

**Oracle® Communications Unified
Communications Suite**

Installation and Configuration Guide

Release 7.0.6

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ORACLE®

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Chapter 1. Calendar Server 7.0.4.15.0 dbdocstore and Remote Document Store Initial Configuration

Oracle Communications Calendar Server 7.0.4.15.0 dbdocstore and Remote Document Store Initial Configuration



This page contains information for Calendar Server 7.0.4.15.0 and will not be updated in the future. For documentation beginning with Calendar Server 7.0.5.17.0, see the Oracle Technology Network site at:

<http://www.oracle.com/technetwork/documentation/oracle-communications-185806.html>

This information describes the initial configuration prompts in the `init-config` script when you choose either the `dbdocstore` option or the remote document store option.

1. If you choose **remote** for back-end document store, the `init-config` script presents the following options:

```
Calendar Back End Document Store Settings
Starting section: calendar.backend
  Back end document store type, either local, dbdocstore or
  remote
  (calendar.backend.docstore.type) [local]: remote
  Calendar backend name (calendar.backend.name) [defaultbackend]:
  Calendar backend remote store host
  (calendar.backend.docstore.host) []: host.example.com
  Calendar backend remote store port
  (calendar.backend.docstore.port) [8008]:
```

If you have not yet configured the remote document store, the `init-config` script displays an error such as the following. Type **y** to continue.

```
Could not connect to the calendar remote document store at <host
name>.
Do you want to proceed with this choice? (Y/N) y
This section has passed verification
```

2. If you are using OracleDB and choose **dbdocstore** for back-end document store, the `init-config` script presents the following options:

```
Calendar Back End Document Store Settings
Starting section: calendar.backend
    Back end document store type, either local, dbdocstore or
remote
    (calendar.backend.docstore.type) [local]: dbdocstore
    Calendar backend name (calendar.backend.name) [defaultbackend]:
Verifying section: calendar.backend
This section has passed verification
```

Chapter 2. Calendar Server 7.0.4.15.0 init-config Syntax

Oracle Communications Calendar Server 7.0.4.15.0 init-config Syntax



This page contains information for Calendar Server 7.0.4.15.0 and will not be updated in the future. For documentation beginning with Calendar Server 7.0.5.17.0, see the Oracle Technology Network site at:

<http://www.oracle.com/technetwork/documentation/oracle-communications-185806.html>

The `init-config` script enables you to perform an initial configuration of your Oracle Communications Calendar Server deployment.

The following table provides the `init-config` options.

init-config Options

Option	Description
-d	Writes an LDIF file instead of making changes to the Directory Server data.
-f <i>statefile</i>	Uses the <i>statefile</i> for setting input values. Use <code>DavserverCfgDefaults.properties</code> as an example.
-i <i>hostname</i>	Uses <i>hostname</i> as the FQDN of current host.
-l	Uses <code>/bin/hostname</code> for name of host, <code>/bin/hostname</code> must return an FQDN.
-s	Performs a silent install, requires -f option.
-S <i>statefile</i>	Saves state of configurator input to a named state file.

Chapter 3. Calendar Server 7.0.4.15.0 Initial Configuration

[< Back to Installation Scenario - Calendar Server](#)

Oracle Communications Calendar Server 7.0.4.15.0 Initial Configuration



This page contains information for Calendar Server 7.0.4.15.0 and will not be updated in the future. For documentation beginning with Calendar Server 7.0.5.17.0, see the Oracle Technology Network site at:

<http://www.oracle.com/technetwork/documentation/oracle-communications-185806.html>

After you [install the Calendar Server software by using the Communications Suite installer](#), and install the Calendar Server back-end database, you must configure Calendar Server to complete the installation. You perform this initial runtime configuration by running the Calendar Server configuration script, `init-config`. If desired, you can perform a silent (that is, non-interactive) Calendar Server initial configuration. For more details, see [Performing a Silent Calendar Server 7.0.4.15.0 Initial Configuration](#).

Topics:

- [Calendar Server Initial Configuration Prerequisites](#)
- [Setting Up the Calendar Server Initial Configuration](#)

Calendar Server Initial Configuration Prerequisites

1. You can choose a non-root user as the GlassFish Server runtime user. If you choose a non-root user, you must perform one of the following steps on the Calendar Server front-end hosts so that Calendar Server locates the proper JDK.
 - Create a symlink for `/usr/jdk/latest` set to the desired installed JDK in the `/usr/jdk` directory. For example:

```
ln -s /usr/jdk/jdk1.7.0_25 /usr/jdk/latest
```

- Define the `JAVA_HOME` variable in the GlassFish Server user's login profile. You cannot just define the variable in the current shell that you are using to run the `init-config` script. If the GlassFish Server user is referencing a JDK in a different location, set that location in the user's `.profile` by adding the following line. If desired, you can add the line to the system-wide profile, `/etc/profile`, instead.

```
export JAVA_HOME=<JDK location>
```

2. On Calendar Server front-end hosts that are running Linux, ensure you have installed the `openldap-clients-xxx` rpm, which installs LDAP tools such as `/usr/bin/ldapsearch` and `/usr/bin/ldapmodify`.
3. On the Directory Server host, if you haven't done so already, run the `comm_dssetup.pl` script, which is installed by the Communications Suite installer, to prepare the LDAP. For more information, see [Communications Suite Directory Server Setup Script \(comm_dssetup.pl\)](#).

**Note**

You can use either LDAP Schema 2 or Schema 1. For information on how Calendar Server uses Directory Server, see [Calendar Server and Directory Server Integration](#).

Setting Up the Calendar Server Initial Configuration

1. Configure Calendar Server by running the `init-config` script and responding to the prompts. Running the `init-config` script completes the Calendar Server software installation.
 - a. Log in as or become superuser (root).

**Note**

Log in as "su -" when running `init-config` if you installed GlassFish Server with secure mode.

- b. Change to the `cal-svr-base/sbin` directory.
The default installation directory is `/opt/sun/comms/davserver`.
 - c. Run the initial configuration program.
See [Calendar Server 7.0.4.15.0 init-config Syntax](#) for more information.

```
./init-config
```

- d. Respond to the prompts that appear on each screen.

**Note**

For the text of the information contained in the various questions presented by the script, refer to the [Configuration Worksheets - Calendar Server 7.0.4.15.0](#). In the following prompts, `host.example.com` is used as an example of the current host name.

- i. Calendar Server Settings
 - Select the Directory to Store Configuration and Data Files (default: `/var/opt/sun/comms/davserver`)
 - Type the Calendar Server runtime user (default: `root`)
 - Type the Calendar Server runtime group (default: `bin`)
 - Type the fully qualified host name of this system. (default: `host.example.com`)
 - ii. Back-End Database Settings
Choose MySQL database or Oracle database (the default is `mysql`), then type the following information, depending on whether you chose MySQL database or Oracle

database:

- MySQL Server Details
 - Server Host (default: fully qualified host name)
 - Server Port (default: 3306)
 - Calendar Database User (default: caldav)
 - Calendar Database User Password (Password provided while creating the caldav user in the MySQL configuration section)
 - Calendar DB Name (default: caldav)
 - iSchedule DB Name (default: ischedule)



Note

The iSchedule protocol (currently in draft) defines how to handle scheduling between two different calendar servers. In general, the architecture accounts for a global calendar inbox/outbox for invitations. However, because iSchedule is still in draft form and not a standard, general adoption of the protocol has not yet taken place. Calendar Server currently handles invitations through the iMIP protocol (that is, by email). You need to configure the iSchedule database even though it is not currently used. If you remove the iSchedule database configuration, Calendar Server does not function correctly without it.

Error messages similar to the following appear if you do not have the correct value entered for the MySQL Server:

```
Trying to load com.mysql.jdbc.Driver ...
Opening MySQL connection
jdbc:mysql://host.example.com:3306/caldav?user=caldav
...
Failed to authenticate user caldav
SQLException: Access denied for user
'caldav'@'host.example.com' (using password: YES)
SQLState: 28000
VendorError: 1045
```

In this case, you are prompted again from the beginning of this section. When validation passes, continue with [Back-End Document Store Settings](#).

- Oracle Database Server Details
 - Server Host (default: fully qualified host name)
 - Server Port (default: 1521)
 - Service Name (default: orcl.domain)
 - Calendar DB User (default: caldav)
 - Password (This is the password provided while creating the caldav user in the configuration section)
 - iSchedule DB User (default: ischedule)
 - Password

Error messages similar to the following appear if you do not have the correct value entered for the Oracle Database:

```

Trying to load oracle.jdbc.driver.OracleDriver ...
Opening Oracle Database Server connection
jdbc:oracle:thin:@//host.example.com:1521/orcl.example.com
...
Failed to authenticate user caldav
SQLException: ORA-01017: invalid
username/password; logon denied

SQLState: 72000
VendorError: 1017

```

In this case, you are again prompted again from the beginning of this section. When validation passes, continue with [Back-End Document Store Settings](#).

iii. Back-End Document Store Settings

Type the following information:

- Back-end document store type, either **local**, **dbdocstore**, or **remote** (default: **local**). For more information, see [Planning the Document Store](#).
- Back-end name (default: defaultbackend)
- Back-end store path (default: /var/opt/sun/comms/davserver/db)
For information on choosing dbdocstore or remote, see [Calendar Server 7.0.4.15.0 dbdocstore and Remote Document Store Initial Configuration](#).

iv. iSchedule Back-End Document Store Settings

Type the following information:

- Back-end document store type, either **local**, **dbdocstore**, or **remote** (default: **local**). For more information, see [Planning the Document Store](#).
- iSchedule back-end name (default: ischedulebackend)
- Back-end store path (default: /var/opt/sun/comms/davserver/db/ischedulebackend)
For more information on choosing dbdocstore or remote, see [Calendar Server 7.0.4.15.0 iSchedule Database Initial Configuration](#).

v. Application Server Configuration Details

Type the following information:

- Install Directory (default: /opt/glassfish3/glassfish)
- Domain Directory (default: /opt/glassfish3/glassfish/domains/domain1)
- Document Root Directory (default: /opt/glassfish3/glassfish/domains/domain1/docroot)
- Server Target Name (default: server)
- Virtual Server Identifier (default: server)
- Calendar Server access host (default: host.example.com)
- Calendar Server access port (default: 8080)
- Application Server admin server host (default: host.example.com)
- Secure Administration Server Instance (yes selected by default)
- Administration Server Port (default: 4848)
- Administrator User ID (default: admin)
- Administrator Password
- URI Path (default: /)

Use / (root) as the default context URI for deployment. Using root enables users to configure their clients by typing a host name. If root is not used, users must type a long cumbersome URL, leading to misconfigurations. Using root as the URI path replaces the GlassFish Server's main `index.html`, thus, the GlassFish welcome page is no longer displayed at `http://host:port`. Also, you cannot deploy Calendar Server and Contacts Server in the same domain, even if you use different contexts, for example, `/davserver` and `/nabserver`. You must deploy Contacts Server and Calendar Server in different domains.

**Note**

For information about using a .well-known URI, such that access to / (root) or /.well-known/calDav/ is redirected to the /dav/principals/ URI, see [Setting up CalDAV and CardDAV Autodiscovery](#).

vi. User/Group Directory Server Details

Type the following information:

- LDAP URL (default: `ldaps://host.example.com:636`)
The default is `ldaps://`. If you use an LDAPS URL, you are required to put the certificate database that contains the Directory Server certificate in the `davbase/lib` directory for LDAP tools to function correctly on Solaris OS, or on Linux, to do an `openldap` setup. You can choose `ldap://` instead, which then does not require additional setup of the certificate database.
- Bind DN (default: `cn=Directory Manager`)
- Bind Password

The following message appears if you do not have the correct password:

```
ldap_bind: Invalid credentials (49)
Error validating password for cn=Directory Manager
```

In this case, you are prompted again to type the password.

- LDAP unique ID attribute
Type the LDAP attribute whose value serves as the unique identifier for each calendar account in the calendar database. The default is `davUniqueId`.

**Caution**

This attribute defines the unique value used as the database identifier for each account. This value is used internally to identify a user in other user's access control entries, subscription entries, and so on. The attribute chosen as the unique ID attribute must be present in all user, group, and resource LDAP entries for the deployment. Do not use the value of `nsUniqueId` in a production deployment. See [Changing User uuid](#) for more information on choosing a production-ready value.

- User/Group default domain (The default value results from when you ran `comms_dssetup.pl` against the Directory Server.)
Type the Domain Name for the LDAP users in the deployment.
- Default organization DN (The default value results from when you ran `comms_dssetup.pl` against the Directory Server.)
Type the organization DN under which all users and groups that belong to the default domain are located in the LDAP tree.
- Calendar administrator user (default: `calmaster`)
- Calendar administrator user password
The following message appears if you do not have the minimum required version of `comm_dssetup` installed. You must use at least `comm_dssetup 6.4-25.01`.

```
The following errors have been detected in section: ldap
Current DSSETUP version 6.4-24.01 does not meet the
minimum required version of 6.4-25.01.
Please install a more recent version of DSSETUP that
meets the minimum required.
```

If other messages appear when validation failed, you are prompted from the beginning of this section again.

vii. Notification Mail Server Configuration Details

Type the following information:

- Mail Server Host Name (default: host.example.com)
- Mail Server Port Number (default: 25)

 Notes

- To enable SSL communication between Calendar Server and Directory Server, you can do so as a post-configuration step. See [Calendar Server 7.0.4.15.0 Post Configuration](#) for more information.
- Currently, the default setting for the timezone (davcore.serverdefaults.tzid) is configured based on the tzid of the host where Calendar Server is deployed.

2. Proceed to configure Calendar Server.

Up to now the prompts have been gathering data needed for the configuration and performing some validity checking. At this point, you are prompted one last question "Do you want to proceed with configuring Oracle Communications Calendar Server? (Y/N)". Answer Y to proceed. The following messages appear:

```
Oracle Communications Calendar Server is currently being configured ...
Performing substitution on file
/opt/sun/comms/davserver/lib/config-templates/cfgtypes.txt...
Performing substitution on file
/opt/sun/comms/davserver/lib/config-templates/config.ins...
Clear out the web app staging area ...
Prepare web app in the staging area ...
Distributing runtime files ...
Creating the encryption key file ...
Loading LDIF file(s) to directory server ...
Deploying web app and resources to application server ....
Oracle Communications Calendar Server is configured successfully.
-- LOGFILE:
/opt/sun/comms/davserver/install/davserver-config_20130923121936.log
```

3. Restart GlassFish Server, for example:

```
# /opt/glassfish3/glassfish/bin/asadmin stop-domain domain1
Waiting for the domain to stop .....
Command stop-domain executed successfully.
# /opt/glassfish3/glassfish/bin/asadmin start-domain domain1
Waiting for domain1 to start .....
Successfully started the domain : domain1
domain Location: /opt/glassfish3/glassfish/domains/domain1
Log File: /opt/glassfish3/glassfish/domains/domain1/logs/server.log
Admin Port: 4848
Command start-domain executed successfully.
```

4. Return to the [Installation Scenario - Calendar Server](#) to verify the installation.

Chapter 4. Calendar Server 7.0.4.15.0 iSchedule Database Initial Configuration

Oracle Communications Calendar Server 7.0.4.15.0 iSchedule Database Initial Configuration



This page contains information for Calendar Server 7.0.4.15.0 and will not be updated in the future. For documentation beginning with Calendar Server 7.0.5.17.0, see the Oracle Technology Network site at:

<http://www.oracle.com/technetwork/documentation/oracle-communications-185806.html>

This information describes the initial configuration prompts when you configure the iSchedule database.

1. If you choose **remote** for iSchedule back-end document store, the `init-config` script presents the following options:

```
Starting section: ischedule.backend
Back end document store type, either local, dbdocstore or
remote
(ischedule.backend.docstore.type) [local]: remote
ischedule backend name (ischedule.backend.name)
[ischedulebackend]:
ischedule backend remote store host
(ischedule.backend.docstore.host) []: host1.example.com
ischedule backend remote store port
(ischedule.backend.docstore.port) [8008]:
```

If you have not yet configured the iSchedule remote document store, the `init-config` script displays an error such as the following. Type **y** to continue.

```
Could not connect to the ischedule remote document store at <host
name>.
Do you want to proceed with this choice? (Y/N) y
This section has passed verification
```

2. If you are using OracleDB and choose **dbdocstore** for the iSchedule back-end document store, the `init-config` script presents the following options:

```
iSchedule Back End Document Store Settings
Starting section: ischedule.backend
    Back end document store type, either local, dbdocstore or
remote
    (ischedule.backend.docstore.type) [local]: dbdocstore
    iSchedule backend name (ischedule.backend.name)
[ischedulebackend]:
Verifying section: ischedule.backend
This section has passed verification
```


Chapter 5. Calendar Server 7.0.4.15.0 populate-davuniqueid Usage

Oracle Communications Calendar Server 7.0.4.15.0 populate-davuniqueid Usage



This page contains information for Calendar Server 7.0.4.15.0 and will not be updated in the future. For documentation beginning with Calendar Server 7.0.5.17.0, see the Oracle Technology Network site at:

<http://www.oracle.com/technetwork/documentation/oracle-communications-185806.html>

The `populate-davuniqueid` command is available starting in **Calendar Server 7 Update 3**.

Topics:

- [populate-davunique Overview](#)
- [Syntax](#)
- [Options](#)
- [Examples](#)

populate-davunique Overview

Use the `populate-davuniqueid` tool if you initially selected the `nsUniqueId` attribute as the unique identifier for your Calendar Server deployment. The `populate-davuniqueid` tool populates calendar users and resources in LDAP with the `davUniqueId` schema element, introduced in Calendar Server 7 Update 3. It copies the value of `nsUniqueId` to `davUniqueId`, thus preserving references in the calendar database. The `davUniqueId` attribute is subsequently used as the value for the Calendar Server `davcore.uriinfo.permanentuniqueid` configuration parameter. Calendar Server requires a unique identifier in the form of an LDAP attribute whose value is used to map each calendar entry (in the LDAP Directory Server) to a unique account in the calendar database (the MySQL Server or Oracle Database that stores Calendar Server data). The unique identifier links various entries from different database tables for a user and resource. You must use a unique identifier, and one that does not change, for user and resource entries stored in LDAP.

**Note**

The problem with using the `nsUniqueId` attribute for this purpose is that if the user or resource LDAP entry is deleted and re-created in LDAP, the new entry has a different `nsUniqueId` value. For more information on the problems with using `nsUniqueId`, see [Changing User uuid](#).

Requirements: Must be root user.

Location: `cal-svr-base/sbin`

Syntax

```
populate-davuniqueid [ -h HOST ] [ -p PORT ] [ -D USER ] [ -w PASS | - j  
PASSFILE ] [ -b BASE ] [ -f FILTER ] [ -o OUTFILE ] [-O] [ -x ] [ -v ] [ -? ]
```

Options

The options for this command are:

populate-davuniqueid Options

Option	Description	Default
-h <i>HOST</i>	Specifies the Directory Server host	NA
-p <i>PORT</i>	Specifies the Directory Server port	389
-D <i>USER</i>	Specifies the Directory Server bind user	NA
[-w <i>PASS</i> -j <i>PASSFILE</i>] (The -j option is preferred, as the password is not specified on the command line.)	Specifies either the Directory Server bind password or a password file storing the directory user password	NA
-b <i>BASE</i>	Specifies the Directory base to carry out the search	NA
-f <i>FILTER</i>	Specifies the LDAP search filter	"((objectclass=icscalendaruser)(objectclass=icscalendarresource)(objectclass=groupofuniquenames)(objectclass=groupofurls)(objectclass=inetmailgroup))"
-o <i>OUTFILE</i>	Specifies the output file name	NA
-O	Specifies to add the davEntity object class to the LDAP entry	NA
-x	Automatically runs the ldapmodify command on the output file	NA
-v	Specifies verbose debugging	NA
-?	Prints the usage help text	NA

The `populate-davuniqueid` tool prompts you to type all options with the exception of *PORT* and *FILTER*, if you do not specify them. If not specified, *PORT* has a default value of 389 and *FILTER* has the value

"(|(objectclass=icscalendaruser)(objectclass=icscalendarresource)(objectclass=groupofuniquenames)(objectclass=groupofurls)(objectclass=inetmailgroup))". All LDAP entries matching *FILTER*, starting from the search *BASE*, that have a missing `davUniqueId` field are output to the *OUTFILE* file in the form of an LDAP modification operation. You can then examine the *OUTFILE* content before running it through an `ldapmodify` command. Alternately, you can do so automatically by using the `-x` option.

Examples

These examples show different scenarios for running the `populate-davuniqueid` command.

To Add `davUniqueId` to All Calendar Server 7 Users

1. Run the `populate-davuniqueid` command and output the changes to a file, `sample.txt`.

```
# /opt/sun/comms/davserver/sbin/populate-davuniqueid -h
host1.us.example.com -D "cn=Directory Manager" -b o=isp -o sample.txt
Directory user bind password:

Please check the following information
Directory host: host1.us.example.com
Directory port: 389
Directory user bind DN: cn=Directory Manager
Directory user bind password: as specified
Directory search base: o=isp
Directory search filter:
(|(objectclass=icscalendaruser)(objectclass=icscalendarresource))
Output to: sample.txt
Add daventity objectclass: no
Load output LDIF automatically: no
Do you want to continue (y/n)? y
sample.txt is created. Please examine content and run ldapmodify on it.
bash-3.00#
```

2. Examine the `sample.txt` file. It should resemble the following:

```
dn: uid=calmaster63, ou=People, o=us.example.com,o=isp
changetype: modify
add: davuniqueid
davuniqueid: e5cb6c08-dd5811e1-80f5ce3b-d63ea23a
```

3. As long as there is no error, run the `ldapmodify` command to add `davUniqueId` to all Calendar Server 7 users, or run the following command:

```
/opt/sun/comms/davserver/sbin/populate-davuniqueid -h
host1.us.example.com -D "cn=Directory Manager" -b o=isp -o sample.txt
-x
Directory user bind password:
```

To Add the `daventity` Object Class and `davuniqueid` to All Calendar Server 6 Users

1. Run the `populate-davuniqueid` command and output the changes to a file, `test.txt`.

```

/opt/sun/comms/davserver/sbin/populate-davuniqueid -h
host2.us.example.com -D "cn=Directory Manager" -b o=isp -o test.txt -O
Directory user bind password:

Please check the following information
Directory host: host2.us.example.com
Directory port: 389
Directory user bind DN: cn=Directory Manager
Directory user bind password: as specified
Directory search base: o=isp
Directory search filter:
(|(objectclass=icscalendaruser)(objectclass=icscalendarresource))
Output to: test.txt
Add daventity objectclass: yes
Load output LDIF automatically: no

Do you want to continue (y/n)? y
test.txt is created. Please examine content and run ldapmodify on it.
bash-3.00#

```

2. Examine the test.txt file. It should resemble the following:

```

dn: uid=user3,ou=People,o=domain3.com,o=isp
changetype: modify
add: objectclass
objectclass: daventity
-
add: davuniqueid
davuniqueid: ff22a401-e52011e1-80f5ce3b-d63ea23a

```

3. As long as there is no error, run the ldapmodify command to add davEntity and davUniqueId to all Calendar Server 6 users, or run the following command:

```

/opt/sun/comms/davserver/sbin/populate-davuniqueid -h
host2.us.example.com -D "cn=Directory Manager" -b o=isp -o test.txt -O
-X
Directory user bind password:

```

Chapter 6. Calendar Server 7.0.4.15.0 Post Configuration

Oracle Communications Calendar Server 7.0.4.15.0 Post Configuration



This page contains information for Calendar Server 7.0.4.15.0 and will not be updated in the future. For documentation beginning with Calendar Server 7.0.5.17.0, see the Oracle Technology Network site at:

<http://www.oracle.com/technetwork/documentation/oracle-communications-185806.html>

This information contains procedures that you might need to run after installing and configuring Oracle Communications Calendar Server.

Topics:

- [Configuring Calendar Server for a Secure Deployment](#)
- [Changing User uuid](#)
- [Adding LDAP Access Control for Calendar Server Features](#)
- [Using the iSchedule Channel to Handle iMIP Messages](#)

Configuring Calendar Server for a Secure Deployment

The high-level steps to configuring Calendar Server for a secure deployment include:

1. Making sure that HTTPS is configured correctly on the front-end GlassFish Server host:
 - a. Making use of a CA signed certificate
 - b. Setting SSL port to default port of 443 to ease client configurations
 - c. Changing `fulluri` prefix configuration option
2. Disabling HTTP on front-end GlassFish Server host
3. Configuring JMX Port for GlassFish Server 3 to Use SSL
4. Enabling LDAP SSL, if not previously done
5. Enabling secure notification mail submission
6. Configuring SSL on back ends
 - a. Setting up secure communication to the Calendar Server database, either MySQL Server or OracleDB
 - b. Setting up secure communications to the remote document store
7. Changing uuid if still using `nsUniqueId`
8. Adding LDAP access control for Calendar Server
9. Securing iSchedule Port

Topics in this section:

- [Configuring HTTPS on Front-end GlassFish Server 3 Host](#)
- [Disabling HTTP on Front-end GlassFish Server Host](#)
- [Configuring JMX Port for GlassFish Server 3 to Use SSL](#)
- [Enabling LDAP SSL in Calendar Server](#)
- [Enabling Secure Notification Mail Submission](#)
- [Configuring SSL on Back Ends](#)
- [Securing iSchedule Port](#)

Configuring HTTPS on Front-end GlassFish Server 3 Host

This section contains the following subtopics:

- [Installing an Official Certificate](#)
- [Setting SSL Default Port to 443](#)
- [Changing fulluri prefix](#)

Installing an Official Certificate

The default installation comes with a self-signed certificate, which is incompatible with production usage. To install an official certificate, see [To Configure GlassFish Enterprise Server to Use a CA Signed Certificate for SSL](#).

Setting SSL Default Port to 443

By default, most clients assume that the server is running on the default SSL port number (443). Thus, you must set the server port number accordingly, if you did not do so during installation.

To set the default SSL port to 443:

1. List all the http listeners and note the SSL listener (`security-enabled=true`).
For example:

```
# ./asadmin list-http-listeners
http-listener-1
http-listener-2
admin-listener
Command list-http-listeners executed successfully.

# ./asadmin get
server.network-config.protocols.protocol.http-listener-1.security-enabled
get executed successfully.

# ./asadmin get
server.network-config.protocols.protocol.http-listener-2.security-enabled
get executed successfully.

# ./asadmin get
server.network-config.protocols.protocol.admin-listener.security-enabled
get executed successfully.

# ./asadmin get
server.network-config.network-listeners.network-listener.http-listener-2
get executed successfully.

# ./asadmin set
server.network-config.network-listeners.network-listener.http-listener-2
set executed successfully.
```

2. Set the port number to the correct value.
For example:

```
# ./asadmin set
server.network-config.network-listeners.network-listener.http-listener-2
set executed successfully.
```

This change does not require a server restart.

Changing fulluriprefix

The default installation of GlassFish Server enables both HTTP and HTTPS (using a self-signed certificate) on the server instance. During the Calendar Server configuration, you can only choose to specify the HTTP port, which sets the `davcore.uriinfo.fulluriprefix` parameter to `http://host:HTTP-port`. This results in all URLs constructed by Calendar Server, for example those pointing to attachments, to have the `http://` URL. If you are using SSL, the host name part of this prefix should match the host name associated with the certificate.

To change the `fulluriprefix` parameter:

- Run the `davadmin config` command to set the `davcore.uriinfo.fulluriprefix` parameter to the desired HTTPS port.
For example:


```
/opt/sun/comms/davserver/sbin/davadmin config -u admin -o
davcore.uriinfo.fulluriprefix -v https://www.example.com:8181
```

Disabling HTTP on Front-end GlassFish Server Host

Disable non-SSL HTTP access to prevent any unsecured communications with Calendar Server.

1. List all the http listeners and note the ones that do not have security enabled.
For example:

```
# ./asadmin get
configs.config.server-config.network-config.network-listeners.network-lis
get executed successfully.
```

2. Disable those http listeners.
For example:

```
# ./asadmin set
configs.config.server-config.network-config.network-listeners.network-lis
set executed successfully.
```

This change does not require a server restart.

Configuring JMX Port for GlassFish Server 3 to Use SSL

GlassFish Server 3 does not enable the JMX port with SSL by default. To make JMX communications secure, you must enable GlassFish Server security, either through the GlassFish Server Administration Console, or through the `asadmin` command. For more information, see [Creating Secure Communications Between davadmin and Calendar Server](#).

Enabling LDAP SSL in Calendar Server

This section applies if you did not specify an LDAPS URL during the Calendar Server initial configuration, that is, when running the `init-config` script. If you did specify an LDAPS URL during the initial configuration, the changes described in this section were already performed by the `init-config` script.

To configure Calendar Server for SSL communication with Directory Server, you use the `davadmin config` command to specify the necessary ldap parameters, then stop and start the GlassFish Server.

Prerequisite: You must have already enabled the back-end Directory Server for SSL, either with a CA-signed certificate or self-signed certificate.

To configure Calendar Server to communicate with Directory Server over SSL:

1. Create a text file, for example, `usessl.txt`, with the following content:

```
base.ldapinfo.authldap.ldapport=636
base.ldapinfo.authldap.ldapusessl=true
base.ldapinfo.ugldap.ldapport=636
base.ldapinfo.ugldap.ldapusessl=true
```

Change the `ldapport` values to the LDAP SSL port value in your deployment.

2. Run the `davadmin config` command to make the configuration change.
For example:

```
/opt/sun/comms/davserver/sbin/davadmin config -u admin -f usessl.txt
```

Warning messages appear to restart the server, that is, to restart GlassFish Server.

3. Restart GlassFish Server, for example:

```
asadmin> stop-domain domain1
asadmin> start-domain domain1
```

Enabling Secure Notification Mail Submission

The Calendar Server notification mechanism relies on Messaging Server to deliver iMIP messages, and email notifications and reminders. By default, message submission is unsecured ("in the clear"). You can secure this communication by using TLS/SSL transport.

To enable secure notification mail submission for Calendar Server:

1. Install either a CA-signed SSL certificate or self-signed certificate for Messaging Server.
2. To use a self-signed certificate:
 - a. Import the certificate into the Java trustStore file by using the Java `keytool` command.
 - b. Define the `javax.net.ssl.trustStore` and `javax.net.ssl.trustStorePassword` variables to the GlassFish Server JVM.
3. To use TLS, set the `notification.dav.smtpstarttls` configuration parameter to `true`.

```
davadmin config modify -o notification.dav.smtpstarttls -v true
```

4. To use SSL, set the `notification.dav.smtpusessl` configuration parameter to `true` and the `notification.dav.smtpport` configuration parameter to the SMTP SSL port, typically 465.

```
davadmin config modify -o notification.dav.smtpusessl -v true
davadmin config modify -o notification.dav.smtpport -v 465
```

5. To further enhance security, employ SMTP authentication by setting the `notification.dav.smtpauth` configuration parameter to `true` and specifying the user and password of a valid mail user in your deployment by using the `notification.dav.smtpuser` and `notification.dav.smtppassword` configuration parameters, respectively.

```
davadmin config modify -o notification.dav.smtpauth -v true
davadmin config modify -o notification.dav.smtpuser -v <smtp user>
davadmin config modify -o notification.dav.smtppassword -v <password>
```

Configuring SSL on Back Ends

Starting with **Calendar Server 7.0.4.14.0**, you can configure Secure Sockets Layer (SSL) communication between the Calendar Server front ends and back ends, including the remote document store. This feature is available whether you use MySQL or OracleDB as the back-end database. For more information, see [Securing Communications to Calendar Server Back Ends](#).

Securing iSchedule Port

Starting with **Calendar Server 7.0.4.14.0**, you can specify the hosts that are allowed to send iSchedule POST requests. You can also limit the hosts to just the SMTP server that uses iSchedule for automatic iMIP handling. Additionally, you can change the maximum content length of requests POSTed to the iSchedule port. For more information, see [Securing iSchedule Port](#).

Changing User uuid

Calendar Server requires a unique identifier in the form of an LDAP attribute whose value is used to map each calendar account to a unique account in the database. The current default and recommended attribute (as of Calendar Server 7 Update 3), `davUniqueId`, prevents a potential serious issue with the previous default attribute (prior to Calendar Server 7 Update 3), `nsUniqueId`. The problem with using `nsUniqueId` is that if the LDAP entry for a user, group, or resource is deleted and recreated in LDAP, the new entry would receive a different `nsUniqueId` value from the Directory Server, causing a disconnect from the existing account in the calendar database. As a result, recreated users cannot access their existing calendars. For more information on the problem with using `nsUniqueId`, see [Changing User uid \(Communications Suite 7 Update 2\)](#).

To change the unique identifier:

- Run the `davadmin config` command to modify the `davcore.uriinfo.permanentuniqueid` configuration parameter, which specifies the unique valued LDAP attribute present in the LDAP entry of all subjects (users, groups, and resources).
For more information on the `davadmin` command, see [Calendar Server 7 Command-Line Utilities](#).



Caution

Changing this option after any user data is created in the database leads to data loss.

Calendar Server performs searches on the index you chose to use for `davcore.uriinfo.permanentuniqueid`. If you did not choose to use the default value of `davUniqueId` for `davcore.uriinfo.permanentuniqueid`, you must index the chosen attribute for presence and equality (`[pres.eq]`) in Directory Server. The installation process automatically creates the Directory Server index for `davUniqueId`.

For more information on working with Directory Server indexes, refer to the Directory Server documentation. For example, for Directory Server 7, see [Directory Server Indexing](#). Add the attribute to

the list of LDAP attributes fetched by Calendar Server by using the `davadmin config modify` command on the `davcore.uriinfo.subjectattributes` configuration parameter. Make sure to add on to the existing list and pass the entire value when doing the modification.

For information on how Calendar Server uses Directory Server, see [Calendar Server and Directory Server Integration](#).

Adding LDAP Access Control for Calendar Server Features

This section provides sample ACIs that show the attributes that Calendar Server needs for granting permission to users to search the LDAP directory for other users and resources whose calendars they can subscribe to. Tailor these samples to your individual site's security needs. Add an ACI to the user/group suffix in Directory Server by using the `ldapmodify` tool. For more information on creating ACIs, see [Creating, Viewing, and Modifying ACIs](#).

- The following sample ACI enables users to search for all other users and resources in the same domain for all domains hosted in the Directory Server, assuming a suffix of `o=isp`.

```
dn: o=isp
changetype: modify
add: aci
aci: (target="ldap:///($dn),o=isp")
    (targetattr!="userPassword")
    (targetfilter=(|(objectClass=icscalendaruser)(objectclass=icscalendarresource
(version 3.0; acl "CS User search access to all users and resources in own
domain - product=davserver,class=install,num=3,version=1";
    allow (read,search)
    userdn="ldap:///[$dn],o=isp??sub?(objectclass=icscalendaruser)");)
```

- To control domain access at a finer level, add individual ACIs instead of using the `$dn` macro. For example, to allow search for only one domain, set the following ACI on the domain organization entry.

```
dn: <domainA.orgdn>
changetype: modify
add: aci
aci: (targetattr!="userPassword")
    (targetfilter=(|(objectClass=icscalendaruser)(objectclass=icscalendarresource
(version 3.0; acl "CS User search access to all users and resources in domain
A - product=davserver,class=install,num=3,version=1";
    allow (read,search)
    userdn="ldap:///<domainA.orgdn>??sub?(objectclass=icscalendaruser)");)
```

Replace *domainA.orgdn* with your organization DN.

When adding ACIs to enable users to search other domains, that is, cross-domain searches, keep the following in mind:

- For domain A users to be able to search for users in domain B, you would add an ACI on domain B's node to allow the search from users in domain A. For example, to enable users in `example.com` to search users in `varrius.com`, add the following ACI to the domain entry for `varrius.com` domain `o=varrius.com`, `o=isp` by using the `ldapmodify` command:

```
dn: o=varrius.com,o=isp
changetype: modify
add: aci
aci: (targetattr!="userPassword")
(targetfilter=(|(objectClass=icscalendaruser)(objectclass=icscalendarresource
(version 3.0; acl "example.com users access in varrius.com -
product=davserver,class=install,num=3,version=1";
allow (read,search)
userdn="ldap:///o=example.com,o=isp??sub?(objectclass=icscalendaruser)");)
```

- You might also need to set Domain Access Control Lists (ACLs) to control calendar operations that span multiple domains. Oracle Communications Calendar Server 7 combines domain ACLs with the calendar and scheduling ACLs to grant or deny levels of access to these operations. All operations within a single domain rely strictly on the calendar and scheduling ACLs. For more information, see [Managing Domain Access Controls](#).

Using the iSchedule Channel to Handle iMIP Messages

Messaging Server is capable of posting a calendar event received in an iMIP (iCalendar Message-Based Interoperability Protocol) message to Calendar Server by using the iSchedule protocol. This capability enables "internal" users to automatically process calendar invitations from "external" users. To enable this interoperability between calendaring systems, you configure a Messaging Server "iSchedule" channel to process the iMIP messages. See [Using the iSchedule Channel to Handle iMIP Messages](#) for more information.

Chapter 7. Calendar Server 7.0.4.15.0 Release Notes

Oracle Communications Calendar Server 7.0.4.15.0 Release Notes



This page contains information for Calendar Server 7.0.4.15.0 and will not be updated in the future. For documentation beginning with Calendar Server 7.0.5.17.0, see the Oracle Technology Network site at:

<http://www.oracle.com/technetwork/documentation/oracle-communications-185806.html>

These Release Notes contain important information available at the time of the general release of Oracle Communications Calendar Server 7.0.4.15.0, including:

- [About Calendar Server 7.0.4.15.0](#)
- [New Features in This Release of Calendar Server 7.0.4.15.0](#)
- [Deprecated and Removed Components and Features for Calendar Server](#)
- [Requirements for Calendar Server 7.0.4.15.0](#)
- [Calendar Server 7.0.4.15.0 Installation Notes](#)
- [Calendar Server 7.0.4.15.0 Upgrade Notes](#)
- [Calendar Server 7.0.4.15.0 Compatibility Issues](#)
- [Problems Fixed in Calendar Server 7.0.4.15.0](#)
- [Problems Fixed in Calendar Server 7.0.4.16.0](#)
- [Known Problems in Calendar Server 7.0.4.15.0](#)
- [Redistributable Files for Calendar Server 7.0.4.15.0](#)

About Calendar Server 7.0.4.15.0

See [Introduction to Calendar Server 7](#).

New Features in This Release of Calendar Server 7.0.4.15.0

See the [New Features](#) document.

Deprecated and Removed Components and Features for Calendar Server

Support for the following components and features may have been removed in this or a previous release, or may be eliminated in a future release:

- [GlassFish Server 2.1.1](#)
- [Java 6](#)

GlassFish Server 2.1.1

Starting with Calendar Server 7.0.4.15.0, support for GlassFish Server 2.1.1 is deprecated and may be removed in a future release. Calendar Server 7.0.4.15.0 is supported on GlassFish Server 3 (3.1.2.8).

Java 6

Starting with Calendar Server 7.0.4.15.0, support for Java 6 is deprecated and may be removed in a future release. Calendar Server 7.0.4.15.0 is supported on Java 7.

Requirements for Calendar Server 7.0.4.15.0

- [Requirements for Communications Suite 7.0.6](#)
- [Client Requirements for Calendar Server 7.0.4.15.0](#)

Calendar Server 7.0.4.15.0 Installation Notes

To start the Communications Suite installation process, see the [Communications Suite 7.0.6 Installation Guide](#). Detailed information on installing Calendar Server 7.0.4.15.0 is located at [Installation Scenario - Calendar Server 7.0.4.15.0](#).

Calendar Server 7.0.4.15.0 Upgrade Notes

See [Calendar Server 7.0.4.15.0 Upgrade](#) for information on upgrading to Calendar Server 7.0.4.15.0.

Calendar Server 7.0.4.15.0 Compatibility Issues

The following table describes compatibility issues with Calendar Server.

Calendar Server Compatibility Issues

Functionality	Incompatibility	Comments
Using Connector for Microsoft Outlook to manage Calendar Server 7 calendars	Prior to Calendar Server 7 Update 2 and Connector for Microsoft Outlook 7.3 Update 1 Patch 13	See the Connector for Microsoft Outlook User's Guide for more information.
Using Calendar Server virus scanning	Prior to Calendar Server 7 Update 2 and Messaging Server 7 Update 4 patch 23	See Configuring and Administering Virus Scanning in Calendar Server for more information.

Problems Fixed in Calendar Server 7.0.4.15.0

This section lists problems fixed in Calendar Server 7.0.4.15.0.

Problems Fixed

Service Request (SR) Number	BugDB Number	Description
NA	18510022	Incremental backup-restore fails with "IOException: malformed input"
NA	18450263	commpkg upgrade from 7.0.4.14.0 to 7.0.4.15.0 fails during preupgrade
NA	18311732	init - config fails if calmaster password contains a ";"
3-8482203897	18196114	AccessControlException when starting GlassFish Server domain
NA	18117875	Back-end upgrade does not always lock out other front ends
NA	17784934	Start up and database upgrade need better logging
NA	17597733	Failed to parse - Error at line 1:Unexpected EOF
NA	17549691	Need progress message while performing davadmin account upgrade
3-7823008391	17477338	Unable to export the resource from 'calendar' java.lang.NullPointerException
3-7801397641	17474731	Different RRULE and X-S1CS parameters lead to inconsistencies in Connector for Outlook
3-7663718493	17310889	Floating time events misinterpreted in Convergence and Connector for Outlook
3-7182874311	17003794	Migration due to a timeout should be more descriptive
3-7084894901	16709466	Subcalendar inviting default calendar, notifications not sent to any invitees
NA	16608874	NPE logged when new exception is created or RRULE changed without SEQUENCE incremented
3-7019768101	16605949	Resource share notifications are not localized
3-7007115161, 3-6944759511	16594161	A migrated event with an attachment is viewed as 0 bytes
NA	16405190	Need to remove components property table from browse servlet
NA	15991060	Event with an unknown attendee in the managed domain and attachment results in error
3-6487164981	15959836	Cancelling an already declined instance results in an R entry in scheduling log
NA	15930744	Attach props should be properly deleted when deleting master component
NA	13739170	Fix iSchedule post, same UID defined twice
NA	12310225 (SUNBT7031675)	Implement CalDAV scheduling default on calendar property

Problems Fixed in Calendar Server 7.0.4.16.0

This section lists problems fixed in Calendar Server 7.0.4.16.0, which became available after the initial release of Communications Suite 7.0.6.

Problems Fixed

Service Request (SR) Number	BugDB Number	Description
NA	19663949	Need ability to set a DAV HTTP header and skip mail notification and iMIP.
NA	19572744	Calendar clients are confused by webdavsync returning sub-collections for resource changes.
NA	19507748	Unable to upgrade Calendar Server by using ARU patch.
3-8964896471	18845647	Reject/delete of single event in a series, the attendee does not get invitation again.
NA	18730232	Database restore using incremental backup (davadmin db restore -0) causes "Backend Exception: Not a resource."
3-8926608601	18714928	Calendar 7 supported on 64-bit Linux but requires 32-bit libraries.
NA	18424239	The populate-davuniqueid script prints "line 340: [: too many arguments."
3-8630029193	18329030	Need for a single command to view shared calendar information.
3-8590773391	18296332	Changing the time of a recurring event removes attendee.
NA	17813482	Back-end truncated sync token sometimes produces invalid sync tokens after an expunge.
NA	16940028	The populate-davuniqueid script help command displays partial output.
NA	15869296	Document detailed usage of saveState file with init-config script.

Known Problems in Calendar Server 7.0.4.15.0

These Release Notes contain important information available at the time of the general release of Oracle Communications Calendar Server.

Calendar Server Initial Configuration Fails on Java 6

SR number: NA
Bug number: 18599723

Starting with Calendar Server 7.0.4.15.0, support for Java 6 is deprecated and may be removed in a future release. Calendar Server 7.0.4.15.0 is supported on Java 7.

Redistributable Files for Calendar Server 7.0.4.15.0

This release of Calendar Server does not contain any files that you can redistribute.

Chapter 8. Calendar Server 7.0.4.15.0 Remote Document Store Upgrade

Calendar Server 7.0.4.15.0 Remote Document Store Upgrade



This page contains information for Calendar Server 7.0.4.15.0 and will not be updated in the future. For documentation beginning with Calendar Server 7.0.5.17.0, see the Oracle Technology Network site at:

<http://www.oracle.com/technetwork/documentation/oracle-communications-185806.html>

When upgrading Calendar Server front-end hosts, you must also upgrade the remote document store hosts at the same time. These instructions describe both how to upgrade document stores that are not configured to use SSL, and how to add SSL if you choose. These instructions also assume that you have downloaded and unzipped the Communications Suite 7.0.6 software distribution onto the remote document store hosts.

Topics:

- To Upgrade a Non-SSL Document Store
- To Upgrade a Non-SSL Document Store to SSL

To Upgrade a Non-SSL Document Store

1. Perform the following steps on the remote document store host.
 - a. Stop the document store server.

```
cd <cal-svr-base>/sbin  
./stop-as
```

- b. Upgrade the Calendar Server software by launching the Communications Suite Installer and choosing Calendar Server 7.0.4.15.0.

```
cd <comms-base>  
./commpkg upgrade
```

- c. Configure the document store and set the password.

```

cd <cal-svr-base>/sbin
./configure-as

Do you want to set the document store password (y/n)? [n] y
Enter the document store password: <password>
Reenter the document store password: <password>

Do you want to set the document store SSL passwords (y/n)? n

Please check the values in
/var/opt/sun/comms/davserver/config/ashttpd.properties
are correct before starting the server with start-as
To stop the server, run stop-as

```

- d. Start the document store server.

```

cd <cal-svr-base>/sbin
./start-as

```

2. Perform the following steps on the Calendar Server front-end host after you have upgraded to Calendar Server 7.0.4.15.0.

See [Calendar Server 7.0.4.15.0 Upgrade](#) for more information.

- a. Set the same document store password that you used during the configuration on the document store host.

```

cd <cal-svr-base>/sbin
./davadmin passfile modify
Enter Admin password: <password>
Enter the Password File password: <password>

Do you want to set the app server admin user password (y/n)? [n]

Do you want to set the database password (y/n)? [n]

Do you want to set the migration server user password (y/n)? [n]

Do you want to set the document store password (y/n)? [n] y
Enter the document store password: <Type the same password that
you used when running the configure-as command on the document
store host.>
Reenter the document store password: <password>

Do you want to set the document store SSL passwords (y/n)? [n] n

Set new value for store.document.password.

```

- b. Restart GlassFish Server 3.1.2.

To Upgrade a Non-SSL Document Store to SSL

Starting with **Calendar Server 7.0.4.14.0**, you can configure the Secure Sockets Layer (SSL) protocol

between the Calendar Server front ends and back ends, including the remote document store.

1. Perform the following steps on the remote document store host.

- a. Stop the document store server.

```
cd <cal-svr-base>/sbin
./stop-as
```

- b. Upgrade the Calendar Server software by launching the Communications Suite Installer and choosing Calendar Server 7.0.4.15.0.

```
cd <comms-base>
./commpkg upgrade
```

2. Create a self-signed certificate.

```
keytool -genkeypair -alias <alias> -keyalg RSA -validity 365 -keysize
2048 -keystore <path>/<keystore_name>.jks
```

3. Export the certificate and copy it to the Calendar Server host.

```
keytool -export -alias <alias> -keystore <path>/<keystore_name>.jks
-rfc -file <path>/certificate.cert
```

4. Configure the document store.

```
cd <cal-svr-base>/sbin
./configure-as

Do you want to set the document store password (y/n)? [n] y
Enter the document store password: <password>
Reenter the document store password: <password>

Do you want to set the document store SSL passwords (y/n)? [n] y
Enter the document store SSL keystore password: <Type the same password
that you used when creating the self-signed certificate, that is, the
keystore password>
Reenter the document store SSL keystore password: <password>

Enter the document store SSL certificate password: <Type the same
password that you used when creating the self-signed certificate, that
is, the keystore password>
Reenter the document store SSL certificate password: <password>

Please check the values in
/var/opt/sun/comms/davserver/config/ashttpd.properties
are correct before starting the server with start-as
To stop the server, run stop-as
Document Store server is now configured
```

5. Add the following lines to the `ashttpd.properties` file.

```
store.usessl=true
store.sslkeystorepath=<path>/<keystore_name>.jks
```

6. Start the document store.

```
./start-as
```

7. Perform the following steps on the Calendar Server front-end host after you have upgraded to Calendar Server 7.0.4.15.0.

See [Calendar Server 7.0.4.15.0 Upgrade](#) for more information.

8. Import the certificate (the certificate that you copied from the document store host) into the TrustStore on the GlassFish Server host where you have deployed Calendar Server.

```
# keytool -importcert -alias <alias> -file <path>/certificate.cert
-keystore /opt/glassfish3/glassfish/domains/domain1/config/cacerts.jks
```

9. List the KeyStore to make sure that the alias exists.

```
# keytool -list -keystore
/opt/glassfish3/glassfish/domains/domain1/config/cacerts.jks -alias
<alias>
```

10. Set the same document store password that you set during the document store configuration.

```
./davadmin passfile modify
Enter Admin password: <password>
Enter the Password File password: <password>

Do you want to set the app server admin user password (y/n)? [n]

Do you want to set the database password (y/n)? [n]

Do you want to set the migration server user password (y/n)? [n]

Do you want to set the document store password (y/n)? [n] y
Enter the document store password: <enter the same password which you
gave during configure-as on doc store box>
Reenter the document store password: <password>

Do you want to set the document store SSL passwords (y/n)? [n] n

Set new value for store.document.password. A server restart is required
for this change to take effect.
```

11. Set the `store.document.usessl` configuration parameter to **true**.

```
./davadmin config modify -o store.document.usessl -v true
Enter Admin password: <password>
Set new value for store.document.usessl. A server restart is required
for this change to take effect.
```

12. Restart GlassFish Server 3.1.2.

Chapter 9. Calendar Server 7.0.4.15.0 Upgrade

Oracle Communications Calendar Server 7.0.4.15.0 Upgrade



This page contains information for Calendar Server 7.0.4.15.0 and will not be updated in the future. For documentation beginning with Calendar Server 7.0.5.17.0, see the Oracle Technology Network site at:

<http://www.oracle.com/technetwork/documentation/oracle-communications-185806.html>

This information describes how to upgrade to Calendar Server 7.0.4.15.0 from any prior version of Calendar Server 7. If you are running Calendar Server 6 (also known as Sun Java System Calendar Server 6), you must migrate your data to Calendar Server 7. See [Migrating From Sun Java System Calendar Server 6 to Calendar Server 7](#) for more information.

Note About Upgrading to Calendar Server 7.0.4.15.0

- If your deployment uses document stores, upgrading to 7.0.4.15.0 requires you to also upgrade those document stores at the same time, as described in these instructions.
- When performing an upgrade of Calendar Server 7, you must upgrade all front-end hosts and remote document store hosts (if applicable) to the same version. That is, you cannot have a deployment of mixed Calendar Server versions. Calendar Server upgrades may introduce back-end database schema changes, or the front-end hosts may access the database in a different way. Thus, all hosts must be at the same version.

Topics:

- [Calendar Server Database Upgrade](#)
- [Upgrading From Calendar Server 7.0.4.14.0 Overview](#)
- [Upgrading From Calendar Server 7 Update 3 Overview](#)
- [Upgrading From Calendar Server 7 Update 2 Overview](#)
- [Upgrading From Calendar Server 7 or Calendar Server 7 Update 1 Overview](#)
- [Upgrading to Calendar Server 7.0.4.15.0](#)

Calendar Server Database Upgrade

Each Calendar Server patch or release might require an upgrade to the database schema or structure. For example, a database table might be altered, or data in the database might be changed. This type of upgrade differs from a database version upgrade, such as requiring an upgrade from MySQL Server 5.1 to 5.5. If a Calendar Server database upgrade is required, allow additional time for the overall Calendar

Server upgrade, as the database upgrade can take a while, especially if the database is large. For more information, see [Calendar Server Database Upgrade](#).

Upgrading From Calendar Server 7.0.4.14.0 Overview

Upgrading from Calendar Server 7.0.4.14.0 to Calendar Server 7.0.4.15.0 consists of the following high-level steps:

1. Deciding if you must change the LDAP attribute used as the unique identifier for your Calendar Server deployment.
If, when you initially installed Calendar Server 7, you chose to use `nsUniqueId` as your unique identifier, you should change to `davUniqueId`. For more information, see [How Does Calendar Server Use a Unique Identifier?](#).
2. Backing up all the Calendar Server back-end databases.
The purpose of backing up the database is in case you must restore the Calendar Server 7.0.4.14.0 version and database.
3. Installing Java 7 on all Calendar Server hosts, including front ends and document store hosts. See the Java 7 documentation for installation instructions.
Notes:
 - If you changed the Java 6 `java.policy` file, then you must do the same to the Java 7 file.
 - If you installed Java 6 certificates in the `cacerts` file, you must also install those certificates in Java 7.
4. On Calendar Server 7 front-end hosts, and, if applicable, remote document store hosts, upgrading to Calendar Server 7.0.4.15.0 by running `compkg upgrade` and selecting Calendar Server 7.0.4.15.0.
5. Upgrading the back-end database.
You can choose to upgrade but it is not necessary.
6. Setting the `JAVA_HOME` environment variable to Java 7 in the login profile of the GlassFish runtime user, or create a symbolic link for `/usr/jdk/latest` to the Java 7 location.
7. Stopping GlassFish Server, setting `GF3_base/glassfish/config/asenv.conf` to the Java 7 location, and restarting GlassFish Server.
8. If you are changing to `davUniqueId` from `nsUniqueId`, performing the following:
 - a. Running the `populate-davuniqueid` script.
 - b. Making configuration changes with the `davadmin` command that relate to changing the unique identifier to `davUniqueId`.
9. Running `init-config` to enter the current deployment configuration values.
Be sure to enter `davUniqueId` if you chose that as the new unique LDAP attribute.
10. Running `merge-config` to merge in any previously customized configuration values.
11. Restarting GlassFish Server 3.1.2.
12. Running `configure-as` on all remote document store instances and restarting them.
13. Performing any new post configuration steps as listed in [Calendar Server 7.0.4.15.0 Post Configuration](#).

See [Upgrading to Calendar Server 7.0.4.15.0](#) for actual upgrade steps.

Upgrading From Calendar Server 7 Update 3 Overview

Upgrading from Calendar Server 7 Update 3 to Calendar Server 7.0.4.15.0 consists of the following high-level steps:

1. Deciding if you must change the LDAP attribute used as the unique identifier for your Calendar Server deployment.
If, when you initially installed Calendar Server 7, you chose to use `nsUniqueId` as your unique identifier, you should change to `davUniqueId`. For more information, see [How Does Calendar Server Use a Unique Identifier?](#).
2. Backing up all the Calendar Server back-end databases.
The purpose of backing up the database is in case you must restore the previous Calendar Server

version and database. However, database backups are not compatible across releases because backups include database internals specific to the version.

3. Installing and running the Communications Suite `comm_dssetup 6.4.0.26.0` script from the Communications Suite 7.0.6 distribution against your Directory Server hosts.
4. Installing Java 7 on all Calendar Server hosts, including front ends and document store hosts. See the Java 7 documentation for installation instructions.

Notes:

- If you changed the Java 6 `java.policy` file, then you must do the same to the Java 7 file.
 - If you installed Java 6 certificates in the `cacerts` file, you must also install those certificates in Java 7.
5. On Calendar Server 7 front-end hosts, and, if applicable, remote document store hosts, upgrading to Calendar Server 7.0.4.15.0 by running `commpkg upgrade` and selecting Calendar Server 7.0.4.15.0.
 6. Upgrading the back-end database.
You can choose to upgrade but it is not necessary.
 7. Making database charset change for installations using MySQL as the back-end database.
 8. Restarting the back-end database.
 9. Shutting down GlassFish Server 2.1.1.
 10. Installing GlassFish Server 3.1.2.
Calendar Server 7.0.4.15.0 requires that you use GlassFish Server 3.1.2 as its web container. You do not upgrade your current GlassFish 2.1.1 version. Instead, you install GlassFish Server 3.1.2 on another location using either the existing port used by GlassFish Server 2.1.1 or a new port.
 11. Starting GlassFish Server 3.1.2.
 12. Setting the `JAVA_HOME` environment variable to Java 7 in the login profile of the GlassFish runtime user, or creating a symbolic link for `/usr/jdk/latest` to the Java 7 location.
 13. Stopping GlassFish Server, setting `GF3_base/glassfish/config/asenv.conf` to the Java 7 location, and restarting GlassFish Server.
 14. If you are changing to `davUniqueId` from `nsUniqueId`, performing the following:
 - a. Running the `populate-davuniqueid` script.
 - b. Making configuration changes with the `davadmin` command that relate to changing the unique identifier to `davUniqueId`.
 15. Running `init-config` to enter the current deployment configuration values.
Be sure to enter `davUniqueId` if you chose that as the new unique LDAP attribute.
 16. Running `merge-config` to merge in any previously customized configuration values.
 17. Restarting GlassFish Server 3.1.2.
 18. Running `davadmin account upgrade` to set the next presence triggers for all existing events in the future.
 19. Running `configure-as` on all remote document store instances and restarting them.
 20. Performing any new post configuration steps as listed in [Calendar Server 7.0.4.15.0 Post Configuration](#).

See [Upgrading to Calendar Server 7.0.4.15.0](#) for actual upgrade steps.

Upgrading From Calendar Server 7 Update 2 Overview

Upgrading from Calendar Server 7 Update 2 to Calendar Server 7.0.4.15.0 consists of the following high-level steps:

1. Deciding if you must change the LDAP attribute used as the unique identifier for your Calendar Server deployment.
If, when you initially installed Calendar Server 7, you chose to use `nsUniqueId` as your unique identifier, you should change to `davUniqueId`. For more information, see [How Does Calendar Server Use a Unique Identifier?](#).
2. Backing up all the Calendar Server back-end databases.
The purpose of backing up the database is in case you must restore the previous Calendar Server version and database. However, database backups are not compatible across releases because backups include database internals specific to the version.
3. Installing and running the Communications Suite `comm_dssetup 6.4.0.26.0` script from the

Communications Suite 7.0.6 distribution against your Directory Server hosts.

4. Installing Java 7 on all Calendar Server hosts, including front ends and document store hosts. See the Java 7 documentation for installation instructions.

Notes:

- If you changed the Java 6 `java.policy` file, then you must do the same to the Java 7 file.
 - If you installed Java 6 certificates in the `cacerts` file, you must also install those certificates in Java 7.
5. On Calendar Server 7 front-end hosts, and, if applicable, remote document store hosts, upgrading to Calendar Server 7.0.4.15.0 by running `compkg upgrade` and selecting Calendar Server 7.0.4.15.0.
 6. (Optional) Upgrading the back-end database.
You can choose to upgrade but it is not necessary.
 7. Making database charset change for installations using MySQL as the back-end database.
 8. Restarting the back-end database.
 9. Shutting down GlassFish Server 2.1.1.
 10. Installing GlassFish Server 3.1.2.
Calendar Server 7.0.4.15.0 requires that you use GlassFish Server 3.1.2 as its web container. You do not upgrade your current GlassFish 2.1.1 version. Instead, you install GlassFish Server 3.1.2 on another location using either the existing port used by GlassFish Server 2.1.1 or a new port.
 11. Starting GlassFish Server 3.1.2.
 12. Setting the `JAVA_HOME` environment variable to Java 7 in the login profile of the GlassFish runtime user, or creating a symbolic link for `/usr/jdk/latest` to the Java 7 location.
 13. Stopping GlassFish Server, setting `GF3_base/glassfish/config/asenv.conf` to the Java 7 location, and restarting GlassFish Server.
 14. If you are changing to `davUniqueId` from `nsUniqueId`, performing the following:
 - a. Running the `populate-davuniqueid` script.
 - b. Making configuration changes with the `davadmin` command that relate to changing the unique identifier to `davUniqueId`.
 15. Running `init-config` to enter the current deployment configuration values.
Be sure to enter `davUniqueId` if you chose that as the new unique LDAP attribute.
 16. Running `merge-config` to merge in any previously customized configuration values.
 17. Restarting GlassFish Server 3.1.2.
 18. Running `davadmin account upgrade` to set the next presence triggers for all existing events in the future.
 19. Running `configure-as` on all remote document store instances and restarting them.
Performing any new post configuration steps as listed in [Calendar Server 7.0.4.15.0 Post Configuration](#).

See [Upgrading to Calendar Server 7.0.4.15.0](#) for actual upgrade steps.

Upgrading From Calendar Server 7 or Calendar Server 7 Update 1 Overview

Upgrading from Calendar Server 7 or Calendar Server 7 Update 1 to Calendar Server 7.0.4.15.0 consists of the following high-level steps:

1. Deciding if you must change the LDAP attribute used as the unique identifier for your Calendar Server deployment.
If, when you initially installed Calendar Server 7, you chose to use `nsUniqueId` as your unique identifier, you should change to `davUniqueId`. For more information, see [How Does Calendar Server Use a Unique Identifier?](#).
2. Backing up all the Calendar Server back-end databases.
The purpose of backing up the database is in case you must restore the previous Calendar Server version and database. However, database backups are not compatible across releases because backups include database internals specific to the version.
3. Installing and running the Communications Suite `comm_dssetup 6.4.0.26.0` script from the Communications Suite 7.0.6 distribution against your Directory Server hosts.

4. Installing Java 7 on all Calendar Server hosts, including front ends and document store hosts. See the Java 7 documentation for installation instructions.
Notes:
 - If you changed the Java 6 `java.policy` file, then you must do the same to the Java 7 file.
 - If you installed Java 6 certificates in the `cacerts` file, you must also install those certificates in Java 7.
5. On Calendar Server 7 front-end hosts, and, if applicable, remote document store hosts, upgrading to Calendar Server 7.0.4.15.0 by running `commpkg upgrade` and selecting Calendar Server 7.0.4.15.0.
6. Upgrading the back-end database.
If you are running Calendar Server 7.1 or earlier, you must upgrade MySQL to at least 5.5 (5.5.8 or greater).
7. Making database charset change for installations using MySQL as the back-end database.
8. Restarting the back-end database.
9. Creating the iSchedule database and granting permission to `caldav` user to access the iSchedule database.
10. Shutting down GlassFish Server 2.1.1.
11. Installing GlassFish Server 3.1.2.
Calendar Server 7.0.4.15.0 requires that you use GlassFish Server 3.1.2 as its web container. You do not upgrade your current GlassFish 2.1.1 version. Instead, you install GlassFish Server 3.1.2 on another location using either the existing port used by GlassFish Server 2.1.1 or a new port.
12. Starting GlassFish Server 3.1.2.
13. Setting the `JAVA_HOME` environment variable to Java 7 in the login profile of the GlassFish runtime user, or creating a symbolic link for `/usr/jdk/latest` to the Java 7 location.
14. Stopping GlassFish Server, setting `GF3_base/glassfish/config/asenv.conf` to the Java 7 location, and restarting GlassFish Server.
15. If you are changing to `davUniqueId` from `nsUniqueId`, performing the following:
 - a. Running the `populate-davuniqueid` script.
 - b. Making configuration changes with the `davadmin` command that relate to changing the unique identifier to `davUniqueId`.
16. Running `init-config` to enter the current deployment configuration values.
Be sure to enter `davUniqueId` if you chose that as the new unique LDAP attribute.
17. Running `merge-config` to merge in any previously customized configuration values.
18. Restarting GlassFish Server 3.1.2.
19. Running `davadmin account upgrade` to set the next presence triggers for all existing events in the future.
20. Running `configure-as` on all remote document store instances and restarting them.
21. Performing any new post configuration steps as listed in [Calendar Server 7.0.4.15.0 Post Configuration](#).

See [Upgrading to Calendar Server 7.0.4.15.0](#) for actual upgrade steps.

Upgrading to Calendar Server 7.0.4.15.0

This section describes how to upgrade to Calendar Server 7.0.4.15.0. Depending on your current Calendar Server version, some steps are optional.

Topics:

- [Prerequisites for Upgrading Calendar Server](#)
- [Backing Up the Calendar Server Database](#)
- [Installing Java 7](#)
- [Preparing the Directory Server](#)
- [Running `commpkg upgrade` for Calendar Server 7.0.4.15.0](#)
- [Upgrading the Calendar Server Back-end Database](#)
- [Updating the Calendar Server Back-end Database Charset on MySQL](#)
- [Creating the iSchedule Database](#)
- [Installing GlassFish Server 3.1.2](#)

- [Setting Environment Variables](#)
- [Running the populate-davuniqueid Command](#)
- [Performing the Calendar Server Configuration](#)
- [davadmin account upgrade Operation](#)
- [Performing Post-Configuration Tasks](#)

Prerequisites for Upgrading Calendar Server

1. Download the necessary software.
 - a. Download the Communications Suite 7.0.6 zip file, for the Calendar Server 7.0.4.15.0 software.
See [Get the Software to Install Communications Suite 7.0.6](#).
 - b. If upgrading from Calendar Server 7.1 or prior version: download MySQL Server 5.5.8 or later from My Oracle Support at:
<https://support.oracle.com>
Starting with version 7 Update 2, Calendar Server requires that you upgrade to MySQL Server 5.5.8 or any later 5.5.x version. If you are running a 5.5.x version prior to 5.5.32, you can choose to upgrade but it is not necessary. The MySQL download is available in both PKG and TAR versions. This documentation uses the PKG version to show installation and configuration, so in most cases, choosing the PKG version makes sense.
 - c. Download the GlassFish Server 3.1.2 software.
See [Get the Software to Install Communications Suite 7.0.6](#).
 - d. Download the Java 7 software.
See [Installing Java For Communications Suite 7.0.6](#) for more information.
2. Place the software on the appropriate hosts.
 - a. On Calendar Server 7 front-end hosts, and, if applicable, remote document store hosts, create a temporary directory (for example, /temp/CS7U5), and unzip the Communications Suite 7.0.6 zip file in this directory.
 - b. If you are upgrading MySQL Server, on the Calendar Server 7 back-end hosts, create a temporary directory (for example, /temp/MySQL558), and place the MySQL Server package in this directory.
 - c. On the Calendar Server front-end hosts, create a temporary directory for the GlassFish Server 3.1.2 zip file for example, /temp/GF3.
 - d. On Calendar Server 7 front-end hosts, and, if applicable, remote document store hosts, place the Java 7 software.

Backing Up the Calendar Server Database

See [Best Practices for Backing Up and Restoring Databases in Calendar Server Deployments](#).

Installing Java 7

Calendar Server 7.0.4.15.0 requires that you use Java 7. See [Installing Java For Communications Suite 7.0.6](#) for more information.

Notes:

- If you changed the Java 6 `java.policy` file, then you must do the same to the Java 7 file.
- If you installed Java 6 certificates in the `cacerts` file, you must also install those certificates in Java 7. See the Java 7 documentation for more information on these items.

Preparing the Directory Server

If you are upgrading to Calendar Server 7.0.4.15.0 from Calendar Server 7.0.4.14.0, you should have already performed this step. Calendar Server 7.0.4.14.0 and greater requires that at least `comm_dssetup.pl 6.4.0.25.0` be run against your Directory Servers. Before you can upgrade to Calendar Server 7.0.4.15.0, you must run the `comm_dssetup.pl` script (minimum version 6.4.0.25.0)

on each Directory Server in your deployment. This version of `comm_dssetup.pl` applies the required Directory Server index on the `davUniqueId` attribute for Calendar Server.

To run `comm_dssetup.pl`:

1. On each Directory Server host, run `commpkg install` (or `commpkg upgrade` if `comm_dssetup.pl` exists already on the host), and select only Comms DSsetup 6.4.
2. On each Directory Server host, run the `comm_dssetup.pl` script to apply the schema updates. For example:

```
/opt/sun/comms/dssetup/sbin/comm_dssetup.pl
```

3. Respond to the prompts.
For more information, see [Communications Suite Directory Server Setup Script \(comm_dssetup.pl\)](#).

Running `commpkg upgrade` for Calendar Server 7.0.4.15.0

This section assumes that you have previously put the Communications Suite 7.0.6 distribution onto each Calendar Server 7 front-end host and remote document store host, if applicable.

1. On the Calendar Server front-end hosts, run `commpkg upgrade` and select Calendar Server 7.0.4.15.0.
See [commpkg upgrade 7.0.6 Usage](#) for more information. If the upgrade detects a problem during the pre-upgrade phase, correct the problem and re-run the upgrade.
2. If you have remote document stores, see [Calendar Server 7.0.4.15.0 Remote Document Store Upgrade](#).

Upgrading the Calendar Server Back-end Database

If you are running MySQL Server 5.1, which was part of the Calendar Server 7.1 version, you must upgrade to at least MySQL Server 5.5.8 See [Upgrading to MySQL Server 5.5.8](#) for instructions.

Updating the Calendar Server Back-end Database Charset on MySQL

If you previously upgraded to Calendar Server 7.0.4.14.0, you should have already changed the character set. Calendar Server 7.0.4.14.0 and greater requires the MySQL Server default character set be set to `utf8mb4`. This is to support 4-byte Unicode, which the older MySQL UTF-8 character set does not support.

- To set the MySQL Server default character set, edit the `/etc/my.cnf` file, and change the following line:

```
character-set-server = utf8
```

to:

```
character-set-server = utf8mb4
```

Creating the iSchedule Database

If you are upgrading from Calendar Server 7 or Calendar Server Update 1, create the iSchedule

database.

- Depending on your database back end, run the appropriate command:
 - MySQL Server: `config-mysql --ischedule`
 - OracleDB: `config-oracle --ischedule`

For more information, see [Running the Calendar Server 7.0.4.15.0 config-mysql Script](#) or [Running the Calendar Server 7.0.4.15.0 config-oracle Script](#).

Installing GlassFish Server 3.1.2

If you have already upgraded to Calendar Server 7.0.4.14.0, you should have also installed GlassFish Server 3.1.2. Starting with version 7.0.4.14.0, Calendar Server requires that you use GlassFish Server 3.1.2 as its web container. You do not need to upgrade your current GlassFish 2.1.1 version. Instead, you install GlassFish Server 3.1.2 on another location using either the existing port used by GlassFish Server 2.1.1 or a new port. Then, when you run the Calendar Server `init-config` command, you enter the new values for the GlassFish Server 3.1.2 installation.

1. See [Oracle GlassFish Server 3.1.2 Installation Guide](#) for instructions on installing GlassFish Server software.
2. After installing GlassFish Server 3.1.2, enable secure administration.
The GlassFish Server secure administration (`secure admin`) feature enables you to secure all administrative communication between the server and administration clients such as the `asadmin` utility and the administration console.

```
# /opt/glassfish3/bin/asadmin enable-secure-admin
You must restart all running servers for the change in secure admin to
take effect.
Command enable-secure-admin executed successfully.

# /opt/glassfish3/bin/asadmin restart-domain
Successfully restarted the domain
Command restart-domain executed successfully.
```



Note

If you do not enable `secure admin`, then the `init-config` command fails with an error similar to the following:

```
running cmd: /opt/glassfish3/glassfish/bin/asadmin --host=host1.example.com
--port=4848 --secure=true --user=admin
--passwordfile=/opt/sun/comms/davserver/lib/config-templates/.aspas
get server-config.admin-service.jmx-connector.system.port
It appears that server [host1.example.com:4848] does not accept secure
connections. Retry with --secure=false.
javax.net.ssl.SSLHandshakeException: Remote host closed connection during
handshake
The following errors have been detected in section: appsrv
It appears that server [host1.example.com:4848] does not accept secure
connections. Retry with --secure=false.
javax.net.ssl.SSLHandshakeException: Remote host closed connection during
handshake
Unable to obtain the JMX connector port value.
```

Setting Environment Variables

Upgrading to Java 7 requires that you make the following environment variable changes.

1. Set the JAVA_HOME environment variable to Java 7 in the login profile of the GlassFish runtime user, or creating a symbolic link for /usr/jdk/latest to the Java 7 location.
2. Stop GlassFish Server.
3. Set GF3_base/glassfish/config/asenv.conf to the Java 7 location.
4. Restart GlassFish Server.

Running the populate-davuniqueid Command

Ignore this step if you have already switched to using the davUniqueId attribute. If you initially deployed Calendar Server 7 Update 2 to use the nsUniqueId attribute as your unique identifier, you should switch to using the davUniqueId attribute, which was introduced in Calendar Server 7 Update 3. For more information on the problems with using nsUniqueId, see [Changing User uuid](#). For information on the davUniqueId attribute, see [davUniqueId](#) in the Communications Suite Schema Reference Guide.

1. Run the populate-davuniqueid tool to populate, in LDAP, calendar users, groups, and resources with the davUniqueId attribute.
You can run the tool interactively or with supplied parameters. For more information, see [populate-davuniqueid Usage](#). Here is a sample populate-davuniqueid session:

```
# /opt/sun/comms/davserver/sbin/populate-davuniqueid
Directory host: ds.example.com
Directory user bind DN: admin
Directory user bind password:
Directory search base: o=isp
Output to file: popdavunique-output
Please check the following information
Directory host: ds.example.com
Directory port: 389
Directory user bind DN: admin
Directory user bind password: as specified
Directory search base: o=isp
Directory search filter:
(|(objectclass=icscalendaruser)(objectclass=icscalendarresource))
Output to: popdavunique-output
Add daventity objectclass: no
Load output LDIF automatically: no
Do you want to continue (y/n)?:
```

2. Use the davadmin command to modify the davcore.uriinfo.permanentuniqueid configuration parameter to davUniqueId.
You must do this, even though you set davUniqueId when running the Calendar Server configurator, because the merge-config command resets this. For example:

```
/opt/sun/comms/davserver/sbin/davadmin config modify -u admin -o
davcore.uriinfo.permanentuniqueid -v davuniqueid
```

3. Use the davadmin command to both obtain the value of and modify the davcore.uriinfo.subjectattributes configuration parameter to add davUniqueId to its list of attributes value.
For example:

```
/opt/sun/comms/davserver/sbin/davadmin config list -u admin -o
davcore.uriinfo.subjectattributes
davcore.uriinfo.subjectattributes: cn davstore icsstatus mail
mailalternateaddress nsuniqueid owner preferredlanguage uid objectclass
ismemberof uniquemember memberurl mgrprfc822mailmember kind

/opt/sun/comms/davserver/sbin/davadmin config modify -u admin -o
davcore.uriinfo.subjectattributes -v "cn davstore icsstatus mail
mailalternateaddress davuniqueid owner preferredlanguage uid
objectclass ismemberof uniquemember memberurl mgrprfc822mailmember
kind"
```

Performing the Calendar Server Configuration

1. Run the `init-config` command to enter the current deployment configuration values. That is, when prompted for the Application Server Configuration Details, use the values for your GlassFish Server 3.1.2 installation. Be sure to enter `davUniqueId` if you chose that as the new unique LDAP attribute.
2. Run the `merge-config` command to merge in any other changes that were done to the configuration after the initial configuration, and that are not controlled by the `init-config` program.
For example, you might have customized configuration parameters in the `davserver.properties` file.
3. (Optional) Resolve any problems. If the upgrade detects a problem during the post-upgrade phase with merging configuration files, reconcile the merged files.

davadmin account upgrade Operation

If you are upgrading to Calendar Server 7.0.4.15.0 from Calendar Server 7.0.4.14.0, you should have already performed this step. The `davadmin account upgrade` operation sets the next presence triggers for all existing events in the future. You must run `davadmin account upgrade` after upgrading Calendar Server to set the presence triggers for existing future events.

- To set presence triggers after upgrading:

```
davadmin account upgrade
```

Currently, `davadmin account upgrade` does not print a message either while it is running or when it completes. The `davadmin account upgrade` command could take some time to complete, so allow it to finish. While `davadmin account upgrade` is running, it does not impact any Calendar Server functionality.

Performing Post-Configuration Tasks

See [Calendar Server 7.0.4.15.0 Post Configuration](#).

Chapter 10. Configuration Worksheets - Calendar Server 7.0.4.15.0

Configuration Worksheets - Oracle Communications Calendar Server 7.0.4.15.0



This page contains information for Calendar Server 7.0.4.15.0 and will not be updated in the future. For documentation beginning with Calendar Server 7.0.5.17.0, see the Oracle Technology Network site at:

<http://www.oracle.com/technetwork/documentation/oracle-communications-185806.html>

Print and fill out this worksheet to use when responding to the Oracle Communications Calendar Server `init-config` script configuration options.

Calendar Server 7.0.4.15.0 Worksheet

Option	Default Value	Fill in Your Site's Value (to Respond to the Script)
Main Section		
Location to store application data and config	/var/opt/sun/comms/davserver	
Runtime user	root	
Runtime group	bin	
Fully qualified host name of this system	<i>FQDN of host</i>	
db section:		
Back end database type, either mysql or oracle	mysql	
Questions for MySQL Server		
MySQL database server host name	<i>FQDN of host</i>	
MySQL database server port number	3306	
Calendar database user	caldav	
Calendar database user password	—	

Calendar database name	caldav	
iSchedule database name ¹	ischedule	
Questions for Oracle Database		
Oracle database server host name	<i>FQDN of host</i>	
Oracle database server port number	1521	
Oracle service name	<i>orcl.domain_name_of_host</i>	
Calendar database user	caldav	
Calendar database user password	--	
iSchedule database user	ischedule	
iSchedule database user password	--	
Calendar Back End Section		
Back end document store type, either local, dbdocstore or remote	local	
Calendar backend name (local only)	defaultbackend	
Calendar backend local store path (local only)	/var/opt/sun/comms/davserver/db	
Calendar backend remote store host (remote only)		
Calendar backend remote store port (remote only)	8008	
ischedule.backend section:		
Back end document store type, either local, dbdocstore or remote	local	
iSchedule backend name (local only)	ischedulebackend	
iSchedule backend local store path (local only)	/var/opt/sun/comms/davserver/db/ischedulebackend	
iSchedule backend remote store host (remote only)		
iSchedule backend remote store port (remote only)	8008	
Application Server Section		
Application server install directory	/opt/glassfish3/glassfish	
Application server domain directory	/opt/glassfish3/glassfish/domains/domain1	
Application server document root directory	/opt/glassfish3/glassfish/domains/domain1/docroot	
Application server target instance name	server	
Application server virtual server	server	
Calendar server access host	<i>FQDN of host</i>	
Calendar server access port	8080	

Application server admin server host	<i>FQDN of host</i>	
Application server admin server port	4848	
Is admin server port secure	true (yes)	
Application server admin user	admin	
Application server admin user password	—	
URI path of the deployed server	/	
LDAP Section		
User/Group LDAP Uri; format: ldap://host.example.com:389	ldaps:// <i>FQDN of host</i> :636	
User/Group directory manager DN	cn=Directory Manager	
Directory manager password	—	
LDAP unique ID attribute	davuniqueid	
User/Group default domain	<i>domain name of host</i>	
Default organization DN	This value depends on the previous value and the user/group suffix of the directory server.	
Calendar administrator user	calmaster	
Calendar administrator user password	—	
Notification Section		
Notification mail server host name	<i>FQDN of host</i>	
Notification mail server port number	25	

¹ The iSchedule database is used to manage external calendar invitations. The established standard for scheduling between two separate calendar servers is still only through iMIP, which sends calendar data over email. Previously, end users had to manually import such invitations and responses that arrived in email into their calendars. Starting with Messaging Server 7 Update 5, you can use an iSchedule channel that interprets such mail messages and posts them to the Calendar server directly. Thus, external invitations and responses get into users' calendars without any user intervention. See [Using the iSchedule Channel to Handle iMIP Messages](#) for instructions on how to set up Messaging Server. No special setup is required for Calendar server. If you remove the iSchedule database configuration, Calendar Server does not function correctly without it.

Chapter 11. Configuring the Calendar Server

7.0.4.15.0 Document Store

Configuring the Oracle Communications Calendar Server 7.0.4.15.0 Document Store



This page contains information for Calendar Server 7.0.4.15.0 and will not be updated in the future. For documentation beginning with Calendar Server 7.0.5.17.0, see the Oracle Technology Network site at:

<http://www.oracle.com/technetwork/documentation/oracle-communications-185806.html>

This information explains how to configure either a local or remote document store for Calendar Server. You must configure one document store per each Calendar Server back end. That is, configure one document store for the calendar store (the MySQL Server database or Oracle Database), and one document store for the iSchedule database. For conceptual information, see [Document Store](#) and [Planning the Document Store](#).



Note

Every logically configured database, including the iSchedule database, must have its own unique document store to manage its large data.

Topics:

- [Java Version](#)
- [To Configure Oracle Database for Both Calendar Data and Large Data](#)
- [To Configure a Local Document Store](#)
- [To Configure a Remote Document Store](#)
- [To Configure Remote Document Store Authentication](#)
- [To Configure the Document Store for High Availability](#)
- [To Migrate the Document Store](#)
- [To Configure Remote Document Store SSL](#)
- [To Troubleshoot the Document Store](#)

Java Version

The GlassFish Server host that is functioning as the web container for Calendar Server, and remote document store host, must both be using the same Java version. Starting with Calendar Server 7.0.4.15.0, this must be Java 7. If the GlassFish Server host and remote document store host are using different Java versions, SSL to the document store does not operate correctly. The result is a `getContentStream` failed error in the browser.

To Configure Oracle Database for Both Calendar Data and Large Data

In the case of Oracle Database, you can configure it to contain both the calendar data and the data that otherwise would need to be stored in the separate document store. That is, you would use a single "large" Oracle database for both calendar data and the document store. This type of configuration is not possible with a MySQL database, because it has a storage size limit of 64 KB. Oracle Database does not have this limitation. If you are using MySQL Server, refer instead to the following sections to set up a local or remote document store.

1. Set the `store.dav.backend-name.attachstorehost` parameter for a value of `dbdocstore`. For example:

```
davadmin config modify -o store.dav.defaultbackend.attachstorehost -v dbdocstore
davadmin config modify -o store.dav.ischedulebackend.attachstorehost -v dbdocstore
```

You need to do this on all back ends, including the iSchedule back-end database.

2. Restart Calendar Server by restarting the GlassFish Server instance, for example:

```
asadmin> stop-domain domain1
asadmin> start-domain domain1
```

To Configure a Local Document Store

1. Create a data directory for the document store.
The default location is `/var/opt/sun/comms/davserver/db/`. Make sure that the directory has sufficient storage space, and is readable and writable by the document store user only.

```
mkdir </path/to/docstore>
chmod 700 </path/to/docstore>
```

2. Configure Calendar Server to use the document store directory.

```
davadmin config modify -u admin -o store.dav.defaultbackend.dbdir -v </path/to/docstore>
```

3. Restart Calendar Server by restarting the GlassFish Server instance, for example:

```
asadmin> stop-domain domain1
asadmin> start-domain domain1
```

To Configure a Remote Document Store

Prerequisite: Install the Calendar Server software on the remote host. For more information, see [Installation Scenario - Calendar Server 7.0.4.15.0](#).

1. Create a data directory for the document store.
The default location is `/var/opt/sun/comms/davserver/db/`. Make sure that the directory is readable and writable by the document store user only.
2. Run the `configure-as` command, which is located in the document store `sbin` directory.

```
<cal-svr-base>/sbin/configure-as
```

If you need to start or stop the document store, the commands are:

```
<cal-svr-base>/sbin/start-as  
<cal-svr-base>/sbin/stop-as
```

3. Change the **store.dav.<backend>.attachstorehost** and **store.dav.<backend>.attachstoreport** parameters on each Calendar Server front-end host to specify the host name and port number of the document store hosts for both the back-end database and iSchedule database.

For example:

```
davadmin config modify -u admin -o  
store.dav.defaultbackend.attachstorehost -v ahost.example.com  
davadmin config modify -u admin -o  
store.dav.defaultbackend.attachstoreport -v 8008  
davadmin config modify -u admin -o  
store.dav.ischedulebackend.attachstorehost -v ahost.example.com  
davadmin config modify -u admin -o  
store.dav.ischedulebackend.attachstoreport -v 8008
```

Each back-end database and iSchedule database have its own document store. See [davadmin command](#) for more information on how to change the **store.dav.<backend>.attachstorehost** and **store.dav.<backend>.attachstoreport** parameters.

4. Restart Calendar Server by restarting the GlassFish Server instance, for example:

```
asadmin> stop-domain domain1  
asadmin> start-domain domain1
```

To Configure Remote Document Store Authentication

This feature is available starting in **Calendar Server 7 Update 3**.

You must configure password authentication of the connection between the remote document store server (which runs on the remote host where the store is located), and the document store client (which runs on every Calendar Server front end). The password needs to be known by both the document store client and the remote document store server. The password is stored in a password file (called a *wallet*) on each host where it is needed.

Prerequisite: The remote document store must exist and be running. If necessary, see [To Configure a](#)

Remote Document Store.

1. On the local Calendar Server host, use the `davadmin passfile modify` command to set the document store password.
For example:

```
cd <cal-svr-base>/sbin
./davadmin passfile modify
Enter the Password File password:

Do you want to set the app server admin user password (y/n)? [n] n

Do you want to set the database password (y/n)? [n] n

Do you want to set the migration server user password (y/n)? [n] n

Do you want to set the document store password (y/n)? [n] y
Enter the document store password:
Reenter the document store password:

Do you want to set the document store SSL passwords (y/n)? [n] n
```

The ability to configure the document store for SSL is available starting in **Calendar Server 7.0.4.14.0**.

Setting the document store password updates the `store.document.password` configuration parameter.

2. Configure the document store.

```
cd <cal-svr-base>/sbin
./configure-as

Do you want to set the document store password (y/n)? [n] y
Enter the document store password: <password>
Reenter the document store password: <password>

Do you want to set the document store SSL passwords (y/n)? [n] y
Enter the document store SSL keystore password: <Type the same password
that you used when creating the self-signed certificate, that is, the
keystore password>
Reenter the document store SSL keystore password: <password>

Enter the document store SSL certificate password: <Type the same
password that you used when creating the self-signed certificate, that
is, the keystore password>
Reenter the document store SSL certificate password: <password>

Please check the values in
/var/opt/sun/comms/davserver/config/ashttpd.properties
are correct before starting the server with start-as
To stop the server, run stop-as
Document Store server is now configured
```

If you did not set the document store password or you want to change it, you can run the `davadmin passfile modify -O` command.
For example:

```
cd <cal-svr-base>/sbin
./davadmin passfile modify -O

Enter the Password File password:

Do you want to set the document store password (y/n)? [n]

Do you want to set the document store SSL passwords (y/n)? [n] y
```

 After setting the initial password, if you use the `davadmin config modify` command to modify the `store.document.password` configuration parameter (instead of rerunning the `davadmin passfile modify` command), the document store password in the "davadmin" wallet may not be up-to-date.

To Configure the Document Store for High Availability

- Use the `store.dav.backendid.attachstorehost` configuration parameter to specify a comma-separated list of document store hosts. When the current document store host fails, the back end fails over to the next document store host on the list.

A shared file system, or some kind of replication for the data, is required. In addition, you must keep the data on the document stores in sync at all times.

See [Calendar Server 7 Command-Line Utilities](#) and [Calendar Server 7 Configuration Parameters](#) for more information.

To Migrate the Document Store

If you must migrate your `store.datadir` to another location, reconfigure the store location in the `ashttpd.properties` file, then manually move your existing documents in the `astore` directory. Also, manually move the files in the `config` and `logs` directories to the new location before restarting the document store server and the front-end Calendar Server. For more information on the `ashttpd.properties` file, see [Document Store Server Configuration File](#).

1. Stop Calendar Server by stopping the GlassFish Server instance, for example:

```
asadmin> stop-domain domain1
```

2. If the document store is remote, stop it as well.

```
<doc-svr-base>/sbin/stop-as
```

3. Manually move the existing documents from the old path to the newly configured location.
4. Reconfigure the document store server.
 - Remote store: Reconfigure the `store.datadir` parameter in the `ashttpd.properties`

- file.
 - Local store: Reconfigure the `store.dav.defaultbackend.dbdir` parameter. For more information on these parameters, see [Calendar Server 7 Configuration Parameters](#).
5. If the document store is remote, restart it.

```
<doc-svr-base>/sbin/start-as
```

6. Restart Calendar Server by restarting the GlassFish Server instance, for example:

```
asadmin> stop-domain domain1
asadmin> start-domain domain1
```

To Configure Remote Document Store SSL

You can use SSL to secure transmission of data between the Calendar Server and the document store. Configuring SSL between Calendar Server and the document store consists of the following high-level steps:

1. Configuring the document store to accept SSL connections
 - a. Creating a self-signed or Certificate Authority (CA) signed certificate
 - b. Creating or updating the SSL keystore on the document store host
 - c. Configuring the document store to accept SSL connections
2. Configuring the Calendar Server to use SSL connections to the document store
 - a. Installing the certificate on the Calendar Server host, if necessary
 - b. Making Calendar Server configuration changes to support SSL to the document store

Topics in this section:

- [Creating an SSL Certificate](#)
- [Creating or Updating the SSL Keystore on the Document Store Server Host](#)
- [Making SSL Configuration Changes on the Document Store](#)
- [To Install a Certificate on the Calendar Server Host](#)
- [To Configure Calendar Server to Use SSL for the Document Store](#)

Creating an SSL Certificate

Follow the steps in [Creating, Exporting, and Importing SSL Certificates](#) to create a certificate.

Creating or Updating the SSL Keystore on the Document Store Server Host

After creating either the a self-signed or CA signed certificate, you must import that certificate into a KeyStore file on the document store host. If you created the certificate in a KeyStore on the server host, you can use that KeyStore "as is." If you created the certificate on some other host, or obtained a CA-signed certificate, you must import it into a KeyStore on the document store host as described in [Creating, Exporting, and Importing SSL Certificates](#).

Making SSL Configuration Changes on the Document Store

After creating a certificate and importing it into a KeyStore file, you must update the document store configuration with the location of the KeyStore file and that SSL is enabled. To do so, edit the `config/ashttpd.properties` file, which was previously created by the `configure-as` script. The full path to the `ashttpd.properties` file is displayed when the `configure-as` script finishes.

To update the `asshhttpd.properties` file for SSL:

1. Open the `ashttpd.properties` file.
2. Set the `store.usessl` property to `true`.

```
store.usessl=true
```

3. Set the `store.sslkeystorepath` property to the KeyStore file's path.
For example:

```
store.sslkeystorepath=/myconfig/mykeystore.jks
```

4. If you have not done so already, use the `davadmin passfile` command set the document store SSL passwords.

```
davadmin passfile modify -0
```

5. When prompted by the command, type the document store and KeyStore (certificate) passwords.
6. Stop then restart the document store for the changes to take effect.

```
stop-as  
start-as
```

To Install a Certificate on the Calendar Server Host

If you are using a CA-signed certificate, you do not need to install the certificate on the Calendar Server host, as long as the instance of GlassFish Server you are using contains the root certificate of that CA.

If you are using a self-signed certificate, you must import the certificate into the `trustStore` used by GlassFish Server on the Calendar Server host. Import is described in [Creating, Exporting, and Importing SSL Certificates](#).

To Configure Calendar Server to Use SSL for the Document Store

1. On the Calendar Server host, set the `store.document.usessl` configuration parameter to **true**.

```
davadmin config modify -o store.document.usessl -v true
```

2. Restart GlassFish Server.

To Troubleshoot the Document Store

- If the Java Runtime Environment is not the minimum version required by the start script, you might need to set your `JAVA_HOME` variable before starting the document server.
- When running the `start-as` script, you might encounter the following error:

```
Error occurred during initialization of VM
Could not reserve enough space for object heap
```

The server does not have enough memory. Install more memory to the document store server. The attachment store requires 2 Gbytes of memory.

- The document store uses two log files that could contain clues about problems that are occurring. The log files are named `astore.0` and `errors`, and are located in the `install_directory/logs` directory. For example, if the document store password on the document store server host does not match the one on the Calendar Server host, you see the following entry in the `astore.0` log file:

```
Feb 11, 2013 4:21:24 PM
com.sun.comms.davserver.backends.MyAuthenticator checkCredentials
WARNING: Password on doc store server does not match password sent
from Calendar Server
```

- If you set the `usessl` flag in the `ashttpd.properties` file, you see the following entry in the `astore.0` log file:

```
Feb 11, 2013 4:22:50 PM
com.sun.comms.davserver.backends.HttpAttachmentServer start
INFO: HTTPS server starting up
```

- If you are using SSL and the path to the keystore in the `ashttpd.properties` file is incorrect, you might see an entry like the following:

```
Unable to access SSL keystore file:
/var/opt/sun/comms/davserver/config/mykeystore.jks
```

Chapter 12. Installation Scenario - Calendar Server 7.0.4.15.0

Installation Scenario - Oracle Communications Calendar Server 7.0.4.15.0



This page contains information for Calendar Server 7.0.4.15.0 and will not be updated in the future. For documentation beginning with Calendar Server 7.0.5.17.0, see the Oracle Technology Network site at:

<http://www.oracle.com/technetwork/documentation/oracle-communications-185806.html>

Topics:

- Overview of This Scenario
- Assumptions
- Which Software Components and Downloads Do You Need?
- Installing and Configuring a Calendar Server Deployment
- Configuring Calendar Server
- Configuring Calendar Server With Multiple Hosts
- Verifying the Calendar Server Configuration
- Configuring the Calendar Server Document Store
- Running Calendar Server Post-Installation Tasks
- Troubleshooting Calendar Server

Overview of This Scenario

The following installation information describes how to install and configure Oracle Communications Calendar Server. It assumes you have already made your architectural and design decisions. For example, it assumes that you know the total number of servers in your deployment, the number of front-end and back-end servers, and so on. If you are still in the planning or evaluating process, see the following documents:

- If you do not have an existing architecture or design, see the planning information in *Calendar Server Installation and Configuration Guide*.



Note

In a Calendar Server 7 deployment, all front-end hosts and remote document store hosts (if applicable) must run the same Calendar Server version. That is, you cannot have a deployment of mixed versions.

Assumptions

This scenario shows how to install Calendar Server on a separate host using the following assumptions:

- You are deploying Communications Suite on a single host or Solaris zone, or multiple hosts or Solaris zones.
- A Directory Server host is already installed.
If you need to install Directory Server (that is, your site does not currently have Directory Server deployed), see [Installation Scenario - Directory Server](#).
- A Messaging Server host is available for notification mail delivery.

Which Software Components and Downloads Do You Need?

- Communications Suite: Calendar Server
- Back-end database: Either MySQL Server or Oracle Database (see [Oracle Database Online Documentation](#) for Oracle Database installation documentation)
- Application server web container for Calendar Server: Oracle GlassFish Server
- LDAP server: Directory Server
- SMTP server: Messaging Server

For information on how Calendar Server uses Directory Server, see [Calendar Server and Directory Server Integration](#).

Installing and Configuring a Calendar Server Deployment

The tasks to install a Calendar Server deployment are as follows:

- [To Check Requirements for Calendar Server](#)
- [To Get the Software](#)
- [To Prepare Directory Server](#)
- [To Install and Configure Oracle GlassFish Server 3](#)
- [To Install the Database Back End for Calendar Server](#)
- [To Install a MySQL Database for Calendar Server](#)
- [To Install and Create an Oracle Database Instance for Calendar Server](#)
- [To Install the Calendar Server Software](#)
- [To Prepare MySQL Server for Use with Calendar Server](#)
- [To Prepare Oracle Database for Use with Calendar Server](#)

To Check Requirements for Calendar Server

See [Requirements for Calendar Server](#).

To Get the Software

1. Go to [Get the Software to Install Communications Suite 7.0.6](#).
From this site, download Communications Suite 7.0.6. Also download Oracle GlassFish Server 3 for use as the Calendar Server web container. If you need to install a directory service, download Directory Server 11g. If you choose to use Oracle Database 11g2 as the calendar store, you need to download that product as well, though you can use an existing Oracle Database 11g2 installation if you want. If you choose to use MySQL Server as the calendar store, you need to download that product too.
2. Continue with the next task.

To Prepare Directory Server

1. Prepare the Directory Server schema by installing and running the latest `comm_dssetup` from the Communications Suite 7.0.6 distribution.
See [Communications Suite Directory Server Setup Script \(comm_dssetup.pl\)](#) for more information.
2. Provision calendar domains, users, and resources in the Directory Server as required by Calendar Server 7.
See [Provisioning Calendar Server Users](#) for more information.
3. When you are done installing Directory Server and provisioning calendar users, domains, and resources, continue with the next task.

For more information on how Calendar Server uses Directory Server, see [Calendar Server and Directory Server Integration](#).

To Install and Configure Oracle GlassFish Server 3

1. See the [Oracle GlassFish Server 3.1.2 Installation Guide](#).
2. When you are done installing GlassFish Server, continue with the next task.

To Install the Database Back End for Calendar Server

You can use either Oracle Database or MySQL Server as the Calendar Server back end (calendar store).

Depending on your database choice, go to one of the following two tasks:

- [To Install a MySQL Database for Calendar Server](#)
- [To Install and Create an Oracle Database Instance for Calendar Server](#)

To Install a MySQL Database for Calendar Server

1. Add the new MySQL package.
 - For example, on Solaris:

```
pkgadd -d mysql-advanced-5.5.32-solaris10-sparc-64bit.pkg
```

- For example, on Linux 5:

```
rpm --ivv MySQL-server-advanced-5.5.32-1.rhel5.x86_64.rpm  
rpm --ivv MySQL-client-advanced-5.5.32-1.rhel5.x86_64.rpm
```

- For example, on Linux 6:

```
rpm --ivv MySQL-server-advanced-5.5.32-1.el6.x86_64.rpm  
rpm --ivv MySQL-client-advanced-5.5.32-1.el6.x86_64.rpm
```

Linux has two MySQL RPMs, client and server, that need to be added.



Note

Adding the new package on Red Hat Linux might include an automatic `mysql_upgrade`. This is fine in the context of this procedure.

2. If the MySQL configuration file, `/etc/my.cnf` is absent, create it.
For more information on creating the `/etc/my.cnf` file, see [To Prepare MySQL Server for Use with Calendar Server](#).
3. If you use replication, use the following ROW binary logging, instead of the default STATEMENT logging. Add the following to the `/etc/my.cnf` file:

```
binlog-format=ROW
```

4. If you use `log_long_format`, it is no longer a valid configuration option in 5.5. Remove it from the `/etc/my.cnf` file, otherwise MySQL Server won't start.
5. Start MySQL Server.

```
/etc/init.d/mysql start
```

6. Continue with the section, [To Install the Calendar Server Software](#).

To Install and Create an Oracle Database Instance for Calendar Server



Note

The Oracle Database instance must be a Unicode database, that is, the database character set must be AL32UTF8. Calendar Server does not support non-Unicode database character sets.

You can install an Oracle Database for Calendar Server use in one of the following three ways:

- Install a new database
- Create new database from an existing Oracle installation
- Create the Calendar Server schema on an existing database

Topics in this section:

- [To Install a New Database](#)
- [To Create a New Database From an Existing Oracle Installation](#)
- [To Create the Calendar Server Schema on an Existing Database](#)

To Install a New Database

The following procedure installs and creates the Oracle Database instance by using the Oracle Universal Installer.

1. Start `runInstaller` to install the Oracle Database.
2. When the Oracle Universal Installer Welcome window appears click Next.
The Specify Inventory directory and credentials windows appears.
3. Type the full path of the directory in which to install the Oracle software or accept the default directory.
On UNIX and Linux installations, make sure that the directory owner, group, and permissions are set correctly.
4. Click OK.
A dialog appears, for performing the root privileges before installing run the script in the command terminal.
5. Click Continue.
The Specify File Locations window appears.
6. Type the Oracle home and directory path in which to install the Oracle Software or accept the default, and click Next.

- The Select Installation Type window appears.
7. Select Enterprise Edition or Standard Edition as appropriate for your environment and click Next.
The Oracle Universal Installer verifies that your system meets minimum system requirements for installing and configuring the chosen products.
 8. Correct any reported issues before continuing then click Next.
The Select Database Configuration windows appears.
 9. Select the starter database type of General Purpose, Transaction Processing or Data Warehouse and click Next.
The Specify Database Configuration Options windows appears.
 10. Type the Global Database Name and SID in the Database Naming section.
 11. Select the 'Unicode standard UTF-8 AL32UTF8' character set in the Database Character Set section and uncheck the 'Create database with sample schema' under the Database Example section, then click Next.
The Select Database Management Options window appears.
 12. Select Use Database Control for Database Management and click Next.
The Specify Database File Storage Option window appears.
 13. Select File System, Automatic Storage Management, or Raw Devices as appropriate, or default File System and click Next.
The Specify Backup and Recovery Options window appears.
 14. Select the appropriate backup storage (the default is Do not enable Automated backups) and click Next.
The Specify Database Schema Passwords window appears.
 15. Select Use different passwords for these accounts and type passwords or select Use the same password or all the accounts and click Next.
The Summary window appears.
 16. Click Install to begin the installation, proceed with the dialog privileges and run `root . sh` as root.
 17. When the Exit Installation window appears, click Exit then click Yes on the dialog.
 18. Continue with the section, [To Install the Calendar Server Software](#).

To Create a New Database From an Existing Oracle Installation

The following procedure creates the Oracle Database instance by using the Oracle Database Configuration Assistant (DBCA).

1. Log in to the host where Oracle Database is installed.
2. Launch the DBCA in a terminal window.
The Welcome window appears
3. Click Next.
The Operations window appears.
4. Select Create a Database and click Next.
The Database Templates window appears.
5. Select the default General Purpose under the template and click Next.
The Database Identification window appears.
6. Type the Global Database Name and SID, and click Next.
The Management Options window appears.
7. Select the Use Database Control for Database Management and click Next.
The Database Credentials window appears.
8. Type the password for All Accounts and click Next.
The Storage Options window appears.
9. Select the File System and click Next.
The Database File Locations window appears.
10. Select the appropriate location Use Database File Locations from Template or Use Common Location for All Database Files, or Use Oracle-Managed Files. Click Next.
The Flash Recovery Area window appears.
11. Select the appropriate Archiving and click Next.
The Database Content window appears.
12. Uncheck the sample schema and click Next.
The Initialization Parameters window appears.
13. Click the Character Sets tab.

14. Select the Use Unicode (AL32UTF8) in the Database Character Set section from the drop-down menu and click Next.
The Database Storage window appears.
15. Click Next.
The Creation Options window appears.
16. Select Create Database and click Finish.
17. When the Confirmation window appears, click OK to confirm the creation.
18. After the database is created, the Database Configuration Assistant appears for password management.
19. Click Password Management to change the passwords or Click Exit.
20. Continue with the section, [To Install the Calendar Server Software](#).

To Create the Calendar Server Schema on an Existing Database

The following procedure extends the Calendar Schema on an Oracle Database instance.

1. Verify that the Oracle Database instance is running with AL32UTF8 database character set by typing the following query in Oracle SQL*Plus SQL Plus:

```
SELECT * FROM NLS_DATABASE_PARAMETERS WHERE PARAMETER LIKE  
'NLS_CHARACTERSET';
```

2. Examine the results.
 - a. If the query returns AL32UTF8, the database can be used for creating Calendar Server schema. Continue to [To Install the Calendar Server Software](#).
 - b. If the query does not return AL32UTF8, you must either create a new database in AL32UTF8 or migrate the database character set to AL32UTF8. Database character set migration is in most cases an intricate process that requires careful planning and execution strategies. For details, consult Oracle Database Globalization Support Guide for the character set migration chapter, and documentation for Oracle Database Migration Assistant for Unicode. To create a new database instance, follow the instructions provided in [To Create a New Database From an Existing Oracle Installation](#).

To Install the Calendar Server Software

To install the Calendar Server software, run the Communications Suite installer. The installer is a single unified utility called `commpkg`. It installs (but does not configure) the Communications Suite products. The `commpkg` utility does all the necessary preparation work before installing the product software on the system.

1. Launch the Communications Suite Installer.

```
./commpkg install
```

For more information, see [commpkg install 7.0.6 Usage](#).

2. Select Calendar Server (CALDAV) 7u4 and proceed with the installation.
The default installation directory for Calendar Server is `/opt/sun/comms/davserver`.
3. If the installer detects older versions of LDAP tools, you are prompted to change them.
You must answer **y**, otherwise, during the initial configuration (running `init-config`), the `ldapmodify` command does not run.

```
Do you wish to change pkg versions for LDAPCSDK6 [n] : y
...
Do you wish to change pkg versions for LDAPCSDK6 Tools [n] : y
```

4. (Optional) If you are going to use remote document stores, install the Calendar Server software on the remote hosts.
5. Depending on your database choice for the Calendar Server back end, go to one of the following two tasks:
 - [To Prepare MySQL Server for Use with Calendar Server](#)
 - [To Prepare Oracle Database for Use with Calendar Server](#)

To Prepare MySQL Server for Use with Calendar Server

You can either perform the following steps in this section or run the `config-mysql` script to prepare a new MySQL installation for use with Calendar Server. For more information on running the `config-mysql` script, see [Running the Oracle Communications Calendar Server config-mysql Script](#).



Note

When necessary, the following instructions show where commands differ between Solaris OS, and Red Hat Linux or Oracle Linux.



Caution

You must use the MySQL connector version packaged with Calendar Server. Do not use a different version.

1. Create a `mysql` group.
For example:

```
# /usr/sbin/groupadd mysql
```

2. Create a `mysql` user.
For example:

```
# /usr/sbin/useradd -g mysql -d / mysql
or
# useradd -M -r -c "MySQL Server" -d /var/lib/mysql -g mysql -s
/bin/bash mysql
```

3. Initialize the database.
 - a. Remove the pre-created data, for example:

```
# rm -rf /opt/mysql/mysql/data
# rm -rf /var/lib/mysql
```

- b. Create an initial database, for example:
 - Solaris OS:

```
# /opt/mysql/mysql/scripts/mysql_install_db --user=mysql
--ldata=/var/mysql
```

- Red Hat Linux or Oracle Linux:

```
# /usr/bin/mysql_install_db --user=mysql
--ldata=/var/lib/mysql
```

Substitute a different directory for /var/mysql if desired.

4. If the MySQL configuration file, /etc/my.cnf, is absent, create it with the following content: Change basedir and datadir if needed. Make sure there are no extra spaces if you cut and paste the path.

- Solaris OS:

```
[mysqld]
basedir = /opt/mysql/mysql
datadir = /var/mysql
default-storage-engine = InnoDB
character-set-server = utf8mb4
transaction-isolation = READ-COMMITTED
```

- Red Hat Linux or Oracle Linux:

```
[mysqld]
basedir = /usr
datadir = /var/mysql
default-storage-engine = InnoDB
character-set-server = utf8mb4
transaction-isolation = READ-COMMITTED
```

5. Install the startup script.

- Solaris OS:

```
# cp /opt/mysql/mysql/support-files/mysql.server /etc/init.d/mysql
```

- Red Hat Linux or Oracle Linux:

```
# cp /usr/share/mysql/mysql.server /etc/init.d/mysql
```

6. Start MySQL Server.

```
# /etc/init.d/mysql start
Starting MySQL
. SUCCESS!
```

7. Change the MySQL root password.

- Solaris OS:

```
# /opt/mysql/mysql/bin/mysqladmin -u root password '<password>'
```

- Red Hat Linux or Oracle Linux:

```
/usr/bin/mysqladmin -u root password '<password>'
```

Replace 'password' with the appropriate password to use for the root user.

8. Run the secure MySQL installation (disables remote root access, removes anonymous users, removes test databases, and so on).

- Solaris OS:

```
# /opt/mysql/mysql/bin/mysql_secure_installation
```

- Red Hat Linux or Oracle Linux:

```
/usr/bin/mysql_secure_installation
```

9. Create the MySQL user, and caldav and iSchedule databases based on the sample session that follows.

The following example uses 'caldav' as the MySQL user name, 'caldav' as the database name, and ischedule as the iSchedule database name. You can use different names.

Replace 'localhost' with the calendar server host name if the MySQL server is on a remote host (or use '%' for any host). Also replace 'password' with the appropriate password to use for the caldav user.

See [MySQL CREATE USER syntax](#).

```
# /opt/mysql/mysql/bin/mysql -u root -p
Enter password:
mysql> CREATE DATABASE caldav CHARACTER SET = utf8mb4;
mysql> CREATE USER 'caldav'@'localhost' IDENTIFIED BY 'password';
mysql> GRANT ALL ON caldav.* TO 'caldav'@'localhost';
mysql> CREATE DATABASE ischedule CHARACTER SET = utf8mb4;
mysql> GRANT ALL ON ischedule.* TO 'caldav'@'localhost';
mysql> exit
```

**Note**

The iSchedule database is used to manage external calendar invitations. The established standard for scheduling between two separate calendar servers is still only through iMIP, which sends calendar data over email. Previously, end users had to manually import such invitations and responses that arrived in email into their calendars. Starting with Messaging Server 7 Update 5, you can use an iSchedule channel that interprets such mail messages and posts them to the Calendar server directly. Thus, external invitations and responses get into users' calendars without any user intervention. See [Using the iSchedule Channel to Handle iMIP Messages](#) for instructions on how to set up Messaging Server. No special setup is required for Calendar server.

10. Configure MySQL to start automatically upon system reboot.**a. Option 1:**

```
# ln /etc/init.d/mysql /etc/rc3.d/S99mysql
```

If you need to add the stop scripts, use the following command:

```
# ln /etc/init.d/mysql /etc/rc0.d/K48mysql
```

b. Option 2:

Configure MySQL to run with Solaris Management Facility (SMF).

See the following links for information on how to configure MySQL to run with Solaris Management Facility (SMF):

- https://blogs.oracle.com/ritu/entry/how_to_configure_mysql_to
- <http://www.oracle.com/technetwork/systems/articles/smf-example-jsp-136458.html>
- https://blogs.oracle.com/smenon/entry/how_to_configure_mysql_to

11. Continue with the section, [Configuring Calendar Server](#).**To Prepare Oracle Database for Use with Calendar Server**

1. If your Oracle Database resides on a different host from where you installed the Calendar Server software, copy the `config-oracle` script and the `Util.pm` module, located in the `cal-svr-base/tools/unsupported/bin` directory, to the Oracle Database host.
2. Make sure that the Oracle environment has been configured after installing the software by running the `/usr/local/bin/oraenv` script (or `corenv` for C Shell) to set up the environment.
3. Run the `config-oracle` script.

```
cd <cal-svr-base>tools/unsupported/bin
./config-oracle -c -i
```

4. Respond to the following prompts.

```
Enter the Oracle SYS user password:
Enter the name of the Calendar db user (caldav):
Enter the password for Calendar db user <user>:
Please enter password again:
Enter the name of the iSchedule db user (ischedule):
Enter the password for iSchedule db user <user_ischedule>:
Please enter password again:
```

The script starts to configure the Oracle Database for use with Calendar Server. For more information on this script, see [Running the Oracle Communications Calendar Server config-oracle Script](#).



Note

The iSchedule protocol (currently in draft) defines how to handle scheduling between two different calendar servers. In general, the architecture accounts for a global calendar inbox/outbox for invitations. However, because iSchedule is still in draft form and not a standard, general adoption of the protocol has not yet taken place. Calendar Server currently handles invitations through the iMIP protocol (that is, by email). You need to configure the iSchedule database even though it is not currently used. If you remove the iSchedule database configuration, Calendar Server does not function correctly without it.

5. When the script is finished, proceed to [Configuring Calendar Server](#).

Configuring Calendar Server

After you install the Calendar Server software by using the Communications Suite installer, you must configure Calendar Server to complete the installation. You perform this initial runtime configuration by running the Calendar Server configuration program, `init-config`.

See [Calendar Server 7.0.4.15.0 Initial Configuration](#).

Configuring Calendar Server With Multiple Hosts

If you have multiple back-end hosts in your Calendar Server deployment, additional steps are necessary. See [Configuring Multiple Calendar Server Back-end Hosts](#).

Verifying the Calendar Server Configuration

To verify the Calendar Server configuration, you configure a client to connect to the server. See [Configuring CalDAV Clients for Calendar Server 7](#).

Configuring the Calendar Server Document Store

The document store is used to store large data in the Calendar Server, such as calendar events and todos with large attachments. CalDAV and Convergence clients are able to retrieve these attachments over HTTP.

See [Configuring the Calendar Server 7.0.4.15.0 Document Store](#).

Running Calendar Server Post-Installation Tasks

After installing and configuring Calendar Server, make sure that you add the appropriate ACIs for granting permission to users to search the LDAP directory for other users and resources whose calendars they can subscribe to. In addition, you might need to perform other post-installation tasks, such as the following:

- Configuring Calendar Server for a Secure Deployment
- Adding LDAP access control for Calendar Server

See [Calendar Server 7.0.4.15.0 Post Configuration](#) for more information.

Troubleshooting Calendar Server

See [Calendar Server 7 Troubleshooting](#).

For More Information

See [Calendar Server 7 Configuration Parameters](#) for configuration parameters and values. See [Administering Calendar Server 7 Logging](#) for how to enable logging. See [davadmin config](#) for how to set configuration parameters by using the `davadmin` command.

Chapter 13. Performing a Silent Calendar Server 7.0.4.15.0 Initial Configuration

Performing a Silent Oracle Communications Calendar Server 7.0.4.15.0 Initial Configuration



This page contains information for Calendar Server 7.0.4.15.0 and will not be updated in the future. For documentation beginning with Calendar Server 7.0.5.17.0, see the Oracle Technology Network site at:

<http://www.oracle.com/technetwork/documentation/oracle-communications-185806.html>

When you run the Calendar Server `init-config` script, it automatically creates a silent configuration state file called `saveState`. This file contains internal information about the parameters that are used to run the configuration script. You can use the `saveState` file to perform a silent (that is, non-interactive) Calendar Server initial configuration, as described in the following information.



Note

You can use an existing `saveState` to perform a silent configuration as long as no new initial configuration parameters are introduced by a Calendar Server patch.

Topics:

- [saveState File Overview](#)
- [To Run the Calendar Server Silent Configuration](#)
- [What if Passwords Have Changed Since You Performed the Initial Configuration?](#)

saveState File Overview

Each time you run the Calendar Server `init-config` script, it automatically creates a silent installation state file, `saveState`. You can use this file to quickly configure Calendar Server instances in your deployment where the Calendar Server packages have been installed. The `saveState` file records all your responses to the configuration prompts. You can use this technique to create new Calendar Server configurations or when you are applying a patch to an existing Calendar Server instance.

By running a silent configuration, you instruct the `init-config` script to read the state file, which contains the values you want to use to respond to the configuration prompts. When you use the state file, you are not asked any configuration questions. Instead, all the state file responses are automatically applied.

The silent configuration `saveState` file is stored in the `cal-svr-base/install/davserver-config_YYYYMMDDHHmmSS` directory, where `YYYYMMDDHHmmSS` identifies the 4-digit year, month, date,

hour, minute, and second of the saveState file. After you have run the `init-config` program once, the saveState file is created.

To Run the Calendar Server Silent Configuration

1. Copy an existing saveState file to a temporary area on the machine where you are performing the installation.
To generate a saveState file, you need to run the `init-config` command interactively at least once.
2. To perform the silent configuration, run the following command:

```
<cal-svr-base>/sbin/init-config -s -f <path_to_savestate_file>
```



Note

After running the silent configuration, a new saveState file is created in the `cal-svr-base/install/davserver-config_YYYYMMDDHHmmSS` directory.

What if Passwords Have Changed Since You Performed the Initial Configuration?

If you have changed any Calendar Server administrative passwords since you last ran your initial configuration, the silent configuration fails. You need to make sure that the passwords used in the saveState file are current before running the silent configuration.

The following is a list of passwords that might have changed and their corresponding saveState parameter:

- MySQL Server: `mysql.db.pass` = `cGFzc3dvcmQ=`
- GlassFish Server: `appsrv.admin.pass` = `cGFzc3dvcmQ=`
- Directory Manager: `ldap.bind.pass` = `cGFzc3dvcmQ=`
- Calendar Server: `ldap.admin.pass` = `cGFzc3dvcmQ=`

Follow these guidelines to update the saveState file, for example, if you have updated the Directory Manager password in your deployment:

1. Encode the updated password for the saveState file.
The passwords are base64 encoded. Use any base64 online encoder or the `base64` command-line utility to encode the password.
2. Edit the saveState file and modify the Directory Manager password in the saveState file by changing the value of `ldap.bind.pass` to the value that you obtained in Step 1.
3. Run the silent configuration.

Chapter 14. Running the Calendar Server

7.0.4.15.0 config-mysql Script

[< Back to Calendar Server Installation Scenario](#)

Running the Oracle Communications Calendar Server 7.0.4.15.0 config-mysql Script



This page contains information for Calendar Server 7.0.4.15.0 and will not be updated in the future. For documentation beginning with Calendar Server 7.0.5.17.0, see the Oracle Technology Network site at:

<http://www.oracle.com/technetwork/documentation/oracle-communications-185806.html>

The config-mysql Perl script prepares a new MySQL installation for use with Oracle Communications Calendar Server. You can use this script instead of manually preparing a new MySQL installation.



Caution

If you already have a running instance of MySQL server, read the following information carefully before using this script.

Beginning with **Oracle Communications Calendar Server for CALDAV Clients 7 Update 1**, the config-mysql and Util.pm scripts are bundled in the product distribution in the *cal-svr-base/tools/unsupported/bin* directory.

Topics:

- [Syntax and Examples](#)
- [To Run the config-mysql Script](#)

Syntax and Examples

config-mysql *[options]*

where the *options* are:

Option	Description
--help -?	Prints help
--calendar -c	Configures the calendar database
--ischedule -i	Configures the ischedule database
--server -s	Configures the MySQL server instance
--user -u	Creates the MySQL database user

- To set up a new MySQL Server instance, and the default back end and iSchedule back end:

```
config-mysql -s -u -c -i
```

- To set up a MySQL Server instance on an additional host, and a new calendar back end:

```
config-mysql -s -u -c
```

- To set up just a new calendar back end on any existing instance:

```
config-mysql -c
```

To Run the config-mysql Script

1. Copy the config-mysql and Util.pm scripts from a machine where Calendar Server is installed to the machine where MySQL is installed.
Both scripts are located in the *cal-svr-base/tools/unsupported/bin* directory.
2. On the machine where MySQL is installed, as root, launch the config-mysql script with options -s, -u, -c, and -i.
The script creates a log file in the /tmp directory with a name such as config-mysql_YYYYMMDDHHMMSS.log.
3. The script creates a minimal instance configuration in the /etc/my.cnf file for use with the Calendar Server database.
If you receive a message that the script has found existing instance configuration in the /etc/my.cnf file, type **yes** to overwrite the existing instance configuration, or **no** to exit.
4. Type the instance data directory.
If you choose a directory that already exists, the script assumes that it belongs to an existing MySQL instance and that it might contain useful data. If that's not the case and you want to use that directory, remove the directory first.
5. Type the MySQL root user password, and type again to confirm.
6. Type the db user, password (once more to confirm), calendar db name, and iSchedule database name.
7. The script will then output the list of tasks to be performed and asked the user to confirm before proceeding. Below is a sample output:

```

A MySQL instance configuration /etc/my.cnf already exists
Are you sure to overwrite? (Y/N) y
Enter the MySQL data directory (/var/mysql): /var/mysql
Enter the MySQL root user password:
Please enter password again:
Enter the db user name: caldav
Enter the db user password:
Please enter password again:
Enter the name of the Calendar db (caldav):
Enter the name of the iSchedule db (ischedule):

=====
Here are the tasks to configure the MySQL instance:
  1. Attempt to stop MySQL server /etc/init.d/mysql stop
  2. Run mysql_install_db script to prepare a new database
    directory
      in /var/tmp/mysql
  3. Create MySQL server configuration /etc/my.cnf
  4. Install mysql.server script to system startup and shutdown
  5. Attempt to start MySQL server /etc/init.d/mysql start
  6. Run mysqladmin to change the MySQL root password
  7. Run mysql_secure_installation to lock down the MySQL
    installation

=====
Here is the SQL script to be performed:
CREATE USER 'caldav'@'localhost' IDENTIFIED BY 'password';
CREATE USER 'caldav'@'%' IDENTIFIED BY 'password';
CREATE DATABASE IF NOT EXISTS caldav CHARACTER SET = utf8mb4;
GRANT ALL ON caldav.* TO 'caldav'@'localhost';
GRANT ALL ON caldav.* TO 'caldav'@'%';
CREATE DATABASE IF NOT EXISTS ischedule CHARACTER SET = utf8mb4;
GRANT ALL ON ischedule.* TO 'caldav'@'localhost';
GRANT ALL ON ischedule.* TO 'caldav'@'%';

Do you want to proceed? (Y/N)

```

8. Type **y** to proceed.
The script performs the following steps:
 - Stops the running MySQL instance.
This step is run regardless of whether there is a running instance. You might see the message "ERROR! MySQL server PID file could not be found!." You can safely ignore this message.
 - Runs `mysql_install_db` to create the instance data directory specified in [Step 3](#).
 - Creates a minimal `/etc/my.cnf` file for the instance.
 - Copies the `mysql.server` script to the system startup and shutdown directory.
 - Starts the MySQL server by using the configuration in the `/etc/my.cnf` file.
 - Uses the `mysqladmin` script to change the root password specified in [Step 4](#).
 - Runs `mysql_secure_installation` to secure the newly created MySQL instance.
9. When the script asks for the existing root password, use the one from [Step 4](#) and answer "no" to the question "Change the root password? [Y/n]."
One of the tasks in the `mysql_secure_installation` script is to change the root password (since a fresh instance has a blank root password).
10. The last step is for the script to create the calendar database, iSchedule database, and database

user by using the mysql tool.

Chapter 15. Running the Calendar Server

7.0.4.15.0 config-oracle Script

Running the Oracle Communications Calendar Server 7.0.4.15.0 config-oracle Script



This page contains information for Calendar Server 7.0.4.15.0 and will not be updated in the future. For documentation beginning with Calendar Server 7.0.5.17.0, see the Oracle Technology Network site at:

<http://www.oracle.com/technetwork/documentation/oracle-communications-185806.html>

Topics:

- [config-oracle Script Overview](#)
- [Syntax](#)
- [Options](#)
- [To Run the config-oracle Script](#)
- [config-oracle Examples](#)

config-oracle Script Overview

The config-oracle Perl script prepares a running Oracle Database instance for use with Oracle Communications Calendar Server. Before running this script, make sure that you have run the oraenv or coraenv script. The script creates a log file in the /tmp directory with a name such as config-oracle_YYYYMMDDHHMMSS.log.

Beginning with **Oracle Communications Calendar Server 7 Update 2**, the config-oracle and Util.pm scripts are bundled in the product distribution in the cal-svr-base/tools/unsupported/bin directory.

Requirements: Must be root.

Location: cal-svr-base/tools/unsupported/bin/config-oracle

Syntax

config-oracle [options]

Options

The following table provides the options to the `config-oracle` script.

`config-oracle` Script Options

Option	Description
<code>--help</code> or <code>-?</code>	Prints the help.
<code>--calendar</code> or <code>-c</code>	Configures the calendar database.
<code>--ischedule</code> or <code>-i</code>	Configures the iSchedule database.

To Run the `config-oracle` Script

1. Copy the `config-oracle` and `Util.pm` scripts from a machine where Calendar Server is installed to the machine where Oracle Database is installed.
Both scripts are located in the `cal-svr-base/tools/unsupported/bin` directory.
2. On the host where Oracle Database is installed, as root, type:

```
config-oracle -c -i
```

3. Type the Oracle SYS user password.
4. Type the calendar db user name and password, and iSchedule database user name and password.
The script outputs the list of tasks to be performed.
5. Type **Y** to proceed.
The script creates the calendar and iSchedule database users and schemas.

The following is a sample `config-oracle` session.

Enter the Oracle SYS user password:
Enter the name of the Calendar db user (caldav):
Enter the password for Calendar db user caldav:
Please enter password again:
Enter the name of the iSchedule db user (ischedule):
Enter the password for iSchedule db user ischedule:
Please enter password again:

=====

Here is the SQL script to be performed:
WHenever SQLERROR EXIT SQL.SQLCODE;

```
CREATE USER caldav IDENTIFIED BY password;  
GRANT CONNECT, RESOURCE TO caldav;  
GRANT CREATE VIEW to caldav;  
GRANT UNLIMITED TABLESPACE to caldav;  
GRANT EXECUTE ON DBMS_LOCK to caldav;
```

WHenever SQLERROR EXIT SQL.SQLCODE;

```
CREATE USER ischedule IDENTIFIED BY password;  
GRANT CONNECT, RESOURCE TO ischedule;  
GRANT CREATE VIEW to ischedule;  
GRANT UNLIMITED TABLESPACE to ischedule;  
GRANT EXECUTE ON DBMS_LOCK to ischedule;
```

Do you want to proceed? (Y/N)

config-oracle Examples

- To set up the default back end and iSchedule back end:

```
config-oracle -c -i
```

- To set up an additional calendar back end:

```
config-oracle -c
```


Chapter 16. Communications Suite 7.0.6 Initial Configuration

Oracle Communications Unified Communications Suite 7.0.6 Initial Configuration

This page automatically lists the initial configuration information you need when installing Communications Suite components. Use the following information to perform the initial configuration after installing the Communications Suite software.

Page: [Calendar Server 7.0.4.15.0 Initial Configuration](#)

Page: [Contacts Server 8.0 Initial Configuration](#)

Page: [Convergence 3.0.0.1.0 Initial Configuration](#)

Page: [Delegated Administrator 7.0.0.9.0 Initial Configuration](#)

Page: [Indexing and Search Service 1.0.5.22.0 Initial Configuration](#)

Page: [Instant Messaging Server 9.0.2.6.0 Initial Configuration](#)

Page: [Messaging Server 7.0.5.31.0 Initial Configuration](#)

Chapter 17. Communications Suite 7.0.6 Installation Guide

Oracle Communications Unified Communications Suite 7.0.6 Installation Guide

The following information is intended for any evaluator, system administrator, or software technician who wants to install any portion of the Communications Suite software.

Topics:

- [Oracle Communications Unified Communications Suite Installation Overview](#)
- [Installing Communications Suite](#)
- [Uninstalling Communications Suite](#)
- [Getting Information About Which Products Are Installed](#)

See also:

- [Connector for Microsoft Outlook 8.0.2.0.0 Installation Guide](#)

Oracle Communications Unified Communications Suite Installation Overview

This information describes how to install specific Communications Suite products on a specific machine (a machine can mean either a computer or a Solaris Zone). It describes the product installation tasks required for new deployments and upgrades. The following table shows the product versions that are available in Communications Suite 7.0.6.

Oracle Communications Unified Communications Suite Products and Components Version 7.0.6

Product	Version
Oracle Communications Calendar Server	7.0.4.15.0
Oracle Communications Connector for Microsoft Outlook	8.0.2.0.0
Oracle Communications Contacts Server	8.0
Oracle Communications Convergence	3.0.0.1.0
Oracle Communications Delegated Administrator	7.0.0.9.0
Oracle Communications Indexing and Search Service	1.0.5.22.0
Oracle Communications Instant Messaging Server	9.0.2.6.0
Oracle Communications Messaging Server	7.0.5.31.0
Messaging Server HA Agent (MS_SCHA)	7
Instant Messaging HA Agent (IM_SCHA)	7.3
Dssetup for Oracle Communications Unified Communications Suite (comm_dssetup)	6.4.0.26.0

Check for current patches that have shipped since the initial Communications Suite 7.0.6 release on My Oracle Support at:
<https://support.oracle.com>

The Communications Suite installer does *not* install Oracle Communications Connector for Microsoft Outlook, although the product is included with the distribution.

For installation instructions for Connector for Microsoft Outlook, see [Connector for Microsoft Outlook 8.0.2.0.0 Installation Guide](#).

This information assumes that you have already made your architectural and design decisions and that you know which products you want to install, the number of machines in your deployment, and the number of front-end and back-end servers. If you are still in the planning or evaluating process, or if you do not have an existing architecture or design, refer to *Unified Communications Suite Deployment Planning Guide*.

To upgrade your current Communications Suite deployment, refer to [Communications Suite 7.0.6 Upgrade Guide](#).

Communications Suite Installation Scenarios

Use the product-based or component-based installation scenarios for a high-level set of instructions.

Installing Communications Suite

The information in this section describes the steps to install Communications Suite products. These steps provide a high-level process flow for installing any or all of the Communications Suite products.

1. Check that your platform and operating system support Communications Suite.

Recommended platforms for Oracle Communications Unified Communications Suite are:

Solaris OS 10	SPARC, x64	Run the latest Solaris 10 update with the latest recommended patch set. See Solaris 10 Information Library for more information.
Red Hat Linux 5	x64	Run the latest Red Hat Linux 5 update. See Red Hat Enterprise Linux documentation for more information.
Oracle Linux 5	x64	Run the latest Oracle Linux 5 update. See Oracle Linux Documentation for more information.

For details, see this list of [operating system and platform requirements](#).

In addition, certain Communications Suite products have minimum disk and memory requirements. For more information, refer to [Memory and Disk Space Requirements for Communications Suite](#).

2. Install the Non-Communications Suite Products required to run Communications Suite.

Which products are required to support the Communications Suite products?

The [Product Version Compatibility Requirements for Communications Suite 7.0.6](#) table lists the products and versions that are compatible with the Communications Suite 7.0.6 products.

For products needed to deploy Convergence, see the [Product Version Compatibility Requirements for Convergence](#).

**Note**

GlassFish Message Queue 4.4 Update 1 is a shared component to the Communications Suite installer and is only installed when you install a dependent product, such as Messaging Server or Indexing and Search Service. It does not explicitly appear in the list of items to install, upgrade, or uninstall in the Communications Suite installer. The Communications Suite installer also installs Network Security Services (NSS) and other shared components.

How Do You Install the Non-Communications Suite Products?

The Communications Suite installer does *not* install software products that are not included with the Communications Suite software. To install these additional products, perform the following steps:

1. Download the software.
For links to download sites, go to [Get the Software to Install Communications Suite 7.0.6](#).
2. Install Java by using the instructions in [Installing Java For Communications Suite 7.0.6](#).
Some component products still require Java 6 (EOL'd, last version Java SE 6 U45).
3. Install GlassFish Server 3.1.2.6 with High-Availability Database (HADB) software by using the instructions in [Oracle GlassFish Server 3.1.2 Installation Guide](#).

**Note**

Communications Suite 7.0.6 component products require GlassFish Server 3.1.2.6. Download GlassFish Server 3.1.2.6 as described in [Get the Software to Install Communications Suite 7.0.6](#). Do not download 3.1.2.4 as described in the GlassFish Server installation instructions.

4. Install Directory Server by using the instructions in [Installation Scenario - Directory Server](#).
5. If you are using Oracle Database as the back-end data store for either Calendar Server or Contacts Server, see [Oracle Database Online Documentation](#) for Oracle Database installation instructions.
6. If you are using MySQL as the back-end data store for either Calendar Server or Contacts Server, see *Calendar Server Installation and Configuration Guide* or *Contacts Server Installation and Configuration Guide* for installation instructions.
7. Install the following optional products by running the Java ES 5 Update 1 installer:
 - Access Manager 7.1: Delegated Administrator 7 no longer requires Access Manager. See: [Access Manager Deprecation of Support](#).
 - Web Server 7.0: In general, you should use GlassFish Server instead of Web Server.

To install Access Manager or Web Server, follow the instructions in [Sun Java Enterprise System 5 Update 1 Installation Guide for UNIX](#).

Here are other information sources and methods for installing these products:

- Oracle iPlanet Web Server 7.0 Update 1 – See [Installation and Migration Guide](#).
- Access Manager Server – Either run the JES 5 Update 1 Installer or deploy a single [WAR file](#). For details, see [Access Manager Postinstallation Guide](#). You can also find installation instructions in this [Access Manager deployment example](#).

**Note**

If you are installing Access Manager 7.1 on a Red Hat Linux system, verify that a compatible version of the Java Development Kit (JDK) is installed.

3. Define and set up additional requirements for individual Communications Suite products.

In addition to the generic suite requirements, some products have specific requirements. For details about individual product requirements, see [Communications Suite 7.0.6 Release Notes](#).

Messaging Server 7.0.5.31.0

- You must ensure that Domain Name System (DNS) is running and configured properly. For details, see [DNS configuration](#).
- Recommended file systems for the message store are listed in [Message Store File Systems](#).
- Make sure that you do not configure conflicting port numbers when various components are running on a single machine. For a list of port numbers used by Messaging Server, see [Default Port Numbers](#).#Default Port Numbers].

Calendar Server 7.0.4.15.0

Install the Oracle Communications Calendar Server back-end database first. Then, install and configure the Oracle Communications Calendar Server front end. You can use either Oracle Database or MySQL Server as the calendar back-end database.

Contacts Server 8.0

Install the Oracle Communications Contacts Server back-end database first. Then, install and configure the Oracle Communications Contacts Server front end. You can use either Oracle Database or MySQL Server as the contacts back-end database.

4. Install Communications Suite products.

After you have complied with the previous platform and software requirements, complete these steps:

1. Download the software.
To download Communications Suite, including the installer, go to [Get the Software to Install Communications Suite 7.0.6](#).
2. Run the installer.
The installer is a single unified utility called `commpkg`. It installs (but does not configure) the Communications Suite products. The `commpkg` utility does all the necessary preparation work before installing the product software on the system. As root, run the following command:
`./commpkg install`
3. The Communications Suite installer installs product components under a single umbrella installation directory `INSTALLROOT`. The default value for `INSTALLROOT` is `/opt/sun/comms`.

For details about other *power user* features of the `commpkg` installer, see the following information:

- [commpkg install 7.0.6 Usage](#)
- [Installing Communications Suite 7.0.6 in Silent Mode](#)
- [Using the ALTROOT 7.0.6 Command-Line Argument](#)
- [Installing Communications Suite 7.0.6 on Solaris Zones](#)
- [commpkg 7.0.6 - General Syntax and Commands](#)

5. Prepare Directory Server for Communications Suite (run `comm_dssetup.pl`).

All Communications Suite components require that you run the `comm_dssetup.pl` script against Directory Server. For example:

```
cd <INSTALLROOT>/dssetup/sbin  
./comm_dssetup.pl
```

For details, see [Communications Suite 7.0.6 Directory Server Setup Script \(comm_dssetup.pl\)](#).



Note

If you install or upgrade Directory Server *before* you run the Communications Suite installer, the Directory Server installation process might place a previous version of `comm_dssetup.pl` on your system. You must use the current version of `comm_dssetup.pl` provided by the Communications Suite installer. However, if a previous version of `comm_dssetup.pl` is installed then the Communications Suite installer cannot install a new version with the `commpkg install` command. Instead, run the `commpkg upgrade` command to upgrade to the latest version of `comm_dssetup.pl`.

6. Gather information needed to configure Communications Suite products.

Before you run a configuration program, you must gather specific configuration information for each product. Use the following worksheets:

- [Configuration Worksheets - Convergence 3.0.0.1.0](#)
- [Configuration Worksheets - Messaging Server 7.0.5.31.0](#)
- [Configuration Worksheets - Calendar Server 7.0.4.15.0](#)
- [Configuration Worksheets - Instant Messaging Server 9.0.2.6.0](#)
- [Configuration Worksheets - Delegated Administrator 7.0.0.9.0](#)
- [Configuration Worksheets - Indexing and Search Service 1.0.5.22.0](#)
- [Contacts Server: See *Contacts Server Installation and Configuration Guide*.](#)

7. Create initial configurations for the individual Communications Suite products.

For each Communications Suite product, you must run a separate configuration program. Each configuration program creates an initial runtime configuration to make the product operational. The program provides a generic, functional server configuration, which you can refine by customizing the configuration.

You should usually configure the back-end servers before configuring clients. Client configurations require that certain server attributes be defined.

Delegated Administrator 7.0.0.9.0

Run the initial configuration program:

```
INSTALLROOT/da/sbin/config-commda
```

For detailed instructions, see [Delegated Administrator 7.0.0.9.0 Initial Configuration](#).

Messaging Server 7.0.5.31.0

Run the initial configuration program:

- For a legacy configuration: `INSTALLROOT/messaging64/bin/configure`

- For a Unified Configuration: `INSTALLROOT/messaging64/bin/configure --xml`

For detailed instructions, see [Messaging Server 7.0.5.31.0 Initial Configuration](#).

Calendar Server 7.0.4.15.0

Run the initial configuration program:

```
INSTALLROOT/davserver/sbin/init-config
```

For detailed instructions, see [Calendar Server 7.0.4.15.0 Initial Configuration](#).

Indexing and Search Service 1.0.5.22.0

Run the initial configuration program:

```
INSTALLROOT/jiss/bin/setup
```

For detailed instructions, see [Indexing and Search Service 1.0.5.22.0 Initial Configuration](#). As of Indexing and Search Service 1 Update 2, the `setup.sh` configuration program was renamed to simply `setup`.

Instant Messaging 9.0.2.6.0

Run the initial configuration program:

```
INSTALLROOT/im/sbin/configure
```

For detailed instructions, see *Instant Messaging Server Installation and Configuration Guide* on the Oracle Documentation site at:

<http://www.oracle.com/technetwork/indexes/documentation/oracle-communications-185806.html>

Convergence 3.0.0.1.0

Run the initial configuration program:

```
INSTALLROOT/iwc/sbin/init-config
```

For detailed instructions, see [Convergence 3.0.0.1.0 Initial Configuration](#).

Contacts Server 8.0

Run the initial configuration program:

```
INSTALLROOT/nabserver/sbin/init-config
```

For detailed instructions, see *Contacts Server Installation and Configuration Guide*.

Messaging Server Sun Cluster HA Agent 7.0

Run the initial configuration program:

```
msg-scha-base/bin/init-config
```

This command registers the HA agent with the Sun Cluster HA software. You must have the Sun Cluster HA software installed prior to issuing this command.

For more information about configuring the Messaging Server Sun Cluster HA agent, see *Messaging*

Instant Messaging Server Sun Cluster HA Agent

Run the initial configuration program:

```
im-scha-base/bin/init-config
```

This command registers the high availability (HA) agent with the Sun Cluster HA software. You must have the Sun Cluster HA software installed before you issue this command.

For more information about configuring the Instant Messaging Sun Cluster HA agent, see *Instant Messaging Server System Administrator's Guide*.

Uninstalling Communications Suite

To uninstall the Communications Suite products that are installed on the local machine, run the following commands:

```
cd <INSTALLROOT>/CommsInstaller/bin
./commpkg uninstall
```

For detailed instructions, see the following information:

- [commpkg uninstall 7.0.6 Usage](#)
- [Uninstalling Communications Suite 7.0.6 in Silent Mode](#)
- [commpkg 7.0.6 - General Syntax and Commands](#)

Getting Information About Which Products Are Installed

- To determine the Communications Suite software components installed on the machine, run the following command:

```
./commpkg info --verbose
```

- To determine which version of GlassFish Server 3 you have installed, run the following command.

```
asadmin> version
Version = Oracle GlassFish Server 3.1.2.6 (build 2)
```

Command version executed successfully.

commpkg 7.0.6 - General Syntax and Commands

Communications Suite 7.0.6 Installer: General Syntax and Commands

The Communications Suite installer, `commpkg`, comprises several commands (verbs) that enable you to install, uninstall, and upgrade Communications Suite products and shared components.

Topics:

- [Communications Suite Installer Syntax](#)
- [Communications Suite Installer Commands](#)

Communications Suite Installer Syntax

The following syntax applies to the Communications Suite installer in general:

```
commpkg [general options] verb [verb-specific options]
```

Communications Suite Installer General Options

The *general options* for the installer are:

Option	Description
-? or --help	Displays help.
-V or --version	Displays the Communications Suite Installer version.
--OSversionOverride	Overrides the operating-system version check.
--fixEntsys [y n]	Fixes an invalid Sun Java Enterprise System (Java ES) <code>entsys symlink</code>, making the link point to the latest Java version upgraded by <code>commpkg</code>. The Java ES symlink is located in <code>/usr/jdk/entsys-j2se</code>. Choose <code>--fixEntsys y</code> to fix the Java ES symlink to the Java files. If you do not specify this switch, <code>commpkg</code> prompts you if the symlink is invalid. However, in silent mode, the default is <i>not</i> to fix the symlink (the equivalent of using a value of <code>n</code>). To fix the symlink in silent mode, type <code>commpkg install --fixEntsys y --silent INPUTFILE</code> on the command-line.

You need to be logged in as superuser (root) to run the installer.

Communications Suite Installer Verbs

The *verb* is one of the following:

Verb	Description
install	Performs Communications Suite installation
uninstall	Performs Communications Suite uninstallation
info	Displays Communications Suite information
upgrade	Performs Communications Suite upgrade
verify	Verifies installed products

Communications Suite Installer Commands

See the following documentation for more information about the `commpkg` commands (verbs) and their options:

- `commpkg install Usage`
- `commpkg upgrade Usage`
- `commpkg uninstall Usage`
- `commpkg info Usage`
- `commpkg verify Usage`

commpkg info 7.0.6 Usage

commpkg info 7.0.6 Usage

The `commpkg info` command obtains information about the following items:

- The paths (also known as `installroots`) where Communication Suite products are installed
- The products that are installed in those paths

To use the command, as root, invoke `commpkg info`. You can also use the command to repair the software list by adding known `installroots` and deleting incorrect `installroots` in the software list.

Topics:

- [Communications Suite Installer Verbs](#)
- [commpkg info Syntax](#)
- [commpkg info Options](#)
- [commpkg info Sample Sessions](#)

Communications Suite Installer Verbs

For information about the `commpkg` general syntax, other commands and options, see [commpkg - General Syntax and Commands](#).

commpkg info Syntax

```
commpkg info [options] [installroot | name]
```

The `installroot | name` specifies an `installroot` or name from the software list. The name is a friendly, shorthand name in the software list that indicates the `installroot` to use. If you enter a name that does not exist in the software list, an error results. If no `installroot` or name is specified, the `commpkg info` command prints information on all the `installroots` listed in the software list.

If `installroot` is specified and does not exist in the software list, and is a valid alternate root, the `commpkg info` command adds the `installroot` to the software list.

To specify the default root, use `"/"` or `""`. The friendly name for the default root is `""`.

commpkg info Options

The following options are used by the `commpkg info` command:

commpkg info Options

commpkg install options	Description
-? or --help	Displays help.
-V or --version	Displays version of Communications Suite components.
--clean	Removes entries in the software list. If <i>installroot</i> <i>name</i> is specified, the option removes the entry from the software list. If no <i>installroot</i> <i>name</i> is specified, the option removes all entries from the software list.
--listPackages	Lists the packages that make up each Communications Suite product, shared component, and OS auxiliary product. This option also displays the mnemonic for each Communications Suite product or component such as <code>comm_dssetup.pl</code> .
--verbose	Prints product information installed in the <code>installroots</code> . To print information for a specific <code>installroot</code> , run this command as follows: <code>commpkg info --verbose installroot</code>

commpkg info Sample Sessions

- [commpkg info 7.0.6 Sample Session](#)
- [commpkg info altroot 7.0.6 Sample Session](#)

commpkg info 7.0.6 Sample Session

commpkg info 7.0.6 Sample Session

This sample session shows the output of `commpkg info` in Communications Suite 7.0.6.

Topics:

- [Comments](#)
- [Summary of Commands Run](#)
- [Session](#)

Comments

```
- "commpkg info" will show what is installed.
```

Summary of Commands Run

```
537 uname -a
538 ./commpkg info
539 ./commpkg info --verbose
```

Session

```
[537 Fri Aug 08 18:09:28 root@host% /home/user/wspace/releases/ci76# ]
# uname -a
SunOS host 5.10 Generic_147440-12 sun4v sparc sun4v
[538 Fri Aug 08 18:10:15 root@host% /home/user/wspace/releases/ci76# ]
# ./commpkg info
-- LOGFILE: /tmp/CommsInstaller_20140808181017.log
CommsInstaller version 7.0.6.0.0 (7.6-0.10) built on Tue Jul 1 21:57:57
PDT 2014
=====
Detecting Installed Products...
Detecting Installed Patches...
NOTICE: The OS Recommended Patch Cluster (as of 2013.02.19)
has not been applied. Specifically the following
patches are missing:
147147-26
NOTICE: It is highly recommended that you apply the
latest OS Recommended Patch Cluster. compkg will
not do this automatically.
ALTR00T: /
NAME: ""
Product: Messaging Server (64bit) 7u5 64bit
Oracle Version: 7.0.5.31.0
Version: 7.5-31.0
ALTR00T: /
Basedir: /opt/sun/comms/messaging64
Build Date: 20140505
Product: Comms DSsetup 6.4
```

```

Oracle Version: 6.4.0.26.0
Version: 6.4-26.01
ALTR00T: /
Basedir: /opt/sun/comms/dssetup
Build Date: 20140418
Product: Calendar Server 7u4
Oracle Version: 7.0.4.15.0
Version: 7.4-15.10
ALTR00T: /
Basedir: /opt/sun/comms/davserver
Build Date: 20140425
Product: Instant Messaging 9u2 64bit
Oracle Version: 9.0.2.6.0
Version: 9.2-06.7
ALTR00T: /
Basedir: /opt/sun/comms/im
Build Date: 20140625
Product: Convergence 3
Oracle Version: 3.0.0.1.0
Version: 3.0-1.0022
ALTR00T: /
Basedir: /opt/sun/comms/iwc
Build Date: 20140630
Product: Indexing and Search Service 1u5
Oracle Version: 1.0.5.22.0
Version: 1.5-22.11300
ALTR00T: /
Basedir: /opt/sun/comms/jiss
Build Date: 20140528
Product: Comms Delegated Administrator 7
Oracle Version: 7.0.0.9.0
Version: 7.0-9.00
ALTR00T: /
Basedir: /opt/sun/comms/da
Build Date: 20140106
Product: Messaging Server Sun Cluster HA agent 7.0
Oracle Version: Not Found
Version: 7.0-0.03
ALTR00T: /
Basedir: /opt/sun/comms/msg_scha
Build Date: 20080519
Product: Instant Messaging Sun Cluster HA agent 7.3
Oracle Version: Not Found
Version: 7.3-01.02
ALTR00T: /
Basedir: /opt/sun/comms/im_scha
Build Date: 20080403
Product: Contacts Server 8
Oracle Version: 8.0.0.0.0
Version: 8.0-0.52
ALTR00T: /
Basedir: /opt/sun/comms/nabserver
Build Date: 20140522

[539 Fri Aug 08 18:10:25 root@host% /home/user/wspace/releases/ci76# ]
# ./commpkg info --verbose

```

```
-- LOGFILE: /tmp/CommsInstaller_20140808181029.log
CommsInstaller version 7.0.6.0.0 (7.6-0.10) built on Tue Jul 1 21:57:57
PDT 2014
=====
Detecting Installed Products...
Detecting Installed Patches...
NOTICE: The OS Recommended Patch Cluster (as of 2013.02.19)
has not been applied. Specifically the following
patches are missing:
147147-26
NOTICE: It is highly recommended that you apply the
latest OS Recommended Patch Cluster. compkg will
not do this automatically.
ALROOT: /
NAME: ""
Product: Messaging Server (64bit) 7u5 64bit
Oracle Version: 7.0.5.31.0
Version: 7.5-31.0
ALROOT: /
Basedir: /opt/sun/comms/messaging64
Build Date: 20140505
getVersion UNAME: SunOS
getVersion ARCH: sparc
getVersion BITS: 64
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWmessaging-server-64 7.0,REV=2008.06.20 7.5-31.0
Patch Status/ID:
PRESENT 137204-31
Product: Comms DSsetup 6.4
Oracle Version: 6.4.0.26.0
Version: 6.4-26.01
ALROOT: /
Basedir: /opt/sun/comms/dssetup
Build Date: 20140418
getVersion UNAME: SunOS
getVersion ARCH: sparc
getVersion BITS: 32
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWcomds 6.3,REV=2004.08.12 6.4-26.01
Patch Status/ID:
PRESENT 118242-03
PRESENT 118245-26
Product: Calendar Server 7u4
Oracle Version: 7.0.4.15.0
Version: 7.4-15.10
ALROOT: /
Basedir: /opt/sun/comms/davserver
Build Date: 20140425
getVersion UNAME: SunOS
getVersion ARCH: sparc
getVersion BITS: 32
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWdavserver 7.0,REV=2009.08.27 7.4-15.10
```

```

Patch Status/ID:
PRESENT 142785-15
Product: Instant Messaging 9u2 64bit
Oracle Version: 9.0.2.6.0
Version: 9.2-06.7
ALROOT: /
Basedir: /opt/sun/comms/im
Build Date: 20140625
getVersion UNAME: SunOS
getVersion ARCH: sparc
getVersion BITS: 64
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWiimin 9.0,REV=2011.09.05 9.2-06.7
PRESENT SUNWiim 9.0,REV=2011.09.05 9.2-06.7
PRESENT SUNWiimm 9.0,REV=2011.09.05 9.2-06.7
PRESENT SUNWiimjd 9.0,REV=2011.09.05 9.2-06.7
PRESENT SUNWiimid 9.0,REV=2011.09.05 9.2-06.7
PRESENT SUNWiimgw 9.0,REV=2011.09.05 9.2-06.7
PRESENT SUNWiimw 9.0,REV=2011.09.05 9.2-06.7
PRESENT SUNWiimfed 9.0,REV=2011.09.05 9.2-06.7
Patch Status/ID:
PRESENT 148579-06
Product: Convergence 3
Oracle Version: 3.0.0.1.0
Version: 3.0-1.0022
ALROOT: /
Basedir: /opt/sun/comms/iwc
Build Date: 20140630
getVersion UNAME: SunOS
getVersion ARCH: sparc
getVersion BITS: 32
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWiwc 3.0,REV=2014.06.30 3.0-1.0022
Patch Status/ID:
No patches defined for this OS version
Product: Indexing and Search Service 1u5
Oracle Version: 1.0.5.22.0
Version: 1.5-22.11300
ALROOT: /
Basedir: /opt/sun/comms/jiss
Build Date: 20140528
getVersion UNAME: SunOS
getVersion ARCH: all
getVersion BITS: 32
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWjiss 1.0,REV=2009.09.09 1.5-22.11300
Patch Status/ID:
PRESENT 142824-22
Product: Comms Delegated Administrator 7
Oracle Version: 7.0.0.9.0
Version: 7.0-9.00
ALROOT: /
Basedir: /opt/sun/comms/da

```



```

Build Date: 20140106
getVersion UNAME: SunOS
getVersion ARCH: sparc
getVersion BITS: 32
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWcommda 7.0,REV=2009.03.31 7.0-9.00
Patch Status/ID:
PRESENT 124581-09
Product: Messaging Server Sun Cluster HA agent 7.0
Oracle Version: Not Found
Version: 7.0-0.03
ALTRoot: /
Basedir: /opt/sun/comms/msg_scha
Build Date: 20080519
getVersion UNAME: SunOS
getVersion ARCH: sparc
getVersion BITS: 32
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWmessaging-server-scha 7.0,REV=2008.05.19 7.0-0.03
Patch Status/ID:
No patches defined for this OS version
Product: Instant Messaging Sun Cluster HA agent 7.3
Oracle Version: Not Found
Version: 7.3-01.02
ALTRoot: /
Basedir: /opt/sun/comms/im_scha
Build Date: 20080403
getVersion UNAME: SunOS
getVersion ARCH: sparc
getVersion BITS: 32
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWiimsc 7.3,REV=2008.01.07.20.24.34 7.3-01
Patch Status/ID:
PRESENT 137571-01
Product: Contacts Server 8
Oracle Version: 8.0.0.0.0
Version: 8.0-0.52
ALTRoot: /
Basedir: /opt/sun/comms/nabserver
Build Date: 20140522
getVersion UNAME: SunOS
getVersion ARCH: sparc
getVersion BITS: 32
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWnabserver 8.0,REV=2014.05.22 8.0-0.52
Patch Status/ID:
No patches defined for this OS version

[540 Fri Aug 08 18:10:38 root@host% /home/user/wspace/releases/ci76# ]
# ./commpkg info --verbose --includeSC --includeOS
-- LOGFILE: /tmp/CommsInstaller_20140808181120.log
CommsInstaller version 7.0.6.0.0 (7.6-0.10) built on Tue Jul 1 21:57:57

```

```

PDT 2014
=====
Detecting Installed Products...
Detecting Installed Patches...
NOTICE: The OS Recommended Patch Cluster (as of 2013.02.19)
has not been applied. Specifically the following
patches are missing:
147147-26
NOTICE: It is highly recommended that you apply the
latest OS Recommended Patch Cluster. comppkg will
not do this automatically.
ALTRoot: /
NAME: ""
Product: Messaging Server (64bit) 7u5 64bit
Oracle Version: 7.0.5.31.0
Version: 7.5-31.0
ALTRoot: /
Basedir: /opt/sun/comms/messaging64
Build Date: 20140505
getVersion UNAME: SunOS
getVersion ARCH: sparc
getVersion BITS: 64
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWmessaging-server-64 7.0,REV=2008.06.20 7.5-31.0
Patch Status/ID:
PRESENT 137204-31
Product: Comms DSsetup 6.4
Oracle Version: 6.4.0.26.0
Version: 6.4-26.01
ALTRoot: /
Basedir: /opt/sun/comms/dssetup
Build Date: 20140418
getVersion UNAME: SunOS
getVersion ARCH: sparc
getVersion BITS: 32
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWcomds 6.3,REV=2004.08.12 6.4-26.01
Patch Status/ID:
PRESENT 118242-03
PRESENT 118245-26
Product: Calendar Server 7u4
Oracle Version: 7.0.4.15.0
Version: 7.4-15.10
ALTRoot: /
Basedir: /opt/sun/comms/davserver
Build Date: 20140425
getVersion UNAME: SunOS
getVersion ARCH: sparc
getVersion BITS: 32
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWdavserver 7.0,REV=2009.08.27 7.4-15.10
Patch Status/ID:
PRESENT 142785-15

```

```

Product: Instant Messaging 9u2 64bit
Oracle Version: 9.0.2.6.0
Version: 9.2-06.7
ALROOT: /
Basedir: /opt/sun/comms/im
Build Date: 20140625
getVersion UNAME: SunOS
getVersion ARCH: sparc
getVersion BITS: 64
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWiimin 9.0,REV=2011.09.05 9.2-06.7
PRESENT SUNWiim 9.0,REV=2011.09.05 9.2-06.7
PRESENT SUNWiimm 9.0,REV=2011.09.05 9.2-06.7
PRESENT SUNWiimjd 9.0,REV=2011.09.05 9.2-06.7
PRESENT SUNWiimid 9.0,REV=2011.09.05 9.2-06.7
PRESENT SUNWiimgw 9.0,REV=2011.09.05 9.2-06.7
PRESENT SUNWiimw 9.0,REV=2011.09.05 9.2-06.7
PRESENT SUNWiimfed 9.0,REV=2011.09.05 9.2-06.7
Patch Status/ID:
PRESENT 148579-06
Product: Convergence 3
Oracle Version: 3.0.0.1.0
Version: 3.0-1.0022
ALROOT: /
Basedir: /opt/sun/comms/iwc
Build Date: 20140630
getVersion UNAME: SunOS
getVersion ARCH: sparc
getVersion BITS: 32
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWiwc 3.0,REV=2014.06.30 3.0-1.0022
Patch Status/ID:
No patches defined for this OS version
Product: Indexing and Search Service 1u5
Oracle Version: 1.0.5.22.0
Version: 1.5-22.11300
ALROOT: /
Basedir: /opt/sun/comms/jiss
Build Date: 20140528
getVersion UNAME: SunOS
getVersion ARCH: all
getVersion BITS: 32
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWjiss 1.0,REV=2009.09.09 1.5-22.11300
Patch Status/ID:
PRESENT 142824-22
Product: Comms Delegated Administrator 7
Oracle Version: 7.0.0.9.0
Version: 7.0-9.00
ALROOT: /
Basedir: /opt/sun/comms/da
Build Date: 20140106
getVersion UNAME: SunOS

```

```

getVersion ARCH: sparc
getVersion BITS: 32
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWcommda 7.0,REV=2009.03.31 7.0-9.00
Patch Status/ID:
PRESENT 124581-09
Product: Messaging Server Sun Cluster HA agent 7.0
Oracle Version: Not Found
Version: 7.0-0.03
ALTRoot: /
Basedir: /opt/sun/comms/msg_scha
Build Date: 20080519
getVersion UNAME: SunOS
getVersion ARCH: sparc
getVersion BITS: 32
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWmessaging-server-scha 7.0,REV=2008.05.19 7.0-0.03
Patch Status/ID:
No patches defined for this OS version
Product: Instant Messaging Sun Cluster HA agent 7.3
Oracle Version: Not Found
Version: 7.3-01.02
ALTRoot: /
Basedir: /opt/sun/comms/im_scha
Build Date: 20080403
getVersion UNAME: SunOS
getVersion ARCH: sparc
getVersion BITS: 32
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWiimsc 7.3,REV=2008.01.07.20.24.34 7.3-01
Patch Status/ID:
PRESENT 137571-01
Product: Contacts Server 8
Oracle Version: 8.0.0.0.0
Version: 8.0-0.52
ALTRoot: /
Basedir: /opt/sun/comms/nabserver
Build Date: 20140522
getVersion UNAME: SunOS
getVersion ARCH: sparc
getVersion BITS: 32
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWnabserver 8.0,REV=2014.05.22 8.0-0.52
Patch Status/ID:
No patches defined for this OS version
Product: NSPR/NSS/JSS 4.8.9
Oracle Version: Not Found
Version: 4.9.5
ALTRoot: /
Basedir: /
Build Date: Not Found
getVersion UNAME: Not Found

```

```

getVersion ARCH: Not Found
getVersion BITS: Not Found
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWpr 4.6.4,REV=2006.11.16.20.40 4.9.5
PRESENT SUNWprd 4.6.4,REV=2006.11.16.20.40 4.9.5
PRESENT SUNWtls 3.11.4,REV=2006.11.16.20.40 3.14.3
PRESENT SUNWtlsd 3.11.4,REV=2006.11.16.20.40 3.14.3
PRESENT SUNWtlsu 3.11.4,REV=2006.11.16.20.40 3.14.3
PRESENT SUNWjss 4.2.4,REV=2006.11.16.20.40 4.3.2
Patch Status/ID:
PRESENT 125358-15
Product: Simple Authentication and Security Layer 2.19
Oracle Version: Not Found
Version: 2.19
ALROOT: /
Basedir: /
Build Date: Not Found
getVersion UNAME: Not Found
getVersion ARCH: Not Found
getVersion BITS: Not Found
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWsas 2.17,REV=2004.04.06.15.24 2.19
Patch Status/ID:
PRESENT 119345-08
Product: LDAPCSK6 6.0
Oracle Version: Not Found
Version: 6.03
ALROOT: /
Basedir: /
Build Date: Not Found
getVersion UNAME: Not Found
getVersion ARCH: Not Found
getVersion BITS: Not Found
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWldapcsdk-libs 6.00,REV=2006.12.11.00.08 6.03
PRESENT SUNWldapcsdk-dev 6.00,REV=2006.12.11.00.08 6.03
Patch Status/ID:
No patches defined for this OS version
Product: LDAPCSK6 Tools 6.0
Oracle Version: Not Found
Version: 6.03
ALROOT: /
Basedir: /opt/SUNWdsee
Build Date: Not Found
getVersion UNAME: Not Found
getVersion ARCH: Not Found
getVersion BITS: Not Found
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWldapcsdk-tools 6.00,REV=2006.12.11.00.08 6.03
Patch Status/ID:
PRESENT 136798-03
Product: International Components for Unicode ICU2,ICU3

```

```

Oracle Version: Not Found
Version: 10/Generic
ALTRoot: /
Basedir: /usr
Build Date: Not Found
getVersion UNAME: Not Found
getVersion ARCH: Not Found
getVersion BITS: Not Found
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWicu 1.2,REV=2005.01.06.14.13 10/Generic
Patch Status/ID:
PRESENT 119810-07
Product: JDK 1.6.0
Oracle Version: Not Found
Version: 1.6.0_26/1.6.0_26-b03
ALTRoot: /
Basedir: /usr
Build Date: Not Found
getVersion UNAME: Not Found
getVersion ARCH: Not Found
getVersion BITS: Not Found
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWj6rt 1.6.0,REV=2006.11.29.05.57 1.6.0_26/1.6.0_26-b03
PRESENT SUNWj6rtx 1.6.0,REV=2006.11.29.04.58 1.6.0_26/1.6.0_26-b03
PRESENT SUNWj6dev 1.6.0,REV=2006.11.29.05.57 1.6.0_26/1.6.0_26-b03
PRESENT SUNWj6dvx 1.6.0,REV=2006.11.29.04.58 1.6.0_26/1.6.0_26-b03
PRESENT SUNWj6cfg 1.6.0,REV=2006.11.29.05.57 1.6.0_26/1.6.0_26-b03
Patch Status/ID:
NOT_PRESENT 125136-66
NOT_PRESENT 125137-66
Product: Java Help Runtime 2.0
Oracle Version: Not Found
Version: 2.0/FCS
ALTRoot: /
Basedir: /usr
Build Date: Not Found
getVersion UNAME: Not Found
getVersion ARCH: Not Found
getVersion BITS: Not Found
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWjhrt 2.0,REV=2006.10.31 2.0/FCS
PRESENT SUNWjhdev 2.0,REV=2006.10.04 2.0/FCS
PRESENT SUNWjhdem 2.0,REV=2006.10.04 2.0/FCS
PRESENT SUNWjhdoc 2.0,REV=2006.10.04 2.0/FCS
Patch Status/ID:
No patches defined for this OS version
Product: Message Queue 4.4
Oracle Version: Not Found
Version: 4.4.1.0
ALTRoot: /
Basedir: /
Build Date: Not Found
getVersion UNAME: Not Found

```

```

getVersion ARCH: Not Found
getVersion BITS: Not Found
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWiqr 4.4,REV=2009.08.27.08.32 4.4.1.0
PRESENT SUNWiqu 4.4,REV=2009.08.27.08.32 4.4.1.0
PRESENT SUNWiqdoc 4.4,REV=2009.08.27.08.32 4.4.0.0
PRESENT SUNWiquc 4.4,REV=2009.08.27.08.33 4.4.1.0
PRESENT SUNWiqum 4.4,REV=2009.08.27.08.33 4.4.1.0
PRESENT SUNWiqjx 4.4,REV=2009.08.27.08.33 4.4.1.0
PRESENT SUNWiqfs 4.4,REV=2009.08.27.08.33 4.4.0.0
PRESENT SUNWiqcrt 4.4,REV=2009.08.27.08.33 4.4.1.0
PRESENT SUNWiqcdv 4.4,REV=2009.08.27.08.33 4.4.1.0
PRESENT SUNWiqlen 4.4,REV=2009.08.27.08.33 4.4.1.0
Patch Status/ID:
No patches defined for this OS version
Product: Message Queue Localization 4.4
Oracle Version: Not Found
Version: 4.4.1.0
ALROOT: /
Basedir: /
Build Date: Not Found
getVersion UNAME: Not Found
getVersion ARCH: Not Found
getVersion BITS: Not Found
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWfiqu 4.4,REV=2009.10.01.09.42.14 4.4.1.0
PRESENT SUNWfiquc 4.4,REV=2009.10.01.09.42.16 4.4.1.0
PRESENT SUNWdiqu 4.4,REV=2009.10.01.09.42.59 4.4.1.0
PRESENT SUNWdiquc 4.4,REV=2009.10.01.09.43.03 4.4.1.0
PRESENT SUNWjiqu 4.4,REV=2009.10.01.09.45.16 4.4.1.0
PRESENT SUNWjiquc 4.4,REV=2009.10.01.09.45.18 4.4.1.0
PRESENT SUNWeiqu 4.4,REV=2009.10.01.09.43.44 4.4.1.0
PRESENT SUNWeiquc 4.4,REV=2009.10.01.09.43.47 4.4.1.0
PRESENT SUNWkiqu 4.4,REV=2009.10.01.09.44.30 4.4.1.0
PRESENT SUNWkiquc 4.4,REV=2009.10.01.09.44.32 4.4.1.0
PRESENT SUNWciqu 4.4,REV=2009.10.01.09.46.01 4.4.1.0
PRESENT SUNWciquc 4.4,REV=2009.10.01.09.46.03 4.4.1.0
PRESENT SUNWhiqu 4.4,REV=2009.10.01.09.46.48 4.4.1.0
PRESENT SUNWhiquc 4.4,REV=2009.10.01.09.46.50 4.4.1.0
Patch Status/ID:
No patches defined for this OS version
Product: Instant Messaging API 9u2
Oracle Version: Not Found
Version: 9.2-06.7
ALROOT: /
Basedir: /
Build Date: Not Found
getVersion UNAME: Not Found
getVersion ARCH: Not Found
getVersion BITS: Not Found
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWiimdvdv 9.0,REV=2011.09.05 9.2-06.7
Patch Status/ID:

```

```

PRESENT 148582-06
Product: Service Tags 1.1.4
Oracle Version: Not Found
Version: 1.1.4.1
ALROOT: /
Basedir: /
Build Date: Not Found
getVersion UNAME: Not Found
getVersion ARCH: Not Found
getVersion BITS: Not Found
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWservicetagr 1.1.4,REV=2008.03.21.07.54 1.1.4.1
PRESENT SUNWservicetagu 1.1.4,REV=2008.03.21.07.54 1.1.4.1
PRESENT SUNWstosreg 1.1.4,REV=2008.03.21.07.54 1.1.4.1
Patch Status/ID:
No patches defined for this OS version
Product: CommsInstaller 7u6
Oracle Version: 7.0.6.0.0
Version: 7.6-0.10
ALROOT: /
Basedir: /opt/sun/comms/CommsInstaller
Build Date: 20140701
getVersion UNAME: SunOS
getVersion ARCH: sparc
getVersion BITS: 32
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWcomms 7.6,REV=2014.07.01 7.6-0.10
Patch Status/ID:
No patches defined for this OS version
Product: LIBCPLUSPLUS 5.9
Oracle Version: Not Found
Version: 5.10
ALROOT: /
Basedir: /
Build Date: Not Found
getVersion UNAME: Not Found
getVersion ARCH: Not Found
getVersion BITS: Not Found
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWlibc 5.10,REV=2004.12.22 5.10
Patch Status/ID:
PRESENT 119963-27
Product: PATCHUTILS Unknown
Oracle Version: Not Found
Version: 5.10
ALROOT: /
Basedir: /
Build Date: Not Found
getVersion UNAME: Not Found
getVersion ARCH: Not Found
getVersion BITS: Not Found
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:

```



```

PRESENT SUNWpkgcmdsu 11.11,REV=2005.01.09.23.05 5.10
PRESENT SUNWswmt 11.10,REV=2005.01.10.17.19 5.10
PRESENT SUNWinstall-patch-utils-root 11.10,REV=2005.01.09.23.05 5.10
PRESENT SUNWcsr 11.10.0,REV=2005.01.21.15.53 5.10/Generic
PRESENT SUNWdtrc 11.10.0,REV=2005.01.21.15.53 5.10/Generic
PRESENT SUNWzoneu 11.10.0,REV=2005.01.21.15.53 5.10/Generic
Patch Status/ID:
PRESENT 120900-04
PRESENT 121133-02
PRESENT 119254-88
Product: BZIP OS Component 11.10
Oracle Version: Not Found
Version: 5.10/SunOS Development
ALTRoot: /
Basedir: /
Build Date: Not Found
getVersion UNAME: Not Found
getVersion ARCH: Not Found
getVersion BITS: Not Found
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWbzip 11.10.0,REV=2005.01.08.05.16 5.10/SunOS Development
Patch Status/ID:
PRESENT 126868-04
PRESENT 137321-01
Product: RECOMMENDED PATCH CLUSTER 2013.02.19
Oracle Version: Not Found
Version: 5.10/Generic
ALTRoot: /
Basedir: /
Build Date: Not Found
getVersion UNAME: Not Found
getVersion ARCH: Not Found
getVersion BITS: Not Found
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWckr 11.10.0,REV=2005.01.21.15.53 5.10/Generic
PRESENT SUNWbzip 11.10.0,REV=2005.01.08.05.16 5.10/SunOS Development
PRESENT SUNWpkgcmdsu 11.11,REV=2005.01.09.23.05 5.10
Patch Status/ID:
PRESENT 119254-88
PRESENT 120272-28
NOT_PRESENT 147147-26

```

```
[541 Fri Aug 08 18:11:30 root@host% /home/user/wspace/releases/ci76# ]
```

commpkg info altroot 7.0.6 Sample Session

commpkg info altroot 7.0.6 Sample Session

This sample session shows the output of `commpkg info` with an alternate root (altroot) installation for Communications Suite 7.0.6 products.

Topics:

- [Comments](#)
- [Summary of Commands Run](#)
- [Session](#)

Comments

- This shows the output of "commpkg info" for an altroot installation

Summary of Commands Run

```
547 uname -a
548 ./commpkg info
549 ./commpkg info --verbose
```

Session

```
[547 Fri Aug 08 18:15:29 root@host% /home/user/wspace/releases/ci76# ]
# uname -a
SunOS sc11152328 5.10 Generic_147440-12 sun4v sparc sun4v
[548 Fri Aug 08 18:15:37 root@host% /home/user/wspace/releases/ci76# ]
# ./commpkg info
-- LOGFILE: /tmp/CommsInstaller_20140808181540.log
CommsInstaller version 7.0.6.0.0 (7.6-0.10) built on Tue Jul 1 21:57:57
PDT 2014
=====
Detecting Installed Products...
Detecting Installed Patches...
NOTICE: The OS Recommended Patch Cluster (as of 2013.02.19)
has not been applied. Specifically the following
patches are missing:
147147-26
NOTICE: It is highly recommended that you apply the
latest OS Recommended Patch Cluster. commpkg will
not do this automatically.
ALTRoot: /
NAME: ""

=====
Detecting Installed Products...
Detecting Installed Patches...
NOTICE: The OS Recommended Patch Cluster (as of 2013.02.19)
has not been applied. Specifically the following
```

patches are missing:
147147-26
NOTICE: It is highly recommended that you apply the latest OS Recommended Patch Cluster. commpkg will not do this automatically.
ALROOT: /opt/altroot
NAME: <none>
Product: Messaging Server (64bit) 7u5 64bit
Oracle Version: 7.0.5.31.0
Version: 7.5-31.0
ALROOT: /opt/altroot
Basedir: /opt/altroot/messaging64
Build Date: 20140505
Product: Comms DSsetup 6.4
Oracle Version: 6.4.0.26.0
Version: 6.4-26.01
ALROOT: /opt/altroot
Basedir: /opt/altroot/dssetup
Build Date: 20140418
Product: Calendar Server 7u4
Oracle Version: 7.0.4.15.0
Version: 7.4-15.10
ALROOT: /opt/altroot
Basedir: /opt/altroot/davserver
Build Date: 20140425
Product: Instant Messaging 9u2 64bit
Oracle Version: 9.0.2.6.0
Version: 9.2-06.7
ALROOT: /opt/altroot
Basedir: /opt/altroot/im
Build Date: 20140625
Product: Convergence 3
Oracle Version: 3.0.0.1.0
Version: 3.0-1.0022
ALROOT: /opt/altroot
Basedir: /opt/altroot/iwc
Build Date: 20140630
Product: Indexing and Search Service 1u5
Oracle Version: 1.0.5.22.0
Version: 1.5-22.11300
ALROOT: /opt/altroot
Basedir: /opt/altroot/jiss
Build Date: 20140528
Product: Comms Delegated Administrator 7
Oracle Version: 7.0.0.9.0
Version: 7.0-9.00
ALROOT: /opt/altroot
Basedir: /opt/altroot/da
Build Date: 20140106
Product: Messaging Server Sun Cluster HA agent 7.0
Oracle Version: Not Found
Version: 7.0-0.03
ALROOT: /opt/altroot
Basedir: /opt/altroot/msg_scha
Build Date: 20080519
Product: Instant Messaging Sun Cluster HA agent 7.3

```

Oracle Version: Not Found
Version: 7.3-01.02
ALTRoot: /opt/altroot
Basedir: /opt/altroot/im_scha
Build Date: 20080403
Product: Contacts Server 8
Oracle Version: 8.0.0.0.0
Version: 8.0-0.52
ALTRoot: /opt/altroot
Basedir: /opt/altroot/nabserver
Build Date: 20140522

[549 Fri Aug 08 18:15:51 root@host% /home/user/wspace/releases/ci76# ]
# ./commpkg info --verbose
-- LOGFILE: /tmp/CommsInstaller_20140808181555.log
CommsInstaller version 7.0.6.0.0 (7.6-0.10) built on Tue Jul 1 21:57:57
PDT 2014
=====
Detecting Installed Products...
Detecting Installed Patches...
NOTICE: The OS Recommended Patch Cluster (as of 2013.02.19)
has not been applied. Specifically the following
patches are missing:
147147-26
NOTICE: It is highly recommended that you apply the
latest OS Recommended Patch Cluster. compkg will
not do this automatically.
ALTRoot: /
NAME: ""

=====
Detecting Installed Products...
Detecting Installed Patches...
NOTICE: The OS Recommended Patch Cluster (as of 2013.02.19)
has not been applied. Specifically the following
patches are missing:
147147-26
NOTICE: It is highly recommended that you apply the
latest OS Recommended Patch Cluster. compkg will
not do this automatically.
ALTRoot: /opt/altroot
NAME: <none>
Product: Messaging Server (64bit) 7u5 64bit
Oracle Version: 7.0.5.31.0
Version: 7.5-31.0
ALTRoot: /opt/altroot
Basedir: /opt/altroot/messaging64
Build Date: 20140505
getVersion UNAME: SunOS
getVersion ARCH: sparc
getVersion BITS: 64
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWmessaging-server-64 7.0,REV=2008.06.20 7.5-31.0
Patch Status/ID:
PRESENT 137204-31

```

```

Product: Comms DSsetup 6.4
Oracle Version: 6.4.0.26.0
Version: 6.4-26.01
ALTRoot: /opt/altroot
Basedir: /opt/altroot/dssetup
Build Date: 20140418
getVersion UNAME: SunOS
getVersion ARCH: sparc
getVersion BITS: 32
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWcomds 6.3,REV=2004.08.12 6.4-26.01
Patch Status/ID:
PRESENT 118242-03
PRESENT 118245-26
Product: Calendar Server 7u4
Oracle Version: 7.0.4.15.0
Version: 7.4-15.10
ALTRoot: /opt/altroot
Basedir: /opt/altroot/davserver
Build Date: 20140425
getVersion UNAME: SunOS
getVersion ARCH: sparc
getVersion BITS: 32
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWdavserver 7.0,REV=2009.08.27 7.4-15.10
Patch Status/ID:
PRESENT 142785-15
Product: Instant Messaging 9u2 64bit
Oracle Version: 9.0.2.6.0
Version: 9.2-06.7
ALTRoot: /opt/altroot
Basedir: /opt/altroot/im
Build Date: 20140625
getVersion UNAME: SunOS
getVersion ARCH: sparc
getVersion BITS: 64
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWiimin 9.0,REV=2011.09.05 9.2-06.7
PRESENT SUNWiim 9.0,REV=2011.09.05 9.2-06.7
PRESENT SUNWiimm 9.0,REV=2011.09.05 9.2-06.7
PRESENT SUNWiimjd 9.0,REV=2011.09.05 9.2-06.7
PRESENT SUNWiimid 9.0,REV=2011.09.05 9.2-06.7
PRESENT SUNWiimgw 9.0,REV=2011.09.05 9.2-06.7
PRESENT SUNWiimw 9.0,REV=2011.09.05 9.2-06.7
PRESENT SUNWiimfed 9.0,REV=2011.09.05 9.2-06.7
Patch Status/ID:
PRESENT 148579-06
Product: Convergence 3
Oracle Version: 3.0.0.1.0
Version: 3.0-1.0022
ALTRoot: /opt/altroot
Basedir: /opt/altroot/iwc
Build Date: 20140630

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getVersion UNAME: SunOS
getVersion ARCH: sparc
getVersion BITS: 32
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWiwc 3.0,REV=2014.06.30 3.0-1.0022
Patch Status/ID:
No patches defined for this OS version
Product: Indexing and Search Service 1u5
Oracle Version: 1.0.5.22.0
Version: 1.5-22.11300
ALROOT: /opt/altroot
Basedir: /opt/altroot/jiss
Build Date: 20140528
getVersion UNAME: SunOS
getVersion ARCH: all
getVersion BITS: 32
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWjiss 1.0,REV=2009.09.09 1.5-22.11300
Patch Status/ID:
PRESENT 142824-22
Product: Comms Delegated Administrator 7
Oracle Version: 7.0.0.9.0
Version: 7.0-9.00
ALROOT: /opt/altroot
Basedir: /opt/altroot/da
Build Date: 20140106
getVersion UNAME: SunOS
getVersion ARCH: sparc
getVersion BITS: 32
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWcommda 7.0,REV=2009.03.31 7.0-9.00
Patch Status/ID:
PRESENT 124581-09
Product: Messaging Server Sun Cluster HA agent 7.0
Oracle Version: Not Found
Version: 7.0-0.03
ALROOT: /opt/altroot
Basedir: /opt/altroot/msg_scha
Build Date: 20080519
getVersion UNAME: SunOS
getVersion ARCH: sparc
getVersion BITS: 32
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWmessaging-server-scha 7.0,REV=2008.05.19 7.0-0.03
Patch Status/ID:
No patches defined for this OS version
Product: Instant Messaging Sun Cluster HA agent 7.3
Oracle Version: Not Found
Version: 7.3-01.02
ALROOT: /opt/altroot
Basedir: /opt/altroot/im_scha
Build Date: 20080403

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getVersion UNAME: SunOS
getVersion ARCH: sparc
getVersion BITS: 32
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWiimsc 7.3,REV=2008.01.07.20.24.34 7.3-01
Patch Status/ID:
PRESENT 137571-01
Product: Contacts Server 8
Oracle Version: 8.0.0.0.0
Version: 8.0-0.52
ALROOT: /opt/altroot
Basedir: /opt/altroot/nabserver
Build Date: 20140522
getVersion UNAME: SunOS
getVersion ARCH: sparc
getVersion BITS: 32
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWnabserver 8.0,REV=2014.05.22 8.0-0.52
Patch Status/ID:
No patches defined for this OS version

[550 Fri Aug 08 18:16:07 root@host% /home/user/wspace/releases/ci76# ]
# ./commpkg info --verbose --includeSC --includeOS
-- LOGFILE: /tmp/CommsInstaller_20140808181637.log
CommsInstaller version 7.0.6.0.0 (7.6-0.10) built on Tue Jul 1 21:57:57
PDT 2014
=====
Detecting Installed Products...
Detecting Installed Patches...
NOTICE: The OS Recommended Patch Cluster (as of 2013.02.19)
has not been applied. Specifically the following
patches are missing:
147147-26
NOTICE: It is highly recommended that you apply the
latest OS Recommended Patch Cluster. commpkg will
not do this automatically.
ALROOT: /
NAME: ""
Product: NSPR/NSS/JSS 4.8.9
Oracle Version: Not Found
Version: 4.9.5
ALROOT: /
Basedir: /
Build Date: Not Found
getVersion UNAME: Not Found
getVersion ARCH: Not Found
getVersion BITS: Not Found
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWpr 4.6.4,REV=2006.11.16.20.40 4.9.5
PRESENT SUNWprd 4.6.4,REV=2006.11.16.20.40 4.9.5
PRESENT SUNWtls 3.11.4,REV=2006.11.16.20.40 3.14.3
PRESENT SUNWtlsd 3.11.4,REV=2006.11.16.20.40 3.14.3
PRESENT SUNWtlsu 3.11.4,REV=2006.11.16.20.40 3.14.3

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PRESENT SUNWjss 4.2.4,REV=2006.11.16.20.40 4.3.2
Patch Status/ID:
PRESENT 125358-15
Product: Simple Authentication and Security Layer 2.19
Oracle Version: Not Found
Version: 2.19
ALTRoot: /
Basedir: /
Build Date: Not Found
getVersion UNAME: Not Found
getVersion ARCH: Not Found
getVersion BITS: Not Found
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWsas1 2.17,REV=2004.04.06.15.24 2.19
Patch Status/ID:
PRESENT 119345-08
Product: LDAPCSDK6 6.0
Oracle Version: Not Found
Version: 6.03
ALTRoot: /
Basedir: /
Build Date: Not Found
getVersion UNAME: Not Found
getVersion ARCH: Not Found
getVersion BITS: Not Found
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWldapcsdk-libs 6.00,REV=2006.12.11.00.08 6.03
PRESENT SUNWldapcsdk-dev 6.00,REV=2006.12.11.00.08 6.03
Patch Status/ID:
No patches defined for this OS version
Product: LDAPCSDK6 Tools 6.0
Oracle Version: Not Found
Version: 6.03
ALTRoot: /
Basedir: /opt/SUNWdsee
Build Date: Not Found
getVersion UNAME: Not Found
getVersion ARCH: Not Found
getVersion BITS: Not Found
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWldapcsdk-tools 6.00,REV=2006.12.11.00.08 6.03
Patch Status/ID:
PRESENT 136798-03
Product: International Components for Unicode ICU2,ICU3
Oracle Version: Not Found
Version: 10/Generic
ALTRoot: /
Basedir: /usr
Build Date: Not Found
getVersion UNAME: Not Found
getVersion ARCH: Not Found
getVersion BITS: Not Found
Product Installation Status: PRESENT

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Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWicu 1.2,REV=2005.01.06.14.13 10/Generic
Patch Status/ID:
PRESENT 119810-07
Product: JDK 1.6.0
Oracle Version: Not Found
Version: 1.6.0_26/1.6.0_26-b03
ALTR00T: /
Basedir: /usr
Build Date: Not Found
getVersion UNAME: Not Found
getVersion ARCH: Not Found
getVersion BITS: Not Found
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWj6rt 1.6.0,REV=2006.11.29.05.57 1.6.0_26/1.6.0_26-b03
PRESENT SUNWj6rtx 1.6.0,REV=2006.11.29.04.58 1.6.0_26/1.6.0_26-b03
PRESENT SUNWj6dev 1.6.0,REV=2006.11.29.05.57 1.6.0_26/1.6.0_26-b03
PRESENT SUNWj6dvx 1.6.0,REV=2006.11.29.04.58 1.6.0_26/1.6.0_26-b03
PRESENT SUNWj6cfg 1.6.0,REV=2006.11.29.05.57 1.6.0_26/1.6.0_26-b03
Patch Status/ID:
NOT_PRESENT 125136-66
NOT_PRESENT 125137-66
Product: Java Help Runtime 2.0
Oracle Version: Not Found
Version: 2.0/FCS
ALTR00T: /
Basedir: /usr
Build Date: Not Found
getVersion UNAME: Not Found
getVersion ARCH: Not Found
getVersion BITS: Not Found
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWjhrt 2.0,REV=2006.10.31 2.0/FCS
PRESENT SUNWjhdev 2.0,REV=2006.10.04 2.0/FCS
PRESENT SUNWjhdem 2.0,REV=2006.10.04 2.0/FCS
PRESENT SUNWjhdoc 2.0,REV=2006.10.04 2.0/FCS
Patch Status/ID:
No patches defined for this OS version
Product: Message Queue 4.4
Oracle Version: Not Found
Version: 4.4.1.0
ALTR00T: /
Basedir: /
Build Date: Not Found
getVersion UNAME: Not Found
getVersion ARCH: Not Found
getVersion BITS: Not Found
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWiqr 4.4,REV=2009.08.27.08.32 4.4.1.0
PRESENT SUNWiqu 4.4,REV=2009.08.27.08.32 4.4.1.0
PRESENT SUNWiqdoc 4.4,REV=2009.08.27.08.32 4.4.0.0
PRESENT SUNWiquc 4.4,REV=2009.08.27.08.33 4.4.1.0
PRESENT SUNWiqum 4.4,REV=2009.08.27.08.33 4.4.1.0

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PRESENT SUNWiqjx 4.4,REV=2009.08.27.08.33 4.4.1.0
PRESENT SUNWiqfs 4.4,REV=2009.08.27.08.33 4.4.0.0
PRESENT SUNWiqcrt 4.4,REV=2009.08.27.08.33 4.4.1.0
PRESENT SUNWiqcdv 4.4,REV=2009.08.27.08.33 4.4.1.0
PRESENT SUNWiqlen 4.4,REV=2009.08.27.08.33 4.4.1.0
Patch Status/ID:
No patches defined for this OS version
Product: Message Queue Localization 4.4
Oracle Version: Not Found
Version: 4.4.1.0
ALTR00T: /
Basedir: /
Build Date: Not Found
getVersion UNAME: Not Found
getVersion ARCH: Not Found
getVersion BITS: Not Found
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWfiqu 4.4,REV=2009.10.01.09.42.14 4.4.1.0
PRESENT SUNWfiquc 4.4,REV=2009.10.01.09.42.16 4.4.1.0
PRESENT SUNWdiqu 4.4,REV=2009.10.01.09.42.59 4.4.1.0
PRESENT SUNWdiquc 4.4,REV=2009.10.01.09.43.03 4.4.1.0
PRESENT SUNWjiqu 4.4,REV=2009.10.01.09.45.16 4.4.1.0
PRESENT SUNWjiquc 4.4,REV=2009.10.01.09.45.18 4.4.1.0
PRESENT SUNWeiQU 4.4,REV=2009.10.01.09.43.44 4.4.1.0
PRESENT SUNWeiQUc 4.4,REV=2009.10.01.09.43.47 4.4.1.0
PRESENT SUNWkiQU 4.4,REV=2009.10.01.09.44.30 4.4.1.0
PRESENT SUNWkiQUc 4.4,REV=2009.10.01.09.44.32 4.4.1.0
PRESENT SUNWciQU 4.4,REV=2009.10.01.09.46.01 4.4.1.0
PRESENT SUNWciQUc 4.4,REV=2009.10.01.09.46.03 4.4.1.0
PRESENT SUNWhiQU 4.4,REV=2009.10.01.09.46.48 4.4.1.0
PRESENT SUNWhiQUc 4.4,REV=2009.10.01.09.46.50 4.4.1.0
Patch Status/ID:
No patches defined for this OS version
Product: Instant Messaging API 9u2
Oracle Version: Not Found
Version: 9.2-06.7
ALTR00T: /
Basedir: /
Build Date: Not Found
getVersion UNAME: Not Found
getVersion ARCH: Not Found
getVersion BITS: Not Found
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWiimdV 9.0,REV=2011.09.05 9.2-06.7
Patch Status/ID:
PRESENT 148582-06
Product: Service Tags 1.1.4
Oracle Version: Not Found
Version: 1.1.4.1
ALTR00T: /
Basedir: /
Build Date: Not Found
getVersion UNAME: Not Found
getVersion ARCH: Not Found

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getVersion BITS: Not Found
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWservicetagr 1.1.4,REV=2008.03.21.07.54 1.1.4.1
PRESENT SUNWservicetagu 1.1.4,REV=2008.03.21.07.54 1.1.4.1
PRESENT SUNWstosreg 1.1.4,REV=2008.03.21.07.54 1.1.4.1
Patch Status/ID:
No patches defined for this OS version
Product: CommsInstaller 7u6
Oracle Version: 7.0.6.0.0
Version: 7.6-0.10
ALTR00T: /
Basedir: /opt/sun/comms/CommsInstaller
Build Date: 20140701
getVersion UNAME: SunOS
getVersion ARCH: sparc
getVersion BITS: 32
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWcomms 7.6,REV=2014.07.01 7.6-0.10
Patch Status/ID:
No patches defined for this OS version
Product: LIBCPLUSPLUS 5.9
Oracle Version: Not Found
Version: 5.10
ALTR00T: /
Basedir: /
Build Date: Not Found
getVersion UNAME: Not Found
getVersion ARCH: Not Found
getVersion BITS: Not Found
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWlibc 5.10,REV=2004.12.22 5.10
Patch Status/ID:
PRESENT 119963-27
Product: PATCHUTILS Unknown
Oracle Version: Not Found
Version: 5.10
ALTR00T: /
Basedir: /
Build Date: Not Found
getVersion UNAME: Not Found
getVersion ARCH: Not Found
getVersion BITS: Not Found
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWpkgcmdsdu 11.11,REV=2005.01.09.23.05 5.10
PRESENT SUNWswmt 11.10,REV=2005.01.10.17.19 5.10
PRESENT SUNWinstall-patch-utils-root 11.10,REV=2005.01.09.23.05 5.10
PRESENT SUNWcsr 11.10.0,REV=2005.01.21.15.53 5.10/Generic
PRESENT SUNWdtrc 11.10.0,REV=2005.01.21.15.53 5.10/Generic
PRESENT SUNWzoneu 11.10.0,REV=2005.01.21.15.53 5.10/Generic
Patch Status/ID:
PRESENT 120900-04
PRESENT 121133-02

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PRESENT 119254-88
Product: BZIP OS Component 11.10
Oracle Version: Not Found
Version: 5.10/SunOS Development
ALROOT: /
Basedir: /
Build Date: Not Found
getVersion UNAME: Not Found
getVersion ARCH: Not Found
getVersion BITS: Not Found
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWbzip 11.10.0,REV=2005.01.08.05.16 5.10/SunOS Development
Patch Status/ID:
PRESENT 126868-04
PRESENT 137321-01
Product: RECOMMENDED PATCH CLUSTER 2013.02.19
Oracle Version: Not Found
Version: 5.10/Generic
ALROOT: /
Basedir: /
Build Date: Not Found
getVersion UNAME: Not Found
getVersion ARCH: Not Found
getVersion BITS: Not Found
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWckr 11.10.0,REV=2005.01.21.15.53 5.10/Generic
PRESENT SUNWbzip 11.10.0,REV=2005.01.08.05.16 5.10/SunOS Development
PRESENT SUNWpkgcmdsu 11.11,REV=2005.01.09.23.05 5.10
Patch Status/ID:
PRESENT 119254-88
PRESENT 120272-28
NOT_PRESENT 147147-26

```

```

=====
Detecting Installed Products...
Detecting Installed Patches...
NOTICE: The OS Recommended Patch Cluster (as of 2013.02.19)
has not been applied. Specifically the following
patches are missing:
147147-26
NOTICE: It is highly recommended that you apply the
latest OS Recommended Patch Cluster. commpkg will
not do this automatically.
ALROOT: /opt/altroot
NAME: <none>
Product: Messaging Server (64bit) 7u5 64bit
Oracle Version: 7.0.5.31.0
Version: 7.5-31.0
ALROOT: /opt/altroot
Basedir: /opt/altroot/messaging64
Build Date: 20140505
getVersion UNAME: SunOS
getVersion ARCH: sparc
getVersion BITS: 64

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Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWmessaging-server-64 7.0,REV=2008.06.20 7.5-31.0
Patch Status/ID:
PRESENT 137204-31
Product: Comms DSsetup 6.4
Oracle Version: 6.4.0.26.0
Version: 6.4-26.01
ALROOT: /opt/altroot
Basedir: /opt/altroot/dssetup
Build Date: 20140418
getVersion UNAME: SunOS
getVersion ARCH: sparc
getVersion BITS: 32
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWcomds 6.3,REV=2004.08.12 6.4-26.01
Patch Status/ID:
PRESENT 118242-03
PRESENT 118245-26
Product: Calendar Server 7u4
Oracle Version: 7.0.4.15.0
Version: 7.4-15.10
ALROOT: /opt/altroot
Basedir: /opt/altroot/davserver
Build Date: 20140425
getVersion UNAME: SunOS
getVersion ARCH: sparc
getVersion BITS: 32
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWdavserver 7.0,REV=2009.08.27 7.4-15.10
Patch Status/ID:
PRESENT 142785-15
Product: Instant Messaging 9u2 64bit
Oracle Version: 9.0.2.6.0
Version: 9.2-06.7
ALROOT: /opt/altroot
Basedir: /opt/altroot/im
Build Date: 20140625
getVersion UNAME: SunOS
getVersion ARCH: sparc
getVersion BITS: 64
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWiimin 9.0,REV=2011.09.05 9.2-06.7
PRESENT SUNWiim 9.0,REV=2011.09.05 9.2-06.7
PRESENT SUNWiimm 9.0,REV=2011.09.05 9.2-06.7
PRESENT SUNWiimjd 9.0,REV=2011.09.05 9.2-06.7
PRESENT SUNWiimid 9.0,REV=2011.09.05 9.2-06.7
PRESENT SUNWiimgw 9.0,REV=2011.09.05 9.2-06.7
PRESENT SUNWiimw 9.0,REV=2011.09.05 9.2-06.7
PRESENT SUNWiimfed 9.0,REV=2011.09.05 9.2-06.7
Patch Status/ID:
PRESENT 148579-06
Product: Convergence 3

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Oracle Version: 3.0.0.1.0
Version: 3.0-1.0022
ALROOT: /opt/altroot
Basedir: /opt/altroot/iwc
Build Date: 20140630
getVersion UNAME: SunOS
getVersion ARCH: sparc
getVersion BITS: 32
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWiwc 3.0,REV=2014.06.30 3.0-1.0022
Patch Status/ID:
No patches defined for this OS version
Product: Indexing and Search Service 1u5
Oracle Version: 1.0.5.22.0
Version: 1.5-22.11300
ALROOT: /opt/altroot
Basedir: /opt/altroot/jiss
Build Date: 20140528
getVersion UNAME: SunOS
getVersion ARCH: all
getVersion BITS: 32
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWjiss 1.0,REV=2009.09.09 1.5-22.11300
Patch Status/ID:
PRESENT 142824-22
Product: Comms Delegated Administrator 7
Oracle Version: 7.0.0.9.0
Version: 7.0-9.00
ALROOT: /opt/altroot
Basedir: /opt/altroot/da
Build Date: 20140106
getVersion UNAME: SunOS
getVersion ARCH: sparc
getVersion BITS: 32
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWcommda 7.0,REV=2009.03.31 7.0-9.00
Patch Status/ID:
PRESENT 124581-09
Product: Messaging Server Sun Cluster HA agent 7.0
Oracle Version: Not Found
Version: 7.0-0.03
ALROOT: /opt/altroot
Basedir: /opt/altroot/msg_scha
Build Date: 20080519
getVersion UNAME: SunOS
getVersion ARCH: sparc
getVersion BITS: 32
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWmessaging-server-scha 7.0,REV=2008.05.19 7.0-0.03
Patch Status/ID:
No patches defined for this OS version
Product: Instant Messaging Sun Cluster HA agent 7.3

```

```

Oracle Version: Not Found
Version: 7.3-01.02
ALROOT: /opt/altroot
Basedir: /opt/altroot/im_scha
Build Date: 20080403
getVersion UNAME: SunOS
getVersion ARCH: sparc
getVersion BITS: 32
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWiimsc 7.3,REV=2008.01.07.20.24.34 7.3-01
Patch Status/ID:
PRESENT 137571-01
Product: Contacts Server 8
Oracle Version: 8.0.0.0.0
Version: 8.0-0.52
ALROOT: /opt/altroot
Basedir: /opt/altroot/nabserver
Build Date: 20140522
getVersion UNAME: SunOS
getVersion ARCH: sparc
getVersion BITS: 32
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNwnabserver 8.0,REV=2014.05.22 8.0-0.52
Patch Status/ID:
No patches defined for this OS version
Product: NSPR/NSS/JSS 4.8.9
Oracle Version: Not Found
Version: 4.8.9
ALROOT: /opt/altroot
Basedir: /opt/altroot/
Build Date: Not Found
getVersion UNAME: Not Found
getVersion ARCH: Not Found
getVersion BITS: Not Found
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWpr 4.6.4,REV=2006.11.16.20.40 4.8.9
PRESENT SUNWprd 4.6.4,REV=2006.11.16.20.40 4.8.9
PRESENT SUNWtls 3.11.4,REV=2006.11.16.20.40 3.13.1
PRESENT SUNWtlsd 3.11.4,REV=2006.11.16.20.40 3.13.1
PRESENT SUNWtlsu 3.11.4,REV=2006.11.16.20.40 3.13.1
PRESENT SUNWjss 4.2.4,REV=2006.11.16.20.40 4.3.2
Patch Status/ID:
PRESENT 125358-15
Product: Simple Authentication and Security Layer 2.19
Oracle Version: Not Found
Version: 2.19
ALROOT: /opt/altroot
Basedir: /opt/altroot/
Build Date: Not Found
getVersion UNAME: Not Found
getVersion ARCH: Not Found
getVersion BITS: Not Found
Product Installation Status: PRESENT

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```

Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWsas1 2.17,REV=2004.04.06.15.24 2.19
Patch Status/ID:
PRESENT 119345-08
Product: LDAPCSKD6 6.0
Oracle Version: Not Found
Version: 6.03
ALROOT: /opt/altroot
Basedir: /opt/altroot/
Build Date: Not Found
getVersion UNAME: Not Found
getVersion ARCH: Not Found
getVersion BITS: Not Found
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWldapcsdk-libs 6.00,REV=2006.12.11.00.08 6.03
PRESENT SUNWldapcsdk-dev 6.00,REV=2006.12.11.00.08 6.03
Patch Status/ID:
No patches defined for this OS version
Product: LDAPCSKD6 Tools 6.0
Oracle Version: Not Found
Version: 6.03
ALROOT: /opt/altroot
Basedir: /opt/altroot/directory
Build Date: Not Found
getVersion UNAME: Not Found
getVersion ARCH: Not Found
getVersion BITS: Not Found
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWldapcsdk-tools 6.00,REV=2006.12.11.00.08 6.03
Patch Status/ID:
PRESENT 136798-03
Product: International Components for Unicode ICU2,ICU3
Oracle Version: Not Found
Version: 10/Generic
ALROOT: /opt/altroot
Basedir: /opt/altroot/usr
Build Date: Not Found
getVersion UNAME: Not Found
getVersion ARCH: Not Found
getVersion BITS: Not Found
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWicu 1.2,REV=2005.01.06.14.13 10/Generic
Patch Status/ID:
NOT_PRESENT 119810-07
Product: Java Help Runtime 2.0
Oracle Version: Not Found
Version: 2.0/FCS
ALROOT: /opt/altroot
Basedir: /opt/altroot/usr
Build Date: Not Found
getVersion UNAME: Not Found
getVersion ARCH: Not Found
getVersion BITS: Not Found

```

```

Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWjhrt 2.0,REV=2006.10.31 2.0/FCS
PRESENT SUNWjhdev 2.0,REV=2006.10.04 2.0/FCS
PRESENT SUNWjhdem 2.0,REV=2006.10.04 2.0/FCS
PRESENT SUNWjhdoc 2.0,REV=2006.10.04 2.0/FCS
Patch Status/ID:
No patches defined for this OS version
Product: Message Queue 4.4
Oracle Version: Not Found
Version: 4.4.1.0
ALROOT: /opt/altroot
Basedir: /opt/altroot/
Build Date: Not Found
getVersion UNAME: Not Found
getVersion ARCH: Not Found
getVersion BITS: Not Found
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWiqr 4.4,REV=2009.08.27.08.32 4.4.1.0
PRESENT SUNWiqu 4.4,REV=2009.08.27.08.32 4.4.1.0
PRESENT SUNWiqdoc 4.4,REV=2009.08.27.08.32 4.4.0.0
PRESENT SUNWiquc 4.4,REV=2009.08.27.08.33 4.4.1.0
PRESENT SUNWiqum 4.4,REV=2009.08.27.08.33 4.4.1.0
PRESENT SUNWiqjx 4.4,REV=2009.08.27.08.33 4.4.1.0
PRESENT SUNWiqfs 4.4,REV=2009.08.27.08.33 4.4.0.0
PRESENT SUNWiqcrt 4.4,REV=2009.08.27.08.33 4.4.1.0
PRESENT SUNWiqcdv 4.4,REV=2009.08.27.08.33 4.4.1.0
PRESENT SUNWiqlen 4.4,REV=2009.08.27.08.33 4.4.1.0
Patch Status/ID:
No patches defined for this OS version
Product: Message Queue Localization 4.4
Oracle Version: Not Found
Version: 4.4.1.0
ALROOT: /opt/altroot
Basedir: /opt/altroot/
Build Date: Not Found
getVersion UNAME: Not Found
getVersion ARCH: Not Found
getVersion BITS: Not Found
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWfiqu 4.4,REV=2009.10.01.09.42.14 4.4.1.0
PRESENT SUNWfiquc 4.4,REV=2009.10.01.09.42.16 4.4.1.0
PRESENT SUNWdiqu 4.4,REV=2009.10.01.09.42.59 4.4.1.0
PRESENT SUNWdiquc 4.4,REV=2009.10.01.09.43.03 4.4.1.0
PRESENT SUNWjiqu 4.4,REV=2009.10.01.09.45.16 4.4.1.0
PRESENT SUNWjiquc 4.4,REV=2009.10.01.09.45.18 4.4.1.0
PRESENT SUNWeiqu 4.4,REV=2009.10.01.09.43.44 4.4.1.0
PRESENT SUNWeiquc 4.4,REV=2009.10.01.09.43.47 4.4.1.0
PRESENT SUNWkiqu 4.4,REV=2009.10.01.09.44.30 4.4.1.0
PRESENT SUNWkiquc 4.4,REV=2009.10.01.09.44.32 4.4.1.0
PRESENT SUNWciqu 4.4,REV=2009.10.01.09.46.01 4.4.1.0
PRESENT SUNWciquc 4.4,REV=2009.10.01.09.46.03 4.4.1.0
PRESENT SUNWhiqu 4.4,REV=2009.10.01.09.46.48 4.4.1.0
PRESENT SUNWhiquc 4.4,REV=2009.10.01.09.46.50 4.4.1.0

```

```

Patch Status/ID:
No patches defined for this OS version
Product: Instant Messaging API 9u2
Oracle Version: Not Found
Version: 9.2-06.7
ALROOT: /opt/altroot
Basedir: /opt/altroot/
Build Date: Not Found
getVersion UNAME: Not Found
getVersion ARCH: Not Found
getVersion BITS: Not Found
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWiimdv 9.0,REV=2011.09.05 9.2-06.7
Patch Status/ID:
PRESENT 148582-06
Product: Service Tags 1.1.4
Oracle Version: Not Found
Version: 1.1.4.1
ALROOT: /
Basedir: /
Build Date: Not Found
getVersion UNAME: Not Found
getVersion ARCH: Not Found
getVersion BITS: Not Found
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWservicetagr 1.1.4,REV=2008.03.21.07.54 1.1.4.1
PRESENT SUNWservicetagu 1.1.4,REV=2008.03.21.07.54 1.1.4.1
PRESENT SUNWstosreg 1.1.4,REV=2008.03.21.07.54 1.1.4.1
Patch Status/ID:
No patches defined for this OS version
Product: CommsInstaller 7u6
Oracle Version: 7.0.6.0.0
Version: 7.6-0.10
ALROOT: /opt/altroot
Basedir: /opt/altroot/CommsInstaller
Build Date: 20140701
getVersion UNAME: SunOS
getVersion ARCH: sparc
getVersion BITS: 32
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWcomms 7.6,REV=2014.07.01 7.6-0.10
Patch Status/ID:
No patches defined for this OS version
Product: LIBCPLUSPLUS 5.9
Oracle Version: Not Found
Version: 5.10
ALROOT: /
Basedir: /
Build Date: Not Found
getVersion UNAME: Not Found
getVersion ARCH: Not Found
getVersion BITS: Not Found
Product Installation Status: PRESENT

```

```

Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWlibc 5.10,REV=2004.12.22 5.10
Patch Status/ID:
PRESENT 119963-27
Product: PATCHUTILS Unknown
Oracle Version: Not Found
Version: 5.10
ALTRoot: /
Basedir: /
Build Date: Not Found
getVersion UNAME: Not Found
getVersion ARCH: Not Found
getVersion BITS: Not Found
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWpkgcmdsu 11.11,REV=2005.01.09.23.05 5.10
PRESENT SUNWswmt 11.10,REV=2005.01.10.17.19 5.10
PRESENT SUNWinstall-patch-utils-root 11.10,REV=2005.01.09.23.05 5.10
PRESENT SUNWcsr 11.10.0,REV=2005.01.21.15.53 5.10/Generic
PRESENT SUNWdtrc 11.10.0,REV=2005.01.21.15.53 5.10/Generic
PRESENT SUNWzoneu 11.10.0,REV=2005.01.21.15.53 5.10/Generic
Patch Status/ID:
PRESENT 120900-04
PRESENT 121133-02
PRESENT 119254-88
Product: BZIP OS Component 11.10
Oracle Version: Not Found
Version: 5.10/SunOS Development
ALTRoot: /
Basedir: /
Build Date: Not Found
getVersion UNAME: Not Found
getVersion ARCH: Not Found
getVersion BITS: Not Found
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWbzip 11.10.0,REV=2005.01.08.05.16 5.10/SunOS Development
Patch Status/ID:
PRESENT 126868-04
PRESENT 137321-01
Product: RECOMMENDED PATCH CLUSTER 2013.02.19
Oracle Version: Not Found
Version: 5.10/Generic
ALTRoot: /
Basedir: /
Build Date: Not Found
getVersion UNAME: Not Found
getVersion ARCH: Not Found
getVersion BITS: Not Found
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWckr 11.10.0,REV=2005.01.21.15.53 5.10/Generic
PRESENT SUNWbzip 11.10.0,REV=2005.01.08.05.16 5.10/SunOS Development
PRESENT SUNWpkgcmdsu 11.11,REV=2005.01.09.23.05 5.10
Patch Status/ID:
PRESENT 119254-88

```

PRESENT 120272-28
NOT_PRESENT 147147-26

```
[551 Fri Aug 08 18:16:51 root@host% /home/user/wspace/releases/ci76# ]
```

commpkg install 7.0.6 Usage

commpkg install 7.0.6 Usage

This information describes how to use the `commpkg install` command.

Topics:

- [About the commpkg install Command](#)
- [commpkg install Command Syntax](#)
- [commpkg install Command Options](#)

About the commpkg install Command

The `commpkg install` command enables you to install the Communications Suite products and shared components.

The `install` sub-command installs the Communications Suite component software on your machine but does not configure these components. After software installation, you run the product-specific configure command. For more information, see [Communications Suite 7.0.6 Initial Configuration](#).

To use the command, as superuser (`root`), run `commpkg install`. "Power user" options are available for more complicated installation scenarios.



Tip

Installing Only Shared Components: To install just the shared components for a component product, launch the Communications Suite installer then prefix your product selection with a tilde (~). For example, to install only the shared components for Messaging Server 64-bit, at the Product Selection prompt, you would type `~1`. You can type multiple selections by using a comma to separate your entries.

For a sample installation and uninstallation, see: [Sample Session - Communications Suite 7.0.6 Simple Install and Uninstall](#).

commpkg install Command Syntax

```
commpkg [general options] install [install options] [ALTROOT | name]
```

For information about the `commpkg` general syntax, other sub-commands and general options, see:

[Communications Suite Installer: General Syntax and Commands](#)

Using the ALTROOT | name Command-Line Argument

This argument is supported only on Solaris OS. Specify `ALTROOT` | `name` on the command line to install components in an alternate root.

For more information, see [Using the ALTROOT Command-Line Argument](#).

Using the name Argument (Instead of installroot)

If you specify the `name` command-line argument and it exists in the software list, the corresponding

ALROOT is used.

If you also specify the `--installroot` option, it must correspond to the entry in the software list. If you specify *name* and it does not exist in the software list, it is added to the software list.

Specifying any *name* other than "" implies an *ALROOT*. A value for *name* of "" is reserved for the default root.

commpkg install Command Options

The following options are used by the `commpkg install` command:

commpkg install options	Description
<code>--help</code> or <code>-?</code>	Prints help information.
<code>--version</code> or <code>-V</code>	Prints version information.
<code>--excludeOS</code>	Does not apply operating system patches during product installation.
<code>--excludeSC</code>	Does not install, upgrade, or patch any Shared Components.
<code>--altroot [name]</code>	This option has been deprecated. Use the <i>ALROOT</i> <i>name</i> command-line argument instead. This option is available on Solaris OS only. Specifies an alternate root directory for a multi-instance installation. The <i>INSTALLROOT</i> (the top level installation directory for all products and shared components) is the alternate root. If you specify a <i>name</i>, it will be a friendly name associated with the <i>altroot</i> that is registered in the software list. You can use this option to install multiple instances of Communications Suite products on the same host or Solaris zone. You can also use this option to perform a side-by-side upgrade of Communications Suite products.
<code>--distro path</code>	Specifies the <i>path</i> to packages or patches for the products Default: Location of <code>commpkg</code> script
<code>--installroot path</code>	Specifies the <i>path</i> of <i>INSTALLROOT</i>, the top level installation directory for Communications Suite products and shared components. Default <i>INSTALLROOT</i>: <code>/opt/sun/comms</code> The subdirectories for individual Communications Suite products are installed under the <i>INSTALLROOT</i>.

<code>--silent INPUTFILE</code>	Runs silent installation, taking the inputs from the <i>INPUTFILE</i> and the command-line arguments. The command-line arguments override entries in the <i>INPUTFILE</i>. Installation proceeds without interactive prompts. Use <code>--dry-run</code> to test silent installation without actually installing the software. Specify <code>NONE</code> for <i>INPUTFILE</i> if you want to run in silent mode without using an input file. When you specify <code>NONE</code>, the installation uses default values. For more information about running a silent installation, see Installing Communications Suite 7.0.6 in Silent Mode.
<code>--dry-run</code> or <code>-n</code>	Does not install Communications Suite components. Performs checks.
<code>--upgradeSC [y n]</code>	Upgrades or does not upgrade shared components as required. If this option is not specified, you are prompted for each shared component that needs to be upgraded by using package removal and installation. Default: <code>n</code>  Caution Upgrading shared components by using package removal and installation is irreversible. However, if you do not upgrade required shared components, products might not work as designed. The <code>--excludeSC</code> flag has precedence over this flag.
<code>--auditDistro</code>	Audits the installation distribution to verify that the patches and packages matches the versions in the product files internal to the installer.
<code>--pkgOverwrite</code>	Overwrites the existing installation package. You might use this option when you are installing a shared component in a global zone where either the shared component does not exist in a global zone, or the shared component exists in the whole root zone. The default is not to override the existing package. In general, shared components should be managed in the global zone.
<code>--components comp1 comp2 ...</code>	A space delimited set of component products. Each product has mnemonic associated with it. Use <code>commpkg info --listPackages</code> to see the mnemonic for a product. In most shells you need to escape the space between each mnemonic, that is, by adding double quotes around all the components.
<code>--skipOSLevelCheck</code>	(Solaris only) The installer always checks that the OS is at a certain minimum patch level. Using this option skips the check.

commpkg uninstall 7.0.6 Usage

commpkg uninstall 7.0.6 Usage

The `commpkg uninstall` command enables you to uninstall the Communications Suite products and shared components.

For information about the `commpkg` general syntax, other commands and options, see [commpkg 7.0.6 - General Syntax and Commands](#).

Topics:

- [Uninstalling Communications Suite Components](#)
- [commpkg uninstall Command Syntax](#)
- [commpkg uninstall Command Options](#)

Uninstalling Communications Suite Components

This command uninstalls Communication Suite products. However it does not remove OS patches or shared components installed by `commpkg install`.

To uninstall one or more Communications Suite component, change to the *INSTALLROOT* /CommsInstaller/bin/ directory, and as root, run `commpkg uninstall`.



Note

A fast way to uninstall a Communications Suite component installed in an alternate root is to simply remove the entire alternate root directory.

For a sample installation and uninstallation, see: [Sample Session - Communications Suite 7.0.6 Simple Install and Uninstall](#).

commpkg uninstall Command Syntax

```
commpkg uninstall [options] [ALROOT | name]
```

You must be logged in as superuser (root) to run this command.

Using the ALROOT | name Command-Line Argument

This argument is supported only on Solaris OS. Specify *ALROOT | name* on the command line to uninstall an alternate root directory for the uninstallation.

If you specify the `--rootdir` option in addition to the *ALROOT | name* command-line argument, they must match.

For more information, see [Using the ALROOT 7.0.6 Command-Line Argument](#).

commpkg uninstall Command Options

The following options are used by the `commpkg uninstall` command:

commpkg uninstall Command Options

Options	Description
--silent <i>INPUTFILE</i>	Runs the uninstaller silently, taking the inputs from the <i>INPUTFILE</i> and the command-line arguments. Any command-line arguments override entries in the <i>INPUTFILE</i> . Uninstallation proceeds without interactive prompts. Use --dry-run to test silent uninstallation.
--dry-run or -n	Does not actually uninstall the Communications Suite components, only performs checks. The silent uninstallation <i>INPUTFILE</i> is created in /tmp.
--rootdir <i>path</i>	This option is deprecated in favor of using the <i>ALTROOT</i> or <i>name</i> command-line argument. This option specifies the <i>path</i> of <i>ALTROOT</i> , the alternate root used for multi-installation. Supported on Solaris OS only. If you specify this option and the <i>ALTROOT</i> <i>name</i> argument the values must be consistent.

commpkg verify 7.0.6 Usage

commpkg verify 7.0.6 Usage

The `commpkg verify` command enables you to verify the package installation of the Communications Suite products and shared components. To use the command, as root, invoke `commpkg verify`.

For information about the `commpkg` general syntax and options, see [Communications Suite Installer: General Syntax and Commands](#).



Tip

When verifying the package installation in an alternate root, be aware that products do use the OS components installed in the default root. Some products might also use shared components in the default root. Thus, verify the package installation in the default root as well.

Topics:

- [commpkg verify Command: Syntax](#)
- [commpkg verify Command: Options](#)

commpkg verify Command: Syntax

```
commpkg verify [options] [ALTROOT | name]
```

Using the ALTROOT | name Command-Line Argument

This argument is supported only on Solaris OS. Specify `ALTROOT | name` on the command line to if you need to specify an alternate root directory on which to perform the package verification.

For more information, see [Using the ALTROOT Command-Line Argument](#).

commpkg verify Command: Options

The following options are used by the `commpkg verify` command:

commpkg verify Options

Options	Description
<code>--help</code> or <code>-?</code>	Prints help information
<code>--version</code> or <code>-V</code>	Prints version information
<code>--excludeOS</code>	Do not verify operating system components
<code>--excludeSC</code>	Do not verify shared components
<code>--components comp1 comp2 ...</code>	A space delimited set of component products. Each product has mnemonic associated with it. Use <code>commpkg info --listPackages</code> to see the mnemonic for a product. In most shells you need to escape the space between each mnemonic, that is, by adding double quotes around all the components.

Communications Suite 7.0.6 Directory Server Setup Script (comm_dssetup.pl)

Communications Suite 7.0.6 Directory Server Setup Script (comm_dssetup.pl)

After you install the Communications Suite products and *before* you create initial configurations for these products, you must prepare Directory Server by using the Communications Suite Directory Setup Script, (comm_dssetup.pl).

Topics:

- [Before You Run the comm_dssetup.pl Script](#)
- [Running the comm_dssetup.pl Script](#)
- [Manually Updating Schema Files](#)
- [Resolving Conflicting Calendar Server OID's in the LDAP Schema](#)
- [Sample Sessions](#)

Before You Run the comm_dssetup.pl Script

This section covers information you need to understand before running the comm_dssetup.pl script.

Topics in this section:

- [What the comm_dssetup.pl Script Does](#)
- [Directory Server Considerations for the comm_dssetup.pl Script](#)
- [Information You Need to Gather Before you Run the comm_dssetup.pl Script](#)
- [About the comm_dssetup.pl choices for Directory Server root path name and instance](#)
- [About the comm_dssetup.pl Script Schema Choices](#)
- [Access Manager Considerations](#)
- [Attribute Indexes Created by the comm_dssetup.pl Script](#)

What the comm_dssetup.pl Script Does

The comm_dssetup.pl script performs the following three steps:

1. Collects your choices for utility options.
For a list of the specific information this step requests, see [Information You Need to Gather Before you Run the comm_dssetup.pl Script](#).
2. Generates a shell script and LDIF file from your options choices that will be used to modify the LDAP directory.
If you are not using a Sun product for your directory server, or have customized your Directory Server, stop the process here without running the shell script. For further information, see [Directory Server Considerations for the comm_dssetup.pl Script](#).
3. Runs the shell script created from your options choices. Your directory is modified accordingly.

At the end of each step, the utility asks you if you want to continue. No changes are made to the LDAP directory until the third step.

Directory Server Considerations for the comm_dssetup.pl Script

The following is a list of the considerations for your LDAP directory:

comm_dssetup.pl is a configuration tool that is for local LDAP instances servers. Thus,

- You must install the `comm_dssetup.pl` script on every machine on which a Directory Server resides.
- You must run the `comm_dssetup.pl` script on the same machine as your Directory Server. The tool runs locally for a specific instance (specified by path of directory server or path of instance).
- `comm_dssetup.pl` is installed into the "DirPrepTool-base", but can be run against any Directory Server instance on the local system. If you have multiple DIT's on one system, you can maintain and update one install of `comm_dssetup.pl`, and apply it to every Directory Server on the system.

`comm_dssetup.pl` must configure every Directory Server instance for the same DIT.

- A Directory Server must be installed, configured, and running before you run the `comm_dssetup.pl` script.
- If you add an additional machine that has Directory Server installed on it (such as a replica), at a future date, run the `comm_dssetup.pl` script against it, too.

If you have customized your LDAP directory, the following considerations might apply:

- If you have indexed some attributes, you might have to reindex those attributes after the `comm_dssetup.pl` script runs.
- If you have added other `.ldif` files (schema definitions), they should not be affected, so no action should be necessary. However, back up your custom schema definition files before running the `comm_dssetup.pl` script. As of `comm_dssetup.pl` 6.4p5, the old schema files are backed up to the `/var/tmp/dssetup_timestamp/save` directory.
- For all customizations, including the first two just listed, stop the `comm_dssetup.pl` script after it generates the script and before it actually updates the LDAP directory. Then inspect the script to evaluate how its proposed actions will affect your LDAP directory. Take whatever actions you think necessary to protect your customizations before running the script against your directory.

Information You Need to Gather Before you Run the `comm_dssetup.pl` Script

The `comm_dssetup.pl` script runs by first requesting information about your Directory Server. Prepare for this by gathering the information shown in the following table. (To help you keep track of this information, use the `comm_dssetup.pl` script configuration worksheets in *Unified Communications Suite Installation Guide*.)

Information Item Needed	Default Value
Directory Server root path name	The default depends on the Directory Server version detected. The <code>comm_dssetup.pl</code> script does attempt to heuristically determine the value.
Which instance of Directory Server to use? (If more than one.)	The default depends on the Directory Server version detected. The <code>comm_dssetup.pl</code> script does attempt to heuristically determine the value.
Directory Manager Distinguished Name (DN)	"cn=Directory Manager"
Directory Manager's Password	N/A
Directory Server being used for user/group data? (yes), or configuration data only? (no) Note that a configuration data only Directory Server is used only for Messaging Server 6.2 or earlier.	yes
User and group root suffix (if yes to previous question)	The default depends on what is detected. The <code>comm_dssetup.pl</code> script does attempt to heuristically determine the value.
Schema version? (pick one of the following) 1 - Schema 1 1.5 - Schema 2 Compatibility Mode 2 - Schema 2 Native Mode For more information on how to choose a schema, see About the comm_dssetup.pl script Schema Choices . If you have one version of the schema installed and want to upgrade to a higher level, refer to the Sun Java System Communications Services 6 2005Q4 Schema Migration Guide before running this utility.	2. However, if you run <code>comm_dssetup</code> again, it defaults to the value that you chose the previous time.
If you choose Schema 1 or 1.5, you will need a DC tree. If the DC tree does not yet exist, the <code>comm_dssetup.pl</code> script creates only the root suffix node, it does not create the rest of the DC tree. You must create the rest of your DC tree yourself.	o=internet. However, if you run <code>comm_dssetup</code> again, it defaults to the value that you chose the previous time.

About the `comm_dssetup.pl` choices for Directory Server root path name and instance

The combination of the Directory Server root path and the instance is used to create an absolute pathname to the Directory Server instance. For example, if your Directory Server instance resides under `/var/opt/sun/directory/slapd-varrius` then you should specify `/var/opt/sun/directory` for the Directory Server root path and `slapd-varrius` for the Directory Server instance. The reason for having two prompts to specify one absolute path is historical. Prior to Directory Server (DS) 6.x, DS had the concept of a "server root" under which all DS instances (as well as the DS binaries) reside. Starting with DS 6.x and later, the concept of the "server root" was removed. DS instances (as well as the DS binaries) do not all have to reside under a single umbrella "server root" directory.

About the `comm_dssetup.pl` Script Schema Choices

Communications Suite servers support the following schema choices:

- Sun LDAP Schema 2 native mode
Corresponds to `comm_dssetup.pl` script schema version choice 2. This is the default for a fresh installation.
- Sun LDAP Schema 1
Corresponds to the `comm_dssetup.pl` script schema version choice 1.
- Sun LDAP Schema 2 compatibility mode
Corresponds to `comm_dssetup.pl` script schema version choice 1.5.

If you are still trying to decide which schema to use, for further explanation, see "Understanding Schema Choices and Provisioning Options" in *Unified Communications Suite Deployment Planning Guide*, and the [Sun Java System Communications Services 6 2005Q4 Schema Migration Guide](#).

Access Manager Considerations

Starting with **Delegated Administrator 7**, Access Manager is no longer required for Schema 2.



Note

Do not use the Access Manager console to administer users. Use Delegated Administrator for administering Messaging and Calendar users.

Attribute Indexes Created by the `comm_dssetup.pl` Script

Attribute indexes improve the performance of search algorithms. The tool offers to index attributes. If you choose to do so, it will add indexes for all the Communications Suite products.

The following table lists all the attributes the `comm_dssetup.pl` script indexes, grouped by suffix category. It also lists the type of indexes created for each attribute. For more information about Directory Server indexing, see the [Directory Server documentation](#).

Suffix	Attributes Indexed	Type of Indexes Added
User/Group	mail	pres, eq, approx, sub
	mailAlternateAddress	pres, eq, approx, sub
	mailEquivalentAddress	pres, eq, approx, sub
	mailUserStatus	pres, eq
	member	eq
	ou	pres
	cosspecifier	pres
	groupid	pres, eq, sub
	icsCalendar	pres, eq, approx, sub
	icsCalendarOwned	pres, eq, approx, sub
	uniqueMember	eq
	memberOf	eq, sub
	cn	eq

	mgrpUniqueId	eq
	deleted	pres, eq
	davuniqueid	pres,eq
	inetCos	eq
User/Group (additional for Schema 2)	inetDomainBaseDN	pres, eq
	sunPreferredDomain	pres, eq
	associatedDomain	pres, eq
	o	pres, eq
	mailDomainStatus	pres, eq
	sunOrganizationAlias	pres, eq
DC Tree (for Schema 1)	inetDomainBaseDN	pres, eq
	mailDomainStatus	pres, eq
	inetCanonicalDomainName	pres, eq
Personal Address Book (PAB) (o=pab)	memberOfManagedGroup	pres, eq
Note: For old Address Book		
	memberOfPAB	pres, eq
	memberOfPABGroup	pres, eq
	un	eq
New PAB (o=PiServerDb)	displayname	pres, eq, sub
	MemberOfPiBook	eq
	MemberofPiGroup	eq
o=mlusers for future mailserv feature	mail	eq
	mlsubListIdentifier	eq
	mlsubMail	eq

Should you decide to add further indexes on your own, instructions for adding indexes can be found in the Directory Server documentation.

Running the comm_dssetup.pl Script

This section covers the following topics:

- [To Run the comm_dssetup.pl Script](#)
- [To Run the comm_dssetup.pl Script in Interactive Mode](#)
- [To Run the comm_dssetup.pl Script in Silent Mode](#)
- [Explanation of Options for Running comm_dssetup.pl Script in Silent Mode](#)

To Run the comm_dssetup.pl Script

1. On the server where Directory Server is installed, log in as or become superuser root.

2. Start Directory Server, if necessary.
3. Change to the directory where you installed or copied the `comm_dssetup.pl` script.
4. Run the `sbin/comm_dssetup.pl` script in either silent mode or in interactive mode.

For further steps, see [To Run the comm_dssetup.pl Script in Interactive Mode](#) or [To Run the comm_dssetup.pl Script in Silent Mode](#).

To Run the comm_dssetup.pl Script in Interactive Mode

To run the `comm_dssetup.pl` script in interactive mode, run the script without any arguments and then enter your choices for the questions asked.

```
/usr/bin/perl comm_dssetup.pl
```

To Run the comm_dssetup.pl Script in Silent Mode

- [comm_dssetup.pl Script Silent Mode Instructions](#)
- [comm_dssetup.pl Script Silent Mode Syntax](#)

comm_dssetup.pl Script Silent Mode Instructions

To run the `comm_dssetup.pl` script in silent mode, issue the Perl command followed by a string of options using the syntax shown in [comm_dssetup.pl Script Silent Mode Syntax](#). All of the option arguments are required.

The utility creates the following LDIF file and shell script to update the LDAP directory indexes and schema:

```
/var/tmp/dssetup_timestamp/dssetup.ldif
```

```
/var/tmp/dssetup_timestamp/dssetup.sh
```

Depending on the option values you pass in, the utility will either proceed to update the Directory Server by executing the new script, or not. If you have chosen not to proceed with the update, you can check the script and make any desired modifications before running the actual update at a later time.

comm_dssetup.pl Script Silent Mode Syntax

The following are all the options for running in the silent mode:

```
perl comm_dssetup.pl -i <yes|no> -R <yes|no> -c <DirectoryServerRoot> -d  
<DirectoryInstance> -r <DCTreeSuffix> -u <UserGroupSuffix> -s <yes|no> -D  
<DirectoryManagerDN> -j <DirectoryManagerPasswordFile> -b <yes|no> -t  
<1|1.5|2> -m <yes|no> [-S <PathtoSchemaFiles>]
```

Explanation of Options for Running comm_dssetup.pl Script in Silent Mode

Option and Argument	Description
-i yes no	Answers the question: "Do you want to configure new indexes?" yes - Add new Directory Server indexes. no - Do not add indexes.
-R yes no	Answers the question: "Do you want to reindex now?" The -m option must be yes also for this to take effect.
-c <i>DirectoryServerRoot</i>	Directory Server root path. For example: /var/opt/sun/directory
-d <i>DirectoryInstance</i>	Directory Server instance subdirectory under the Directory Server root path. For example: slapd-varrius
-r <i>DCTreeSuffix</i>	DC tree root suffix. (for Schema 1 and Schema 2 compatibility modes only) For example: o=internet
-u <i>UserGroupSuffix</i>	User and group root suffix. For example: o=usergroup
-s yes no	Answers the question: "Do you want to update the schema?" yes - Update the schema. no - Do not update schema.
-D <i>DirectoryManagerDN</i>	Directory Manager Distinguished Name (DN). The value must be enclosed by double quotation marks (" ") to allow the comm_dssetup.pl script to interpret a value with a space correctly. For example: "cn=Directory Manager"
-j <i>DirectoryManagerPasswordFile</i>	File containing the Directory Manager DN password.
-b yes no	Answers the question: "Will this directory server be used for users and groups?" yes - Use this directory to store both configuration and user group data. no - Use this directory to store only configuration data. This is only used for Messaging Server 6.2 or earlier
-t 1 1.5 2	Specifies the schema version.
-m yes no	Answers the question: "Do you want to modify the directory server?" yes Modify the Directory Server without prompting the user. no Do not modify the Directory Server without prompting the user.
-S <i>PathtoSchemaFiles</i>	Path to the directory where the schema files are located. For example: ./schema

Manually Updating Schema Files

If for any reason, you have decided not to run the comm_dssetup.pl script generated script, the following directions allow you to manually update your schema files for Directory Server.

**Note**

If you update your LDAP directory schema manually and then later upgrade Calendar Server, you must manually update the LDAP server schema again. Calendar Server cannot automatically update the schema after it has previously been updated manually.

To Update Your LDAP Directory Manually

1. Install Calendar Server 7.
2. Stop Calendar Server, if it is running.
3. Stop Directory Server, if it is running.
4. Copy the `60ipplanet-calendar.ldif` file to the following directory on the machine where your Directory Server is running:
`dir-svr-base/slapd-hostname/config/schema` where *dir-svr-base* is the Directory Server installation directory and *hostname* identifies the machine.
5. If you want to index attributes, as the configuration program does, do it at this point.
For a list of the attributes the configuration program indexes, see [Attribute Indexes Created by the `comm\_dssetup.pl` Script](#).
6. Restart the Directory Server.

If you receive object identifier (OID) errors, see [Resolving Conflicting Calendar Server OID's in the LDAP Schema](#).

Resolving Conflicting Calendar Server OID's in the LDAP Schema

If your LDAP schema contains conflicting OID's, the Directory Server does not know which OID to use and returns an error message. For example, the following message indicates a conflicting OID for the `icsCalendarUser` object class:

```
[24/Apr/2004:23:45:28 -0700] dse -
The entry cn=schema in file 99user.ldif is invalid,
error code 20 (Type or value exists) - object class icscalendaruser:
  The name does not match the OID.
  Another object class is already using the name or OID.
[24/Apr/2004:23:45:28 -0700] dse -
Please edit the file to correct the reported problems
and then restart the server.
```

This problem can occur when you install Calendar Server and you also had an older Calendar Server release that dynamically updated your Directory Server `99user.ldif` file.

To resolve the conflicting OID's, perform the following two steps:

1. Edit the `99user.ldif` file and remove the older OID's. The following table lists the specific OID's that might cause problems.

Object Class	Old OID	New OID
<code>icsCalendarUser</code>	1.3.6.1.4.1.42.2.27.9.2.44	1.3.6.1.4.1.42.2.27.9.2.45
<code>icsCalendarResource</code>	1.3.6.1.4.1.42.2.27.9.2.45	1.3.6.1.4.1.42.2.27.9.2.46
<code>icsCalendarDomain</code>	1.3.6.1.4.1.42.2.27.9.2.4	1.3.6.1.4.1.42.2.27.9.2.47

2. After you edit the `99user.ldif` file, restart the Directory Server.

Sample Sessions

- [DSsetup 6.4.0.26.0 Sample Session - Fresh Directory Server 7.0 Instance for Schema 1](#)
- [DSsetup 6.4.0.26.0 Sample Session - Existing Directory Server 7.0 Instance for Schema 1](#)
- [DSsetup 6.4.0.26.0 Sample Session - Fresh Directory Server 7.0 Instance for Schema 2](#)
- [DSsetup 6.4.0.26.0 Sample Session - Existing Directory Server 7.0 Instance for Schema 2](#)

DSsetup 6.4.0.26.0 Sample Session - Existing Directory Server 7.0 Instance for Schema 1

DSsetup 6.4.0.26.0 Sample Session - Existing Directory Server 7.0 Instance for Schema 1

This section outlines the commands to run and lists a sample session.

Topics:

- [Summary of Commands Run](#)
- [Comments](#)
- [Session](#)

Summary of Commands Run

```
513 ./sbin/comm_dssetup.pl
514 stty -echo
515 ls /var/tmp/dssetup_2014080909130
516 ls /var/tmp/dssetup_2014080909130/save
517 cat /var/tmp/dssetup_20140809091302/99user_new.ldif
518 cat /var/tmp/dssetup_20140809091302/dssetup.ldif
519 cat /var/tmp/dssetup_20140809091302/dssetup.ldif.rej
520 cat /var/tmp/dssetup_20140809091302/dssetup.sh
521 cat /var/tmp/dssetup_20140809091302/dssetup.log
```

Comments

This sample session shows the output of `comm_dssetup.pl` on an existing Directory Server 7.0 instance for Schema 1.

Session

```
[513 Sat Aug 09 09:10:57 root@host% /opt/sun/comms/dssetup# ]
# ./sbin/comm_dssetup.pl

Welcome to the Directory Server preparation tool (Comms DSsetup) 6.4.0.26.0
for
Oracle Communications Unified Communications Suite
dssetup Version 6.4.0.26.0 (built Friday, April 18, 2014 09:07:22 PM UTC)

This tool prepares your directory server for use by the
communications services which include Messaging, Calendar and their
components.

The logfile is /var/tmp/dssetup_20140809091302/dssetup.log

Do you want to continue [y]:

Please enter the full path to the directory where the
Directory Server instance(s) reside ("server-root"), or
an explicit Directory Server instance directory
```

```

Directory server root [/var/opt/sun/directory] :

Please select a directory server instance from the following list:

[1] ds7

Which instance do you want [1]:

Please enter the directory manager DN [cn=Directory Manager]:

Password:

Configuration from DS config file:
- DS Install location: /opt/dsee7
- DS hostname: host
- DS port: 389

ldapsearch location: /opt/SUNWdsee/dsee6/bin

Detected DS version 11.1.1.3.0 on host port 389

Warning: This version of comm_dssetup.pl (6.4 26.01) has been run previously
(6.4 26.01), you do not need to run it again unless you wish to specify
different parameters to this program
Do you want to continue [y]:

Will this directory server be used for users/groups [yes]:

A list of suffixes are as follows:
o=mlusers
o=PiServerDb
o=pab
o=internet
o=usergroup
o=comms-config

Please enter the Users/Groups base suffix [o=usergroup] :

There are 3 possible schema types:
1 - schema 1
1.5 - schema 2 compatibility mode for schema 1 systems
that has been converted with commdirmig
2 - schema 2

Please enter the Schema Type (1, 1.5, 2) [1]:

Please enter the DC Tree base suffix [o=internet]:

Do you want to update the schema files [yes]:

Do you want to configure new indexes [yes]:

```

Do you want to Reindex the new indexes now [yes]:

Here is a summary of the settings that you chose:

Server Root : /var/opt/sun/directory
Server Instance : ds7
Users/Groups Directory : yes
Update Schema : yes
Schema Type : 1
DC Root : o=internet
User/Group Root : o=usergroup
Add New Indexes : yes
ReIndex New Indexes Now : yes
Directory Manager DN : cn=Directory Manager

Now ready to generate a shell script and ldif file to modify the Directory.
No changes to the Directory Server will be made this time.
Do you want to continue [y]:

Generating files...

Checking to see if Suffixes need to be added

Checking to see that uid uniqueness plugins are turned off
Plugin is already disabled

Adding indexes
Adding Indexes for User/group Tree (backend:usergroupdb2)
Checking indexes for cn
No new indexes required
Checking indexes for cosspecifier
No new indexes required
Checking indexes for inetCos
No new indexes required
Checking indexes for memberOf
No new indexes required
Checking indexes for mail
New indexes and Reindexing required
ReIndex will happen for index type mail
Checking indexes for groupid
No new indexes required
Checking indexes for mailAlternateAddress
New indexes and Reindexing required
ReIndex will happen for index type mailAlternateAddress
Checking indexes for icsCalendar
No new indexes required
Checking indexes for ou
No new indexes required
Checking indexes for member
No new indexes required
Checking indexes for uniqueMember
No new indexes required
Checking indexes for mailEquivalentAddress
No new indexes required
Checking indexes for deleted
No new indexes required


```

Checking indexes for mgrpUniqueId
No new indexes required
Checking indexes for davuniqueid
No new indexes required
Checking indexes for mailUserStatus
No new indexes required
Checking indexes for icsCalendarOwned
No new indexes required
Adding Indexes for DC Tree (backend:internetdb2)
Checking indexes for inetDomainBaseDN
No new indexes required
Checking indexes for inetCanonicalDomainName
No new indexes required
Checking indexes for mailDomainStatus
No new indexes required
Adding Indexes for PAB Tree (backend:pabdb2)
Checking indexes for memberOfManagedGroup
No new indexes required
Checking indexes for memberOfPABGroup
No new indexes required
Checking indexes for memberOfPAB
No new indexes required
Checking indexes for un
No new indexes required
Adding Indexes for New PAB Tree (backend:PiServerDbdb2)
Checking indexes for MemberOfPiBook
No new indexes required
Checking indexes for MemberofPiGroup
No new indexes required
Checking indexes for displayname
No new indexes required
Adding Indexes for Mailing List Tree (backend:mlusersdb2)
Checking indexes for mail
No new indexes required
Checking indexes for mlsubMail
No new indexes required
Checking indexes for mlsubListIdentifier
No new indexes required

Checking to see if DN needs to be created for suffixes

Generating ldif for installer metadata
Generating ldif for Adding schema for installer metadata
Generating ldif for updating DN for cn=CommServers,o=comms-config
The following files have been created:
/var/tmp/dssetup_20140809091302/dssetup.sh
/var/tmp/dssetup_20140809091302/dssetup.ldif

Running /var/tmp/dssetup_20140809091302/dssetup.sh will make changes to the
Directory
You can run this file now or at a later time
Ready to execute the script now.

Do you want to continue [y]:

Running /var/tmp/dssetup_20140809091302/dssetup.sh -D "cn=Directory Manager"
-j /var/tmp/dssetup_20140809091302/dssetup.pw
-- Updating Schema files...
-- Copying 20subscriber.ldif

```

```

-- Copying 50ns-delegated-admin.ldif
-- Copying 50ns-mail.ldif
-- Copying 50ns-mlm.ldif
-- Copying 50ns-msg.ldif
-- Copying 50ns-value.ldif
-- Copying 55ims-ical.ldif
-- Copying 56ims-schema.ldif
-- Copying 65im.ldif
-- Copying 70sun-schema2.ldif
-- Copying 71sun-am.ldif
-- Copying 60iplanet-calendar.ldif
-- Copying 50ns-iabs.ldif
-- Copying 98ns-dummy-uwc.ldif
-- Copying 70delgated-admin.ldif
-- Stopping Directory Server
Directory Server instance '/var/opt/sun/directory/ds7' stopped
-- Starting Directory Server
Directory Server instance '/var/opt/sun/directory/ds7' started: pid=16786
-- Applying ldif file /var/tmp/dssetup_20140809091302/dssetup.ldif
ldap_modify: Type or value exists
modifying entry cn=schema

modifying entry cn=schema

modifying entry cn=CommServers,o=comms-config

modifying entry cn=CommServers,o=comms-config

-- rejects to /var/tmp/dssetup_20140809091302/dssetup.ldif.rej status = 20
-- WARNING: ldapmodify returned 20
-- Done Applying ldif file /var/tmp/dssetup_20140809091302/dssetup.ldif

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mail approx-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mail o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup mail
approx-enabled:on

-- /opt/dsee7/bin/dsconf -t mail reindex o=usergroup
## usergroupdb2: Indexing attribute: mail
## usergroupdb2: Index buffer bucket size: 100
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t mail o=usergroup

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailAlternateAddress
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailAlternateAddress o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailAlternateAddress
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailAlternateAddress
approx-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailAlternateAddress o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailAlternateAddress
approx-enabled:on

```

```

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailAlternateAddress
sub-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailAlternateAddress o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailAlternateAddress
sub-enabled:on

-- /opt/dsee7/bin/dsconf -t mailAlternateAddress reindex o=usergroup
## usergroupdb2: Indexing attribute: mailAlternateAddress
## usergroupdb2: Index buffer bucket size: 100
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t mailAlternateAddress o=usergroup

Successful Completion. Consult /var/tmp/dssetup_20140809091302/dssetup.log
for details
[514 Sat Aug 09 09:14:52 root@host% /opt/sun/comms/dssetup# ]
# stty -echo
stty -echo
[515 Sat Aug 09 09:15:48 root@host% /opt/sun/comms/dssetup# ]
# ls /var/tmp/dssetup_2014080909130
/var/tmp/dssetup_2014080909130: No such file or directory
[516 Sat Aug 09 09:16:03 root@host% /opt/sun/comms/dssetup# ]
# ls /var/tmp/dssetup_2014080909130/save
/var/tmp/dssetup_2014080909130/save: No such file or directory
[517 Sat Aug 09 09:16:05 root@host% /opt/sun/comms/dssetup# ]
# cat /var/tmp/dssetup_20140809091302/99user_new.ldif
dn: cn=schema
objectClass: top
objectClass: ldapSubentry
objectClass: subschema
cn: schema
aci: (target="ldap:///cn=schema")(targetattr !="aci")(version 3.0;acl
"anonymo
us, no acis"; allow (read, search, compare) userdn = "ldap:///anyone";)
modifiersName: cn=directory manager
modifyTimestamp: 20140809160718Z
attributeTypes: ( sunExcludeServices-oid NAME 'sunExcludeServices' DESC
'servi
ces to be excluded specifically from the services available in the root suff
ix ' EQUALITY caseIgnoreMatch SYNTAX 1.3.6.1.4.1.1466.115.121.1.26 X-ORIGIN
'user defined' )
attributeTypes: ( 1.3.6.1.4.1.42.2.27.9.1.83 NAME 'sunkeyvalue' DESC
'Attribut
e to store the encoded key values of the services' SYNTAX 1.3.6.1.4.1.1466.1
15.121.1.26 X-ORIGIN ( 'Sun ONE Identity Management' 'user defined' ) )
objectClasses: ( 1.3.6.1.4.1.42.2.27.9.2.107 NAME 'sunIMConference' DESC
'Conf
erence Object' SUP top AUXILIARY MAY ( sunIMConferenceAffiliations $ sunIMCo
nferenceConfiguration $ cn $ uid ) X-ORIGIN 'user defined' )
objectClasses: ( 1.3.6.1.4.1.42.2.27.9.2.108 NAME 'sunIMNews' DESC 'Pubsub
Cha
nnel Object' SUP top AUXILIARY MAY ( sunIMNewsAffiliations $ sunIMNewsConfig
uration $ sunIMNewsMetaData $ cn $ uid ) X-ORIGIN 'user defined' )
objectClasses: ( 1.3.6.1.4.1.42.2.27.9.2.109 NAME 'sunIMStoredMessage' DESC
'S
tored Message Object' SUP top AUXILIARY MAY ( sunIMMessageID $ sunIMMessageC

```

```

ontent ) X-ORIGIN 'user defined' )
objectClasses: ( 1.3.6.1.4.1.42.2.27.9.2.27 NAME 'sunservicecomponent' DESC
'S
ub-components of the service' SUP top STRUCTURAL MUST ou MAY ( labeledUri $
sunserviceid $ sunsmspriority $ sunkeyvalue $ sunxmlkeyvalue $ description )
X-ORIGIN 'Sun Java System Identity Management' )
objectClasses: ( 1.3.6.1.4.1.42.2.27.2.1.39 NAME 'sunCommsMetaData' DESC
'Obje
ctclass for storing meta data for Sun Communication' SUP top STRUCTURAL MUST
cn MAY sunkeyvalue X-ORIGIN 'user defined' )
nsSchemaCSN: 53e64736000000000000

```

```

[518 Sat Aug 09 09:16:17 root@host% /opt/sun/comms/dssetup# ]
# cat /var/tmp/dssetup_20140809091302/dssetup.ldif
# This Ldif file contains the changes to be made to the Directory
# Run it like this:
# cd /opt/SUNWdsee/dsee6/bin
# ./ldapmodify -p 389 -h host -D binddn -j passwdfile -c -f
/var/tmp/dssetup_20140809091302/dssetup.ldif

```

```

#-----
# This section creates the installer metadata
#-----

```

```

#####
# dn: cn=schema
# Add the schema for sunkeyvalue. Required by sunCommsMetaData objectclass
# Note that sunkeyvalue may have already been added by Access Manager
#####

```

```

dn: cn=schema
changetype: modify
add: attributeTypes
attributeTypes: ( 1.3.6.1.4.1.42.2.27.9.1.83 NAME ( 'sunkeyvalue' ) DESC
'Attribute to store the encoded key values of the services' SYNTAX
1.3.6.1.4.1.1466.115.121.1.26 X-ORIGIN 'Sun ONE Identity Management' )

```

```

#####
# dn: cn=schema
# Add the schema for the Comm Servers installer metadata information
#####
dn: cn=schema
changetype: modify
add: objectClasses
objectClasses: ( 1.3.6.1.4.1.42.2.27.2.1.39 NAME 'sunCommsMetaData' DESC
'Objectclass for storing meta data for Sun Communication' SUP top STRUCTURAL
MUST ( cn ) MAY ( sunkeyvalue ) )

```

```

#####
# dn: cn=CommServers,o=comms-config
# Update the installer metadata for Comm Servers
#####
dn: cn=CommServers,o=comms-config
changetype: modify
replace: sunkeyvalue
sunkeyvalue: dssetup_ver=6.4
sunkeyvalue: dssetup_rev=26.01
sunkeyvalue: dcsuffix=o=internet
sunkeyvalue: ugsuffix=o=usergroup
sunkeyvalue: mlsuffix=o=mlusers

```

```

sunkeyvalue: schematype=1

#####
# dn: cn=CommServers,o=comms-config
# aci for anonymous read access
#####
dn: cn=CommServers,o=comms-config
changetype: modify
add: aci
aci:
(target="ldap:///cn=CommServers,o=comms-config")(targetattr!="aci")(version
3.0; acl "Anonymous access to dssetup config"; allow (read,search,compare)
userdn="ldap:///anyone";)
[519 Sat Aug 09 09:16:21 root@host% /opt/sun/comms/dssetup# ]
# cat /var/tmp/dssetup_20140809091302/dssetup.ldif.rej
# Error: Type or value exists
dn: cn=CommServers,o=comms-config
changetype: modify
add: aci
aci:
(target="ldap:///cn=CommServers,o=comms-config")(targetattr!="aci")(version
3.0; acl "Anonymous access to dssetup config"; allow (read,search,compare)
userdn="ldap:///anyone";)
[520 Sat Aug 09 09:16:23 root@host% /opt/sun/comms/dssetup# ]
# cat /var/tmp/dssetup_20140809091302/dssetup.sh
#!/bin/sh
# This shell script contains the commands to run against the Directory
#set -x

#
# Usage
#
usage()
{
echo "Usage: $0 -D <binddn> -j <passwdfile>"
echo "  -D binddn bind dn"
echo "  -j <passwdfile> read bind passwd from 'file' for simple
authentication"
exit 1
}

if [ $# -lt 1 ]
then
echo "You must specify either -j"
usage
fi

jflag=0
Dflag=0
while getopts D:j: c; do
case $c in
D)
Dflag=1
BINDDN=$OPTARG;;
j)
jflag=1
pflag=-j
parg=$OPTARG;;
\?)

```

```

usage;;
esac
done
shift `expr $OPTIND - 1`

if [ $Dflag -eq 0 ]
then
echo "You must specify the -D switch"
usage
fi

if [ $jflag -eq 0 ]
then
echo "You must specify -j"
usage
fi

if [ $# -ge 1 ]
then
echo "Unrecognized argument $"
usage
fi

if [ `usr/bin/id | cut -d= -f2 | cut -d\ ( -f1` != 0 ]
then
echo
echo "To run this utility you need to be the system's root user. \n"
echo
exit 1
fi

echo -- Updating Schema files...
echo -- Copying 20subscriber.ldif
cp /opt/sun/comms/dssetup/sbin/schema/20subscriber.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 50ns-delegated-admin.ldif
cp /opt/sun/comms/dssetup/sbin/schema/50ns-delegated-admin.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 50ns-mail.ldif
cp /opt/sun/comms/dssetup/sbin/schema/50ns-mail.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 50ns-mlm.ldif
cp /opt/sun/comms/dssetup/sbin/schema/50ns-mlm.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 50ns-msg.ldif
cp /opt/sun/comms/dssetup/sbin/schema/50ns-msg.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 50ns-value.ldif
cp /opt/sun/comms/dssetup/sbin/schema/50ns-value.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 55ims-ical.ldif
cp /opt/sun/comms/dssetup/sbin/schema/55ims-ical.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 56ims-schema.ldif
cp /opt/sun/comms/dssetup/sbin/schema/56ims-schema.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 65im.ldif
cp /opt/sun/comms/dssetup/sbin/schema/65im.ldif
/var/opt/sun/directory/ds7/config/schema

```

```

echo -- Copying 70sun-schema2.ldif
cp /opt/sun/comms/dssetup/sbin/schema/70sun-schema2.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 71sun-am.ldif
cp /opt/sun/comms/dssetup/sbin/schema/71sun-am.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 60iplanet-calendar.ldif
cp /opt/sun/comms/dssetup/sbin/schema/60iplanet-calendar.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 50ns-iabs.ldif
cp /opt/sun/comms/dssetup/sbin/schema/50ns-iabs.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 98ns-dummy-uwc.ldif
cp /opt/sun/comms/dssetup/sbin/schema/98ns-dummy-uwc.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 70delgated-admin.ldif
cp /opt/sun/comms/dssetup/sbin/schema/70delgated-admin.ldif
/var/opt/sun/directory/ds7/config/schema

echo -- Stopping Directory Server
/opt/dsee7/bin/dsadm stop /var/opt/sun/directory/ds7
if [ $? != 0 ]; then
echo "Stopping the Directory server failed"
exit 1
fi
sleep 5

echo -- Starting Directory Server
/opt/dsee7/bin/dsadm start /var/opt/sun/directory/ds7
if [ $? != 0 ]; then
echo "The server may not have restarted properly"
echo "Please restart it manually"
fi
sleep 5

echo -- Applying ldif file /var/tmp/dssetup_20140809091302/dssetup.ldif
cd /opt/SUNWdsee/dsee6/bin
./ldapmodify -p 389 -h host -D "$BINDDN" $pflag "$parg" -c -e
/var/tmp/dssetup_20140809091302/dssetup.ldif.rej -f
/var/tmp/dssetup_20140809091302/dssetup.ldif
stat=$?
echo -- rejects to /var/tmp/dssetup_20140809091302/dssetup.ldif.rej status =
$stat
if [ $stat -eq 0 ]; then
echo "-- ldapmodify returned $stat"
elif [ $stat -eq 20 ]; then
echo "-- WARNING: ldapmodify returned $stat"
else
echo "-- ERROR: ldapmodify returned $stat"
exit $stat;
fi
echo -- Done Applying ldif file /var/tmp/dssetup_20140809091302/dssetup.ldif
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mail
approx-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=usergroup" "mail"
"approx-enabled:on"

```

```

stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop "o=usergroup" "mail"
"approx-enabled:on"
echo

echo -- /opt/dsee7/bin/dsconf -t mail reindex o=usergroup
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg" --port
389 --hostname host --unsecured -t "mail" "o=usergroup"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "mail" "o=usergroup"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailAlternateAddress
pres-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=usergroup" "mailAlternateAddress"
"pres-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop "o=usergroup"
"mailAlternateAddress" "pres-enabled:on"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailAlternateAddress
approx-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=usergroup" "mailAlternateAddress"
"approx-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop "o=usergroup"
"mailAlternateAddress" "approx-enabled:on"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailAlternateAddress
sub-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=usergroup" "mailAlternateAddress"
"sub-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop "o=usergroup"
"mailAlternateAddress" "sub-enabled:on"
echo

echo -- /opt/dsee7/bin/dsconf -t mailAlternateAddress reindex o=usergroup
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg" --port

```



```

389 --hostname host --unsecured -t "mailAlternateAddress" "o=usergroup"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "mailAlternateAddress"
"o=usergroup"
echo
[521 Sat Aug 09 09:16:25 root@host% /opt/sun/comms/dssetup# ]
# cat /var/tmp/dssetup_20140809091302/dssetup.log
-----

Running /usr/bin/perl ./sbin/comm_dssetup.pl

Welcome to the Directory Server preparation tool (Comms DSsetup) 6.4.0.26.0
for
Oracle Communications Unified Communications Suite
dssetup Version 6.4.0.26.0 (built Friday, April 18, 2014 09:07:22 PM UTC)

This tool prepares your directory server for use by the
communications services which include Messaging, Calendar and their
components.

The logfile is /var/tmp/dssetup_20140809091302/dssetup.log

Do you want to continue [y]:

Please enter the full path to the directory where the
Directory Server instance(s) reside ("server-root"), or
an explicit Directory Server instance directory

Directory server root [/var/opt/sun/directory] :

Please select a directory server instance from the following list:

[1] ds7

Which instance do you want [1]:
Please enter the directory manager DN [cn=Directory Manager]:
stty -echo
Password:
stty echoConfiguration from DS config file:
- DS Install location: /opt/dsee7
- DS hostname: host
- DS port: 389

ldapsearch location: /opt/SUNWdsee/dsee6/bin

./ldapsearch -D "cn=Directory Manager" -j
"/var/tmp/dssetup_20140809091302/dssetup.pw" -p 389 -h host -b "cn=monitor"
-s base objectclass=top version 2>&1
./ldapsearch output: version: 1
./ldapsearch output: dn: cn=monitor
./ldapsearch output: version: Sun-Directory-Server/11.1.1.3.0 B2010.0630.2203
-- Detected DS versions:
full: 11.1.1.3.0
major: 11
minor: 1

```

```

micro: 1
patch: NONE

Detected DS version 11.1.1.3.0 on host port 389
-- Stored Dssetup data ver=6.4 rev=26.01, dctree=o=internet
ug=o=usergroup, schematype=1

Warning: This version of comm_dssetup.pl (6.4 26.01) has been run previously
(6.4 26.01), you do not need to run it again unless you wish to specify
different parameters to this program
Do you want to continue [y]:

Will this directory server be used for users/groups [yes]: A list of suffixes
are as follows:
o=mlusers
o=PiServerDb
o=pab
o=internet
o=usergroup
o=comms-config

Please enter the Users/Groups base suffix [o=usergroup] :
-----
has_naming_context_ds6 get-suffix-prop result:
db-name : usergroupdb2

-----
There are 3 possible schema types:
1 - schema 1
1.5 - schema 2 compatibility mode for schema 1 systems
that has been converted with commdirmig
2 - schema 2

Please enter the Schema Type (1, 1.5, 2) [1]:
Please enter the DC Tree base suffix [o=internet]:
Do you want to update the schema files [yes]:
Do you want to configure new indexes [yes]:
Do you want to Reindex the new indexes now [yes]:
Here is a summary of the settings that you chose:

Server Root : /var/opt/sun/directory
Server Instance : ds7
Users/Groups Directory : yes
Update Schema : yes
Schema Type : 1
DC Root : o=internet
User/Group Root : o=usergroup
Add New Indexes : yes
ReIndex New Indexes Now : yes
Directory Manager DN : cn=Directory Manager

Now ready to generate a shell script and ldif file to modify the Directory.
No changes to the Directory Server will be made this time.
Do you want to continue [y]:
Generating files...

Checking to see if Suffixes need to be added

```

```

-----
has_naming_context_ds6 get-suffix-prop result:
db-name : comms-configdb2

-----

-----
has_naming_context_ds6 get-suffix-prop result:
db-name : usergroupdb2

-----

-----
has_naming_context_ds6 get-suffix-prop result:
db-name : internetdb2

-----

-----
has_naming_context_ds6 get-suffix-prop result:
db-name : pabdb2

-----

-----
has_naming_context_ds6 get-suffix-prop result:
db-name : PiServerDbdb2

-----

-----
has_naming_context_ds6 get-suffix-prop result:
db-name : mlusersdb2

-----

Checking to see that uid uniqueness plugins are turned off
Plugin is already disabled

Adding indexes
Adding Indexes for User/group Tree (backend:usergroupdb2)
Checking indexes for cn
Index exists
Index eq found
Index pres found
Index sub found
Index eq exists
Default index pres found
Default index eq found
Default index sub found
No new indexes required
Checking indexes for cosspecifier
Index exists
Index eq found
Index pres found
Index pres exists
No new indexes required
Checking indexes for inetCos
Index exists

```

Index eq found
Index pres found
Index eq exists
No new indexes required
Checking indexes for memberOf
Index exists
Index eq found
Index pres found
Index sub found
Index eq exists
Index sub exists
No new indexes required
Checking indexes for mail
Index exists
Index eq found
Index pres found
Index sub found
Index pres exists
Index eq exists
Index approx does not exist
Index sub exists
Default index pres found
Default index eq found
Default index sub found
New indexes and Reindexing required
ReIndex will happen for index type mail
Checking indexes for groupid
Index exists
Index eq found
Index pres found
Index sub found
Index pres exists
Index eq exists
Index sub exists
No new indexes required
Checking indexes for mailAlternateAddress
Index exists
Index eq found
Index pres does not exist
Index eq exists
Index approx does not exist
Index sub does not exist
Default index eq found
New indexes and Reindexing required
ReIndex will happen for index type mailAlternateAddress
Checking indexes for icsCalendar
Index exists
Index eq found
Index pres found
Index sub found
Index approx found
Index pres exists
Index eq exists
Index approx exists
Index sub exists
No new indexes required
Checking indexes for ou
Index exists
Index eq found

Index pres found
Index pres exists
No new indexes required
Checking indexes for member
Index exists
Index eq found
Index eq exists
Default index eq found
No new indexes required
Checking indexes for uniqueMember
Index exists
Index eq found
Index eq exists
Default index eq found
No new indexes required
Checking indexes for mailEquivalentAddress
Index exists
Index eq found
Index pres found
Index sub found
Index approx found
Index pres exists
Index eq exists
Index approx exists
Index sub exists
No new indexes required
Checking indexes for deleted
Index exists
Index eq found
Index pres found
Index pres exists
Index eq exists
No new indexes required
Checking indexes for mgrpUniqueId
Index exists
Index eq found
Index pres found
Index eq exists
No new indexes required
Checking indexes for davuniqueid
Index exists
Index eq found
Index pres found
Index pres exists
Index eq exists
No new indexes required
Checking indexes for mailUserStatus
Index exists
Index eq found
Index pres found
Index pres exists
Index eq exists
No new indexes required
Checking indexes for icsCalendarOwned
Index exists
Index eq found
Index pres found
Index sub found
Index approx found

```

Index pres exists
Index eq exists
Index approx exists
Index sub exists
No new indexes required
Adding Indexes for DC Tree (backend:internetdb2)
Checking indexes for inetDomainBasedN
Index exists
Index eq found
Index pres found
Index pres exists
Index eq exists
No new indexes required
Checking indexes for inetCanonicalDomainName
Index exists
Index eq found
Index pres found
Index pres exists
Index eq exists
No new indexes required
Checking indexes for mailDomainStatus
Index exists
Index eq found
Index pres found
Index pres exists
Index eq exists
No new indexes required
Adding Indexes for PAB Tree (backend:pabdb2)
Checking indexes for memberOfManagedGroup
Index exists
Index eq found
Index pres found
Index pres exists
Index eq exists
No new indexes required
Checking indexes for memberOfPABGroup
Index exists
Index eq found
Index pres found
Index pres exists
Index eq exists
No new indexes required
Checking indexes for memberOfPAB
Index exists
Index eq found
Index pres found
Index pres exists
Index eq exists
No new indexes required
Checking indexes for un
Index exists
Index eq found
Index pres found
Index eq exists
No new indexes required
Adding Indexes for New PAB Tree (backend:PiServerDbdb2)
Checking indexes for MemberOfPiBook
Index exists
Index eq found

```

```

Index pres found
Index eq exists
No new indexes required
Checking indexes for MemberofPiGroup
Index exists
Index eq found
Index pres found
Index eq exists
No new indexes required
Checking indexes for displayname
Index exists
Index eq found
Index pres found
Index sub found
Index pres exists
Index eq exists
Index sub exists
No new indexes required
Adding Indexes for Mailing List Tree (backend:mlusersdb2)
Checking indexes for mail
Index exists
Index eq found
Index pres found
Index sub found
Index eq exists
Default index pres found
Default index eq found
Default index sub found
No new indexes required
Checking indexes for mlsubMail
Index exists
Index eq found
Index pres found
Index eq exists
No new indexes required
Checking indexes for mlsubListIdentifier
Index exists
Index eq found
Index pres found
Index eq exists
No new indexes required

Checking to see if DN needs to be created for suffixes

Generating ldif for installer metadata
Generating ldif for Adding schema for installer metadata
Generating ldif for updating DN for cn=CommServers,o=comms-config
The following files have been created:
/var/tmp/dssetup_20140809091302/dssetup.sh
/var/tmp/dssetup_20140809091302/dssetup.ldif

Running /var/tmp/dssetup_20140809091302/dssetup.sh will make changes to the
Directory
You can run this file now or at a later time
Ready to execute the script now.

Do you want to continue [y]:
Running /var/tmp/dssetup_20140809091302/dssetup.sh -D "cn=Directory Manager"
-j /var/tmp/dssetup_20140809091302/dssetup.pw

```

```

-- Updating Schema files...
-- Copying 20subscriber.ldif
-- Copying 50ns-delegated-admin.ldif
-- Copying 50ns-mail.ldif
-- Copying 50ns-mlm.ldif
-- Copying 50ns-msg.ldif
-- Copying 50ns-value.ldif
-- Copying 55ims-ical.ldif
-- Copying 56ims-schema.ldif
-- Copying 65im.ldif
-- Copying 70sun-schema2.ldif
-- Copying 71sun-am.ldif
-- Copying 60iplanet-calendar.ldif
-- Copying 50ns-iabs.ldif
-- Copying 98ns-dummy-uwc.ldif
-- Copying 70delgated-admin.ldif
-- Stopping Directory Server
Directory Server instance '/var/opt/sun/directory/ds7' stopped
-- Starting Directory Server
Directory Server instance '/var/opt/sun/directory/ds7' started: pid=16786
-- Applying ldif file /var/tmp/dssetup_20140809091302/dssetup.ldif
ldap_modify: Type or value exists
modifying entry cn=schema

modifying entry cn=schema

modifying entry cn=CommServers,o=comms-config

modifying entry cn=CommServers,o=comms-config

-- rejects to /var/tmp/dssetup_20140809091302/dssetup.ldif.rej status = 20
-- WARNING: ldapmodify returned 20
-- Done Applying ldif file /var/tmp/dssetup_20140809091302/dssetup.ldif

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mail approx-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mail o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup mail
approx-enabled:on

-- /opt/dsee7/bin/dsconf -t mail reindex o=usergroup
## usergroupdb2: Indexing attribute: mail
## usergroupdb2: Index buffer bucket size: 100
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t mail o=usergroup

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailAlternateAddress
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailAlternateAddress o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailAlternateAddress
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailAlternateAddress
approx-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailAlternateAddress o=usergroup" to reindex.

```



```
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailAlternateAddress
approx-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailAlternateAddress
sub-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailAlternateAddress o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailAlternateAddress
sub-enabled:on

-- /opt/dsee7/bin/dsconf -t mailAlternateAddress reindex o=usergroup
## usergroupdb2: Indexing attribute: mailAlternateAddress
## usergroupdb2: Index buffer bucket size: 100
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t mailAlternateAddress o=usergroup

Successful Completion. Consult /var/tmp/dssetup_20140809091302/dssetup.log
```

for details

[522 Sat Aug 09 09:16:27 root@host% /opt/sun/comms/dssetup#]

DSsetup 6.4.0.26.0 Sample Session - Existing Directory Server 7.0 Instance for Schema 2

DSsetup 6.4.0.26.0 Sample Session - Existing Directory Server 7.0 Instance for Schema 2

This section outlines the commands to run and lists a sample session.

Topics:

- [Comments](#)
- [Summary of Commands Run](#)
- [Session](#)

Comments

This sample session shows the output of `comm_dssetup.pl` on an existing Directory Server 7.0 instance for Schema 2.

Summary of Commands Run

```
535 ./sbin/comm_dssetup.pl
536 stty -echo
537 ls /var/tmp/dssetup_20140809092324
538 ls /var/tmp/dssetup_20140809092324/save
539 cat /var/tmp/dssetup_20140809092324/99user_new.ldif
540 cat /var/tmp/dssetup_20140809092324/dssetup.ldif
541 cat /var/tmp/dssetup_20140809092324/dssetup.ldif.rej
542 cat /var/tmp/dssetup_20140809092324/dssetup.sh
543 cat /var/tmp/dssetup_20140809092324/dssetup.log
```

Session

```
[535 Sat Aug 09 09:23:21 root@host% /opt/sun/comms/dssetup# ]
# ./sbin/comm_dssetup.pl

Welcome to the Directory Server preparation tool (Comms DSsetup) 6.4.0.26.0
for
Oracle Communications Unified Communications Suite
dssetup Version 6.4.0.26.0 (built Friday, April 18, 2014 09:07:22 PM UTC)

This tool prepares your directory server for use by the
communications services which include Messaging, Calendar and their
components.

The logfile is /var/tmp/dssetup_20140809092324/dssetup.log

Do you want to continue [y]:

Please enter the full path to the directory where the
Directory Server instance(s) reside ("server-root"), or
an explicit Directory Server instance directory
```

```

Directory server root [/var/opt/sun/directory] :

Please select a directory server instance from the following list:

[1] ds7

Which instance do you want [1]:

Please enter the directory manager DN [cn=Directory Manager]:

Password:

Configuration from DS config file:
- DS Install location: /opt/dsee7
- DS hostname: host
- DS port: 389

ldapsearch location: /opt/SUNWdsee/dsee6/bin

Detected DS version 11.1.1.3.0 on host port 389

Warning: This version of comm_dssetup.pl (6.4 26.01) has been run previously
(6.4 26.01), you do not need to run it again unless you wish to specify
different parameters to this program
Do you want to continue [y]:

Will this directory server be used for users/groups [yes]:

A list of suffixes are as follows:
o=mlusers
o=PiServerDb
o=pab
o=usergroup
o=comms-config

Please enter the Users/Groups base suffix [o=usergroup] :

There are 3 possible schema types:
1 - schema 1
1.5 - schema 2 compatibility mode for schema 1 systems
that has been converted with commdirmig
2 - schema 2

Please enter the Schema Type (1, 1.5, 2) [2]:

Do you want to update the schema files [yes]:

Do you want to configure new indexes [yes]:

Do you want to Reindex the new indexes now [yes]:

```

Here is a summary of the settings that you chose:

Server Root : /var/opt/sun/directory
Server Instance : ds7
Users/Groups Directory : yes
Update Schema : yes
Schema Type : 2
DC Root : o=usergroup
User/Group Root : o=usergroup
Add New Indexes : yes
ReIndex New Indexes Now : yes
Directory Manager DN : cn=Directory Manager

Now ready to generate a shell script and ldif file to modify the Directory.
No changes to the Directory Server will be made this time.
Do you want to continue [y]:

Generating files...

Checking to see if Suffixes need to be added

Checking to see that uid uniqueness plugins are turned off
Plugin is already disabled

Adding indexes
Adding Indexes for User/group Tree (backend:usergroupdb2)
Checking indexes for cn
No new indexes required
Checking indexes for cosspecifier
No new indexes required
Checking indexes for inetCos
No new indexes required
Checking indexes for memberOf
No new indexes required
Checking indexes for mail
New indexes and Reindexing required
ReIndex will happen for index type mail
Checking indexes for groupid
No new indexes required
Checking indexes for mailAlternateAddress
New indexes and Reindexing required
ReIndex will happen for index type mailAlternateAddress
Checking indexes for icsCalendar
No new indexes required
Checking indexes for ou
No new indexes required
Checking indexes for member
No new indexes required
Checking indexes for uniqueMember
No new indexes required
Checking indexes for mailEquivalentAddress
No new indexes required
Checking indexes for deleted
No new indexes required
Checking indexes for mgrpUniqueId
No new indexes required
Checking indexes for davuniqueid
No new indexes required

```

Checking indexes for mailUserStatus
No new indexes required
Checking indexes for icsCalendarOwned
No new indexes required
Adding Schema2 specific Indexes for User/Group Tree (backend:usergroupdb2)
Checking indexes for inetDomainBaseDN
No new indexes required
Checking indexes for sunOrganizationAlias
No new indexes required
Checking indexes for sunPreferredDomain
No new indexes required
Checking indexes for mailDomainStatus
No new indexes required
Checking indexes for o
No new indexes required
Checking indexes for associatedDomain
No new indexes required
Adding Indexes for PAB Tree (backend:pabdb2)
Checking indexes for memberOfManagedGroup
No new indexes required
Checking indexes for memberOfPABGroup
No new indexes required
Checking indexes for memberOfPAB
No new indexes required
Checking indexes for un
No new indexes required
Adding Indexes for New PAB Tree (backend:PiServerDbdb2)
Checking indexes for MemberOfPiBook
No new indexes required
Checking indexes for MemberofPiGroup
No new indexes required
Checking indexes for displayname
No new indexes required
Adding Indexes for Mailing List Tree (backend:mlusersdb2)
Checking indexes for mail
No new indexes required
Checking indexes for mlsubMail
No new indexes required
Checking indexes for mlsubListIdentifier
No new indexes required

Checking to see if DN needs to be created for suffixes

Generating ldif for installer metadata
Generating ldif for Adding schema for installer metadata
Generating ldif for updating DN for cn=CommServers,o=comms-config
The following files have been created:
/var/tmp/dssetup_20140809092324/dssetup.sh
/var/tmp/dssetup_20140809092324/dssetup.ldif

Running /var/tmp/dssetup_20140809092324/dssetup.sh will make changes to the
Directory
You can run this file now or at a later time
Ready to execute the script now.

Do you want to continue [y]:

Running /var/tmp/dssetup_20140809092324/dssetup.sh -D "cn=Directory Manager"
-j /var/tmp/dssetup_20140809092324/dssetup.pw

```

```

-- Updating Schema files...
-- Copying 20subscriber.ldif
-- Copying 50ns-delegated-admin.ldif
-- Copying 50ns-mail.ldif
-- Copying 50ns-mlm.ldif
-- Copying 50ns-msg.ldif
-- Copying 50ns-value.ldif
-- Copying 55ims-ical.ldif
-- Copying 56ims-schema.ldif
-- Copying 65im.ldif
-- Copying 70sun-schema2.ldif
-- Copying 71sun-am.ldif
-- Copying 60iplanet-calendar.ldif
-- Copying 50ns-iabs.ldif
-- Copying 98ns-dummy-uwc.ldif
-- Copying 70delgated-admin.ldif
-- Stopping Directory Server
Directory Server instance '/var/opt/sun/directory/ds7' stopped
-- Starting Directory Server
Directory Server instance '/var/opt/sun/directory/ds7' started: pid=17654
-- Applying ldif file /var/tmp/dssetup_20140809092324/dssetup.ldif
ldap_modify: Type or value exists
modifying entry cn=schema

modifying entry cn=schema

modifying entry cn=CommServers,o=comms-config

modifying entry cn=CommServers,o=comms-config

-- rejects to /var/tmp/dssetup_20140809092324/dssetup.ldif.rej status = 20
-- WARNING: ldapmodify returned 20
-- Done Applying ldif file /var/tmp/dssetup_20140809092324/dssetup.ldif

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mail approx-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mail o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup mail
approx-enabled:on

-- /opt/dsee7/bin/dsconf -t mail reindex o=usergroup
## usergroupdb2: Indexing attribute: mail
## usergroupdb2: Index buffer bucket size: 100
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t mail o=usergroup

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailAlternateAddress
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailAlternateAddress o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailAlternateAddress
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailAlternateAddress
approx-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailAlternateAddress o=usergroup" to reindex.

```

```

-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailAlternateAddress
approx-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailAlternateAddress
sub-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailAlternateAddress o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailAlternateAddress
sub-enabled:on

-- /opt/dsee7/bin/dsconf -t mailAlternateAddress reindex o=usergroup
## usergroupdb2: Indexing attribute: mailAlternateAddress
## usergroupdb2: Index buffer bucket size: 100
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t mailAlternateAddress o=usergroup

Successful Completion. Consult /var/tmp/dssetup_20140809092324/dssetup.log
for details
[536 Sat Aug 09 09:24:58 root@host% /opt/sun/comms/dssetup# ]
# stty -echo
stty -echo
[537 Sat Aug 09 09:25:22 root@host% /opt/sun/comms/dssetup# ]
# ls /var/tmp/dssetup_20140809092324
total 62
5 99user_new.ldif 30 dssetup.log
6 dssetup.ldif 14 dssetup.sh*
2 dssetup.ldif.rej 5 save/
[538 Sat Aug 09 09:25:34 root@host% /opt/sun/comms/dssetup# ]
# ls /var/tmp/dssetup_20140809092324/save
total 936
154 00core.ldif 7 50ns-mcd-li.ldif
16 00ds6pwp.ldif 42 50ns-mcd-mail.ldif
5 05rfc2247.ldif 3 50ns-media.ldif
3 05rfc2927.ldif 17 50ns-mlm.ldif
16 11rfc2307.ldif 107 50ns-msg.ldif
10 20subscriber.ldif 7 50ns-netshare.ldif
7 25java-object.ldif 5 50ns-news.ldif
19 28pilot.ldif 3 50ns-proxy.ldif
25 30ns-common.ldif 7 50ns-value.ldif
7 50iplanet-servicemgt.ldif 8 50ns-wcal.ldif
14 50ns-admin.ldif 4 50ns-web.ldif
15 50ns-calendar.ldif 21 55ims-ical.ldif
4 50ns-certificate.ldif 55 56ims-schema.ldif
24 50ns-compass.ldif 39 60iplanet-calendar.ldif
13 50ns-delegated-admin.ldif 14 65im.ldif
33 50ns-directory.ldif 17 70delgated-admin.ldif
67 50ns-iabs.ldif 8 70sun-schema2.ldif
4 50ns-legacy.ldif 57 71sun-am.ldif
18 50ns-mail.ldif 10 98ns-dummy-uwc.ldif
35 50ns-mcd-browser.ldif 5 99user.ldif
11 50ns-mcd-config.ldif
[539 Sat Aug 09 09:25:38 root@host% /opt/sun/comms/dssetup# ]
# cat /var/tmp/dssetup_20140809092324/99user_new.ldif
dn: cn=schema
objectClass: top
objectClass: ldapSubentry
objectClass: subschema

```



```

cn: schema
aci: (target="ldap:///cn=schema")(targetattr !="aci")(version 3.0;acl
"anonymo
us, no acis"; allow (read, search, compare) userdn = "ldap:///anyone";)
modifiersName: cn=directory manager
modifyTimestamp: 20140809161928Z
attributeTypes: ( sunExcludeServices-oid NAME 'sunExcludeServices' DESC
'servi
ces to be excluded specifically from the services available in the root suff
ix ' EQUALITY caseIgnoreMatch SYNTAX 1.3.6.1.4.1.1466.115.121.1.26 X-ORIGIN
'user defined' )
attributeTypes: ( 1.3.6.1.4.1.42.2.27.9.1.83 NAME 'sunkeyvalue' DESC
'Attribut
e to store the encoded key values of the services' SYNTAX 1.3.6.1.4.1.1466.1
15.121.1.26 X-ORIGIN ( 'Sun ONE Identity Management' 'user defined' ) )
objectClasses: ( 1.3.6.1.4.1.42.2.27.9.2.107 NAME 'sunIMConference' DESC
'Conf
erence Object' SUP top AUXILIARY MAY ( sunIMConferenceAffiliations $ sunIMCo
nferenceConfiguration $ cn $ uid ) X-ORIGIN 'user defined' )
objectClasses: ( 1.3.6.1.4.1.42.2.27.9.2.108 NAME 'sunIMNews' DESC 'Pubsub
Cha
nnel Object' SUP top AUXILIARY MAY ( sunIMNewsAffiliations $ sunIMNewsConfig
uration $ sunIMNewsMetaData $ cn $ uid ) X-ORIGIN 'user defined' )
objectClasses: ( 1.3.6.1.4.1.42.2.27.9.2.109 NAME 'sunIMStoredMessage' DESC
'S
tored Message Object' SUP top AUXILIARY MAY ( sunIMMessageID $ sunIMMessageC
ontent ) X-ORIGIN 'user defined' )
objectClasses: ( 1.3.6.1.4.1.42.2.27.9.2.27 NAME 'sunservicecomponent' DESC
'S
ub-components of the service' SUP top STRUCTURAL MUST ou MAY ( labeledUri $
sunserviceid $ sunsmspriority $ sunkeyvalue $ sunxmlkeyvalue $ description )
X-ORIGIN 'Sun Java System Identity Management' )
objectClasses: ( 1.3.6.1.4.1.42.2.27.2.1.39 NAME 'sunCommsMetaData' DESC
'Obje
ctclass for storing meta data for Sun Communication' SUP top STRUCTURAL MUST
cn MAY sunkeyvalue X-ORIGIN 'user defined' )
nsSchemaCSN: 53e64a1000000000000000

[540 Sat Aug 09 09:25:43 root@host% /opt/sun/comms/dssetup# ]
# cat /var/tmp/dssetup_20140809092324/dssetup.ldif
# This Ldif file contains the changes to be made to the Directory
# Run it like this:
# cd /opt/SUNWdsee/dsee6/bin
# ./ldapmodify -p 389 -h host -D binddn -j passwdfile -c -f
/var/tmp/dssetup_20140809092324/dssetup.ldif

#-----
# This section creates the installer metadata
#-----

#####
# dn: cn=schema
# Add the schema for sunkeyvalue. Required by sunCommsMetaData objectclass
# Note that sunkeyvalue may have already been added by Access Manager
#####
dn: cn=schema
changetype: modify
add: attributeTypes
attributeTypes: ( 1.3.6.1.4.1.42.2.27.9.1.83 NAME ( 'sunkeyvalue' ) DESC

```

```

'Attribute to store the encoded key values of the services' SYNTAX
1.3.6.1.4.1.1466.115.121.1.26 X-ORIGIN 'Sun ONE Identity Management' )

#####
# dn: cn=schema
# Add the schema for the Comm Servers installer metadata information
#####
dn: cn=schema
changetype: modify
add: objectClasses
objectClasses: ( 1.3.6.1.4.1.42.2.27.2.1.39 NAME 'sunCommsMetaData' DESC
'Objectclass for storing meta data for Sun Communication' SUP top STRUCTURAL
MUST ( cn ) MAY ( sunkeyvalue ) )

#####
# dn: cn=CommServers,o=comms-config
# Update the installer metadata for Comm Servers
#####
dn: cn=CommServers,o=comms-config
changetype: modify
replace: sunkeyvalue
sunkeyvalue: dssetup_ver=6.4
sunkeyvalue: dssetup_rev=26.01
sunkeyvalue: dcsuffix=o=usergroup
sunkeyvalue: ugsuffix=o=usergroup
sunkeyvalue: mlsuffix=o=mlusers
sunkeyvalue: schematype=2

#####
# dn: cn=CommServers,o=comms-config
# aci for anonymous read access
#####
dn: cn=CommServers,o=comms-config
changetype: modify
add: aci
aci:
(target="ldap:///cn=CommServers,o=comms-config")(targetattr!="aci")(version
3.0; acl "Anonymous access to dssetup config"; allow (read,search,compare)
userdn="ldap:///anyone");
[541 Sat Aug 09 09:25:48 root@host% /opt/sun/comms/dssetup# ]
# cat /var/tmp/dssetup_20140809092324/dssetup.ldif.rej
# Error: Type or value exists
dn: cn=CommServers,o=comms-config
changetype: modify
add: aci
aci:
(target="ldap:///cn=CommServers,o=comms-config")(targetattr!="aci")(version
3.0; acl "Anonymous access to dssetup config"; allow (read,search,compare)
userdn="ldap:///anyone");
[542 Sat Aug 09 09:25:55 root@host% /opt/sun/comms/dssetup# ]
# cat /var/tmp/dssetup_20140809092324/dssetup.sh
#!/bin/sh
# This shell script contains the commands to run against the Directory
#set -x

#
# Usage
#
usage()

```

```

{
echo "Usage: $0 -D <binddn> -j <passwdfile>"
echo "  -D binddn bind dn"
echo "  -j <passwdfile> read bind passwd from 'file' for simple
authentication"
exit 1
}

if [ $# -lt 1 ]
then
echo "You must specify either -j"
usage
fi

jflag=0
Dflag=0
while getopts D:j: c; do
case $c in
D)
Dflag=1
BINDDN=$OPTARG;;
j)
jflag=1
pflag=-j
parg=$OPTARG;;
\?)
usage;;
esac
done
shift `expr $OPTIND - 1`

if [ $Dflag -eq 0 ]
then
echo "You must specify the -D switch"
usage
fi

if [ $jflag -eq 0 ]
then
echo "You must specify -j"
usage
fi

if [ $# -ge 1 ]
then
echo "Unrecognized argument $"
usage
fi

if [ ` /usr/bin/id | cut -d= -f2 | cut -d\ ( -f1 ` != 0 ]
then
echo
echo "To run this utility you need to be the system's root user. \n"
echo
exit 1
fi

echo -- Updating Schema files...
echo -- Copying 20subscriber.ldif

```

```

cp /opt/sun/comms/dssetup/sbin/schema/20subscriber.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 50ns-delegated-admin.ldif
cp /opt/sun/comms/dssetup/sbin/schema/50ns-delegated-admin.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 50ns-mail.ldif
cp /opt/sun/comms/dssetup/sbin/schema/50ns-mail.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 50ns-mlm.ldif
cp /opt/sun/comms/dssetup/sbin/schema/50ns-mlm.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 50ns-msg.ldif
cp /opt/sun/comms/dssetup/sbin/schema/50ns-msg.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 50ns-value.ldif
cp /opt/sun/comms/dssetup/sbin/schema/50ns-value.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 55ims-ical.ldif
cp /opt/sun/comms/dssetup/sbin/schema/55ims-ical.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 56ims-schema.ldif
cp /opt/sun/comms/dssetup/sbin/schema/56ims-schema.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 65im.ldif
cp /opt/sun/comms/dssetup/sbin/schema/65im.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 70sun-schema2.ldif
cp /opt/sun/comms/dssetup/sbin/schema/70sun-schema2.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 71sun-am.ldif
cp /opt/sun/comms/dssetup/sbin/schema/71sun-am.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 60iplanet-calendar.ldif
cp /opt/sun/comms/dssetup/sbin/schema/60iplanet-calendar.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 50ns-iabs.ldif
cp /opt/sun/comms/dssetup/sbin/schema/50ns-iabs.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 98ns-dummy-uwc.ldif
cp /opt/sun/comms/dssetup/sbin/schema/98ns-dummy-uwc.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 70delgated-admin.ldif
cp /opt/sun/comms/dssetup/sbin/schema/70delgated-admin.ldif
/var/opt/sun/directory/ds7/config/schema

echo -- Stopping Directory Server
/opt/dsee7/bin/dsadm stop /var/opt/sun/directory/ds7
if [ $? != 0 ]; then
echo "Stopping the Directory server failed"
exit 1
fi
sleep 5

echo -- Starting Directory Server
/opt/dsee7/bin/dsadm start /var/opt/sun/directory/ds7
if [ $? != 0 ]; then
echo "The server may not have restarted properly"
echo "Please restart it manually"
fi

```

```

sleep 5

echo -- Applying ldif file /var/tmp/dssetup_20140809092324/dssetup.ldif
cd /opt/SUNWdsee/dsee6/bin
./ldapmodify -p 389 -h host -D "$BINDDN" $pflag "$parg" -c -e
/var/tmp/dssetup_20140809092324/dssetup.ldif.rej -f
/var/tmp/dssetup_20140809092324/dssetup.ldif
stat=$?
echo -- rejects to /var/tmp/dssetup_20140809092324/dssetup.ldif.rej status =
$stat
if [ $stat -eq 0 ]; then
echo "-- ldapmodify returned $stat"
elif [ $stat -eq 20 ]; then
echo "-- WARNING: ldapmodify returned $stat"
else
echo "-- ERROR: ldapmodify returned $stat"
exit $stat;
fi
echo -- Done Applying ldif file /var/tmp/dssetup_20140809092324/dssetup.ldif
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mail
approx-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=usergroup" "mail"
"approx-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop "o=usergroup" "mail"
"approx-enabled:on"
echo

echo -- /opt/dsee7/bin/dsconf -t mail reindex o=usergroup
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg" --port
389 --hostname host --unsecured -t "mail" "o=usergroup"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "mail" "o=usergroup"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailAlternateAddress
pres-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=usergroup" "mailAlternateAddress"
"pres-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop "o=usergroup"
"mailAlternateAddress" "pres-enabled:on"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailAlternateAddress
approx-enabled:on

```

```

/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=usergroup" "mailAlternateAddress"
"approx-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop "o=usergroup"
"mailAlternateAddress" "approx-enabled:on"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailAlternateAddress
sub-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=usergroup" "mailAlternateAddress"
"sub-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop "o=usergroup"
"mailAlternateAddress" "sub-enabled:on"
echo

echo -- /opt/dsee7/bin/dsconf -t mailAlternateAddress reindex o=usergroup
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg" --port
389 --hostname host --unsecured -t "mailAlternateAddress" "o=usergroup"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "mailAlternateAddress"
"o=usergroup"
echo
[543 Sat Aug 09 09:25:58 root@host% /opt/sun/comms/dssetup# ]
# cat /var/tmp/dssetup_20140809092324/dssetup.log
-----

Running /usr/bin/perl ./sbin/comm_dssetup.pl

Welcome to the Directory Server preparation tool (Comms DSsetup) 6.4.0.26.0
for
Oracle Communications Unified Communications Suite
dssetup Version 6.4.0.26.0 (built Friday, April 18, 2014 09:07:22 PM UTC)

This tool prepares your directory server for use by the
communications services which include Messaging, Calendar and their
components.

The logfile is /var/tmp/dssetup_20140809092324/dssetup.log

Do you want to continue [y]:

Please enter the full path to the directory where the
Directory Server instance(s) reside ("server-root"), or
an explicit Directory Server instance directory

Directory server root [/var/opt/sun/directory] :

```

Please select a directory server instance from the following list:

[1] ds7

Which instance do you want [1]:

Please enter the directory manager DN [cn=Directory Manager]:

stty -echo

Password:

stty echoConfiguration from DS config file:

- DS Install location: /opt/dsee7

- DS hostname: host

- DS port: 389

ldapsearch location: /opt/SUNWdsee/dsee6/bin

./ldapsearch -D "cn=Directory Manager" -j

"/var/tmp/dssetup_20140809092324/dssetup.pw" -p 389 -h host -b "cn=monitor"

-s base objectclass=top version 2>&1

./ldapsearch output: version: 1

./ldapsearch output: dn: cn=monitor

./ldapsearch output: version: Sun-Directory-Server/11.1.1.3.0 B2010.0630.2203

-- Detected DS versions:

full: 11.1.1.3.0

major: 11

minor: 1

micro: 1

patch: NONE

Detected DS version 11.1.1.3.0 on host port 389

-- Stored Dssetup data ver=6.4 rev=26.01, dctree=o=usergroup

ug=o=usergroup, schematype=2

Warning: This version of comm_dssetup.pl (6.4 26.01) has been run previously (6.4 26.01), you do not need to run it again unless you wish to specify different parameters to this program

Do you want to continue [y]:

Will this directory server be used for users/groups [yes]: A list of suffixes are as follows:

o=mlusers

o=PiServerDb

o=pab

o=usergroup

o=comms-config

Please enter the Users/Groups base suffix [o=usergroup] :

has_naming_context_ds6 get-suffix-prop result:

db-name : usergroupdb2

There are 3 possible schema types:

1 - schema 1

1.5 - schema 2 compatibility mode for schema 1 systems that has been converted with commdirmig

2 - schema 2

Please enter the Schema Type (1, 1.5, 2) [2]:

```
Do you want to update the schema files [yes]:
Do you want to configure new indexes [yes]:
Do you want to Reindex the new indexes now [yes]:
Here is a summary of the settings that you chose:
```

```
Server Root : /var/opt/sun/directory
Server Instance : ds7
Users/Groups Directory : yes
Update Schema : yes
Schema Type : 2
DC Root : o=usergroup
User/Group Root : o=usergroup
Add New Indexes : yes
ReIndex New Indexes Now : yes
Directory Manager DN : cn=Directory Manager
```

```
Now ready to generate a shell script and ldif file to modify the Directory.
No changes to the Directory Server will be made this time.
Do you want to continue [y]:
Generating files...
```

```
Checking to see if Suffixes need to be added
```

```
-----
has_naming_context_ds6 get-suffix-prop result:
db-name : comms-configdb2
```

```
-----
```

```
-----
has_naming_context_ds6 get-suffix-prop result:
db-name : usergroupdb2
```

```
-----
```

```
-----
has_naming_context_ds6 get-suffix-prop result:
db-name : pabdb2
```

```
-----
```

```
-----
has_naming_context_ds6 get-suffix-prop result:
db-name : PiServerDbdb2
```

```
-----
```

```
-----
has_naming_context_ds6 get-suffix-prop result:
db-name : mlusersdb2
```

```
-----
```

```
Checking to see that uid uniqueness plugins are turned off
Plugin is already disabled
```

```
Adding indexes
Adding Indexes for User/group Tree (backend:usergroupdb2)
```


Checking indexes for cn
Index exists
Index eq found
Index pres found
Index sub found
Index eq exists
Default index pres found
Default index eq found
Default index sub found
No new indexes required
Checking indexes for cosspecifier
Index exists
Index eq found
Index pres found
Index pres exists
No new indexes required
Checking indexes for inetCos
Index exists
Index eq found
Index pres found
Index eq exists
No new indexes required
Checking indexes for memberOf
Index exists
Index eq found
Index pres found
Index sub found
Index eq exists
Index sub exists
No new indexes required
Checking indexes for mail
Index exists
Index eq found
Index pres found
Index sub found
Index pres exists
Index eq exists
Index approx does not exist
Index sub exists
Default index pres found
Default index eq found
Default index sub found
New indexes and Reindexing required
ReIndex will happen for index type mail
Checking indexes for groupid
Index exists
Index eq found
Index pres found
Index sub found
Index pres exists
Index eq exists
Index sub exists
No new indexes required
Checking indexes for mailAlternateAddress
Index exists
Index eq found
Index pres does not exist
Index eq exists
Index approx does not exist

Index sub does not exist
Default index eq found
New indexes and Reindexing required
ReIndex will happen for index type mailAlternateAddress
Checking indexes for icsCalendar
Index exists
Index eq found
Index pres found
Index sub found
Index approx found
Index pres exists
Index eq exists
Index approx exists
Index sub exists
No new indexes required
Checking indexes for ou
Index exists
Index eq found
Index pres found
Index pres exists
No new indexes required
Checking indexes for member
Index exists
Index eq found
Index eq exists
Default index eq found
No new indexes required
Checking indexes for uniqueMember
Index exists
Index eq found
Index eq exists
Default index eq found
No new indexes required
Checking indexes for mailEquivalentAddress
Index exists
Index eq found
Index pres found
Index sub found
Index approx found
Index pres exists
Index eq exists
Index approx exists
Index sub exists
No new indexes required
Checking indexes for deleted
Index exists
Index eq found
Index pres found
Index pres exists
Index eq exists
No new indexes required
Checking indexes for mgrpUniqueId
Index exists
Index eq found
Index pres found
Index eq exists
No new indexes required
Checking indexes for davuniqueid
Index exists

```
Index eq found
Index pres found
Index pres exists
Index eq exists
No new indexes required
Checking indexes for mailUserStatus
Index exists
Index eq found
Index pres found
Index pres exists
Index eq exists
No new indexes required
Checking indexes for icsCalendarOwned
Index exists
Index eq found
Index pres found
Index sub found
Index approx found
Index pres exists
Index eq exists
Index approx exists
Index sub exists
No new indexes required
Adding Schema2 specific Indexes for User/Group Tree (backend:usergroupdb2)
Checking indexes for inetDomainBasedN
Index exists
Index eq found
Index pres found
Index pres exists
Index eq exists
No new indexes required
Checking indexes for sunOrganizationAlias
Index exists
Index eq found
Index pres found
Index pres exists
Index eq exists
No new indexes required
Checking indexes for sunPreferredDomain
Index exists
Index eq found
Index pres found
Index pres exists
Index eq exists
No new indexes required
Checking indexes for mailDomainStatus
Index exists
Index eq found
Index pres found
Index pres exists
Index eq exists
No new indexes required
Checking indexes for o
Index exists
Index eq found
Index pres found
Index pres exists
Index eq exists
No new indexes required
```

```

Checking indexes for associatedDomain
Index exists
Index eq found
Index pres found
Index pres exists
Index eq exists
No new indexes required
Adding Indexes for PAB Tree (backend:pabdb2)
Checking indexes for memberOfManagedGroup
Index exists
Index eq found
Index pres found
Index pres exists
Index eq exists
No new indexes required
Checking indexes for memberOfPABGroup
Index exists
Index eq found
Index pres found
Index pres exists
Index eq exists
No new indexes required
Checking indexes for memberOfPAB
Index exists
Index eq found
Index pres found
Index pres exists
Index eq exists
No new indexes required
Checking indexes for un
Index exists
Index eq found
Index pres found
Index eq exists
No new indexes required
Adding Indexes for New PAB Tree (backend:PiServerDbdb2)
Checking indexes for MemberOfPiBook
Index exists
Index eq found
Index pres found
Index eq exists
No new indexes required
Checking indexes for MemberofPiGroup
Index exists
Index eq found
Index pres found
Index eq exists
No new indexes required
Checking indexes for displayname
Index exists
Index eq found
Index pres found
Index sub found
Index pres exists
Index eq exists
Index sub exists
No new indexes required
Adding Indexes for Mailing List Tree (backend:mlusersdb2)
Checking indexes for mail

```

```

Index exists
Index eq found
Index pres found
Index sub found
Index eq exists
Default index pres found
Default index eq found
Default index sub found
No new indexes required
Checking indexes for mlsbMail
Index exists
Index eq found
Index pres found
Index eq exists
No new indexes required
Checking indexes for mlsbListIdentifier
Index exists
Index eq found
Index pres found
Index eq exists
No new indexes required

Checking to see if DN needs to be created for suffixes

Generating ldif for installer metadata
Generating ldif for Adding schema for installer metadata
Generating ldif for updating DN for cn=CommServers,o=comms-config
The following files have been created:
/var/tmp/dssetup_20140809092324/dssetup.sh
/var/tmp/dssetup_20140809092324/dssetup.ldif

Running /var/tmp/dssetup_20140809092324/dssetup.sh will make changes to the
Directory
You can run this file now or at a later time
Ready to execute the script now.

Do you want to continue [y]:
Running /var/tmp/dssetup_20140809092324/dssetup.sh -D "cn=Directory Manager"
-j /var/tmp/dssetup_20140809092324/dssetup.pw
-- Updating Schema files...
-- Copying 20subscriber.ldif
-- Copying 50ns-delegated-admin.ldif
-- Copying 50ns-mail.ldif
-- Copying 50ns-mlm.ldif
-- Copying 50ns-msg.ldif
-- Copying 50ns-value.ldif
-- Copying 55ims-ical.ldif
-- Copying 56ims-schema.ldif
-- Copying 65im.ldif
-- Copying 70sun-schema2.ldif
-- Copying 71sun-am.ldif
-- Copying 60iplanet-calendar.ldif
-- Copying 50ns-iabs.ldif
-- Copying 98ns-dummy-uwc.ldif
-- Copying 70delgated-admin.ldif
-- Stopping Directory Server
Directory Server instance '/var/opt/sun/directory/ds7' stopped
-- Starting Directory Server
Directory Server instance '/var/opt/sun/directory/ds7' started: pid=17654

```

```

-- Applying ldif file /var/tmp/dssetup_20140809092324/dssetup.ldif
ldap_modify: Type or value exists
modifying entry cn=schema

modifying entry cn=schema

modifying entry cn=CommServers,o=comms-config

modifying entry cn=CommServers,o=comms-config

-- rejects to /var/tmp/dssetup_20140809092324/dssetup.ldif.rej status = 20
-- WARNING: ldapmodify returned 20
-- Done Applying ldif file /var/tmp/dssetup_20140809092324/dssetup.ldif

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mail approx-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mail o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup mail
approx-enabled:on

-- /opt/dsee7/bin/dsconf -t mail reindex o=usergroup
## usergroupdb2: Indexing attribute: mail
## usergroupdb2: Index buffer bucket size: 100
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t mail o=usergroup

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailAlternateAddress
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailAlternateAddress o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailAlternateAddress
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailAlternateAddress
approx-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailAlternateAddress o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailAlternateAddress
approx-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailAlternateAddress
sub-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailAlternateAddress o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailAlternateAddress
sub-enabled:on

-- /opt/dsee7/bin/dsconf -t mailAlternateAddress reindex o=usergroup
## usergroupdb2: Indexing attribute: mailAlternateAddress
## usergroupdb2: Index buffer bucket size: 100
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t mailAlternateAddress o=usergroup

Successful Completion. Consult /var/tmp/dssetup_20140809092324/dssetup.log

```

for details

```
[544 Sat Aug 09 09:26:02 root@host% /opt/sun/comms/dssetup# ]
```

DSsetup 6.4.0.26.0 Sample Session - Fresh Directory Server 7.0 Instance for Schema 1

DSsetup 6.4.0.26.0 Sample Session - Fresh Directory Server 7.0 Instance for Schema 1

This section outlines the commands to run and lists a sample session.

Topics:

- [Summary of Commands Run](#)
- [Comments](#)
- [Session](#)

Summary of Commands Run

```
504 ./sbin/comm_dssetup.pl
505 stty -echo
506 ls /var/tmp/dssetup_20140809090531
507 ls /var/tmp/dssetup_20140809090531/save
508 cat /var/tmp/dssetup_20140809090531/99user_new.ldif
509 cat /var/tmp/dssetup_20140809090531/dssetup.ldif
510 cat /var/tmp/dssetup_20140809090531/dssetup.sh
511 cat /var/tmp/dssetup_20140809090531/dssetup.log
```

Comments

This sample session shows the output of `comm_dssetup.pl` on a fresh Directory Server 7.0 instance for Schema 1.

Session

```
[504 Sat Aug 09 09:05:22 root@host% /opt/sun/comms/dssetup# ]
# ./sbin/comm_dssetup.pl

Welcome to the Directory Server preparation tool (Comms DSsetup) 6.4.0.26.0
for
Oracle Communications Unified Communications Suite
dssetup Version 6.4.0.26.0 (built Friday, April 18, 2014 09:07:22 PM UTC)

This tool prepares your directory server for use by the
communications services which include Messaging, Calendar and their
components.

The logfile is /var/tmp/dssetup_20140809090531/dssetup.log

Do you want to continue [y]:

Please enter the full path to the directory where the
Directory Server instance(s) reside ("server-root"), or
an explicit Directory Server instance directory
```



```

Directory server root [/var/opt/sun/directory] :

Please select a directory server instance from the following list:

[1] ds7

Which instance do you want [1]:

Please enter the directory manager DN [cn=Directory Manager]:

Password:

Configuration from DS config file:
- DS Install location: /opt/dsee7
- DS hostname: host
- DS port: 389

ldapsearch location: /opt/SUNWdsee/dsee6/bin

Detected DS version 11.1.1.3.0 on host port 389

Will this directory server be used for users/groups [yes]:

WARNING: No default suffix found in the Directory
A list of suffixes are as follows:
No Suffixes Found

Please enter the Users/Groups base suffix [o=usergroup] :

There are 3 possible schema types:
1 - schema 1
1.5 - schema 2 compatibility mode for schema 1 systems
that has been converted with commdirmig
2 - schema 2

Please enter the Schema Type (1, 1.5, 2) [2]: 1

Please enter the DC Tree base suffix [o=internet]:

Do you want to update the schema files [yes]:

Do you want to configure new indexes [yes]:

Do you want to Reindex the new indexes now [yes]:

Here is a summary of the settings that you chose:

Server Root : /var/opt/sun/directory
Server Instance : ds7
Users/Groups Directory : yes
Update Schema : yes
Schema Type : 1
DC Root : o=internet
User/Group Root : o=usergroup
Add New Indexes : yes
ReIndex New Indexes Now : yes
Directory Manager DN : cn=Directory Manager

```

Now ready to generate a shell script and ldif file to modify the Directory.
No changes to the Directory Server will be made this time.
Do you want to continue [y]:

Generating files...

Checking to see if Suffixes need to be added
Will Create suffix o=comms-config
Will Create suffix o=usergroup
Will Create suffix o=internet
Will Create suffix o=pab
Will Create suffix o=PiServerDb
Will Create suffix o=mlusers

Checking to see that uid uniqueness plugins are turned off
Plugin is already disabled

Adding indexes
Adding Indexes for User/group Tree (backend:usergroupdb2)
Checking indexes for cn
No new indexes required
Checking indexes for cosspecifier
New indexes and Reindexing required
ReIndex will happen for index type cosspecifier
Checking indexes for inetCos
New indexes and Reindexing required
ReIndex will happen for index type inetCos
Checking indexes for memberOf
New indexes and Reindexing required
ReIndex will happen for index type memberOf
Checking indexes for mail
No new indexes required
Checking indexes for groupid
New indexes and Reindexing required
ReIndex will happen for index type groupid
Checking indexes for mailAlternateAddress
No new indexes required
Checking indexes for icsCalendar
New indexes and Reindexing required
ReIndex will happen for index type icsCalendar
Checking indexes for ou
New indexes and Reindexing required
ReIndex will happen for index type ou
Checking indexes for member
No new indexes required
Checking indexes for uniqueMember
No new indexes required
Checking indexes for mailEquivalentAddress
New indexes and Reindexing required
ReIndex will happen for index type mailEquivalentAddress
Checking indexes for deleted
New indexes and Reindexing required
ReIndex will happen for index type deleted
Checking indexes for mgrpUniqueId
New indexes and Reindexing required
ReIndex will happen for index type mgrpUniqueId
Checking indexes for davuniqueid

```

New indexes and Reindexing required
ReIndex will happen for index type davuniqueid
Checking indexes for mailUserStatus
New indexes and Reindexing required
ReIndex will happen for index type mailUserStatus
Checking indexes for icsCalendarOwned
New indexes and Reindexing required
ReIndex will happen for index type icsCalendarOwned
Adding Indexes for DC Tree (backend:internetdb2)
Checking indexes for inetDomainBaseDN
New indexes and Reindexing required
ReIndex will happen for index type inetDomainBaseDN
Checking indexes for inetCanonicalDomainName
New indexes and Reindexing required
ReIndex will happen for index type inetCanonicalDomainName
Checking indexes for mailDomainStatus
New indexes and Reindexing required
ReIndex will happen for index type mailDomainStatus
Adding Indexes for PAB Tree (backend:pabdb2)
Checking indexes for memberOfManagedGroup
New indexes and Reindexing required
ReIndex will happen for index type memberOfManagedGroup
Checking indexes for memberOfPABGroup
New indexes and Reindexing required
ReIndex will happen for index type memberOfPABGroup
Checking indexes for memberOfPAB
New indexes and Reindexing required
ReIndex will happen for index type memberOfPAB
Checking indexes for un
New indexes and Reindexing required
ReIndex will happen for index type un
Adding Indexes for New PAB Tree (backend:PiServerDbdb2)
Checking indexes for MemberOfPiBook
New indexes and Reindexing required
ReIndex will happen for index type MemberOfPiBook
Checking indexes for MemberofPiGroup
New indexes and Reindexing required
ReIndex will happen for index type MemberofPiGroup
Checking indexes for displayname
New indexes and Reindexing required
ReIndex will happen for index type displayname
Adding Indexes for Mailing List Tree (backend:mlusersdb2)
Checking indexes for mail
No new indexes required
Checking indexes for mlsubMail
New indexes and Reindexing required
ReIndex will happen for index type mlsubMail
Checking indexes for mlsubListIdentifier
New indexes and Reindexing required
ReIndex will happen for index type mlsubListIdentifier

Checking to see if DN needs to be created for suffixes

Generating ldif for installer metadata
Generating ldif for Adding schema for installer metadata
Generating ldif for Creating DN: cn=CommServers,o=comms-config
The following files have been created:
/var/tmp/dssetup_20140809090531/dssetup.sh
/var/tmp/dssetup_20140809090531/dssetup.ldif

```

Running /var/tmp/dssetup_20140809090531/dssetup.sh will make changes to the Directory
You can run this file now or at a later time
Ready to execute the script now.

Do you want to continue [y]:

```
Running /var/tmp/dssetup_20140809090531/dssetup.sh -D "cn=Directory Manager"
-j /var/tmp/dssetup_20140809090531/dssetup.pw
-- Updating Schema files...
-- Copying 20subscriber.ldif
-- Copying 50ns-delegated-admin.ldif
-- Copying 50ns-mail.ldif
-- Copying 50ns-mlm.ldif
-- Copying 50ns-msg.ldif
-- Copying 50ns-value.ldif
-- Copying 55ims-ical.ldif
-- Copying 56ims-schema.ldif
-- Copying 65im.ldif
-- Copying 70sun-schema2.ldif
-- Copying 71sun-am.ldif
-- Copying 60iplanet-calendar.ldif
-- Copying 50ns-iabs.ldif
-- Copying 98ns-dummy-uwc.ldif
-- Copying 70delgated-admin.ldif
-- Stopping Directory Server
Directory Server instance '/var/opt/sun/directory/ds7' stopped
-- Starting Directory Server
Directory Server instance '/var/opt/sun/directory/ds7' started: pid=16234
-- Creating Suffix o=comms-config
-- Done Creating o=comms-config

-- Creating Suffix o=usergroup
-- Done Creating o=usergroup

-- Creating Suffix o=internet
-- Done Creating o=internet

-- Creating Suffix o=pab
-- Done Creating o=pab

-- Creating Suffix o=PiServerDb
-- Done Creating o=PiServerDb

-- Creating Suffix o=mlusers
-- Done Creating o=mlusers

-- Applying ldif file /var/tmp/dssetup_20140809090531/dssetup.ldif
modifying entry cn=schema

modifying entry cn=schema

adding new entry cn=CommServers,o=comms-config

-- rejects to /var/tmp/dssetup_20140809090531/dssetup.ldif.rej status = 0
-- ldapmodify returned 0
-- Done Applying ldif file /var/tmp/dssetup_20140809090531/dssetup.ldif
```

```

-- /opt/dsee7/bin/dsconf create-index o=usergroup cosspecifier
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup cosspecifier

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup cosspecifier
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr cosspecifier o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup cosspecifier
pres-enabled:on

-- /opt/dsee7/bin/dsconf -t cosspecifier reindex o=usergroup
## usergroupdb2: Indexing attribute: cosspecifier
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t cosspecifier o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup inetCos
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup inetCos

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup inetCos eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr inetCos o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup inetCos
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t inetCos reindex o=usergroup
## usergroupdb2: Indexing attribute: inetCos
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t inetCos o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup memberOf
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup memberOf

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup memberOf eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr memberOf o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup memberOf
eq-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup memberOf sub-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr memberOf o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup memberOf
sub-enabled:on

-- /opt/dsee7/bin/dsconf -t memberOf reindex o=usergroup
## usergroupdb2: Indexing attribute: memberOf
## usergroupdb2: Index buffer bucket size: 100
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t memberOf o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup groupid

```

```

-- Done /opt/dsee7/bin/dsconf create-index o=usergroup groupid

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup groupid pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr groupid o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup groupid
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup groupid eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr groupid o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup groupid
eq-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup groupid sub-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr groupid o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup groupid
sub-enabled:on

-- /opt/dsee7/bin/dsconf -t groupid reindex o=usergroup
## usergroupdb2: Indexing attribute: groupid
## usergroupdb2: Index buffer bucket size: 100
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t groupid o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup icsCalendar
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup icsCalendar

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr icsCalendar o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr icsCalendar o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar
eq-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar
approx-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr icsCalendar o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar
approx-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar
sub-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr icsCalendar o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar
sub-enabled:on

-- /opt/dsee7/bin/dsconf -t icsCalendar reindex o=usergroup

```

```

## usergroupdb2: Indexing attribute: icsCalendar
## usergroupdb2: Index buffer bucket size: 100
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t icsCalendar o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup ou
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup ou

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup ou pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr ou o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup ou pres-enabled:on

-- /opt/dsee7/bin/dsconf -t ou reindex o=usergroup
## usergroupdb2: Indexing attribute: ou
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t ou o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup mailEquivalentAddress
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup mailEquivalentAddress

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailEquivalentAddress
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailEquivalentAddress o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailEquivalentAddress pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailEquivalentAddress
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailEquivalentAddress o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailEquivalentAddress eq-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailEquivalentAddress
approx-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailEquivalentAddress o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailEquivalentAddress approx-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailEquivalentAddress
sub-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailEquivalentAddress o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailEquivalentAddress sub-enabled:on

-- /opt/dsee7/bin/dsconf -t mailEquivalentAddress reindex o=usergroup
## usergroupdb2: Indexing attribute: mailEquivalentAddress
## usergroupdb2: Index buffer bucket size: 100
## usergroupdb2: Finished indexing.

```

```

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t mailEquivalentAddress o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup deleted
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup deleted

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup deleted pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr deleted o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup deleted
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup deleted eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr deleted o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup deleted
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t deleted reindex o=usergroup
## usergroupdb2: Indexing attribute: deleted
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t deleted o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup mgrpUniqueId
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup mgrpUniqueId

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mgrpUniqueId
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mgrpUniqueId o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup mgrpUniqueId
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t mgrpUniqueId reindex o=usergroup
## usergroupdb2: Indexing attribute: mgrpUniqueId
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t mgrpUniqueId o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup davuniqueid
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup davuniqueid

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup davuniqueid
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr davuniqueid o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup davuniqueid
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup davuniqueid eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr davuniqueid o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup davuniqueid
eq-enabled:on

```



```

-- /opt/dsee7/bin/dsconf -t davuniqueid reindex o=usergroup
## usergroupdb2: Indexing attribute: davuniqueid
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t davuniqueid o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup mailUserStatus
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup mailUserStatus

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailUserStatus
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailUserStatus o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailUserStatus
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailUserStatus
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailUserStatus o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailUserStatus
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t mailUserStatus reindex o=usergroup
## usergroupdb2: Indexing attribute: mailUserStatus
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t mailUserStatus o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup icsCalendarOwned
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup icsCalendarOwned

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendarOwned
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr icsCalendarOwned o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendarOwned
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendarOwned
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr icsCalendarOwned o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendarOwned
eq-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendarOwned
approx-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr icsCalendarOwned o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendarOwned
approx-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendarOwned

```

```

sub-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr icsCalendarOwned o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendarOwned
sub-enabled:on

-- /opt/dsee7/bin/dsconf -t icsCalendarOwned reindex o=usergroup
## usergroupdb2: Indexing attribute: icsCalendarOwned
## usergroupdb2: Index buffer bucket size: 100
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t icsCalendarOwned o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=internet inetDomainBaseDN
-- Done /opt/dsee7/bin/dsconf create-index o=internet inetDomainBaseDN

-- /opt/dsee7/bin/dsconf set-index-prop o=internet inetDomainBaseDN
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr inetDomainBaseDN o=internet" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=internet inetDomainBaseDN
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=internet inetDomainBaseDN
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr inetDomainBaseDN o=internet" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=internet inetDomainBaseDN
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t inetDomainBaseDN reindex o=internet
## internetdb2: Indexing attribute: inetDomainBaseDN
## internetdb2: Index buffer bucket size: 0
## internetdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t inetDomainBaseDN o=internet

-- /opt/dsee7/bin/dsconf create-index o=internet inetCanonicalDomainName
-- Done /opt/dsee7/bin/dsconf create-index o=internet inetCanonicalDomainName

-- /opt/dsee7/bin/dsconf set-index-prop o=internet inetCanonicalDomainName
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr inetCanonicalDomainName o=internet" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=internet
inetCanonicalDomainName pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=internet inetCanonicalDomainName
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr inetCanonicalDomainName o=internet" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=internet
inetCanonicalDomainName eq-enabled:on

-- /opt/dsee7/bin/dsconf -t inetCanonicalDomainName reindex o=internet
## internetdb2: Indexing attribute: inetCanonicalDomainName
## internetdb2: Index buffer bucket size: 0

```

```

## internetdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t inetCanonicalDomainName o=internet

-- /opt/dsee7/bin/dsconf create-index o=internet mailDomainStatus
-- Done /opt/dsee7/bin/dsconf create-index o=internet mailDomainStatus

-- /opt/dsee7/bin/dsconf set-index-prop o=internet mailDomainStatus
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailDomainStatus o=internet" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=internet mailDomainStatus
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=internet mailDomainStatus
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailDomainStatus o=internet" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=internet mailDomainStatus
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t mailDomainStatus reindex o=internet
## internetdb2: Indexing attribute: mailDomainStatus
## internetdb2: Index buffer bucket size: 0
## internetdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t mailDomainStatus o=internet

-- /opt/dsee7/bin/dsconf create-index o=pab memberOfManagedGroup
-- Done /opt/dsee7/bin/dsconf create-index o=pab memberOfManagedGroup

-- /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfManagedGroup
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr memberOfManagedGroup o=pab" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfManagedGroup
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfManagedGroup
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr memberOfManagedGroup o=pab" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfManagedGroup
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t memberOfManagedGroup reindex o=pab
## pabdb2: Indexing attribute: memberOfManagedGroup
## pabdb2: Index buffer bucket size: 0
## pabdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t memberOfManagedGroup o=pab

-- /opt/dsee7/bin/dsconf create-index o=pab memberOfPABGroup
-- Done /opt/dsee7/bin/dsconf create-index o=pab memberOfPABGroup

-- /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPABGroup

```

```

pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr memberOfPABGroup o=pab" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPABGroup
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPABGroup eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr memberOfPABGroup o=pab" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPABGroup
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t memberOfPABGroup reindex o=pab
## pabdb2: Indexing attribute: memberOfPABGroup
## pabdb2: Index buffer bucket size: 0
## pabdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t memberOfPABGroup o=pab

-- /opt/dsee7/bin/dsconf create-index o=pab memberOfPAB
-- Done /opt/dsee7/bin/dsconf create-index o=pab memberOfPAB

-- /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPAB pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr memberOfPAB o=pab" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPAB
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPAB eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr memberOfPAB o=pab" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPAB eq-enabled:on

-- /opt/dsee7/bin/dsconf -t memberOfPAB reindex o=pab
## pabdb2: Indexing attribute: memberOfPAB
## pabdb2: Index buffer bucket size: 0
## pabdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t memberOfPAB o=pab

-- /opt/dsee7/bin/dsconf create-index o=pab un
-- Done /opt/dsee7/bin/dsconf create-index o=pab un

-- /opt/dsee7/bin/dsconf set-index-prop o=pab un eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr un o=pab" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=pab un eq-enabled:on

-- /opt/dsee7/bin/dsconf -t un reindex o=pab
## pabdb2: Indexing attribute: un
## pabdb2: Index buffer bucket size: 0
## pabdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t un o=pab

-- /opt/dsee7/bin/dsconf create-index o=PiServerDb MemberOfPiBook

```

```

-- Done /opt/dsee7/bin/dsconf create-index o=PiServerDb MemberOfPiBook

-- /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb MemberOfPiBook
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr MemberOfPiBook o=PiServerDb" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb MemberOfPiBook
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t MemberOfPiBook reindex o=PiServerDb
## PiServerDbdb2: Indexing attribute: MemberOfPiBook
## PiServerDbdb2: Index buffer bucket size: 0
## PiServerDbdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t MemberOfPiBook o=PiServerDb

-- /opt/dsee7/bin/dsconf create-index o=PiServerDb MemberofPiGroup
-- Done /opt/dsee7/bin/dsconf create-index o=PiServerDb MemberofPiGroup

-- /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb MemberofPiGroup
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr MemberofPiGroup o=PiServerDb" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb MemberofPiGroup
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t MemberofPiGroup reindex o=PiServerDb
## PiServerDbdb2: Indexing attribute: MemberofPiGroup
## PiServerDbdb2: Index buffer bucket size: 0
## PiServerDbdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t MemberofPiGroup o=PiServerDb

-- /opt/dsee7/bin/dsconf create-index o=PiServerDb displayname
-- Done /opt/dsee7/bin/dsconf create-index o=PiServerDb displayname

-- /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb displayname
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr displayname o=PiServerDb" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb displayname
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb displayname
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr displayname o=PiServerDb" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb displayname
eq-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb displayname
sub-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr displayname o=PiServerDb" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb displayname
sub-enabled:on

```

```

-- /opt/dsee7/bin/dsconf -t displayname reindex o=PiServerDb
## PiServerDbdb2: Indexing attribute: displayname
## PiServerDbdb2: Index buffer bucket size: 100
## PiServerDbdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t displayname o=PiServerDb

-- /opt/dsee7/bin/dsconf create-index o=mlusers mlsubMail
-- Done /opt/dsee7/bin/dsconf create-index o=mlusers mlsubMail

-- /opt/dsee7/bin/dsconf set-index-prop o=mlusers mlsubMail eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mlsubMail o=mlusers" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=mlusers mlsubMail
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t mlsubMail reindex o=mlusers
## mlusersdb2: Indexing attribute: mlsubMail
## mlusersdb2: Index buffer bucket size: 0
## mlusersdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t mlsubMail o=mlusers

-- /opt/dsee7/bin/dsconf create-index o=mlusers mlsubListIdentifier
-- Done /opt/dsee7/bin/dsconf create-index o=mlusers mlsubListIdentifier

-- /opt/dsee7/bin/dsconf set-index-prop o=mlusers mlsubListIdentifier
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mlsubListIdentifier o=mlusers" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=mlusers mlsubListIdentifier
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t mlsubListIdentifier reindex o=mlusers
## mlusersdb2: Indexing attribute: mlsubListIdentifier
## mlusersdb2: Index buffer bucket size: 0
## mlusersdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t mlsubListIdentifier o=mlusers

Successful Completion. Consult /var/tmp/dssetup_20140809090531/dssetup.log
for details
[505 Sat Aug 09 09:09:21 root@host% /opt/sun/comms/dssetup# ]
# stty -echo
[506 Sat Aug 09 09:09:38 root@host% /opt/sun/comms/dssetup# ]
# ls /var/tmp/dssetup_20140809090531
total 178
2 99user_new.ldif 73 dssetup.log 5 save/
5 dssetup.ldif 93 dssetup.sh*
[507 Sat Aug 09 09:09:59 root@host% /opt/sun/comms/dssetup# ]
# ls /var/tmp/dssetup_20140809090531/save
total 637
154 00core.ldif 17 50ns-mail.ldif
16 00ds6pwp.ldif 35 50ns-mcd-browser.ldif
5 05rfc2247.ldif 11 50ns-mcd-config.ldif
3 05rfc2927.ldif 7 50ns-mcd-li.ldif

```

```

16 11rfc2307.ldif 42 50ns-mcd-mail.ldif
10 20subscriber.ldif 3 50ns-media.ldif
7 25java-object.ldif 16 50ns-mlm.ldif
19 28pilot.ldif 100 50ns-msg.ldif
25 30ns-common.ldif 7 50ns-netshare.ldif
7 50iplanet-servicemgt.ldif 5 50ns-news.ldif
14 50ns-admin.ldif 3 50ns-proxy.ldif
15 50ns-calendar.ldif 7 50ns-value.ldif
4 50ns-certificate.ldif 8 50ns-wcal.ldif
24 50ns-compass.ldif 4 50ns-web.ldif
14 50ns-delegated-admin.ldif 2 99user.ldif
33 50ns-directory.ldif
4 50ns-legacy.ldif
[508 Sat Aug 09 09:10:05 root@host% /opt/sun/comms/dssetup# ]
# cat /var/tmp/dssetup_20140809090531/99user_new.ldif
#
# Copyright 2003 Sun Microsystems, Inc. All Rights Reserved
# Patents Pending.Use is subject to license terms.
#
#
# PROPRIETARY/CONFIDENTIAL. Use of this product is subject to
# license terms. Copyright (c) 2001 Sun Microsystems, Inc.
# Some preexisting portions Copyright (c) 2001 Netscape Communications Corp.
# All rights reserved.
#
#
# User-defined schema
#
dn: cn=schema
[509 Sat Aug 09 09:10:16 root@host% /opt/sun/comms/dssetup# ]
# cat /var/tmp/dssetup_20140809090531/dssetup.ldif
# This Ldif file contains the changes to be made to the Directory
# Run it like this:
# cd /opt/SUNWdsee/dsee6/bin
# ./ldapmodify -p 389 -h host -D binddn -j passwdfile -c -f
/var/tmp/dssetup_20140809090531/dssetup.ldif

#-----
# This section creates the installer metadata
#-----

#####
# dn: cn=schema
# Add the schema for sunkeyvalue. Required by sunCommsMetaData objectclass
# Note that sunkeyvalue may have already been added by Access Manager
#####
dn: cn=schema
changetype: modify
add: attributeTypes
attributeTypes: ( 1.3.6.1.4.1.42.2.27.9.1.83 NAME ( 'sunkeyvalue' ) DESC
'Attribute to store the encoded key values of the services' SYNTAX
1.3.6.1.4.1.1466.115.121.1.26 X-ORIGIN 'Sun ONE Identity Management' )

#####
# dn: cn=schema
# Add the schema for the Comm Servers installer metadata information
#####
dn: cn=schema
changetype: modify

```

```

add: objectClasses
objectClasses: ( 1.3.6.1.4.1.42.2.27.2.1.39 NAME 'sunCommsMetaData' DESC
'Objectclass for storing meta data for Sun Communication' SUP top STRUCTURAL
MUST ( cn ) MAY ( sunkeyvalue ) )

#####
# dn: cn=CommServers,o=comms-config
# Create the DN for the installer metadata for Comm Servers
#####
dn: cn=CommServers,o=comms-config
changetype: add
objectclass: top
objectclass: sunCommsMetaData
sunkeyvalue: dssetup_ver=6.4
sunkeyvalue: dssetup_rev=26.01
sunkeyvalue: dcsuffix=o=internet
sunkeyvalue: ugsuffix=o=usergroup
sunkeyvalue: mlsuffix=o=mlusers
sunkeyvalue: schematype=1
aci:
(target="ldap:///cn=CommServers,o=comms-config")(targetattr!="aci")(version
3.0; acl "Anonymous access to dssetup config"; allow (read,search,compare)
userdn="ldap:///anyone";)
[510 Sat Aug 09 09:10:23 root@host% /opt/sun/comms/dssetup# ]
# cat /var/tmp/dssetup_20140809090531/dssetup.sh
#!/bin/sh
# This shell script contains the commands to run against the Directory
#set -x

#
# Usage
#
usage()
{
echo "Usage: $0 -D <binddn> -j <passwdfile>"
echo "  -D binddn bind dn"
echo "  -j <passwdfile> read bind passwd from 'file' for simple
authentication"
exit 1
}

if [ $# -lt 1 ]
then
echo "You must specify either -j"
usage
fi

jflag=0
Dflag=0
while getopts D:j: c; do
case $c in
D)
Dflag=1
BINDDN=$OPTARG;;
j)
jflag=1
pflag=-j
parg=$OPTARG;;
\?)

```



```

usage;;
esac
done
shift `expr $OPTIND - 1`

if [ $Dflag -eq 0 ]
then
echo "You must specify the -D switch"
usage
fi

if [ $jflag -eq 0 ]
then
echo "You must specify -j"
usage
fi

if [ $# -ge 1 ]
then
echo "Unrecognized argument $"
usage
fi

if [ `usr/bin/id | cut -d= -f2 | cut -d\ ( -f1` != 0 ]
then
echo
echo "To run this utility you need to be the system's root user. \n"
echo
exit 1
fi

echo -- Updating Schema files...
echo -- Copying 20subscriber.ldif
cp /opt/sun/comms/dssetup/sbin/schema/20subscriber.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 50ns-delegated-admin.ldif
cp /opt/sun/comms/dssetup/sbin/schema/50ns-delegated-admin.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 50ns-mail.ldif
cp /opt/sun/comms/dssetup/sbin/schema/50ns-mail.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 50ns-mlm.ldif
cp /opt/sun/comms/dssetup/sbin/schema/50ns-mlm.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 50ns-msg.ldif
cp /opt/sun/comms/dssetup/sbin/schema/50ns-msg.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 50ns-value.ldif
cp /opt/sun/comms/dssetup/sbin/schema/50ns-value.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 55ims-ical.ldif
cp /opt/sun/comms/dssetup/sbin/schema/55ims-ical.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 56ims-schema.ldif
cp /opt/sun/comms/dssetup/sbin/schema/56ims-schema.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 65im.ldif
cp /opt/sun/comms/dssetup/sbin/schema/65im.ldif
/var/opt/sun/directory/ds7/config/schema

```

```

echo -- Copying 70sun-schema2.ldif
cp /opt/sun/comms/dssetup/sbin/schema/70sun-schema2.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 71sun-am.ldif
cp /opt/sun/comms/dssetup/sbin/schema/71sun-am.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 60iplanet-calendar.ldif
cp /opt/sun/comms/dssetup/sbin/schema/60iplanet-calendar.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 50ns-iabs.ldif
cp /opt/sun/comms/dssetup/sbin/schema/50ns-iabs.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 98ns-dummy-uwc.ldif
cp /opt/sun/comms/dssetup/sbin/schema/98ns-dummy-uwc.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 70delgated-admin.ldif
cp /opt/sun/comms/dssetup/sbin/schema/70delgated-admin.ldif
/var/opt/sun/directory/ds7/config/schema

echo -- Stopping Directory Server
/opt/dsee7/bin/dsadm stop /var/opt/sun/directory/ds7
if [ $? != 0 ]; then
echo "Stopping the Directory server failed"
exit 1
fi
sleep 5

echo -- Starting Directory Server
/opt/dsee7/bin/dsadm start /var/opt/sun/directory/ds7
if [ $? != 0 ]; then
echo "The server may not have restarted properly"
echo "Please restart it manually"
fi
sleep 5

echo -- Creating Suffix o=comms-config
/opt/dsee7/bin/dsconf create-suffix --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured --db-name comms-configdb2
o=comms-config
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-suffix returned $stat"
fi
echo -- Done Creating o=comms-config
echo

echo -- Creating Suffix o=usergroup
/opt/dsee7/bin/dsconf create-suffix --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured --db-name usergroupdb2 o=usergroup
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-suffix returned $stat"
fi
echo -- Done Creating o=usergroup
echo

echo -- Creating Suffix o=internet
/opt/dsee7/bin/dsconf create-suffix --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured --db-name internetdb2 o=internet

```

```

stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-suffix returned $stat"
fi
echo -- Done Creating o=internet
echo

echo -- Creating Suffix o=pab
/opt/dsee7/bin/dsconf create-suffix --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured --db-name pabdb2 o=pab
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-suffix returned $stat"
fi
echo -- Done Creating o=pab
echo

echo -- Creating Suffix o=PiServerDb
/opt/dsee7/bin/dsconf create-suffix --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured --db-name PiServerDbdb2 o=PiServerDb
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-suffix returned $stat"
fi
echo -- Done Creating o=PiServerDb
echo

echo -- Creating Suffix o=mlusers
/opt/dsee7/bin/dsconf create-suffix --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured --db-name mlusersdb2 o=mlusers
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-suffix returned $stat"
fi
echo -- Done Creating o=mlusers
echo

echo -- Applying ldif file /var/tmp/dssetup_20140809090531/dssetup.ldif
cd /opt/SUNWdsee/dsee6/bin
./ldapmodify -p 389 -h host -D "$BINDDN" $pflag "$parg" -c -e
/var/tmp/dssetup_20140809090531/dssetup.ldif.rej -f
/var/tmp/dssetup_20140809090531/dssetup.ldif
stat=$?
echo -- rejects to /var/tmp/dssetup_20140809090531/dssetup.ldif.rej status =
$stat
if [ $stat -eq 0 ]; then
echo "-- ldapmodify returned $stat"
elif [ $stat -eq 20 ]; then
echo "-- WARNING: ldapmodify returned $stat"
else
echo "-- ERROR: ldapmodify returned $stat"
exit $stat;
fi
echo -- Done Applying ldif file /var/tmp/dssetup_20140809090531/dssetup.ldif
echo

echo -- /opt/dsee7/bin/dsconf create-index o=usergroup cosspecifier
/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=usergroup" "cosspecifier"

```

```

stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=usergroup" "cosspecifier"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup cosspecifier
pres-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=usergroup" "cosspecifier"
"pres-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup cosspecifier
pres-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf -t cosspecifier reindex o=usergroup
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg" --port
389 --hostname host --unsecured -t "cosspecifier" "o=usergroup"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "cosspecifier" "o=usergroup"
echo

echo -- /opt/dsee7/bin/dsconf create-index o=usergroup inetCos
/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=usergroup" "inetCos"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=usergroup" "inetCos"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup inetCos
eq-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=usergroup" "inetCos"
"eq-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup inetCos
eq-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf -t inetCos reindex o=usergroup
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg" --port
389 --hostname host --unsecured -t "inetCos" "o=usergroup"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"

```

```

fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "inetCos" "o=usergroup"
echo

echo -- /opt/dsee7/bin/dsconf create-index o=usergroup memberOf
/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=usergroup" "memberOf"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=usergroup" "memberOf"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup memberOf
eq-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=usergroup" "memberOf"
"eq-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup memberOf
eq-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup memberOf
sub-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=usergroup" "memberOf"
"sub-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup memberOf
sub-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf -t memberOf reindex o=usergroup
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg" --port
389 --hostname host --unsecured -t "memberOf" "o=usergroup"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "memberOf" "o=usergroup"
echo

echo -- /opt/dsee7/bin/dsconf create-index o=usergroup groupid
/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=usergroup" "groupid"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=usergroup" "groupid"
echo

```

```

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup groupid
pres-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=usergroup" "groupid"
"pres-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup groupid
pres-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup groupid
eq-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=usergroup" "groupid"
"eq-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup groupid
eq-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup groupid
sub-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=usergroup" "groupid"
"sub-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup groupid
sub-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf -t groupid reindex o=usergroup
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg" --port
389 --hostname host --unsecured -t "groupid" "o=usergroup"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "groupid" "o=usergroup"
echo

echo -- /opt/dsee7/bin/dsconf create-index o=usergroup icsCalendar
/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=usergroup" "icsCalendar"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=usergroup" "icsCalendar"
echo

```

```

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar
pres-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=usergroup" "icsCalendar"
"pres-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar
pres-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar
eq-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=usergroup" "icsCalendar"
"eq-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar
eq-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar
approx-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=usergroup" "icsCalendar"
"approx-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar
approx-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar
sub-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=usergroup" "icsCalendar"
"sub-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar
sub-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf -t icsCalendar reindex o=usergroup
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg" --port
389 --hostname host --unsecured -t "icsCalendar" "o=usergroup"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"

```

```

fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "icsCalendar" "o=usergroup"
echo

echo -- /opt/dsee7/bin/dsconf create-index o=usergroup ou
/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=usergroup" "ou"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=usergroup" "ou"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup ou pres-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=usergroup" "ou" "pres-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup ou
pres-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf -t ou reindex o=usergroup
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg" --port
389 --hostname host --unsecured -t "ou" "o=usergroup"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "ou" "o=usergroup"
echo

echo -- /opt/dsee7/bin/dsconf create-index o=usergroup mailEquivalentAddress
/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=usergroup" "mailEquivalentAddress"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=usergroup"
"mailEquivalentAddress"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailEquivalentAddress pres-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=usergroup" "mailEquivalentAddress"
"pres-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailEquivalentAddress pres-enabled:on
echo

```



```

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailEquivalentAddress eq-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=usergroup" "mailEquivalentAddress"
"eq-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailEquivalentAddress eq-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailEquivalentAddress approx-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=usergroup" "mailEquivalentAddress"
"approx-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailEquivalentAddress approx-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailEquivalentAddress sub-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=usergroup" "mailEquivalentAddress"
"sub-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailEquivalentAddress sub-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf -t mailEquivalentAddress reindex o=usergroup
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg" --port
389 --hostname host --unsecured -t "mailEquivalentAddress" "o=usergroup"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "mailEquivalentAddress"
"o=usergroup"
echo

echo -- /opt/dsee7/bin/dsconf create-index o=usergroup deleted
/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=usergroup" "deleted"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=usergroup" "deleted"
echo

```

```

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup deleted
pres-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=usergroup" "deleted"
"pres-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup deleted
pres-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup deleted
eq-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=usergroup" "deleted"
"eq-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup deleted
eq-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf -t deleted reindex o=usergroup
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg" --port
389 --hostname host --unsecured -t "deleted" "o=usergroup"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "deleted" "o=usergroup"
echo

echo -- /opt/dsee7/bin/dsconf create-index o=usergroup mgrpUniqueId
/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=usergroup" "mgrpUniqueId"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=usergroup" "mgrpUniqueId"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mgrpUniqueId
eq-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=usergroup" "mgrpUniqueId"
"eq-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup mgrpUniqueId
eq-enabled:on
echo

```

```

echo -- /opt/dsee7/bin/dsconf -t mgrpUniqueId reindex o=usergroup
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg" --port
389 --hostname host --unsecured -t "mgrpUniqueId" "o=usergroup"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "mgrpUniqueId" "o=usergroup"
echo

echo -- /opt/dsee7/bin/dsconf create-index o=usergroup davuniqueid
/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=usergroup" "davuniqueid"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=usergroup" "davuniqueid"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup davuniqueid
pres-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=usergroup" "davuniqueid"
"pres-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup davuniqueid
pres-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup davuniqueid
eq-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=usergroup" "davuniqueid"
"eq-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup davuniqueid
eq-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf -t davuniqueid reindex o=usergroup
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg" --port
389 --hostname host --unsecured -t "davuniqueid" "o=usergroup"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "davuniqueid" "o=usergroup"
echo

echo -- /opt/dsee7/bin/dsconf create-index o=usergroup mailUserStatus
/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file "$parg"

```

```

--port 389 --hostname host --unsecured "o=usergroup" "mailUserStatus"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=usergroup"
"mailUserStatus"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailUserStatus
pres-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=usergroup" "mailUserStatus"
"pres-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailUserStatus
pres-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailUserStatus
eq-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=usergroup" "mailUserStatus"
"eq-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailUserStatus
eq-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf -t mailUserStatus reindex o=usergroup
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg" --port
389 --hostname host --unsecured -t "mailUserStatus" "o=usergroup"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "mailUserStatus" "o=usergroup"
echo

echo -- /opt/dsee7/bin/dsconf create-index o=usergroup icsCalendarOwned
/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=usergroup" "icsCalendarOwned"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=usergroup"
"icsCalendarOwned"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendarOwned
pres-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"

```

```

--port 389 --hostname host --unsecured "o=usergroup" "icsCalendarOwned"
"pres-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
icsCalendarOwned pres-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendarOwned
eq-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=usergroup" "icsCalendarOwned"
"eq-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
icsCalendarOwned eq-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendarOwned
approx-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=usergroup" "icsCalendarOwned"
"approx-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
icsCalendarOwned approx-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendarOwned
sub-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=usergroup" "icsCalendarOwned"
"sub-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
icsCalendarOwned sub-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf -t icsCalendarOwned reindex o=usergroup
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg" --port
389 --hostname host --unsecured -t "icsCalendarOwned" "o=usergroup"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "icsCalendarOwned"
"o=usergroup"
echo

```

```

echo -- /opt/dsee7/bin/dsconf create-index o=internet inetDomainBaseDN
/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=internet" "inetDomainBaseDN"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=internet"
"inetDomainBaseDN"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=internet inetDomainBaseDN
pres-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=internet" "inetDomainBaseDN"
"pres-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=internet inetDomainBaseDN
pres-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=internet inetDomainBaseDN
eq-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=internet" "inetDomainBaseDN"
"eq-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=internet inetDomainBaseDN
eq-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf -t inetDomainBaseDN reindex o=internet
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg" --port
389 --hostname host --unsecured -t "inetDomainBaseDN" "o=internet"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "inetDomainBaseDN" "o=internet"
echo

echo -- /opt/dsee7/bin/dsconf create-index o=internet inetCanonicalDomainName
/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=internet" "inetCanonicalDomainName"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=internet"
"inetCanonicalDomainName"
echo

```

```

echo -- /opt/dsee7/bin/dsconf set-index-prop o=internet
inetCanonicalDomainName pres-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=internet" "inetCanonicalDomainName"
"pres-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=internet
inetCanonicalDomainName pres-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=internet
inetCanonicalDomainName eq-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=internet" "inetCanonicalDomainName"
"eq-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=internet
inetCanonicalDomainName eq-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf -t inetCanonicalDomainName reindex o=internet
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg" --port
389 --hostname host --unsecured -t "inetCanonicalDomainName" "o=internet"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "inetCanonicalDomainName"
"o=internet"
echo

echo -- /opt/dsee7/bin/dsconf create-index o=internet mailDomainStatus
/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=internet" "mailDomainStatus"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=internet"
"mailDomainStatus"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=internet mailDomainStatus
pres-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=internet" "mailDomainStatus"
"pres-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=internet mailDomainStatus
pres-enabled:on

```

```

echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=internet mailDomainStatus
eq-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=internet" "mailDomainStatus"
"eq-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=internet mailDomainStatus
eq-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf -t mailDomainStatus reindex o=internet
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg" --port
389 --hostname host --unsecured -t "mailDomainStatus" "o=internet"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "mailDomainStatus" "o=internet"
echo

echo -- /opt/dsee7/bin/dsconf create-index o=pab memberOfManagedGroup
/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=pab" "memberOfManagedGroup"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=pab"
"memberOfManagedGroup"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfManagedGroup
pres-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=pab" "memberOfManagedGroup"
"pres-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfManagedGroup
pres-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfManagedGroup
eq-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=pab" "memberOfManagedGroup"
"eq-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfManagedGroup

```



```

eq-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf -t memberOfManagedGroup reindex o=pab
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg" --port
389 --hostname host --unsecured -t "memberOfManagedGroup" "o=pab"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "memberOfManagedGroup" "o=pab"
echo

echo -- /opt/dsee7/bin/dsconf create-index o=pab memberOfPABGroup
/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=pab" "memberOfPABGroup"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=pab" "memberOfPABGroup"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPABGroup
pres-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=pab" "memberOfPABGroup"
"pres-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPABGroup
pres-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPABGroup
eq-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=pab" "memberOfPABGroup"
"eq-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPABGroup
eq-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf -t memberOfPABGroup reindex o=pab
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg" --port
389 --hostname host --unsecured -t "memberOfPABGroup" "o=pab"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "memberOfPABGroup" "o=pab"
echo

```

```

echo -- /opt/dsee7/bin/dsconf create-index o=pab memberOfPAB
/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=pab" "memberOfPAB"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=pab" "memberOfPAB"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPAB
pres-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=pab" "memberOfPAB"
"pres-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPAB
pres-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPAB eq-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=pab" "memberOfPAB" "eq-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPAB
eq-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf -t memberOfPAB reindex o=pab
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg" --port
389 --hostname host --unsecured -t "memberOfPAB" "o=pab"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "memberOfPAB" "o=pab"
echo

echo -- /opt/dsee7/bin/dsconf create-index o=pab un
/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=pab" "un"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=pab" "un"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=pab un eq-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=pab" "un" "eq-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then

```

```

echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=pab un eq-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf -t un reindex o=pab
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg" --port
389 --hostname host --unsecured -t "un" "o=pab"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "un" "o=pab"
echo

echo -- /opt/dsee7/bin/dsconf create-index o=PiServerDb MemberOfPiBook
/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=PiServerDb" "MemberOfPiBook"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=PiServerDb"
"MemberOfPiBook"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb MemberOfPiBook
eq-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=PiServerDb" "MemberOfPiBook"
"eq-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb MemberOfPiBook
eq-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf -t MemberOfPiBook reindex o=PiServerDb
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg" --port
389 --hostname host --unsecured -t "MemberOfPiBook" "o=PiServerDb"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "MemberOfPiBook" "o=PiServerDb"
echo

echo -- /opt/dsee7/bin/dsconf create-index o=PiServerDb MemberofPiGroup
/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=PiServerDb" "MemberofPiGroup"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=PiServerDb"
"MemberofPiGroup"
echo

```

```

echo -- /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb MemberofPiGroup
eq-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=PiServerDb" "MemberofPiGroup"
"eq-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb
MemberofPiGroup eq-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf -t MemberofPiGroup reindex o=PiServerDb
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg" --port
389 --hostname host --unsecured -t "MemberofPiGroup" "o=PiServerDb"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "MemberofPiGroup"
"o=PiServerDb"
echo

echo -- /opt/dsee7/bin/dsconf create-index o=PiServerDb displayname
/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=PiServerDb" "displayname"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=PiServerDb" "displayname"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb displayname
pres-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=PiServerDb" "displayname"
"pres-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb displayname
pres-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb displayname
eq-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=PiServerDb" "displayname"
"eq-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb displayname
eq-enabled:on

```

```

echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb displayname
sub-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=PiServerDb" "displayname"
"sub-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb displayname
sub-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf -t displayname reindex o=PiServerDb
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg" --port
389 --hostname host --unsecured -t "displayname" "o=PiServerDb"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "displayname" "o=PiServerDb"
echo

echo -- /opt/dsee7/bin/dsconf create-index o=mlusers msubMail
/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=mlusers" "msubMail"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=mlusers" "msubMail"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=mlusers msubMail
eq-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=mlusers" "msubMail"
"eq-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=mlusers msubMail
eq-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf -t msubMail reindex o=mlusers
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg" --port
389 --hostname host --unsecured -t "msubMail" "o=mlusers"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "msubMail" "o=mlusers"
echo

echo -- /opt/dsee7/bin/dsconf create-index o=mlusers msubListIdentifier

```

```

/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=mlusers" "mlsubListIdentifier"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=mlusers"
"mlsubListIdentifier"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=mlusers mlsubListIdentifier
eq-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=mlusers" "mlsubListIdentifier"
"eq-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=mlusers
mlsubListIdentifier eq-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf -t mlsubListIdentifier reindex o=mlusers
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg" --port
389 --hostname host --unsecured -t "mlsubListIdentifier" "o=mlusers"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "mlsubListIdentifier"
"o=mlusers"
echo
[511 Sat Aug 09 09:10:25 root@host% /opt/sun/comms/dssetup# ]
# cat /var/tmp/dssetup_20140809090531/dssetup.log
-----

Running /usr/bin/perl ./sbin/comm_dssetup.pl

Welcome to the Directory Server preparation tool (Comms DSsetup) 6.4.0.26.0
for
Oracle Communications Unified Communications Suite
dssetup Version 6.4.0.26.0 (built Friday, April 18, 2014 09:07:22 PM UTC)

This tool prepares your directory server for use by the
communications services which include Messaging, Calendar and their
components.

The logfile is /var/tmp/dssetup_20140809090531/dssetup.log

Do you want to continue [y]:

Please enter the full path to the directory where the
Directory Server instance(s) reside ("server-root"), or
an explicit Directory Server instance directory

Directory server root [/var/opt/sun/directory] :

Please select a directory server instance from the following list:

```

[1] ds7

Which instance do you want [1]:

Please enter the directory manager DN [cn=Directory Manager]:

stty -echo

Password:

stty echoConfiguration from DS config file:

- DS Install location: /opt/dsee7

- DS hostname: host

- DS port: 389

ldapsearch location: /opt/SUNWdsee/dsee6/bin

./ldapsearch -D "cn=Directory Manager" -j

"/var/tmp/dssetup_20140809090531/dssetup.pw" -p 389 -h host -b "cn=monitor"

-s base objectclass=top version 2>&1

./ldapsearch output: version: 1

./ldapsearch output: dn: cn=monitor

./ldapsearch output: version: Sun-Directory-Server/11.1.1.3.0 B2010.0630.2203

-- Detected DS versions:

full: 11.1.1.3.0

major: 11

minor: 1

micro: 1

patch: NONE

Detected DS version 11.1.1.3.0 on host port 389

-- Stored Dssetup data ver=0 rev=0, dctree=

ug=, schematype=

Will this directory server be used for users/groups [yes]: WARNING: No
default suffix found in the Directory

A list of suffixes are as follows:

No Suffixes Found

Please enter the Users/Groups base suffix [o=usergroup] :

has_naming_context_ds6 get-suffix-prop result:

"o=usergroup": suffix does not exist.

The "get-suffix-prop" operation failed on "host:389".

There are 3 possible schema types:

1 - schema 1

1.5 - schema 2 compatibility mode for schema 1 systems
that has been converted with commdirmig

2 - schema 2

Please enter the Schema Type (1, 1.5, 2) [2]: 1

Please enter the DC Tree base suffix [o=internet]:

Do you want to update the schema files [yes]:

Do you want to configure new indexes [yes]:

Do you want to Reindex the new indexes now [yes]:

Here is a summary of the settings that you chose:

Server Root : /var/opt/sun/directory

Server Instance : ds7

```
Users/Groups Directory : yes
Update Schema : yes
Schema Type : 1
DC Root : o=internet
User/Group Root : o=usergroup
Add New Indexes : yes
ReIndex New Indexes Now : yes
Directory Manager DN : cn=Directory Manager
```

```
Now ready to generate a shell script and ldif file to modify the Directory.
No changes to the Directory Server will be made this time.
Do you want to continue [y]:
Generating files...
```

```
Checking to see if Suffixes need to be added
```

```
-----
has_naming_context_ds6 get-suffix-prop result:
"o=comms-config": suffix does not exist.
The "get-suffix-prop" operation failed on "host:389".
```

```
-----
Will Create suffix o=comms-config
```

```
-----
has_naming_context_ds6 get-suffix-prop result:
"o=usergroup": suffix does not exist.
The "get-suffix-prop" operation failed on "host:389".
```

```
-----
Will Create suffix o=usergroup
```

```
-----
has_naming_context_ds6 get-suffix-prop result:
"o=internet": suffix does not exist.
The "get-suffix-prop" operation failed on "host:389".
```

```
-----
Will Create suffix o=internet
```

```
-----
has_naming_context_ds6 get-suffix-prop result:
"o=pab": suffix does not exist.
The "get-suffix-prop" operation failed on "host:389".
```

```
-----
Will Create suffix o=pab
```

```
-----
has_naming_context_ds6 get-suffix-prop result:
"o=PiServerDb": suffix does not exist.
The "get-suffix-prop" operation failed on "host:389".
```

```
-----
Will Create suffix o=PiServerDb
```

```
-----
has_naming_context_ds6 get-suffix-prop result:
```



```

"o=mlusers": suffix does not exist.
The "get-suffix-prop" operation failed on "host:389".

-----
Will Create suffix o=mlusers

Checking to see that uid uniqueness plugins are turned off
Plugin is already disabled

Adding indexes
Adding Indexes for User/group Tree (backend:usergroupdb2)
Checking indexes for cn
Default index DN exists
Default index pres found
Default index eq found
Default index sub found
No new indexes required
Checking indexes for cosspecifier
Index does not exist
Index pres does not exist
New indexes and Reindexing required
ReIndex will happen for index type cosspecifier
Checking indexes for inetCos
Index does not exist
Index eq does not exist
New indexes and Reindexing required
ReIndex will happen for index type inetCos
Checking indexes for memberOf
Index does not exist
Index eq does not exist
Index sub does not exist
New indexes and Reindexing required
ReIndex will happen for index type memberOf
Checking indexes for mail
Default index DN exists
Default index pres found
Default index eq found
Default index sub found
No new indexes required
Checking indexes for groupid
Index does not exist
Index pres does not exist
Index eq does not exist
Index sub does not exist
New indexes and Reindexing required
ReIndex will happen for index type groupid
Checking indexes for mailAlternateAddress
Default index DN exists
Default index eq found
No new indexes required
Checking indexes for icsCalendar
Index does not exist
Index pres does not exist
Index eq does not exist
Index approx does not exist
Index sub does not exist
New indexes and Reindexing required
ReIndex will happen for index type icsCalendar
Checking indexes for ou

```

```

Index does not exist
Index pres does not exist
New indexes and Reindexing required
ReIndex will happen for index type ou
Checking indexes for member
Default index DN exists
Default index eq found
No new indexes required
Checking indexes for uniqueMember
Default index DN exists
Default index eq found
No new indexes required
Checking indexes for mailEquivalentAddress
Index does not exist
Index pres does not exist
Index eq does not exist
Index approx does not exist
Index sub does not exist
New indexes and Reindexing required
ReIndex will happen for index type mailEquivalentAddress
Checking indexes for deleted
Index does not exist
Index pres does not exist
Index eq does not exist
New indexes and Reindexing required
ReIndex will happen for index type deleted
Checking indexes for mgrpUniqueId
Index does not exist
Index eq does not exist
New indexes and Reindexing required
ReIndex will happen for index type mgrpUniqueId
Checking indexes for davuniqueid
Index does not exist
Index pres does not exist
Index eq does not exist
New indexes and Reindexing required
ReIndex will happen for index type davuniqueid
Checking indexes for mailUserStatus
Index does not exist
Index pres does not exist
Index eq does not exist
New indexes and Reindexing required
ReIndex will happen for index type mailUserStatus
Checking indexes for icsCalendarOwned
Index does not exist
Index pres does not exist
Index eq does not exist
Index approx does not exist
Index sub does not exist
New indexes and Reindexing required
ReIndex will happen for index type icsCalendarOwned
Adding Indexes for DC Tree (backend:internetdb2)
Checking indexes for inetDomainBaseDN
Index does not exist
Index pres does not exist
Index eq does not exist
New indexes and Reindexing required
ReIndex will happen for index type inetDomainBaseDN
Checking indexes for inetCanonicalDomainName

```

```

Index does not exist
Index pres does not exist
Index eq does not exist
New indexes and Reindexing required
ReIndex will happen for index type inetCanonicalDomainName
Checking indexes for mailDomainStatus
Index does not exist
Index pres does not exist
Index eq does not exist
New indexes and Reindexing required
ReIndex will happen for index type mailDomainStatus
Adding Indexes for PAB Tree (backend:pabdb2)
Checking indexes for memberOfManagedGroup
Index does not exist
Index pres does not exist
Index eq does not exist
New indexes and Reindexing required
ReIndex will happen for index type memberOfManagedGroup
Checking indexes for memberOfPABGroup
Index does not exist
Index pres does not exist
Index eq does not exist
New indexes and Reindexing required
ReIndex will happen for index type memberOfPABGroup
Checking indexes for memberOfPAB
Index does not exist
Index pres does not exist
Index eq does not exist
New indexes and Reindexing required
ReIndex will happen for index type memberOfPAB
Checking indexes for un
Index does not exist
Index eq does not exist
New indexes and Reindexing required
ReIndex will happen for index type un
Adding Indexes for New PAB Tree (backend:PiServerDbdb2)
Checking indexes for MemberOfPiBook
Index does not exist
Index eq does not exist
New indexes and Reindexing required
ReIndex will happen for index type MemberOfPiBook
Checking indexes for MemberofPiGroup
Index does not exist
Index eq does not exist
New indexes and Reindexing required
ReIndex will happen for index type MemberofPiGroup
Checking indexes for displayname
Index does not exist
Index pres does not exist
Index eq does not exist
Index sub does not exist
New indexes and Reindexing required
ReIndex will happen for index type displayname
Adding Indexes for Mailing List Tree (backend:mlusersdb2)
Checking indexes for mail
Default index DN exists
Default index pres found
Default index eq found
Default index sub found

```

```

No new indexes required
Checking indexes for mlsbMail
Index does not exist
Index eq does not exist
New indexes and Reindexing required
ReIndex will happen for index type mlsbMail
Checking indexes for mlsbListIdentifier
Index does not exist
Index eq does not exist
New indexes and Reindexing required
ReIndex will happen for index type mlsbListIdentifier

Checking to see if DN needs to be created for suffixes

Generating ldif for installer metadata
Generating ldif for Adding schema for installer metadata
Generating ldif for Creating DN: cn=CommServers,o=comms-config
The following files have been created:
/var/tmp/dssetup_20140809090531/dssetup.sh
/var/tmp/dssetup_20140809090531/dssetup.ldif

Running /var/tmp/dssetup_20140809090531/dssetup.sh will make changes to the
Directory
You can run this file now or at a later time
Ready to execute the script now.

Do you want to continue [y]:
Running /var/tmp/dssetup_20140809090531/dssetup.sh -D "cn=Directory Manager"
-j /var/tmp/dssetup_20140809090531/dssetup.pw
-- Updating Schema files...
-- Copying 20subscriber.ldif
-- Copying 50ns-delegated-admin.ldif
-- Copying 50ns-mail.ldif
-- Copying 50ns-mlm.ldif
-- Copying 50ns-msg.ldif
-- Copying 50ns-value.ldif
-- Copying 55ims-ical.ldif
-- Copying 56ims-schema.ldif
-- Copying 65im.ldif
-- Copying 70sun-schema2.ldif
-- Copying 71sun-am.ldif
-- Copying 60iplanet-calendar.ldif
-- Copying 50ns-iabs.ldif
-- Copying 98ns-dummy-uwc.ldif
-- Copying 70delgated-admin.ldif
-- Stopping Directory Server
Directory Server instance '/var/opt/sun/directory/ds7' stopped
-- Starting Directory Server
Directory Server instance '/var/opt/sun/directory/ds7' started: pid=16234
-- Creating Suffix o=comms-config
-- Done Creating o=comms-config

-- Creating Suffix o=usergroup
-- Done Creating o=usergroup

-- Creating Suffix o=internet
-- Done Creating o=internet

-- Creating Suffix o=pab

```

```

-- Done Creating o=pab

-- Creating Suffix o=PiServerDb
-- Done Creating o=PiServerDb

-- Creating Suffix o=mlusers
-- Done Creating o=mlusers

-- Applying ldif file /var/tmp/dssetup_20140809090531/dssetup.ldif
modifying entry cn=schema

modifying entry cn=schema

adding new entry cn=CommServers,o=comms-config

-- rejects to /var/tmp/dssetup_20140809090531/dssetup.ldif.rej status = 0
-- ldapmodify returned 0
-- Done Applying ldif file /var/tmp/dssetup_20140809090531/dssetup.ldif

-- /opt/dsee7/bin/dsconf create-index o=usergroup cosspecifier
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup cosspecifier

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup cosspecifier
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr cosspecifier o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup cosspecifier
pres-enabled:on

-- /opt/dsee7/bin/dsconf -t cosspecifier reindex o=usergroup
## usergroupdb2: Indexing attribute: cosspecifier
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t cosspecifier o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup inetCos
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup inetCos

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup inetCos eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr inetCos o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup inetCos
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t inetCos reindex o=usergroup
## usergroupdb2: Indexing attribute: inetCos
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t inetCos o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup memberOf
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup memberOf

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup memberOf eq-enabled:on
Index will not be used unless re-indexed.

```

```

Use "dsconf reindex --attr memberOf o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup memberOf
eq-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup memberOf sub-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr memberOf o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup memberOf
sub-enabled:on

-- /opt/dsee7/bin/dsconf -t memberOf reindex o=usergroup
## usergroupdb2: Indexing attribute: memberOf
## usergroupdb2: Index buffer bucket size: 100
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t memberOf o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup groupid
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup groupid

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup groupid pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr groupid o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup groupid
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup groupid eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr groupid o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup groupid
eq-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup groupid sub-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr groupid o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup groupid
sub-enabled:on

-- /opt/dsee7/bin/dsconf -t groupid reindex o=usergroup
## usergroupdb2: Indexing attribute: groupid
## usergroupdb2: Index buffer bucket size: 100
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t groupid o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup icsCalendar
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup icsCalendar

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr icsCalendar o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar eq-enabled:on
Index will not be used unless re-indexed.

```

```

Use "dsconf reindex --attr icsCalendar o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar
eq-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar
approx-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr icsCalendar o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar
approx-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar
sub-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr icsCalendar o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar
sub-enabled:on

-- /opt/dsee7/bin/dsconf -t icsCalendar reindex o=usergroup
## usergroupdb2: Indexing attribute: icsCalendar
## usergroupdb2: Index buffer bucket size: 100
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t icsCalendar o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup ou
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup ou

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup ou pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr ou o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup ou pres-enabled:on

-- /opt/dsee7/bin/dsconf -t ou reindex o=usergroup
## usergroupdb2: Indexing attribute: ou
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t ou o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup mailEquivalentAddress
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup mailEquivalentAddress

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailEquivalentAddress
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailEquivalentAddress o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailEquivalentAddress pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailEquivalentAddress
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailEquivalentAddress o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailEquivalentAddress eq-enabled:on

```

```

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailEquivalentAddress
approx-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailEquivalentAddress o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailEquivalentAddress approx-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailEquivalentAddress
sub-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailEquivalentAddress o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailEquivalentAddress sub-enabled:on

-- /opt/dsee7/bin/dsconf -t mailEquivalentAddress reindex o=usergroup
## usergroupdb2: Indexing attribute: mailEquivalentAddress
## usergroupdb2: Index buffer bucket size: 100
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t mailEquivalentAddress o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup deleted
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup deleted

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup deleted pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr deleted o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup deleted
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup deleted eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr deleted o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup deleted
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t deleted reindex o=usergroup
## usergroupdb2: Indexing attribute: deleted
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t deleted o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup mgrpUniqueId
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup mgrpUniqueId

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mgrpUniqueId
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mgrpUniqueId o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup mgrpUniqueId
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t mgrpUniqueId reindex o=usergroup
## usergroupdb2: Indexing attribute: mgrpUniqueId
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

```



```

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t mgrpUniqueId o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup davuniqueid
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup davuniqueid

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup davuniqueid
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr davuniqueid o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup davuniqueid
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup davuniqueid eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr davuniqueid o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup davuniqueid
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t davuniqueid reindex o=usergroup
## usergroupdb2: Indexing attribute: davuniqueid
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t davuniqueid o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup mailUserStatus
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup mailUserStatus

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailUserStatus
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailUserStatus o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailUserStatus
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailUserStatus
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailUserStatus o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailUserStatus
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t mailUserStatus reindex o=usergroup
## usergroupdb2: Indexing attribute: mailUserStatus
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t mailUserStatus o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup icsCalendarOwned
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup icsCalendarOwned

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendarOwned
pres-enabled:on
Index will not be used unless re-indexed.

```

```

Use "dsconf reindex --attr icsCalendarOwned o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendarOwned
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendarOwned
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr icsCalendarOwned o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendarOwned
eq-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendarOwned
approx-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr icsCalendarOwned o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendarOwned
approx-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendarOwned
sub-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr icsCalendarOwned o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendarOwned
sub-enabled:on

-- /opt/dsee7/bin/dsconf -t icsCalendarOwned reindex o=usergroup
## usergroupdb2: Indexing attribute: icsCalendarOwned
## usergroupdb2: Index buffer bucket size: 100
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t icsCalendarOwned o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=internet inetDomainBaseDN
-- Done /opt/dsee7/bin/dsconf create-index o=internet inetDomainBaseDN

-- /opt/dsee7/bin/dsconf set-index-prop o=internet inetDomainBaseDN
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr inetDomainBaseDN o=internet" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=internet inetDomainBaseDN
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=internet inetDomainBaseDN
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr inetDomainBaseDN o=internet" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=internet inetDomainBaseDN
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t inetDomainBaseDN reindex o=internet
## internetdb2: Indexing attribute: inetDomainBaseDN
## internetdb2: Index buffer bucket size: 0
## internetdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t inetDomainBaseDN o=internet

-- /opt/dsee7/bin/dsconf create-index o=internet inetCanonicalDomainName

```

```

-- Done /opt/dsee7/bin/dsconf create-index o=internet inetCanonicalDomainName

-- /opt/dsee7/bin/dsconf set-index-prop o=internet inetCanonicalDomainName
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr inetCanonicalDomainName o=internet" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=internet
inetCanonicalDomainName pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=internet inetCanonicalDomainName
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr inetCanonicalDomainName o=internet" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=internet
inetCanonicalDomainName eq-enabled:on

-- /opt/dsee7/bin/dsconf -t inetCanonicalDomainName reindex o=internet
## internetdb2: Indexing attribute: inetCanonicalDomainName
## internetdb2: Index buffer bucket size: 0
## internetdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t inetCanonicalDomainName o=internet

-- /opt/dsee7/bin/dsconf create-index o=internet mailDomainStatus
-- Done /opt/dsee7/bin/dsconf create-index o=internet mailDomainStatus

-- /opt/dsee7/bin/dsconf set-index-prop o=internet mailDomainStatus
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailDomainStatus o=internet" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=internet mailDomainStatus
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=internet mailDomainStatus
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailDomainStatus o=internet" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=internet mailDomainStatus
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t mailDomainStatus reindex o=internet
## internetdb2: Indexing attribute: mailDomainStatus
## internetdb2: Index buffer bucket size: 0
## internetdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t mailDomainStatus o=internet

-- /opt/dsee7/bin/dsconf create-index o=pab memberOfManagedGroup
-- Done /opt/dsee7/bin/dsconf create-index o=pab memberOfManagedGroup

-- /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfManagedGroup
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr memberOfManagedGroup o=pab" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfManagedGroup
pres-enabled:on

```

```

-- /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfManagedGroup
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr memberOfManagedGroup o=pab" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfManagedGroup
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t memberOfManagedGroup reindex o=pab
## pabdb2: Indexing attribute: memberOfManagedGroup
## pabdb2: Index buffer bucket size: 0
## pabdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t memberOfManagedGroup o=pab

-- /opt/dsee7/bin/dsconf create-index o=pab memberOfPABGroup
-- Done /opt/dsee7/bin/dsconf create-index o=pab memberOfPABGroup

-- /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPABGroup
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr memberOfPABGroup o=pab" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPABGroup
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPABGroup eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr memberOfPABGroup o=pab" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPABGroup
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t memberOfPABGroup reindex o=pab
## pabdb2: Indexing attribute: memberOfPABGroup
## pabdb2: Index buffer bucket size: 0
## pabdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t memberOfPABGroup o=pab

-- /opt/dsee7/bin/dsconf create-index o=pab memberOfPAB
-- Done /opt/dsee7/bin/dsconf create-index o=pab memberOfPAB

-- /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPAB pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr memberOfPAB o=pab" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPAB
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPAB eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr memberOfPAB o=pab" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPAB eq-enabled:on

-- /opt/dsee7/bin/dsconf -t memberOfPAB reindex o=pab
## pabdb2: Indexing attribute: memberOfPAB
## pabdb2: Index buffer bucket size: 0
## pabdb2: Finished indexing.

Task completed (slapd exit code: 0).

```

```

-- Done /opt/dsee7/bin/dsconf reindex -t memberOfPAB o=pab

-- /opt/dsee7/bin/dsconf create-index o=pab un
-- Done /opt/dsee7/bin/dsconf create-index o=pab un

-- /opt/dsee7/bin/dsconf set-index-prop o=pab un eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr un o=pab" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=pab un eq-enabled:on

-- /opt/dsee7/bin/dsconf -t un reindex o=pab
## pabdb2: Indexing attribute: un
## pabdb2: Index buffer bucket size: 0
## pabdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t un o=pab

-- /opt/dsee7/bin/dsconf create-index o=PiServerDb MemberOfPiBook
-- Done /opt/dsee7/bin/dsconf create-index o=PiServerDb MemberOfPiBook

-- /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb MemberOfPiBook
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr MemberOfPiBook o=PiServerDb" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb MemberOfPiBook
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t MemberOfPiBook reindex o=PiServerDb
## PiServerDbdb2: Indexing attribute: MemberOfPiBook
## PiServerDbdb2: Index buffer bucket size: 0
## PiServerDbdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t MemberOfPiBook o=PiServerDb

-- /opt/dsee7/bin/dsconf create-index o=PiServerDb MemberofPiGroup
-- Done /opt/dsee7/bin/dsconf create-index o=PiServerDb MemberofPiGroup

-- /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb MemberofPiGroup
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr MemberofPiGroup o=PiServerDb" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb MemberofPiGroup
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t MemberofPiGroup reindex o=PiServerDb
## PiServerDbdb2: Indexing attribute: MemberofPiGroup
## PiServerDbdb2: Index buffer bucket size: 0
## PiServerDbdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t MemberofPiGroup o=PiServerDb

-- /opt/dsee7/bin/dsconf create-index o=PiServerDb displayname
-- Done /opt/dsee7/bin/dsconf create-index o=PiServerDb displayname

-- /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb displayname
pres-enabled:on

```

```

Index will not be used unless re-indexed.
Use "dsconf reindex --attr displayname o=PiServerDb" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb displayname
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb displayname
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr displayname o=PiServerDb" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb displayname
eq-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb displayname
sub-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr displayname o=PiServerDb" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb displayname
sub-enabled:on

-- /opt/dsee7/bin/dsconf -t displayname reindex o=PiServerDb
## PiServerDbdb2: Indexing attribute: displayname
## PiServerDbdb2: Index buffer bucket size: 100
## PiServerDbdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t displayname o=PiServerDb

-- /opt/dsee7/bin/dsconf create-index o=mlusers mlsubMail
-- Done /opt/dsee7/bin/dsconf create-index o=mlusers mlsubMail

-- /opt/dsee7/bin/dsconf set-index-prop o=mlusers mlsubMail eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mlsubMail o=mlusers" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=mlusers mlsubMail
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t mlsubMail reindex o=mlusers
## mlusersdb2: Indexing attribute: mlsubMail
## mlusersdb2: Index buffer bucket size: 0
## mlusersdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t mlsubMail o=mlusers

-- /opt/dsee7/bin/dsconf create-index o=mlusers mlsubListIdentifier
-- Done /opt/dsee7/bin/dsconf create-index o=mlusers mlsubListIdentifier

-- /opt/dsee7/bin/dsconf set-index-prop o=mlusers mlsubListIdentifier
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mlsubListIdentifier o=mlusers" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=mlusers mlsubListIdentifier
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t mlsubListIdentifier reindex o=mlusers
## mlusersdb2: Indexing attribute: mlsubListIdentifier
## mlusersdb2: Index buffer bucket size: 0
## mlusersdb2: Finished indexing.

```

Task completed (slapd exit code: 0).

-- Done /opt/dsee7/bin/dsconf reindex -t mlsubListIdentifier o=mlusers

Successful Completion. Consult /var/tmp/dssetup_20140809090531/dssetup.log

for details

```
[512 Sat Aug 09 09:10:27 root@host% /opt/sun/comms/dssetup# ]
```


DSsetup 6.4.0.26.0 Sample Session - Fresh Directory Server 7.0 Instance for Schema 2

DSsetup 6.4.0.26.0 Sample Session - Fresh Directory Server 7.0 Instance for Schema 2

This section outlines the commands to run and lists a sample session.

Topics:

- [Summary of Commands Run](#)
- [Comments](#)
- [Session](#)

Summary of Commands Run

```
525 ./sbin/comm_dssetup.pl
526 stty -echo
527 ls /var/tmp/dssetup_20140809091832
528 ls /var/tmp/dssetup_20140809091832/save
529 cat /var/tmp/dssetup_20140809091832/99user_new.ldif
530 cat /var/tmp/dssetup_20140809091832/dssetup.ldif
531 cat /var/tmp/dssetup_20140809091832/dssetup.sh
532 cat /var/tmp/dssetup_20140809091832/dssetup.log
```

Comments

This sample session shows the output of comm_dssetup.pl on a fresh Directory Server 7.0 instance for Schema 2.

Session

```
[525 Sat Aug 09 09:18:27 root@host% /opt/sun/comms/dssetup# ]
# ./sbin/comm_dssetup.pl

Welcome to the Directory Server preparation tool (Comms DSsetup)
6.4.0.26.0 for
Oracle Communications Unified Communications Suite
dssetup Version 6.4.0.26.0 (built Friday, April 18, 2014 09:07:22 PM
UTC)

This tool prepares your directory server for use by the
communications services which include Messaging, Calendar and their
components.

The logfile is /var/tmp/dssetup_20140809091832/dssetup.log

Do you want to continue [y]:

Please enter the full path to the directory where the
```

Directory Server instance(s) reside ("server-root"), or
an explicit Directory Server instance directory

Directory server root [/var/opt/sun/directory] :

Please select a directory server instance from the following list:

[1] ds7

Which instance do you want [1]:

Please enter the directory manager DN [cn=Directory Manager]:

Password:

Configuration from DS config file:

- DS Install location: /opt/dsee7
- DS hostname: host
- DS port: 389

ldapsearch location: /opt/SUNWdsee/dsee6/bin

Detected DS version 11.1.1.3.0 on host port 389

Will this directory server be used for users/groups [yes]:

WARNING: No default suffix found in the Directory

A list of suffixes are as follows:

No Suffixes Found

Please enter the Users/Groups base suffix [o=usergroup] :

There are 3 possible schema types:

- 1 - schema 1
- 1.5 - schema 2 compatibility mode for schema 1 systems
that has been converted with commdirmig
- 2 - schema 2

Please enter the Schema Type (1, 1.5, 2) [2]:

Do you want to update the schema files [yes]:

Do you want to configure new indexes [yes]:

Do you want to Reindex the new indexes now [yes]:

Here is a summary of the settings that you chose:

Server Root : /var/opt/sun/directory

Server Instance : ds7

```
Users/Groups Directory : yes
Update Schema : yes
Schema Type : 2
DC Root : o=usergroup
User/Group Root : o=usergroup
Add New Indexes : yes
ReIndex New Indexes Now : yes
Directory Manager DN : cn=Directory Manager
```

Now ready to generate a shell script and ldif file to modify the Directory.

No changes to the Directory Server will be made this time.

Do you want to continue [y]:

Generating files...

Checking to see if Suffixes need to be added

Will Create suffix o=comms-config

Will Create suffix o=usergroup

Will Create suffix o=pab

Will Create suffix o=PiServerDb

Will Create suffix o=mlusers

Checking to see that uid uniqueness plugins are turned off

Plugin is already disabled

Adding indexes

Adding Indexes for User/group Tree (backend:usergroupdb2)

Checking indexes for cn

No new indexes required

Checking indexes for cosspecifier

New indexes and Reindexing required

ReIndex will happen for index type cosspecifier

Checking indexes for inetCos

New indexes and Reindexing required

ReIndex will happen for index type inetCos

Checking indexes for memberOf

New indexes and Reindexing required

ReIndex will happen for index type memberOf

Checking indexes for mail

No new indexes required

Checking indexes for groupid

New indexes and Reindexing required

ReIndex will happen for index type groupid

Checking indexes for mailAlternateAddress

No new indexes required

Checking indexes for icsCalendar

New indexes and Reindexing required

ReIndex will happen for index type icsCalendar

Checking indexes for ou

New indexes and Reindexing required

ReIndex will happen for index type ou

Checking indexes for member

No new indexes required

Checking indexes for uniqueMember

No new indexes required
 Checking indexes for mailEquivalentAddress
 New indexes and Reindexing required
 ReIndex will happen for index type mailEquivalentAddress
 Checking indexes for deleted
 New indexes and Reindexing required
 ReIndex will happen for index type deleted
 Checking indexes for mgrpUniqueId
 New indexes and Reindexing required
 ReIndex will happen for index type mgrpUniqueId
 Checking indexes for davuniqueid
 New indexes and Reindexing required
 ReIndex will happen for index type davuniqueid
 Checking indexes for mailUserStatus
 New indexes and Reindexing required
 ReIndex will happen for index type mailUserStatus
 Checking indexes for icsCalendarOwned
 New indexes and Reindexing required
 ReIndex will happen for index type icsCalendarOwned
 Adding Schema2 specific Indexes for User/Group Tree
 (backend:usergroupdb2)
 Checking indexes for inetDomainBaseDN
 New indexes and Reindexing required
 ReIndex will happen for index type inetDomainBaseDN
 Checking indexes for sunOrganizationAlias
 New indexes and Reindexing required
 ReIndex will happen for index type sunOrganizationAlias
 Checking indexes for sunPreferredDomain
 New indexes and Reindexing required
 ReIndex will happen for index type sunPreferredDomain
 Checking indexes for mailDomainStatus
 New indexes and Reindexing required
 ReIndex will happen for index type mailDomainStatus
 Checking indexes for o
 New indexes and Reindexing required
 ReIndex will happen for index type o
 Checking indexes for associatedDomain
 New indexes and Reindexing required
 ReIndex will happen for index type associatedDomain
 Adding Indexes for PAB Tree (backend:pabdb2)
 Checking indexes for memberOfManagedGroup
 New indexes and Reindexing required
 ReIndex will happen for index type memberOfManagedGroup
 Checking indexes for memberOfPABGroup
 New indexes and Reindexing required
 ReIndex will happen for index type memberOfPABGroup
 Checking indexes for memberOfPAB
 New indexes and Reindexing required
 ReIndex will happen for index type memberOfPAB
 Checking indexes for un
 New indexes and Reindexing required
 ReIndex will happen for index type un
 Adding Indexes for New PAB Tree (backend:PiServerDbdb2)
 Checking indexes for MemberOfPiBook
 New indexes and Reindexing required
 ReIndex will happen for index type MemberOfPiBook

```

Checking indexes for MemberofPiGroup
New indexes and Reindexing required
ReIndex will happen for index type MemberofPiGroup
Checking indexes for displayname
New indexes and Reindexing required
ReIndex will happen for index type displayname
Adding Indexes for Mailing List Tree (backend:mlusersdb2)
Checking indexes for mail
No new indexes required
Checking indexes for mlsbMail
New indexes and Reindexing required
ReIndex will happen for index type mlsbMail
Checking indexes for mlsbListIdentifier
New indexes and Reindexing required
ReIndex will happen for index type mlsbListIdentifier

Checking to see if DN needs to be created for suffixes

Generating ldif for installer metadata
Generating ldif for Adding schema for installer metadata
Generating ldif for Creating DN: cn=CommServers,o=comms-config
The following files have been created:
/var/tmp/dssetup_20140809091832/dssetup.sh
/var/tmp/dssetup_20140809091832/dssetup.ldif

Running /var/tmp/dssetup_20140809091832/dssetup.sh will make changes to
the Directory
You can run this file now or at a later time
Ready to execute the script now.

Do you want to continue [y]:

Running /var/tmp/dssetup_20140809091832/dssetup.sh -D "cn=Directory
Manager" -j /var/tmp/dssetup_20140809091832/dssetup.pw
-- Updating Schema files...
-- Copying 20subscriber.ldif
-- Copying 50ns-delegated-admin.ldif
-- Copying 50ns-mail.ldif
-- Copying 50ns-mlm.ldif
-- Copying 50ns-msg.ldif
-- Copying 50ns-value.ldif
-- Copying 55ims-ical.ldif
-- Copying 56ims-schema.ldif
-- Copying 65im.ldif
-- Copying 70sun-schema2.ldif
-- Copying 71sun-am.ldif
-- Copying 60iplanet-calendar.ldif
-- Copying 50ns-iabs.ldif
-- Copying 98ns-dummy-uwc.ldif
-- Copying 70delgated-admin.ldif
-- Stopping Directory Server
Directory Server instance '/var/opt/sun/directory/ds7' stopped
-- Starting Directory Server
Directory Server instance '/var/opt/sun/directory/ds7' started:
pid=17137
-- Creating Suffix o=comms-config

```

```

-- Done Creating o=comms-config

-- Creating Suffix o=usergroup
-- Done Creating o=usergroup

-- Creating Suffix o=pab
-- Done Creating o=pab

-- Creating Suffix o=PiServerDb
-- Done Creating o=PiServerDb

-- Creating Suffix o=mlusers
-- Done Creating o=mlusers

-- Applying ldif file /var/tmp/dssetup_20140809091832/dssetup.ldif
modifying entry cn=schema

modifying entry cn=schema

adding new entry cn=CommServers,o=comms-config

-- rejects to /var/tmp/dssetup_20140809091832/dssetup.ldif.rej status =
0
-- ldapmodify returned 0
-- Done Applying ldif file /var/tmp/dssetup_20140809091832/dssetup.ldif

-- /opt/dsee7/bin/dsconf create-index o=usergroup cosspecifier
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup cosspecifier

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup cosspecifier
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr cosspecifier o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup cosspecifier
pres-enabled:on

-- /opt/dsee7/bin/dsconf -t cosspecifier reindex o=usergroup
## usergroupdb2: Indexing attribute: cosspecifier
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t cosspecifier o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup inetCos
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup inetCos

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup inetCos
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr inetCos o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup inetCos
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t inetCos reindex o=usergroup
## usergroupdb2: Indexing attribute: inetCos

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## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t inetCos o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup memberOf
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup memberOf

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup memberOf
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr memberOf o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup memberOf
eq-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup memberOf
sub-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr memberOf o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup memberOf
sub-enabled:on

-- /opt/dsee7/bin/dsconf -t memberOf reindex o=usergroup
## usergroupdb2: Indexing attribute: memberOf
## usergroupdb2: Index buffer bucket size: 100
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t memberOf o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup groupid
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup groupid

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup groupid
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr groupid o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup groupid
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup groupid
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr groupid o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup groupid
eq-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup groupid
sub-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr groupid o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup groupid
sub-enabled:on

-- /opt/dsee7/bin/dsconf -t groupid reindex o=usergroup

```

```

## usergroupdb2: Indexing attribute: groupid
## usergroupdb2: Index buffer bucket size: 100
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t groupid o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup icsCalendar
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup icsCalendar

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr icsCalendar o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr icsCalendar o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar
eq-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar
approx-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr icsCalendar o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar
approx-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar
sub-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr icsCalendar o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar
sub-enabled:on

-- /opt/dsee7/bin/dsconf -t icsCalendar reindex o=usergroup
## usergroupdb2: Indexing attribute: icsCalendar
## usergroupdb2: Index buffer bucket size: 100
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t icsCalendar o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup ou
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup ou

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup ou pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr ou o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup ou
pres-enabled:on

-- /opt/dsee7/bin/dsconf -t ou reindex o=usergroup

```



```

## usergroupdb2: Indexing attribute: ou
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t ou o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup mailEquivalentAddress
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup
mailEquivalentAddress

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailEquivalentAddress pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailEquivalentAddress o=usergroup" to
reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailEquivalentAddress pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailEquivalentAddress eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailEquivalentAddress o=usergroup" to
reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailEquivalentAddress eq-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailEquivalentAddress approx-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailEquivalentAddress o=usergroup" to
reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailEquivalentAddress approx-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailEquivalentAddress sub-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailEquivalentAddress o=usergroup" to
reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailEquivalentAddress sub-enabled:on

-- /opt/dsee7/bin/dsconf -t mailEquivalentAddress reindex o=usergroup
## usergroupdb2: Indexing attribute: mailEquivalentAddress
## usergroupdb2: Index buffer bucket size: 100
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t mailEquivalentAddress
o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup deleted
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup deleted

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup deleted

```

```

pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr deleted o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup deleted
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup deleted
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr deleted o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup deleted
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t deleted reindex o=usergroup
## usergroupdb2: Indexing attribute: deleted
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t deleted o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup mgrpUniqueId
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup mgrpUniqueId

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mgrpUniqueId
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mgrpUniqueId o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup mgrpUniqueId
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t mgrpUniqueId reindex o=usergroup
## usergroupdb2: Indexing attribute: mgrpUniqueId
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t mgrpUniqueId o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup davuniqueid
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup davuniqueid

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup davuniqueid
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr davuniqueid o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup davuniqueid
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup davuniqueid
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr davuniqueid o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup davuniqueid
eq-enabled:on

```

```

-- /opt/dsee7/bin/dsconf -t davuniqueid reindex o=usergroup
## usergroupdb2: Indexing attribute: davuniqueid
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t davuniqueid o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup mailUserStatus
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup mailUserStatus

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailUserStatus
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailUserStatus o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailUserStatus
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailUserStatus
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailUserStatus o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailUserStatus
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t mailUserStatus reindex o=usergroup
## usergroupdb2: Indexing attribute: mailUserStatus
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t mailUserStatus o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup icsCalendarOwned
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup icsCalendarOwned

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendarOwned
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr icsCalendarOwned o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
icsCalendarOwned pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendarOwned
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr icsCalendarOwned o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
icsCalendarOwned eq-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendarOwned
approx-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr icsCalendarOwned o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
icsCalendarOwned approx-enabled:on

```

```

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendarOwned
sub-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr icsCalendarOwned o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
icsCalendarOwned sub-enabled:on

-- /opt/dsee7/bin/dsconf -t icsCalendarOwned reindex o=usergroup
## usergroupdb2: Indexing attribute: icsCalendarOwned
## usergroupdb2: Index buffer bucket size: 100
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t icsCalendarOwned o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup inetDomainBaseDN
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup inetDomainBaseDN

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup inetDomainBaseDN
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr inetDomainBaseDN o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
inetDomainBaseDN pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup inetDomainBaseDN
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr inetDomainBaseDN o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
inetDomainBaseDN eq-enabled:on

-- /opt/dsee7/bin/dsconf -t inetDomainBaseDN reindex o=usergroup
## usergroupdb2: Indexing attribute: inetDomainBaseDN
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t inetDomainBaseDN o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup sunOrganizationAlias
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup
sunOrganizationAlias

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup sunOrganizationAlias
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr sunOrganizationAlias o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
sunOrganizationAlias pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup sunOrganizationAlias
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr sunOrganizationAlias o=usergroup" to reindex.

```

```

-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
sunOrganizationAlias eq-enabled:on

-- /opt/dsee7/bin/dsconf -t sunOrganizationAlias reindex o=usergroup
## usergroupdb2: Indexing attribute: sunOrganizationAlias
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t sunOrganizationAlias
o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup sunPreferredDomain
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup
sunPreferredDomain

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup sunPreferredDomain
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr sunPreferredDomain o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
sunPreferredDomain pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup sunPreferredDomain
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr sunPreferredDomain o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
sunPreferredDomain eq-enabled:on

-- /opt/dsee7/bin/dsconf -t sunPreferredDomain reindex o=usergroup
## usergroupdb2: Indexing attribute: sunPreferredDomain
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t sunPreferredDomain o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup mailDomainStatus
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup mailDomainStatus

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailDomainStatus
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailDomainStatus o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailDomainStatus pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailDomainStatus
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailDomainStatus o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailDomainStatus eq-enabled:on

-- /opt/dsee7/bin/dsconf -t mailDomainStatus reindex o=usergroup

```

```

## usergroupdb2: Indexing attribute: mailDomainStatus
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t mailDomainStatus o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup o
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup o

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup o pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr o o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup o
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup o eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr o o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup o eq-enabled:on

-- /opt/dsee7/bin/dsconf -t o reindex o=usergroup
## usergroupdb2: Indexing attribute: o
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t o o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup associatedDomain
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup associatedDomain

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup associatedDomain
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr associatedDomain o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
associatedDomain pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup associatedDomain
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr associatedDomain o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
associatedDomain eq-enabled:on

-- /opt/dsee7/bin/dsconf -t associatedDomain reindex o=usergroup
## usergroupdb2: Indexing attribute: associatedDomain
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t associatedDomain o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=pab memberOfManagedGroup
-- Done /opt/dsee7/bin/dsconf create-index o=pab memberOfManagedGroup

```

```

-- /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfManagedGroup
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr memberOfManagedGroup o=pab" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfManagedGroup
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfManagedGroup
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr memberOfManagedGroup o=pab" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfManagedGroup
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t memberOfManagedGroup reindex o=pab
## pabdb2: Indexing attribute: memberOfManagedGroup
## pabdb2: Index buffer bucket size: 0
## pabdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t memberOfManagedGroup o=pab

-- /opt/dsee7/bin/dsconf create-index o=pab memberOfPABGroup
-- Done /opt/dsee7/bin/dsconf create-index o=pab memberOfPABGroup

-- /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPABGroup
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr memberOfPABGroup o=pab" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPABGroup
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPABGroup
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr memberOfPABGroup o=pab" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPABGroup
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t memberOfPABGroup reindex o=pab
## pabdb2: Indexing attribute: memberOfPABGroup
## pabdb2: Index buffer bucket size: 0
## pabdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t memberOfPABGroup o=pab

-- /opt/dsee7/bin/dsconf create-index o=pab memberOfPAB
-- Done /opt/dsee7/bin/dsconf create-index o=pab memberOfPAB

-- /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPAB
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr memberOfPAB o=pab" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPAB

```

```

pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPAB eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr memberOfPAB o=pab" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPAB
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t memberOfPAB reindex o=pab
## pabdb2: Indexing attribute: memberOfPAB
## pabdb2: Index buffer bucket size: 0
## pabdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t memberOfPAB o=pab

-- /opt/dsee7/bin/dsconf create-index o=pab un
-- Done /opt/dsee7/bin/dsconf create-index o=pab un

-- /opt/dsee7/bin/dsconf set-index-prop o=pab un eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr un o=pab" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=pab un eq-enabled:on

-- /opt/dsee7/bin/dsconf -t un reindex o=pab
## pabdb2: Indexing attribute: un
## pabdb2: Index buffer bucket size: 0
## pabdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t un o=pab

-- /opt/dsee7/bin/dsconf create-index o=PiServerDb MemberOfPiBook
-- Done /opt/dsee7/bin/dsconf create-index o=PiServerDb MemberOfPiBook

-- /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb MemberOfPiBook
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr MemberOfPiBook o=PiServerDb" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb MemberOfPiBook
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t MemberOfPiBook reindex o=PiServerDb
## PiServerDbdb2: Indexing attribute: MemberOfPiBook
## PiServerDbdb2: Index buffer bucket size: 0
## PiServerDbdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t MemberOfPiBook o=PiServerDb

-- /opt/dsee7/bin/dsconf create-index o=PiServerDb MemberOfPiGroup
-- Done /opt/dsee7/bin/dsconf create-index o=PiServerDb MemberOfPiGroup

-- /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb MemberOfPiGroup
eq-enabled:on
Index will not be used unless re-indexed.

```



```

Use "dsconf reindex --attr MemberofPiGroup o=PiServerDb" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb
MemberofPiGroup eq-enabled:on

-- /opt/dsee7/bin/dsconf -t MemberofPiGroup reindex o=PiServerDb
## PiServerDbdb2: Indexing attribute: MemberofPiGroup
## PiServerDbdb2: Index buffer bucket size: 0
## PiServerDbdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t MemberofPiGroup o=PiServerDb

-- /opt/dsee7/bin/dsconf create-index o=PiServerDb displayname
-- Done /opt/dsee7/bin/dsconf create-index o=PiServerDb displayname

-- /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb displayname
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr displayname o=PiServerDb" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb displayname
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb displayname
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr displayname o=PiServerDb" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb displayname
eq-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb displayname
sub-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr displayname o=PiServerDb" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb displayname
sub-enabled:on

-- /opt/dsee7/bin/dsconf -t displayname reindex o=PiServerDb
## PiServerDbdb2: Indexing attribute: displayname
## PiServerDbdb2: Index buffer bucket size: 100
## PiServerDbdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t displayname o=PiServerDb

-- /opt/dsee7/bin/dsconf create-index o=mlusers mlsubMail
-- Done /opt/dsee7/bin/dsconf create-index o=mlusers mlsubMail

-- /opt/dsee7/bin/dsconf set-index-prop o=mlusers mlsubMail
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mlsubMail o=mlusers" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=mlusers mlsubMail
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t mlsubMail reindex o=mlusers
## mlusersdb2: Indexing attribute: mlsubMail

```

```

## mlusersdb2: Index buffer bucket size: 0
## mlusersdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t mlsubMail o=mlusers

-- /opt/dsee7/bin/dsconf create-index o=mlusers mlsubListIdentifier
-- Done /opt/dsee7/bin/dsconf create-index o=mlusers mlsubListIdentifier

-- /opt/dsee7/bin/dsconf set-index-prop o=mlusers mlsubListIdentifier
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mlsubListIdentifier o=mlusers" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=mlusers
mlsubListIdentifier eq-enabled:on

-- /opt/dsee7/bin/dsconf -t mlsubListIdentifier reindex o=mlusers
## mlusersdb2: Indexing attribute: mlsubListIdentifier
## mlusersdb2: Index buffer bucket size: 0
## mlusersdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t mlsubListIdentifier o=mlusers

Successful Completion. Consult
/var/tmp/dssetup_20140809091832/dssetup.log for details
[526 Sat Aug 09 09:21:18 root@host% /opt/sun/comms/dssetup# ]
# stty -echo
stty -echo
[527 Sat Aug 09 09:21:28 root@host% /opt/sun/comms/dssetup# ]
# ls /var/tmp/dssetup_20140809091832
total 193
2 99user_new.ldif 79 dssetup.log 5 save/
5 dssetup.ldif 102 dssetup.sh*
[528 Sat Aug 09 09:21:40 root@host% /opt/sun/comms/dssetup# ]
# ls /var/tmp/dssetup_20140809091832/save
total 637
154 00core.ldif 17 50ns-mail.ldif
16 00ds6pwp.ldif 35 50ns-mcd-browser.ldif
5 05rfc2247.ldif 11 50ns-mcd-config.ldif
3 05rfc2927.ldif 7 50ns-mcd-li.ldif
16 11rfc2307.ldif 42 50ns-mcd-mail.ldif
10 20subscriber.ldif 3 50ns-media.ldif
7 25java-object.ldif 16 50ns-mlm.ldif
19 28pilot.ldif 100 50ns-msg.ldif
25 30ns-common.ldif 7 50ns-netshare.ldif
7 50iplanet-servicemgt.ldif 5 50ns-news.ldif
14 50ns-admin.ldif 3 50ns-proxy.ldif
15 50ns-calendar.ldif 7 50ns-value.ldif
4 50ns-certificate.ldif 8 50ns-wcal.ldif
24 50ns-compass.ldif 4 50ns-web.ldif
14 50ns-delegated-admin.ldif 2 99user.ldif
33 50ns-directory.ldif
4 50ns-legacy.ldif
[529 Sat Aug 09 09:21:44 root@host% /opt/sun/comms/dssetup# ]
# cat /var/tmp/dssetup_20140809091832/99user_new.ldif

```

```

#
# Copyright 2003 Sun Microsystems, Inc. All Rights Reserved
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#
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# PROPRIETARY/CONFIDENTIAL. Use of this product is subject to
# license terms. Copyright (c) 2001 Sun Microsystems, Inc.
# Some preexisting portions Copyright (c) 2001 Netscape Communications
# Corp.
# All rights reserved.
#
#
# User-defined schema
#
dn: cn=schema
[530 Sat Aug 09 09:21:49 root@host% /opt/sun/comms/dssetup# ]
# cat /var/tmp/dssetup_20140809091832/dssetup.ldif
# This Ldif file contains the changes to be made to the Directory
# Run it like this:
# cd /opt/SUNWdsee/dsee6/bin
# ./ldapmodify -p 389 -h host -D binddn -j passwdfile -c -f
/var/tmp/dssetup_20140809091832/dssetup.ldif

#-----
# This section creates the installer metadata
#-----

#####
# dn: cn=schema
# Add the schema for sunkeyvalue. Required by sunCommsMetaData
# objectclass
# Note that sunkeyvalue may have already been added by Access Manager
#####
dn: cn=schema
changetype: modify
add: attributeTypes
attributeTypes: ( 1.3.6.1.4.1.42.2.27.9.1.83 NAME ( 'sunkeyvalue' ) DESC
'Attribute to store the encoded key values of the services' SYNTAX
1.3.6.1.4.1.1466.115.121.1.26 X-ORIGIN 'Sun ONE Identity Management' )

#####
# dn: cn=schema
# Add the schema for the Comm Servers installer metadata information
#####
dn: cn=schema
changetype: modify
add: objectClasses
objectClasses: ( 1.3.6.1.4.1.42.2.27.2.1.39 NAME 'sunCommsMetaData' DESC
'Objectclass for storing meta data for Sun Communication' SUP top
STRUCTURAL MUST ( cn ) MAY ( sunkeyvalue ) )

#####
# dn: cn=CommServers,o=comms-config
# Create the DN for the installer metadata for Comm Servers
#####
dn: cn=CommServers,o=comms-config

```

```

changetype: add
objectclass: top
objectclass: sunCommsMetaData
sunkeyvalue: dssetup_ver=6.4
sunkeyvalue: dssetup_rev=26.01
sunkeyvalue: dcsuffix=o=usergroup
sunkeyvalue: ugsuffix=o=usergroup
sunkeyvalue: mlsuffix=o=mlusers
sunkeyvalue: schematype=2
aci:
(target="ldap:///cn=CommServers,o=comms-config")(targetattr!="aci")(version
3.0; acl "Anonymous access to dssetup config"; allow
(read,search,compare) userdn="ldap:///anyone";)
[531 Sat Aug 09 09:21:55 root@host% /opt/sun/comms/dssetup# ]
# cat /var/tmp/dssetup_20140809091832/dssetup.sh
#!/bin/sh
# This shell script contains the commands to run against the Directory
#set -x

#
# Usage
#
usage()
{
echo "Usage: $0 -D <binddn> -j <passwdfile>"
echo " -D binddn bind dn"
echo " -j <passwdfile> read bind passwd from 'file' for simple
authentication"
exit 1
}

if [ $# -lt 1 ]
then
echo "You must specify either -j"
usage
fi

jflag=0
Dflag=0
while getopts D:j: c; do
case $c in
D)
Dflag=1
BINDDN=$OPTARG;;
j)
jflag=1
pflag=-j
parg=$OPTARG;;
\?)
usage;;
esac
done
shift `expr $OPTIND - 1`

if [ $Dflag -eq 0 ]
then

```

```

echo "You must specify the -D switch"
usage
fi

if [ $jflag -eq 0 ]
then
echo "You must specify -j"
usage
fi

if [ $# -ge 1 ]
then
echo "Unrecognized argument $"
usage
fi

if [ ` /usr/bin/id | cut -d= -f2 | cut -d\ ( -f1 ` != 0 ]
then
echo
echo "To run this utility you need to be the system's root user. \n"
echo
exit 1
fi

echo -- Updating Schema files...
echo -- Copying 20subscriber.ldif
cp /opt/sun/comms/dssetup/sbin/schema/20subscriber.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 50ns-delegated-admin.ldif
cp /opt/sun/comms/dssetup/sbin/schema/50ns-delegated-admin.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 50ns-mail.ldif
cp /opt/sun/comms/dssetup/sbin/schema/50ns-mail.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 50ns-mlm.ldif
cp /opt/sun/comms/dssetup/sbin/schema/50ns-mlm.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 50ns-msg.ldif
cp /opt/sun/comms/dssetup/sbin/schema/50ns-msg.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 50ns-value.ldif
cp /opt/sun/comms/dssetup/sbin/schema/50ns-value.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 55ims-ical.ldif
cp /opt/sun/comms/dssetup/sbin/schema/55ims-ical.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 56ims-schema.ldif
cp /opt/sun/comms/dssetup/sbin/schema/56ims-schema.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 65im.ldif
cp /opt/sun/comms/dssetup/sbin/schema/65im.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 70sun-schema2.ldif
cp /opt/sun/comms/dssetup/sbin/schema/70sun-schema2.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 71sun-am.ldif

```

```

cp /opt/sun/comms/dssetup/sbin/schema/71sun-am.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 60iplanet-calendar.ldif
cp /opt/sun/comms/dssetup/sbin/schema/60iplanet-calendar.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 50ns-iabs.ldif
cp /opt/sun/comms/dssetup/sbin/schema/50ns-iabs.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 98ns-dummy-uwc.ldif
cp /opt/sun/comms/dssetup/sbin/schema/98ns-dummy-uwc.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 70delgated-admin.ldif
cp /opt/sun/comms/dssetup/sbin/schema/70delgated-admin.ldif
/var/opt/sun/directory/ds7/config/schema

echo -- Stopping Directory Server
/opt/dsee7/bin/dsadm stop /var/opt/sun/directory/ds7
if [ $? != 0 ]; then
echo "Stopping the Directory server failed"
exit 1
fi
sleep 5

echo -- Starting Directory Server
/opt/dsee7/bin/dsadm start /var/opt/sun/directory/ds7
if [ $? != 0 ]; then
echo "The server may not have restarted properly"
echo "Please restart it manually"
fi
sleep 5

echo -- Creating Suffix o=comms-config
/opt/dsee7/bin/dsconf create-suffix --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured --db-name comms-configdb2
o=comms-config
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-suffix returned $stat"
fi
echo -- Done Creating o=comms-config
echo

echo -- Creating Suffix o=usergroup
/opt/dsee7/bin/dsconf create-suffix --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured --db-name usergroupdb2
o=usergroup
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-suffix returned $stat"
fi
echo -- Done Creating o=usergroup
echo

echo -- Creating Suffix o=pab
/opt/dsee7/bin/dsconf create-suffix --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured --db-name pabdb2 o=pab

```

```

stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-suffix returned $stat"
fi
echo -- Done Creating o=pab
echo

echo -- Creating Suffix o=PiServerDb
/opt/dsee7/bin/dsconf create-suffix --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured --db-name PiServerDbdb2
o=PiServerDb
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-suffix returned $stat"
fi
echo -- Done Creating o=PiServerDb
echo

echo -- Creating Suffix o=mlusers
/opt/dsee7/bin/dsconf create-suffix --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured --db-name mlusersdb2
o=mlusers
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-suffix returned $stat"
fi
echo -- Done Creating o=mlusers
echo

echo -- Applying ldif file /var/tmp/dssetup_20140809091832/dssetup.ldif
cd /opt/SUNWdsee/dsee6/bin
./ldapmodify -p 389 -h host -D "$BINDDN" $pflag "$parg" -c -e
/var/tmp/dssetup_20140809091832/dssetup.ldif.rej -f
/var/tmp/dssetup_20140809091832/dssetup.ldif
stat=$?
echo -- rejects to /var/tmp/dssetup_20140809091832/dssetup.ldif.rej
status = $stat
if [ $stat -eq 0 ]; then
echo "-- ldapmodify returned $stat"
elif [ $stat -eq 20 ]; then
echo "-- WARNING: ldapmodify returned $stat"
else
echo "-- ERROR: ldapmodify returned $stat"
exit $stat;
fi
echo -- Done Applying ldif file
/var/tmp/dssetup_20140809091832/dssetup.ldif
echo

echo -- /opt/dsee7/bin/dsconf create-index o=usergroup cosspecifier
/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup"
"cosspecifier"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"

```

```

fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=usergroup"
"cossspecifier"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup cossspecifier
pres-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup"
"cossspecifier" "pres-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
cossspecifier pres-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf -t cossspecifier reindex o=usergroup
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured -t "cossspecifier" "o=usergroup"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "cossspecifier"
"o=usergroup"
echo

echo -- /opt/dsee7/bin/dsconf create-index o=usergroup inetCos
/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup" "inetCos"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=usergroup" "inetCos"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup inetCos
eq-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup" "inetCos"
"eq-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup inetCos
eq-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf -t inetCos reindex o=usergroup
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured -t "inetCos" "o=usergroup"
stat=$?

```



```

if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "inetCos" "o=usergroup"
echo

echo -- /opt/dsee7/bin/dsconf create-index o=usergroup memberOf
/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup" "memberOf"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=usergroup" "memberOf"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup memberOf
eq-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup" "memberOf"
"eq-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup memberOf
eq-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup memberOf
sub-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup" "memberOf"
"sub-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup memberOf
sub-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf -t memberOf reindex o=usergroup
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured -t "memberOf" "o=usergroup"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "memberOf" "o=usergroup"
echo

echo -- /opt/dsee7/bin/dsconf create-index o=usergroup groupid
/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup" "groupid"
stat=$?

```

```

if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=usergroup" "groupid"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup groupid
pres-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup" "groupid"
"pres-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup groupid
pres-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup groupid
eq-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup" "groupid"
"eq-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup groupid
eq-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup groupid
sub-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup" "groupid"
"sub-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup groupid
sub-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf -t groupid reindex o=usergroup
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured -t "groupid" "o=usergroup"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "groupid" "o=usergroup"
echo

echo -- /opt/dsee7/bin/dsconf create-index o=usergroup icsCalendar

```

```

/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup"
"icsCalendar"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=usergroup"
"icsCalendar"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar
pres-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup"
"icsCalendar" "pres-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
icsCalendar pres-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar
eq-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup"
"icsCalendar" "eq-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
icsCalendar eq-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar
approx-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup"
"icsCalendar" "approx-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
icsCalendar approx-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar
sub-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup"
"icsCalendar" "sub-enabled:on"
stat=$?

```

```

if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
icsCalendar sub-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf -t icsCalendar reindex o=usergroup
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured -t "icsCalendar" "o=usergroup"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "icsCalendar"
"o=usergroup"
echo

echo -- /opt/dsee7/bin/dsconf create-index o=usergroup ou
/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup" "ou"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=usergroup" "ou"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup ou
pres-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup" "ou"
"pres-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup ou
pres-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf -t ou reindex o=usergroup
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured -t "ou" "o=usergroup"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "ou" "o=usergroup"
echo

echo -- /opt/dsee7/bin/dsconf create-index o=usergroup
mailEquivalentAddress
/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup"
"mailEquivalentAddress"

```

```

stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=usergroup"
"mailEquivalentAddress"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailEquivalentAddress pres-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup"
"mailEquivalentAddress" "pres-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailEquivalentAddress pres-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailEquivalentAddress eq-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup"
"mailEquivalentAddress" "eq-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailEquivalentAddress eq-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailEquivalentAddress approx-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup"
"mailEquivalentAddress" "approx-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailEquivalentAddress approx-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailEquivalentAddress sub-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup"
"mailEquivalentAddress" "sub-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi

```

```

echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailEquivalentAddress sub-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf -t mailEquivalentAddress reindex
o=usergroup
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured -t "mailEquivalentAddress"
"o=usergroup"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "mailEquivalentAddress"
"o=usergroup"
echo

echo -- /opt/dsee7/bin/dsconf create-index o=usergroup deleted
/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup" "deleted"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=usergroup" "deleted"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup deleted
pres-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup" "deleted"
"pres-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup deleted
pres-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup deleted
eq-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup" "deleted"
"eq-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup deleted
eq-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf -t deleted reindex o=usergroup
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured -t "deleted" "o=usergroup"

```

```

stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "deleted" "o=usergroup"
echo

echo -- /opt/dsee7/bin/dsconf create-index o=usergroup mgrpUniqueId
/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup"
"mgrpUniqueId"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=usergroup"
"mgrpUniqueId"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mgrpUniqueId
eq-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup"
"mgrpUniqueId" "eq-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mgrpUniqueId eq-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf -t mgrpUniqueId reindex o=usergroup
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured -t "mgrpUniqueId" "o=usergroup"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "mgrpUniqueId"
"o=usergroup"
echo

echo -- /opt/dsee7/bin/dsconf create-index o=usergroup davuniqueid
/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup"
"davuniqueid"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=usergroup"
"davuniqueid"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup davuniqueid

```

```

pres-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup"
"davuniqueid" "pres-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
davuniqueid pres-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup davuniqueid
eq-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup"
"davuniqueid" "eq-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
davuniqueid eq-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf -t davuniqueid reindex o=usergroup
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured -t "davuniqueid" "o=usergroup"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "davuniqueid"
"o=usergroup"
echo

echo -- /opt/dsee7/bin/dsconf create-index o=usergroup mailUserStatus
/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup"
"mailUserStatus"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=usergroup"
"mailUserStatus"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailUserStatus
pres-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup"
"mailUserStatus" "pres-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"

```



```

fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailUserStatus pres-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailUserStatus
eq-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup"
"mailUserStatus" "eq-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailUserStatus eq-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf -t mailUserStatus reindex o=usergroup
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured -t "mailUserStatus" "o=usergroup"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "mailUserStatus"
"o=usergroup"
echo

echo -- /opt/dsee7/bin/dsconf create-index o=usergroup icsCalendarOwned
/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup"
"icsCalendarOwned"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=usergroup"
"icsCalendarOwned"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup
icsCalendarOwned pres-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup"
"icsCalendarOwned" "pres-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
icsCalendarOwned pres-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup
icsCalendarOwned eq-enabled:on

```

```

/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup"
"icsCalendarOwned" "eq-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
icsCalendarOwned eq-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup
icsCalendarOwned approx-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup"
"icsCalendarOwned" "approx-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
icsCalendarOwned approx-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup
icsCalendarOwned sub-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup"
"icsCalendarOwned" "sub-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
icsCalendarOwned sub-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf -t icsCalendarOwned reindex o=usergroup
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured -t "icsCalendarOwned"
"o=usergroup"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "icsCalendarOwned"
"o=usergroup"
echo

echo -- /opt/dsee7/bin/dsconf create-index o=usergroup inetDomainBaseDN
/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup"
"inetDomainBaseDN"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"

```

```

fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=usergroup"
"inetAddressBaseDN"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup
inetAddressBaseDN pres-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup"
"inetAddressBaseDN" "pres-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
inetAddressBaseDN pres-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup
inetAddressBaseDN eq-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup"
"inetAddressBaseDN" "eq-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
inetAddressBaseDN eq-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf -t inetDomainBaseDN reindex o=usergroup
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured -t "inetDomainBaseDN"
"o=usergroup"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "inetDomainBaseDN"
"o=usergroup"
echo

echo -- /opt/dsee7/bin/dsconf create-index o=usergroup
sunOrganizationAlias
/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup"
"sunOrganizationAlias"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=usergroup"
"sunOrganizationAlias"
echo

```

```

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup
sunOrganizationAlias pres-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup"
"sunOrganizationAlias" "pres-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
sunOrganizationAlias pres-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup
sunOrganizationAlias eq-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup"
"sunOrganizationAlias" "eq-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
sunOrganizationAlias eq-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf -t sunOrganizationAlias reindex
o=usergroup
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured -t "sunOrganizationAlias"
"o=usergroup"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "sunOrganizationAlias"
"o=usergroup"
echo

echo -- /opt/dsee7/bin/dsconf create-index o=usergroup
sunPreferredDomain
/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup"
"sunPreferredDomain"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=usergroup"
"sunPreferredDomain"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup
sunPreferredDomain pres-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup"

```

```

"sunPreferredDomain" "pres-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
sunPreferredDomain pres-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup
sunPreferredDomain eq-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup"
"sunPreferredDomain" "eq-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
sunPreferredDomain eq-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf -t sunPreferredDomain reindex o=usergroup
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured -t "sunPreferredDomain"
"o=usergroup"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "sunPreferredDomain"
"o=usergroup"
echo

echo -- /opt/dsee7/bin/dsconf create-index o=usergroup mailDomainStatus
/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup"
"mailDomainStatus"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=usergroup"
"mailDomainStatus"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailDomainStatus pres-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup"
"mailDomainStatus" "pres-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup

```

```

mailDomainStatus pres-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailDomainStatus eq-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup"
"mailDomainStatus" "eq-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailDomainStatus eq-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf -t mailDomainStatus reindex o=usergroup
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured -t "mailDomainStatus"
"o=usergroup"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "mailDomainStatus"
"o=usergroup"
echo

echo -- /opt/dsee7/bin/dsconf create-index o=usergroup o
/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup" "o"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=usergroup" "o"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup o
pres-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup" "o"
"pres-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup o
pres-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup o eq-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup" "o"
"eq-enabled:on"
stat=$?

```

```

if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup o
eq-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf -t o reindex o=usergroup
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured -t "o" "o=usergroup"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "o" "o=usergroup"
echo

echo -- /opt/dsee7/bin/dsconf create-index o=usergroup associatedDomain
/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup"
"associatedDomain"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=usergroup"
"associatedDomain"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup
associatedDomain pres-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup"
"associatedDomain" "pres-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
associatedDomain pres-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup
associatedDomain eq-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=usergroup"
"associatedDomain" "eq-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
associatedDomain eq-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf -t associatedDomain reindex o=usergroup

```

```

/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured -t "associatedDomain"
"o=usergroup"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "associatedDomain"
"o=usergroup"
echo

echo -- /opt/dsee7/bin/dsconf create-index o=pab memberOfManagedGroup
/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=pab"
"memberOfManagedGroup"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=pab"
"memberOfManagedGroup"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfManagedGroup
pres-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=pab"
"memberOfManagedGroup" "pres-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=pab
memberOfManagedGroup pres-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfManagedGroup
eq-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=pab"
"memberOfManagedGroup" "eq-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=pab
memberOfManagedGroup eq-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf -t memberOfManagedGroup reindex o=pab
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured -t "memberOfManagedGroup" "o=pab"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi

```



```

echo -- Done /opt/dsee7/bin/dsconf reindex -t "memberOfManagedGroup"
"o=pab"
echo

echo -- /opt/dsee7/bin/dsconf create-index o=pab memberOfPABGroup
/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=pab"
"memberOfPABGroup"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=pab"
"memberOfPABGroup"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPABGroup
pres-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=pab"
"memberOfPABGroup" "pres-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPABGroup
pres-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPABGroup
eq-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=pab"
"memberOfPABGroup" "eq-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPABGroup
eq-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf -t memberOfPABGroup reindex o=pab
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured -t "memberOfPABGroup" "o=pab"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "memberOfPABGroup" "o=pab"
echo

echo -- /opt/dsee7/bin/dsconf create-index o=pab memberOfPAB
/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=pab" "memberOfPAB"
stat=$?

```

```

if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=pab" "memberOfPAB"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPAB
pres-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=pab" "memberOfPAB"
"pres-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPAB
pres-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPAB
eq-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=pab" "memberOfPAB"
"eq-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPAB
eq-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf -t memberOfPAB reindex o=pab
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured -t "memberOfPAB" "o=pab"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "memberOfPAB" "o=pab"
echo

echo -- /opt/dsee7/bin/dsconf create-index o=pab un
/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=pab" "un"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=pab" "un"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=pab un eq-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=pab" "un"
"eq-enabled:on"

```

```

stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=pab un eq-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf -t un reindex o=pab
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured -t "un" "o=pab"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "un" "o=pab"
echo

echo -- /opt/dsee7/bin/dsconf create-index o=PiServerDb MemberOfPiBook
/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=PiServerDb"
"MemberOfPiBook"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=PiServerDb"
"MemberOfPiBook"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb MemberOfPiBook
eq-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=PiServerDb"
"MemberOfPiBook" "eq-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb
MemberOfPiBook eq-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf -t MemberOfPiBook reindex o=PiServerDb
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured -t "MemberOfPiBook"
"o=PiServerDb"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "MemberOfPiBook"
"o=PiServerDb"
echo

echo -- /opt/dsee7/bin/dsconf create-index o=PiServerDb MemberofPiGroup
/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file

```

```

"$parg" --port 389 --hostname host --unsecured "o=PiServerDb"
"MemberofPiGroup"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=PiServerDb"
"MemberofPiGroup"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb
MemberofPiGroup eq-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=PiServerDb"
"MemberofPiGroup" "eq-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb
MemberofPiGroup eq-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf -t MemberofPiGroup reindex o=PiServerDb
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured -t "MemberofPiGroup"
"o=PiServerDb"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "MemberofPiGroup"
"o=PiServerDb"
echo

echo -- /opt/dsee7/bin/dsconf create-index o=PiServerDb displayname
/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=PiServerDb"
"displayname"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=PiServerDb"
"displayname"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb displayname
pres-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=PiServerDb"
"displayname" "pres-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi

```

```

echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb
displayname pres-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb displayname
eq-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=PiServerDb"
"displayname" "eq-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb
displayname eq-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb displayname
sub-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=PiServerDb"
"displayname" "sub-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb
displayname sub-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf -t displayname reindex o=PiServerDb
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured -t "displayname" "o=PiServerDb"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "displayname"
"o=PiServerDb"
echo

echo -- /opt/dsee7/bin/dsconf create-index o=mlusers mlsubMail
/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=mlusers" "mlsubMail"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=mlusers" "mlsubMail"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=mlusers mlsubMail
eq-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=mlusers" "mlsubMail"
"eq-enabled:on"

```

```

stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=mlusers mlsbMail
eq-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf -t mlsbMail reindex o=mlusers
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured -t "mlsbMail" "o=mlusers"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "mlsbMail" "o=mlusers"
echo

echo -- /opt/dsee7/bin/dsconf create-index o=mlusers mlsbListIdentifier
/opt/dsee7/bin/dsconf create-index --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=mlusers"
"mlsbListIdentifier"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf create-index returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf create-index "o=mlusers"
"mlsbListIdentifier"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=mlusers
mlsbListIdentifier eq-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file
"$parg" --port 389 --hostname host --unsecured "o=mlusers"
"mlsbListIdentifier" "eq-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop o=mlusers
mlsbListIdentifier eq-enabled:on
echo

echo -- /opt/dsee7/bin/dsconf -t mlsbListIdentifier reindex o=mlusers
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured -t "mlsbListIdentifier"
"o=mlusers"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "mlsbListIdentifier"
"o=mlusers"
echo
[532 Sat Aug 09 09:21:57 root@host% /opt/sun/comms/dssetup# ]
# cat /var/tmp/dssetup_20140809091832/dssetup.log

```

Running /usr/bin/perl ./sbin/comm_dssetup.pl

Welcome to the Directory Server preparation tool (Comms DSsetup)
6.4.0.26.0 for
Oracle Communications Unified Communications Suite
dssetup Version 6.4.0.26.0 (built Friday, April 18, 2014 09:07:22 PM
UTC)

This tool prepares your directory server for use by the
communications services which include Messaging, Calendar and their
components.

The logfile is /var/tmp/dssetup_20140809091832/dssetup.log

Do you want to continue [y]:

Please enter the full path to the directory where the
Directory Server instance(s) reside ("server-root"), or
an explicit Directory Server instance directory

Directory server root [/var/opt/sun/directory] :

Please select a directory server instance from the following list:

[1] ds7

Which instance do you want [1]:

Please enter the directory manager DN [cn=Directory Manager]:

stty -echo

Password:

stty echoConfiguration from DS config file:

- DS Install location: /opt/dsee7

- DS hostname: host

- DS port: 389

ldapsearch location: /opt/SUNWdsee/dsee6/bin

./ldapsearch -D "cn=Directory Manager" -j
"/var/tmp/dssetup_20140809091832/dssetup.pw" -p 389 -h host -b
"cn=monitor" -s base objectclass=top version 2>&1

./ldapsearch output: version: 1

./ldapsearch output: dn: cn=monitor

./ldapsearch output: version: Sun-Directory-Server/11.1.1.3.0
B2010.0630.2203

-- Detected DS versions:

full: 11.1.1.3.0

major: 11

minor: 1

micro: 1

patch: NONE

Detected DS version 11.1.1.3.0 on host port 389

-- Stored Dssetup data ver=0 rev=0, dctree=

```

ug=, schematype=

Will this directory server be used for users/groups [yes]: WARNING: No
default suffix found in the Directory
A list of suffixes are as follows:
No Suffixes Found

Please enter the Users/Groups base suffix [o=usergroup] :
-----
has_naming_context_ds6 get-suffix-prop result:
"o=usergroup": suffix does not exist.
The "get-suffix-prop" operation failed on "host:389".

-----
There are 3 possible schema types:
1 - schema 1
1.5 - schema 2 compatibility mode for schema 1 systems
that has been converted with commdirmig
2 - schema 2

Please enter the Schema Type (1, 1.5, 2) [2]:
Do you want to update the schema files [yes]:
Do you want to configure new indexes [yes]:
Do you want to Reindex the new indexes now [yes]:
Here is a summary of the settings that you chose:

Server Root : /var/opt/sun/directory
Server Instance : ds7
Users/Groups Directory : yes
Update Schema : yes
Schema Type : 2
DC Root : o=usergroup
User/Group Root : o=usergroup
Add New Indexes : yes
ReIndex New Indexes Now : yes
Directory Manager DN : cn=Directory Manager

Now ready to generate a shell script and ldif file to modify the
Directory.
No changes to the Directory Server will be made this time.
Do you want to continue [y]:
Generating files...

Checking to see if Suffixes need to be added

-----
has_naming_context_ds6 get-suffix-prop result:
"o=comms-config": suffix does not exist.
The "get-suffix-prop" operation failed on "host:389".

-----
Will Create suffix o=comms-config

-----
has_naming_context_ds6 get-suffix-prop result:

```



```

"o=usergroup": suffix does not exist.
The "get-suffix-prop" operation failed on "host:389".

-----
Will Create suffix o=usergroup

-----
has_naming_context_ds6 get-suffix-prop result:
"o=pab": suffix does not exist.
The "get-suffix-prop" operation failed on "host:389".

-----
Will Create suffix o=pab

-----
has_naming_context_ds6 get-suffix-prop result:
"o=PiServerDb": suffix does not exist.
The "get-suffix-prop" operation failed on "host:389".

-----
Will Create suffix o=PiServerDb

-----
has_naming_context_ds6 get-suffix-prop result:
"o=mlusers": suffix does not exist.
The "get-suffix-prop" operation failed on "host:389".

-----
Will Create suffix o=mlusers

Checking to see that uid uniqueness plugins are turned off
Plugin is already disabled

Adding indexes
Adding Indexes for User/group Tree (backend:usergroupdb2)
Checking indexes for cn
Default index DN exists
Default index pres found
Default index eq found
Default index sub found
No new indexes required
Checking indexes for cosspecifier
Index does not exist
Index pres does not exist
New indexes and Reindexing required
ReIndex will happen for index type cosspecifier
Checking indexes for inetCos
Index does not exist
Index eq does not exist
New indexes and Reindexing required
ReIndex will happen for index type inetCos
Checking indexes for memberOf
Index does not exist
Index eq does not exist
Index sub does not exist
New indexes and Reindexing required

```

```

ReIndex will happen for index type memberOf
Checking indexes for mail
Default index DN exists
Default index pres found
Default index eq found
Default index sub found
No new indexes required
Checking indexes for groupid
Index does not exist
Index pres does not exist
Index eq does not exist
Index sub does not exist
New indexes and Reindexing required
ReIndex will happen for index type groupid
Checking indexes for mailAlternateAddress
Default index DN exists
Default index eq found
No new indexes required
Checking indexes for icsCalendar
Index does not exist
Index pres does not exist
Index eq does not exist
Index approx does not exist
Index sub does not exist
New indexes and Reindexing required
ReIndex will happen for index type icsCalendar
Checking indexes for ou
Index does not exist
Index pres does not exist
New indexes and Reindexing required
ReIndex will happen for index type ou
Checking indexes for member
Default index DN exists
Default index eq found
No new indexes required
Checking indexes for uniqueMember
Default index DN exists
Default index eq found
No new indexes required
Checking indexes for mailEquivalentAddress
Index does not exist
Index pres does not exist
Index eq does not exist
Index approx does not exist
Index sub does not exist
New indexes and Reindexing required
ReIndex will happen for index type mailEquivalentAddress
Checking indexes for deleted
Index does not exist
Index pres does not exist
Index eq does not exist
New indexes and Reindexing required
ReIndex will happen for index type deleted
Checking indexes for mgrpUniqueId
Index does not exist
Index eq does not exist

```

New indexes and Reindexing required
 ReIndex will happen for index type mgrpUniqueId
 Checking indexes for davuniqueid
 Index does not exist
 Index pres does not exist
 Index eq does not exist
 New indexes and Reindexing required
 ReIndex will happen for index type davuniqueid
 Checking indexes for mailUserStatus
 Index does not exist
 Index pres does not exist
 Index eq does not exist
 New indexes and Reindexing required
 ReIndex will happen for index type mailUserStatus
 Checking indexes for icsCalendarOwned
 Index does not exist
 Index pres does not exist
 Index eq does not exist
 Index approx does not exist
 Index sub does not exist
 New indexes and Reindexing required
 ReIndex will happen for index type icsCalendarOwned
 Adding Schema2 specific Indexes for User/Group Tree
 (backend:usergroupdb2)
 Checking indexes for inetDomainBaseDN
 Index does not exist
 Index pres does not exist
 Index eq does not exist
 New indexes and Reindexing required
 ReIndex will happen for index type inetDomainBaseDN
 Checking indexes for sunOrganizationAlias
 Index does not exist
 Index pres does not exist
 Index eq does not exist
 New indexes and Reindexing required
 ReIndex will happen for index type sunOrganizationAlias
 Checking indexes for sunPreferredDomain
 Index does not exist
 Index pres does not exist
 Index eq does not exist
 New indexes and Reindexing required
 ReIndex will happen for index type sunPreferredDomain
 Checking indexes for mailDomainStatus
 Index does not exist
 Index pres does not exist
 Index eq does not exist
 New indexes and Reindexing required
 ReIndex will happen for index type mailDomainStatus
 Checking indexes for o
 Index does not exist
 Index pres does not exist
 Index eq does not exist
 New indexes and Reindexing required
 ReIndex will happen for index type o
 Checking indexes for associatedDomain
 Index does not exist

Index pres does not exist
 Index eq does not exist
 New indexes and Reindexing required
 ReIndex will happen for index type associatedDomain
 Adding Indexes for PAB Tree (backend:pabdb2)
 Checking indexes for memberOfManagedGroup
 Index does not exist
 Index pres does not exist
 Index eq does not exist
 New indexes and Reindexing required
 ReIndex will happen for index type memberOfManagedGroup
 Checking indexes for memberOfPABGroup
 Index does not exist
 Index pres does not exist
 Index eq does not exist
 New indexes and Reindexing required
 ReIndex will happen for index type memberOfPABGroup
 Checking indexes for memberOfPAB
 Index does not exist
 Index pres does not exist
 Index eq does not exist
 New indexes and Reindexing required
 ReIndex will happen for index type memberOfPAB
 Checking indexes for un
 Index does not exist
 Index eq does not exist
 New indexes and Reindexing required
 ReIndex will happen for index type un
 Adding Indexes for New PAB Tree (backend:PiServerDbdb2)
 Checking indexes for MemberOfPiBook
 Index does not exist
 Index eq does not exist
 New indexes and Reindexing required
 ReIndex will happen for index type MemberOfPiBook
 Checking indexes for MemberofPiGroup
 Index does not exist
 Index eq does not exist
 New indexes and Reindexing required
 ReIndex will happen for index type MemberofPiGroup
 Checking indexes for displayname
 Index does not exist
 Index pres does not exist
 Index eq does not exist
 Index sub does not exist
 New indexes and Reindexing required
 ReIndex will happen for index type displayname
 Adding Indexes for Mailing List Tree (backend:mlusersdb2)
 Checking indexes for mail
 Default index DN exists
 Default index pres found
 Default index eq found
 Default index sub found
 No new indexes required
 Checking indexes for mlsubMail
 Index does not exist
 Index eq does not exist

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New indexes and Reindexing required
ReIndex will happen for index type mlsbMail
Checking indexes for mlsbListIdentifier
Index does not exist
Index eq does not exist
New indexes and Reindexing required
ReIndex will happen for index type mlsbListIdentifier

Checking to see if DN needs to be created for suffixes

Generating ldif for installer metadata
Generating ldif for Adding schema for installer metadata
Generating ldif for Creating DN: cn=CommServers,o=comms-config
The following files have been created:
/var/tmp/dssetup_20140809091832/dssetup.sh
/var/tmp/dssetup_20140809091832/dssetup.ldif

Running /var/tmp/dssetup_20140809091832/dssetup.sh will make changes to
the Directory
You can run this file now or at a later time
Ready to execute the script now.

Do you want to continue [y]:
Running /var/tmp/dssetup_20140809091832/dssetup.sh -D "cn=Directory
Manager" -j /var/tmp/dssetup_20140809091832/dssetup.pw
-- Updating Schema files...
-- Copying 20subscriber.ldif
-- Copying 50ns-delegated-admin.ldif
-- Copying 50ns-mail.ldif
-- Copying 50ns-mlm.ldif
-- Copying 50ns-msg.ldif
-- Copying 50ns-value.ldif
-- Copying 55ims-ical.ldif
-- Copying 56ims-schema.ldif
-- Copying 65im.ldif
-- Copying 70sun-schema2.ldif
-- Copying 71sun-am.ldif
-- Copying 60iplanet-calendar.ldif
-- Copying 50ns-iabs.ldif
-- Copying 98ns-dummy-uwc.ldif
-- Copying 70delgated-admin.ldif
-- Stopping Directory Server
Directory Server instance '/var/opt/sun/directory/ds7' stopped
-- Starting Directory Server
Directory Server instance '/var/opt/sun/directory/ds7' started:
pid=17137
-- Creating Suffix o=comms-config
-- Done Creating o=comms-config

-- Creating Suffix o=usergroup
-- Done Creating o=usergroup

-- Creating Suffix o=pab
-- Done Creating o=pab

-- Creating Suffix o=PiServerDb

```

```

-- Done Creating o=PiServerDb

-- Creating Suffix o=mlusers
-- Done Creating o=mlusers

-- Applying ldif file /var/tmp/dssetup_20140809091832/dssetup.ldif
modifying entry cn=schema

modifying entry cn=schema

adding new entry cn=CommServers,o=comms-config

-- rejects to /var/tmp/dssetup_20140809091832/dssetup.ldif.rej status =
0
-- ldapmodify returned 0
-- Done Applying ldif file /var/tmp/dssetup_20140809091832/dssetup.ldif

-- /opt/dsee7/bin/dsconf create-index o=usergroup cosspecifier
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup cosspecifier

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup cosspecifier
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr cosspecifier o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup cosspecifier
pres-enabled:on

-- /opt/dsee7/bin/dsconf -t cosspecifier reindex o=usergroup
## usergroupdb2: Indexing attribute: cosspecifier
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t cosspecifier o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup inetCos
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup inetCos

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup inetCos
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr inetCos o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup inetCos
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t inetCos reindex o=usergroup
## usergroupdb2: Indexing attribute: inetCos
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t inetCos o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup memberOf
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup memberOf

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```

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup memberOf
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr memberOf o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup memberOf
eq-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup memberOf
sub-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr memberOf o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup memberOf
sub-enabled:on

-- /opt/dsee7/bin/dsconf -t memberOf reindex o=usergroup
## usergroupdb2: Indexing attribute: memberOf
## usergroupdb2: Index buffer bucket size: 100
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t memberOf o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup groupid
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup groupid

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup groupid
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr groupid o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup groupid
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup groupid
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr groupid o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup groupid
eq-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup groupid
sub-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr groupid o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup groupid
sub-enabled:on

-- /opt/dsee7/bin/dsconf -t groupid reindex o=usergroup
## usergroupdb2: Indexing attribute: groupid
## usergroupdb2: Index buffer bucket size: 100
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t groupid o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup icsCalendar
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup icsCalendar

```

```

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr icsCalendar o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr icsCalendar o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar
eq-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar
approx-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr icsCalendar o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar
approx-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar
sub-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr icsCalendar o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar
sub-enabled:on

-- /opt/dsee7/bin/dsconf -t icsCalendar reindex o=usergroup
## usergroupdb2: Indexing attribute: icsCalendar
## usergroupdb2: Index buffer bucket size: 100
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t icsCalendar o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup ou
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup ou

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup ou pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr ou o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup ou
pres-enabled:on

-- /opt/dsee7/bin/dsconf -t ou reindex o=usergroup
## usergroupdb2: Indexing attribute: ou
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t ou o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup mailEquivalentAddress
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup

```



```

mailEquivalentAddress

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailEquivalentAddress pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailEquivalentAddress o=usergroup" to
reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailEquivalentAddress pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailEquivalentAddress eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailEquivalentAddress o=usergroup" to
reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailEquivalentAddress eq-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailEquivalentAddress approx-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailEquivalentAddress o=usergroup" to
reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailEquivalentAddress approx-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailEquivalentAddress sub-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailEquivalentAddress o=usergroup" to
reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailEquivalentAddress sub-enabled:on

-- /opt/dsee7/bin/dsconf -t mailEquivalentAddress reindex o=usergroup
## usergroupdb2: Indexing attribute: mailEquivalentAddress
## usergroupdb2: Index buffer bucket size: 100
## usergroupdb2: Finished indexing.

Task completed (slapd exitcode: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t mailEquivalentAddress
o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup deleted
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup deleted

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup deleted
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr deleted o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup deleted
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup deleted
eq-enabled:on
Index will not be used unless re-indexed.

```

```

Use "dsconf reindex --attr deleted o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup deleted
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t deleted reindex o=usergroup
## usergroupdb2: Indexing attribute: deleted
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t deleted o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup mgrpUniqueId
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup mgrpUniqueId

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mgrpUniqueId
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mgrpUniqueId o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup mgrpUniqueId
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t mgrpUniqueId reindex o=usergroup
## usergroupdb2: Indexing attribute: mgrpUniqueId
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t mgrpUniqueId o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup davuniqueid
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup davuniqueid

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup davuniqueid
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr davuniqueid o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup davuniqueid
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup davuniqueid
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr davuniqueid o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup davuniqueid
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t davuniqueid reindex o=usergroup
## usergroupdb2: Indexing attribute: davuniqueid
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t davuniqueid o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup mailUserStatus

```

```

-- Done /opt/dsee7/bin/dsconf create-index o=usergroup mailUserStatus

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailUserStatus
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailUserStatus o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailUserStatus
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailUserStatus
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailUserStatus o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailUserStatus
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t mailUserStatus reindex o=usergroup
## usergroupdb2: Indexing attribute: mailUserStatus
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t mailUserStatus o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup icsCalendarOwned
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup icsCalendarOwned

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendarOwned
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr icsCalendarOwned o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
icsCalendarOwned pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendarOwned
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr icsCalendarOwned o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
icsCalendarOwned eq-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendarOwned
approx-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr icsCalendarOwned o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
icsCalendarOwned approx-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendarOwned
sub-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr icsCalendarOwned o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
icsCalendarOwned sub-enabled:on

-- /opt/dsee7/bin/dsconf -t icsCalendarOwned reindex o=usergroup

```

```

## usergroupdb2: Indexing attribute: icsCalendarOwned
## usergroupdb2: Index buffer bucket size: 100
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t icsCalendarOwned o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup inetDomainBaseDN
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup inetDomainBaseDN

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup inetDomainBaseDN
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr inetDomainBaseDN o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
inetDomainBaseDN pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup inetDomainBaseDN
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr inetDomainBaseDN o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
inetDomainBaseDN eq-enabled:on

-- /opt/dsee7/bin/dsconf -t inetDomainBaseDN reindex o=usergroup
## usergroupdb2: Indexing attribute: inetDomainBaseDN
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t inetDomainBaseDN o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup sunOrganizationAlias
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup
sunOrganizationAlias

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup sunOrganizationAlias
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr sunOrganizationAlias o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
sunOrganizationAlias pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup sunOrganizationAlias
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr sunOrganizationAlias o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
sunOrganizationAlias eq-enabled:on

-- /opt/dsee7/bin/dsconf -t sunOrganizationAlias reindex o=usergroup
## usergroupdb2: Indexing attribute: sunOrganizationAlias
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).

```

```

-- Done /opt/dsee7/bin/dsconf reindex -t sunOrganizationAlias
o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup sunPreferredDomain
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup
sunPreferredDomain

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup sunPreferredDomain
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr sunPreferredDomain o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
sunPreferredDomain pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup sunPreferredDomain
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr sunPreferredDomain o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
sunPreferredDomain eq-enabled:on

-- /opt/dsee7/bin/dsconf -t sunPreferredDomain reindex o=usergroup
## usergroupdb2: Indexing attribute: sunPreferredDomain
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t sunPreferredDomain o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup mailDomainStatus
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup mailDomainStatus

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailDomainStatus
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailDomainStatus o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailDomainStatus pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailDomainStatus
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailDomainStatus o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailDomainStatus eq-enabled:on

-- /opt/dsee7/bin/dsconf -t mailDomainStatus reindex o=usergroup
## usergroupdb2: Indexing attribute: mailDomainStatus
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t mailDomainStatus o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup o
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup o

```

```

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup o pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr o o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup o
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup o eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr o o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup o eq-enabled:on

-- /opt/dsee7/bin/dsconf -t o reindex o=usergroup
## usergroupdb2: Indexing attribute: o
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t o o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup associatedDomain
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup associatedDomain

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup associatedDomain
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr associatedDomain o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
associatedDomain pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup associatedDomain
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr associatedDomain o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
associatedDomain eq-enabled:on

-- /opt/dsee7/bin/dsconf -t associatedDomain reindex o=usergroup
## usergroupdb2: Indexing attribute: associatedDomain
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t associatedDomain o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=pab memberOfManagedGroup
-- Done /opt/dsee7/bin/dsconf create-index o=pab memberOfManagedGroup

-- /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfManagedGroup
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr memberOfManagedGroup o=pab" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfManagedGroup
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfManagedGroup

```

```

eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr memberOfManagedGroup o=pab" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfManagedGroup
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t memberOfManagedGroup reindex o=pab
## pabdb2: Indexing attribute: memberOfManagedGroup
## pabdb2: Index buffer bucket size: 0
## pabdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t memberOfManagedGroup o=pab

-- /opt/dsee7/bin/dsconf create-index o=pab memberOfPABGroup
-- Done /opt/dsee7/bin/dsconf create-index o=pab memberOfPABGroup

-- /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPABGroup
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr memberOfPABGroup o=pab" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPABGroup
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPABGroup
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr memberOfPABGroup o=pab" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPABGroup
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t memberOfPABGroup reindex o=pab
## pabdb2: Indexing attribute: memberOfPABGroup
## pabdb2: Index buffer bucket size: 0
## pabdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t memberOfPABGroup o=pab

-- /opt/dsee7/bin/dsconf create-index o=pab memberOfPAB
-- Done /opt/dsee7/bin/dsconf create-index o=pab memberOfPAB

-- /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPAB
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr memberOfPAB o=pab" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPAB
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPAB eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr memberOfPAB o=pab" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPAB
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t memberOfPAB reindex o=pab

```

```

## pabdb2: Indexing attribute: memberOfPAB
## pabdb2: Index buffer bucket size: 0
## pabdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t memberOfPAB o=pab

-- /opt/dsee7/bin/dsconf create-index o=pab un
-- Done /opt/dsee7/bin/dsconf create-index o=pab un

-- /opt/dsee7/bin/dsconf set-index-prop o=pab un eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr un o=pab" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=pab un eq-enabled:on

-- /opt/dsee7/bin/dsconf -t un reindex o=pab
## pabdb2: Indexing attribute: un
## pabdb2: Index buffer bucket size: 0
## pabdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t un o=pab

-- /opt/dsee7/bin/dsconf create-index o=PiServerDb MemberOfPiBook
-- Done /opt/dsee7/bin/dsconf create-index o=PiServerDb MemberOfPiBook

-- /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb MemberOfPiBook
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr MemberOfPiBook o=PiServerDb" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb MemberOfPiBook
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t MemberOfPiBook reindex o=PiServerDb
## PiServerDbdb2: Indexing attribute: MemberOfPiBook
## PiServerDbdb2: Index buffer bucket size: 0
## PiServerDbdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t MemberOfPiBook o=PiServerDb

-- /opt/dsee7/bin/dsconf create-index o=PiServerDb MemberofPiGroup
-- Done /opt/dsee7/bin/dsconf create-index o=PiServerDb MemberofPiGroup

-- /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb MemberofPiGroup
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr MemberofPiGroup o=PiServerDb" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb
MemberofPiGroup eq-enabled:on

-- /opt/dsee7/bin/dsconf -t MemberofPiGroup reindex o=PiServerDb
## PiServerDbdb2: Indexing attribute: MemberofPiGroup
## PiServerDbdb2: Index buffer bucket size: 0
## PiServerDbdb2: Finished indexing.

```



```

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t MemberofPiGroup o=PiServerDb

-- /opt/dsee7/bin/dsconf create-index o=PiServerDb displayname
-- Done /opt/dsee7/bin/dsconf create-index o=PiServerDb displayname

-- /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb displayname
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr displayname o=PiServerDb" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb displayname
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb displayname
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr displayname o=PiServerDb" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb displayname
eq-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb displayname
sub-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr displayname o=PiServerDb" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb displayname
sub-enabled:on

-- /opt/dsee7/bin/dsconf -t displayname reindex o=PiServerDb
## PiServerDbdb2: Indexing attribute: displayname
## PiServerDbdb2: Index buffer bucket size: 100
## PiServerDbdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t displayname o=PiServerDb

-- /opt/dsee7/bin/dsconf create-index o=mlusers mlsubMail
-- Done /opt/dsee7/bin/dsconf create-index o=mlusers mlsubMail

-- /opt/dsee7/bin/dsconf set-index-prop o=mlusers mlsubMail
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mlsubMail o=mlusers" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=mlusers mlsubMail
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t mlsubMail reindex o=mlusers
## mlusersdb2: Indexing attribute: mlsubMail
## mlusersdb2: Index buffer bucket size: 0
## mlusersdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t mlsubMail o=mlusers

-- /opt/dsee7/bin/dsconf create-index o=mlusers mlsubListIdentifier
-- Done /opt/dsee7/bin/dsconf create-index o=mlusers mlsubListIdentifier

```

```
-- /opt/dsee7/bin/dsconf set-index-prop o=mlusers mlsbListIdentifier
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mlsbListIdentifier o=mlusers" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=mlusers
mlsbListIdentifier eq-enabled:on

-- /opt/dsee7/bin/dsconf -t mlsbListIdentifier reindex o=mlusers
## mlusersdb2: Indexing attribute: mlsbListIdentifier
## mlusersdb2: Index buffer bucket size: 0
## mlusersdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t mlsbListIdentifier o=mlusers

Successful Completion. Consult
/var/tmp/dssetup_20140809091832/dssetup.log for details
```

```
[533 Sat Aug 09 09:21:59 root@host% /opt/sun/comms/dssetup# ]
```

Communications Suite 7.0.6 Shared Components

Oracle Communications Unified Communications Suite 7.0.6 Shared Components Bundled With the Communications Suite Installer

For the list of shared components that can be installed by the Communications Suite installer, run the `commpkg info --listPackages` command. See [commpkg info 7.0.6 Usage](#) for additional information.

GlassFish Message Queue is automatically installed with the other shared components.

See the following output for each supported operating system for more information:

- [listPackages for Solaris OS 10 SPARC in Communications Suite 7.0.6](#)
- [listPackages for Solaris OS 10 x86 in Communications Suite 7.0.6](#)
- [listPackages for Solaris OS 11 SPARC in Communications Suite 7.0.6](#)
- [listPackages for Solaris OS 11 x86 in Communications Suite 7.0.6](#)
- [listPackages for Red Hat Linux 4, 32-bit in Communications Suite 7.0.6](#)
- [listPackages for Red Hat Linux 5, 64-bit in Communications Suite 7.0.6](#)
- [listPackages for Oracle Linux 6, 64-bit in Communications Suite 7.0.6](#)

listPackages for Oracle Linux 6, 64-bit in Communications Suite 7.0.6

listPackages for Oracle Linux 6, 64-bit in Communications Suite 7.0.6

This sample session shows the output of `commpkg info --listPackages` in Communications Suite 7.0.6 on Oracle Linux 6, 64-bit.

Topics:

- [Summary of commands run:](#)
- [Session](#)

Summary of commands run:

```
673 cat /etc/oracle-release
674 lsb_release -sr
675 uname -a
676 ./commpkg -V
677 cat /etc/redhat-release
678 ./commpkg info --listPackages
```

Session

```
[673 Fri Aug 08 17:13:58 user@host% ~/wspace/releases/ci76$ ]
$ cat /etc/oracle-release
Oracle Linux Server release 6.4
[674 Fri Aug 08 17:14:24 user@host% ~/wspace/releases/ci76$ ]
$ lsb_release -sr
6.4
[675 Fri Aug 08 17:14:28 user@host% ~/wspace/releases/ci76$ ]
$ uname -a
Linux host 2.6.39-400.21.1.el6uek.x86_64 #1 SMP Thu Apr 4 03:49:00 PDT
2013 x86_64 x86_64 x86_64 GNU/Linux
[676 Fri Aug 08 17:14:31 user@host% ~/wspace/releases/ci76$ ]
$ ./commpkg -V
CommsInstaller version 7.0.6.0.0 (7.6-0.10) built on Tue Jul 1 21:57:57
PDT 2014
[677 Fri Aug 08 17:14:34 user@host% ~/wspace/releases/ci76$ ]
$ cat /etc/redhat-release
Red Hat Enterprise Linux Server release 6.4 (Santiago)
[678 Fri Aug 08 17:14:37 user@host% ~/wspace/releases/ci76$ ]
$ ./commpkg info --listPackages
-- LOGFILE: /tmp/CommsInstaller_20140808171443.log
CommsInstaller version 7.0.6.0.0 (7.6-0.10) built on Tue Jul 1 21:57:57
PDT 2014
Package list per product

Product: Messaging Server (32bit)
Product Group: Comms
Description: Messaging Server 32bit Edition
Oracle Version: 7.0.5.31.0
Version: 7.5_32
```

Marketing Version: 7u5
 Full Version: 7.5-31.0
 Build Date: 20140505
 Mnemonic: MS
 Installation directory: <INSTALLROOT>/messaging
 Patches:
 Dependencies:
 NSS
 Package Name/Version:
 sun-messaging-server 7.5-31.0.i386

Product: Messaging Server (64bit)
 Product Group: Comms
 Description: Messaging Server 64bit Edition
 Oracle Version: 7.0.5.31.0
 Version: 7.5
 Marketing Version: 7u5
 Full Version: 7.5-31.0
 Build Date: 20140505
 Mnemonic: MS64
 Installation directory: <INSTALLROOT>/messaging64
 Patches:
 Dependencies:
 NSS
 Package Name/Version:
 sun-messaging-server64 7.5-31.0.x86_64

Product: Comms DSsetup
 Product Group: Comms
 Description: Comms Directory Server Setup
 Oracle Version: 6.4.0.26.0
 Version: 6.4
 Marketing Version: 6.4
 Full Version: 6.4-26.01
 Build Date: 20140418
 Mnemonic: DSSETUP
 Installation directory: <INSTALLROOT>/dssetup
 Patches:
 Dependencies:
 LDAPSDK6_TOOLS
 Package Name/Version:
 sun-comms-dssetup 6.4-26.01.i386

Product: Calendar Server
 Product Group: Comms
 Description: Calendar Server
 Oracle Version: 7.0.4.15.0
 Version: 7.4
 Marketing Version: 7u4
 Full Version: 7.4-15.10
 Build Date: 20140425
 Mnemonic: DAV
 Installation directory: <INSTALLROOT>/davserver
 Patches:
 Dependencies:
 JDK

Package Name/Version:
 sun-davserver 7.4-15.10.i386

Product: Instant Messaging
 Product Group: Comms
 Description: Instant Messaging
 Oracle Version: 9.0.2.6.0
 Version: 9.2
 Marketing Version: 9u2
 Full Version: 9.2-06.7
 Build Date: 20140625
 Mnemonic: IM
 Installation directory: <INSTALLROOT>/im
 Patches:
 Dependencies:

MQ
 IMAPI
 MQ_L10N
 JDK
 NSS

Package Name/Version:
 sun-im-install 9.2-06.7.x86_64
 sun-im-server 9.2-06.7.x86_64
 sun-im-mux 9.2-06.7.x86_64
 sun-im-apidoc 9.2-06.7.x86_64
 sun-im-ident 9.2-06.7.x86_64
 sun-im-gateways 9.2-06.7.x86_64
 sun-im-webapps 9.2-06.7.x86_64
 sun-im-fed 9.2-06.7.x86_64

Product: Convergence
 Product Group: Comms
 Description: Integrated Web Client
 Oracle Version: 3.0.0.1.0
 Version: 3.0
 Marketing Version: 3
 Full Version: 3.0-1.0022
 Build Date: 20140629
 Mnemonic: IWC
 Installation directory: <INSTALLROOT>/iwc
 Patches:
 Dependencies:

JDK

Package Name/Version:
 sun-iwc 3.0-1.0022.i386

Product: Indexing and Search Service
 Product Group: Comms
 Description: Indexing Search Services
 Oracle Version: 1.0.5.22.0
 Version: 1.5
 Marketing Version: 1u5
 Full Version: 1.5-22.11300
 Build Date: 20140528
 Mnemonic: JISS
 Installation directory: <INSTALLROOT>/jiss

Patches:
Dependencies:
MQ
MQ_L10N
JDK
Package Name/Version:
sun-jiss 1.5-22.11300.noarch

Product: Contacts Server
Product Group: Comms
Description: Contacts Server
Oracle Version: 8.0.0.0.0
Version: 8.0
Marketing Version: 8
Full Version: 8.0-0.52
Build Date: 20140522
Mnemonic: NAB
Installation directory: <INSTALLROOT>/nabserver
Patches:
Dependencies:
JDK
Package Name/Version:
sun-nabserver 8.0-0.52.i386

Product: NSPR/NSS/JSS
Product Group: Shared Component
Description: Network Security Services, Netscape Portable Runtime
Oracle Version: Not Found
Version: 4.8.9
Marketing Version: 4.8.9
Mnemonic: NSS
Installation directory: <package default>
Patches:
Dependencies:
Package Name/Version:
sun-nspr 4.8.9-1.x86_64
sun-nspr 4.8.9-1.i386
sun-nss 3.13.1-1.x86_64
sun-nss 3.13.1-1.i386
sun-jss 4.3.2-4.x86_64
sun-jss 4.3.2-4.i386

Product: Simple Authentication and Security Layer
Product Group: Shared Component
Description:
Oracle Version: Not Found
Version: 2.19
Marketing Version: 2.19
Mnemonic: SASL
Installation directory: <package default>
Patches:
Dependencies:
Package Name/Version:
sun-sasl 2.19-6.x86_64
sun-sasl 2.19-6.i386

Product: LDAPCSDK6
Product Group: Shared Component
Description: ldap c sdk 6
Oracle Version: Not Found
Version: 6.0
Marketing Version: 6.0
Mnemonic: LDAPCSDK6
Installation directory: <package default>
Patches:
Dependencies:
SASL
ICU
NSS
Package Name/Version:
sun-ldapcsdk-libs 6.00-8.x86_64
sun-ldapcsdk-libs 6.00-8.i386
sun-ldapcsdk-dev 6.00-8.i386

Product: LDAPCSDK6 Tools
Product Group: Shared Component
Description: ldap c sdk 6 Tools
Oracle Version: Not Found
Version: 6.0
Marketing Version: 6.0
Mnemonic: LDAPCSDK6_TOOLS
Installation directory: <INSTALLROOT>/directory
Patches:
Dependencies:
LDAPCSDK6
Package Name/Version:
sun-ldapcsdk-tools 6.00-8.x86_64

Product: International Components for Unicode
Product Group: Shared Component
Description:
Oracle Version: Not Found
Version: ICU2,ICU3
Marketing Version: ICU2,ICU3
Mnemonic: ICU
Installation directory: <package default>
Patches:
Dependencies:
Package Name/Version:
sun-icu 3.2.1-5.x86_64
sun-icu 3.2.1-5.i386

Product: Java Help Runtime
Product Group: Shared Component
Description: Java Help Runtime
Oracle Version: Not Found
Version: 2.0
Marketing Version: 2.0
Mnemonic: JHRT
Installation directory: <package default>
Patches:
Dependencies:

JDK
 Package Name/Version:
 sun-javahelp 2.0-fcs.i586

Product: Message Queue
 Product Group: Shared Component
 Description: Message Queue
 Oracle Version: Not Found
 Version: 4.4
 Marketing Version: 4.4
 Mnemonic: MQ
 Installation directory: <package default>
 Patches:
 Dependencies:
 JHRT
 JDK
 NSS

Package Name/Version:
 sun-mq-config 4.4-10.i386
 sun-mq-var 4.4-10.i386
 sun-mq-jaxm 4.4-10.i386
 sun-mq-jmsclient 4.4-10.i386
 sun-mq-xmlclient 4.4-10.i386
 sun-mq-capi 4.4-10.i386
 sun-mq 4.4-10.i386
 sun-mq-ent 4.4-10.i386

Product: Message Queue Localization
 Product Group: Shared Component
 Description: Message Queue Localization
 Oracle Version: Not Found
 Version: 4.4
 Marketing Version: 4.4
 Mnemonic: MQ_L10N
 Installation directory: <package default>
 Patches:
 Dependencies:
 MQ

Package Name/Version:
 sun-mq-de 4.4-1.i386
 sun-mq-es 4.4-1.i386
 sun-mq-fr 4.4-1.i386
 sun-mq-ja 4.4-1.i386
 sun-mq-ko 4.4-1.i386
 sun-mq-zh_CN 4.4-1.i386
 sun-mq-zh_TW 4.4-1.i386

Product: Instant Messaging API
 Product Group: Shared Component
 Description: Instant Messaging API
 Oracle Version: Not Found
 Version: 9.2
 Marketing Version: 9u2
 Mnemonic: IMAPI
 Installation directory: <package default>
 Patches:

Dependencies:

Package Name/Version:

sun-im-dev 9.2-06.7.x86_64

Product: MySQL Marker

Product Group: OS Auxiliary

Description: MySQL Marker

Oracle Version: Not Found

Version: 1.1

Marketing Version: 1.1

Mnemonic: MYSQL_MARKER

Installation directory: <package default>

Patches:

Dependencies:

Package Name/Version:

sun-comms-mysql-marker 1.1-0.01.i386

Product: CommsInstaller

Product Group: CI Products

Description: The CommsInstaller installed as a package

Oracle Version: 7.0.6.0.0

Version: 7.6

Marketing Version: 7u6

Full Version: 7.6-0.10

Build Date: 20140701

Mnemonic: CI

Installation directory: <INSTALLROOT>/CommsInstaller

Patches:

Dependencies:

Package Name/Version:

```
sun-comms-installer 7.6-0.10.i386  
[679 Fri Aug 08 17:14:45 user@host% ~/wspace/releases/ci76$ ]
```

listPackages for Red Hat Linux 4, 32-bit in Communications Suite 7.0.6

listPackages for Red Hat Linux 4, 32-bit in Communications Suite 7.0.6

This sample session shows the output of `commpkg info --listPackages` in Communications Suite 7.0.6 on Red Hat Linux 4, 32-bit.

Topics:

- [Summary of commands run:](#)
- [Session](#)

Summary of commands run:

```
557 ls /etc/oracle*
558 cat /etc/redhat-release
559 uname -a
560 lsb_release -sr
561 ./commpkg -V
562 ./commpkg info --listPackages
```

Session

```
[557 Fri Aug 08 15:55:42 user@host% ~/wspace/releases/ci76$ ]
$ ls /etc/oracle*
/bin/ls: /etc/oracle*: No such file or directory
[558 Fri Aug 08 15:55:51 user@host% ~/wspace/releases/ci76$ ]
$ cat /etc/redhat-release
Red Hat Enterprise Linux AS release 4 (Nahant Update 4)
[559 Fri Aug 08 15:55:56 user@host% ~/wspace/releases/ci76$ ]
$ uname -a
Linux host 2.6.9-42.ELsmp #1 SMP Wed Jul 12 23:32:02 EDT 2006 x86_64
x86_64 x86_64 GNU/Linux
[560 Fri Aug 08 15:55:58 user@host% ~/wspace/releases/ci76$ ]
$ lsb_release -sr
4
[561 Fri Aug 08 15:56:07 user@host% ~/wspace/releases/ci76$ ]
$ ./commpkg -V
CommsInstaller version 7.0.6.0.0 (7.6-0.10) built on Tue Jul 1 21:57:57
PDT 2014
[562 Fri Aug 08 15:56:11 user@host% ~/wspace/releases/ci76$ ]
$ ./commpkg info --listPackages
-- LOGFILE: /tmp/CommsInstaller_20140808155617.log
CommsInstaller version 7.0.6.0.0 (7.6-0.10) built on Tue Jul 1 21:57:57
PDT 2014
Package list per product

Product: Messaging Server (32bit)
Product Group: Comms
Description: Messaging Server 32bit Edition
Oracle Version: 7.0.5.31.0
Version: 7.5_32
```

Marketing Version: 7u5
 Full Version: 7.5-31.0
 Build Date: 20140505
 Mnemonic: MS
 Installation directory: <INSTALLROOT>/messaging
 Patches:
 Dependencies:
 NSS
 Package Name/Version:
 sun-messaging-server 7.5-31.0.i386

Product: Comms DSsetup
 Product Group: Comms
 Description: Comms Directory Server Setup
 Oracle Version: 6.4.0.26.0
 Version: 6.4
 Marketing Version: 6.4
 Full Version: 6.4-26.01
 Build Date: 20140418
 Mnemonic: DSSETUP
 Installation directory: <INSTALLROOT>/dssetup
 Patches:
 Dependencies:
 LDAPCSKD6_TOOLS
 Package Name/Version:
 sun-comms-dssetup 6.4-26.01.i386

Product: Comms Delegated Administrator
 Product Group: Comms
 Description: Comms Delegated Administrator
 Oracle Version: 7.0.0.9.0
 Version: 7.0
 Marketing Version: 7
 Full Version: 7.0-9.00
 Build Date: 20140106
 Mnemonic: DA
 Installation directory: <INSTALLROOT>/da
 Patches:
 Dependencies:
 JDK
 LDAPCSKD6_TOOLS
 NSS
 Package Name/Version:
 sun-commda 7.0-9.00.i386

Product: NSPR/NSS/JSS
 Product Group: Shared Component
 Description: Network Security Services, Netscape Portable Runtime
 Oracle Version: Not Found
 Version: 4.8.9
 Marketing Version: 4.8.9
 Mnemonic: NSS
 Installation directory: <package default>
 Patches:
 Dependencies:
 Package Name/Version:

sun-nspr 4.8.9-1.x86_64
sun-nspr 4.8.9-1.i386
sun-nss 3.13.1-1.x86_64
sun-nss 3.13.1-1.i386
sun-jss 4.3.2-4.x86_64
sun-jss 4.3.2-4.i386

Product: Simple Authentication and Security Layer
Product Group: Shared Component
Description:
Oracle Version: Not Found
Version: 2.19
Marketing Version: 2.19
Mnemonic: SASL
Installation directory: <package default>
Patches:
Dependencies:
Package Name/Version:
sun-sasl 2.19-6.x86_64
sun-sasl 2.19-6.i386

Product: LDAPCSDK6
Product Group: Shared Component
Description: ldap c sdk 6
Oracle Version: Not Found
Version: 6.0
Marketing Version: 6.0
Mnemonic: LDAPCSDK6
Installation directory: <package default>
Patches:
Dependencies:
SASL
ICU
NSS
Package Name/Version:
sun-ldapcsdk-libs 6.00-8.x86_64
sun-ldapcsdk-libs 6.00-8.i386
sun-ldapcsdk-dev 6.00-8.i386

Product: LDAPCSDK6 Tools
Product Group: Shared Component
Description: ldap c sdk 6 Tools
Oracle Version: Not Found
Version: 6.0
Marketing Version: 6.0
Mnemonic: LDAPCSDK6_TOOLS
Installation directory: <INSTALLROOT>/directory
Patches:
Dependencies:
LDAPCSDK6
Package Name/Version:
sun-ldapcsdk-tools 6.00-8.x86_64

Product: International Components for Unicode
Product Group: Shared Component
Description:

Oracle Version: Not Found
Version: ICU2,ICU3
Marketing Version: ICU2,ICU3
Mnemonic: ICU
Installation directory: <package default>
Patches:
Dependencies:
Package Name/Version:
sun-icu 3.2.1-5.x86_64
sun-icu 3.2.1-5.i386

Product: Java Help Runtime
Product Group: Shared Component
Description: Java Help Runtime
Oracle Version: Not Found
Version: 2.0
Marketing Version: 2.0
Mnemonic: JHRT
Installation directory: <package default>
Patches:
Dependencies:
JDK
Package Name/Version:
sun-javahelp 2.0-fcs.i586

Product: Message Queue
Product Group: Shared Component
Description: Message Queue
Oracle Version: Not Found
Version: 4.4
Marketing Version: 4.4
Mnemonic: MQ
Installation directory: <package default>
Patches:
Dependencies:
JHRT
JDK
NSS
Package Name/Version:
sun-mq-config 4.4-10.i386
sun-mq-var 4.4-10.i386
sun-mq-jaxm 4.4-10.i386
sun-mq-jmsclient 4.4-10.i386
sun-mq-xmlclient 4.4-10.i386
sun-mq-capi 4.4-10.i386
sun-mq 4.4-10.i386
sun-mq-ent 4.4-10.i386

Product: Message Queue Localization
Product Group: Shared Component
Description: Message Queue Localization
Oracle Version: Not Found
Version: 4.4
Marketing Version: 4.4
Mnemonic: MQ_L10N
Installation directory: <package default>

Patches:
 Dependencies:
 MQ
 Package Name/Version:
 sun-mq-de 4.4-1.i386
 sun-mq-es 4.4-1.i386
 sun-mq-fr 4.4-1.i386
 sun-mq-ja 4.4-1.i386
 sun-mq-ko 4.4-1.i386
 sun-mq-zh_CN 4.4-1.i386
 sun-mq-zh_TW 4.4-1.i386

Product: Instant Messaging API
 Product Group: Shared Component
 Description: Instant Messaging API
 Oracle Version: Not Found
 Version: 9.2
 Marketing Version: 9u2
 Mnemonic: IMAPI
 Installation directory: <package default>
 Patches:
 Dependencies:
 Package Name/Version:
 sun-im-dev 9.2-06.7.x86_64

Product: MySQL Marker
 Product Group: OS Auxiliary
 Description: MySQL Marker
 Oracle Version: Not Found
 Version: 1.1
 Marketing Version: 1.1
 Mnemonic: MYSQL_MARKER
 Installation directory: <package default>
 Patches:
 Dependencies:
 Package Name/Version:
 sun-comms-mysql-marker 1.1-0.01.i386

Product: CommsInstaller
 Product Group: CI Products
 Description: The CommsInstaller installed as a package
 Oracle Version: 7.0.6.0.0
 Version: 7.6
 Marketing Version: 7u6
 Full Version: 7.6-0.10
 Build Date: 20140701
 Mnemonic: CI
 Installation directory: <INSTALLROOT>/CommsInstaller
 Patches:
 Dependencies:
 Package Name/Version:

```
sun-comms-installer 7.6-0.10.i386  
[563 Fri Aug 08 15:56:19 user@host% ~/wspace/releases/ci76$ ]
```

listPackages for Red Hat Linux 5, 64-bit in Communications Suite 7.0.6

listPackages for Red Hat Linux 5, 64-bit in Communications Suite 7.0.6

This sample session shows the output of `commpkg info --listPackages` in Communications Suite 7.0.6.0.0 on Red Hat Linux 5.8, 64-bit.

Topics:

- [Summary of commands run:](#)
- [Session](#)

Summary of commands run:

```
685 cat /etc/oracle-release
686 lsb_release -sr
687 ./commpkg -V
688 uname -a
689 cat /etc/redhat-release
690 ./commpkg info --listPackages
```

Session

```
[685 Fri Aug 08 16:02:40 user@host% ~/wspace/releases/ci76$ ]
$ cat /etc/oracle-release
Oracle Linux Server release 5.8
[686 Fri Aug 08 16:02:45 user@host% ~/wspace/releases/ci76$ ]
$ lsb_release -sr
5.8
[687 Fri Aug 08 16:02:49 user@host% ~/wspace/releases/ci76$ ]
$ ./commpkg -V
CommsInstaller version 7.0.6.0.0 (7.6-0.10) built on Tue Jul 1 21:57:57
PDT 2014
[688 Fri Aug 08 16:02:55 user@host% ~/wspace/releases/ci76$ ]
$ uname -a
Linux host 2.6.18-308.0.0.1.el5xen #1 SMP Sat Feb 25 16:26:29 EST 2012
x86_64 x86_64 x86_64 GNU/Linux
[689 Fri Aug 08 16:02:59 user@host% ~/wspace/releases/ci76$ ]
$ cat /etc/redhat-release
Red Hat Enterprise Linux Server release 5.8 (Tikanga)
[690 Fri Aug 08 16:03:03 user@host% ~/wspace/releases/ci76$ ]
$ ./commpkg info --listPackages
-- LOGFILE: /tmp/CommsInstaller_20140808160309.log
CommsInstaller version 7.0.6.0.0 (7.6-0.10) built on Tue Jul 1 21:57:57
PDT 2014
Package list per product

Product: Messaging Server (32bit)
Product Group: Comms
Description: Messaging Server 32bit Edition
Oracle Version: 7.0.5.31.0
Version: 7.5_32
```

Marketing Version: 7u5
 Full Version: 7.5-31.0
 Build Date: 20140505
 Mnemonic: MS
 Installation directory: <INSTALLROOT>/messaging
 Patches:
 Dependencies:
 NSS
 Package Name/Version:
 sun-messaging-server 7.5-31.0.i386

Product: Messaging Server (64bit)
 Product Group: Comms
 Description: Messaging Server 64bit Edition
 Oracle Version: 7.0.5.31.0
 Version: 7.5
 Marketing Version: 7u5
 Full Version: 7.5-31.0
 Build Date: 20140505
 Mnemonic: MS64
 Installation directory: <INSTALLROOT>/messaging64
 Patches:
 Dependencies:
 NSS
 Package Name/Version:
 sun-messaging-server64 7.5-31.0.x86_64

Product: Comms DSsetup
 Product Group: Comms
 Description: Comms Directory Server Setup
 Oracle Version: 6.4.0.26.0
 Version: 6.4
 Marketing Version: 6.4
 Full Version: 6.4-26.01
 Build Date: 20140418
 Mnemonic: DSSETUP
 Installation directory: <INSTALLROOT>/dssetup
 Patches:
 Dependencies:
 LDAPSDK6_TOOLS
 Package Name/Version:
 sun-comms-dssetup 6.4-26.01.i386

Product: Calendar Server
 Product Group: Comms
 Description: Calendar Server
 Oracle Version: 7.0.4.15.0
 Version: 7.4
 Marketing Version: 7u4
 Full Version: 7.4-15.10
 Build Date: 20140425
 Mnemonic: DAV
 Installation directory: <INSTALLROOT>/davserver
 Patches:
 Dependencies:
 JDK

Package Name/Version:
 sun-davserver 7.4-15.10.i386

Product: Instant Messaging
 Product Group: Comms
 Description: Instant Messaging
 Oracle Version: 9.0.2.6.0
 Version: 9.2
 Marketing Version: 9u2
 Full Version: 9.2-06.7
 Build Date: 20140625
 Mnemonic: IM
 Installation directory: <INSTALLROOT>/im
 Patches:
 Dependencies:

MQ
 IMAPI
 MQ_L10N
 JDK
 NSS

Package Name/Version:
 sun-im-install 9.2-06.7.x86_64
 sun-im-server 9.2-06.7.x86_64
 sun-im-mux 9.2-06.7.x86_64
 sun-im-apidoc 9.2-06.7.x86_64
 sun-im-ident 9.2-06.7.x86_64
 sun-im-gateways 9.2-06.7.x86_64
 sun-im-webapps 9.2-06.7.x86_64
 sun-im-fed 9.2-06.7.x86_64

Product: Convergence
 Product Group: Comms
 Description: Integrated Web Client
 Oracle Version: 3.0.0.1.0
 Version: 3.0
 Marketing Version: 3
 Full Version: 3.0-1.0022
 Build Date: 20140629
 Mnemonic: IWC
 Installation directory: <INSTALLROOT>/iwc
 Patches:
 Dependencies:

JDK

Package Name/Version:
 sun-iwc 3.0-1.0022.i386

Product: Indexing and Search Service
 Product Group: Comms
 Description: Indexing Search Services
 Oracle Version: 1.0.5.22.0
 Version: 1.5
 Marketing Version: 1u5
 Full Version: 1.5-22.11300
 Build Date: 20140528
 Mnemonic: JISS
 Installation directory: <INSTALLROOT>/jiss

Patches:
Dependencies:
MQ
MQ_L10N
JDK
Package Name/Version:
sun-jiss 1.5-22.11300.noarch

Product: Comms Delegated Administrator
Product Group: Comms
Description: Comms Delegated Administrator
Oracle Version: 7.0.0.9.0
Version: 7.0
Marketing Version: 7
Full Version: 7.0-9.00
Build Date: 20140106
Mnemonic: DA
Installation directory: <INSTALLROOT>/da
Patches:
Dependencies:
JDK
LDAPSDK6_TOOLS
NSS
Package Name/Version:
sun-commda 7.0-9.00.i386

Product: NSPR/NSS/JSS
Product Group: Shared Component
Description: Network Security Services, Netscape Portable Runtime
Oracle Version: Not Found
Version: 4.8.9
Marketing Version: 4.8.9
Mnemonic: NSS
Installation directory: <package default>
Patches:
Dependencies:
Package Name/Version:
sun-nspr 4.8.9-1.x86_64
sun-nspr 4.8.9-1.i386
sun-nss 3.13.1-1.x86_64
sun-nss 3.13.1-1.i386
sun-jss 4.3.2-4.x86_64
sun-jss 4.3.2-4.i386

Product: Simple Authentication and Security Layer
Product Group: Shared Component
Description:
Oracle Version: Not Found
Version: 2.19
Marketing Version: 2.19
Mnemonic: SASL
Installation directory: <package default>
Patches:
Dependencies:
Package Name/Version:
sun-sasl 2.19-6.x86_64

sun-sasl 2.19-6.i386

Product: LDAPCSDK6
Product Group: Shared Component
Description: ldap c sdk 6
Oracle Version: Not Found
Version: 6.0
Marketing Version: 6.0
Mnemonic: LDAPCSDK6
Installation directory: <package default>
Patches:
Dependencies:
SASL
ICU
NSS
Package Name/Version:
sun-ldapcsdk-libs 6.00-8.x86_64
sun-ldapcsdk-libs 6.00-8.i386
sun-ldapcsdk-dev 6.00-8.i386

Product: LDAPCSDK6 Tools
Product Group: Shared Component
Description: ldap c sdk 6 Tools
Oracle Version: Not Found
Version: 6.0
Marketing Version: 6.0
Mnemonic: LDAPCSDK6_TOOLS
Installation directory: <INSTALLROOT>/directory
Patches:
Dependencies:
LDAPCSDK6
Package Name/Version:
sun-ldapcsdk-tools 6.00-8.x86_64

Product: International Components for Unicode
Product Group: Shared Component
Description:
Oracle Version: Not Found
Version: ICU2,ICU3
Marketing Version: ICU2,ICU3
Mnemonic: ICU
Installation directory: <package default>
Patches:
Dependencies:
Package Name/Version:
sun-icu 3.2.1-5.x86_64
sun-icu 3.2.1-5.i386

Product: Java Help Runtime
Product Group: Shared Component
Description: Java Help Runtime
Oracle Version: Not Found
Version: 2.0
Marketing Version: 2.0
Mnemonic: JHRT
Installation directory: <package default>

Patches:
 Dependencies:
 JDK
 Package Name/Version:
 sun-javahelp 2.0-fcs.i586

Product: Message Queue
 Product Group: Shared Component
 Description: Message Queue
 Oracle Version: Not Found
 Version: 4.4
 Marketing Version: 4.4
 Mnemonic: MQ
 Installation directory: <package default>
 Patches:
 Dependencies:
 JHRT
 JDK
 NSS
 Package Name/Version:
 sun-mq-config 4.4-10.i386
 sun-mq-var 4.4-10.i386
 sun-mq-jaxm 4.4-10.i386
 sun-mq-jmsclient 4.4-10.i386
 sun-mq-xmlclient 4.4-10.i386
 sun-mq-capi 4.4-10.i386
 sun-mq 4.4-10.i386
 sun-mq-ent 4.4-10.i386

Product: Message Queue Localization
 Product Group: Shared Component
 Description: Message Queue Localization
 Oracle Version: Not Found
 Version: 4.4
 Marketing Version: 4.4
 Mnemonic: MQ_L10N
 Installation directory: <package default>
 Patches:
 Dependencies:
 MQ
 Package Name/Version:
 sun-mq-de 4.4-1.i386
 sun-mq-es 4.4-1.i386
 sun-mq-fr 4.4-1.i386
 sun-mq-ja 4.4-1.i386
 sun-mq-ko 4.4-1.i386
 sun-mq-zh_CN 4.4-1.i386
 sun-mq-zh_TW 4.4-1.i386

Product: Instant Messaging API
 Product Group: Shared Component
 Description: Instant Messaging API
 Oracle Version: Not Found
 Version: 9.2
 Marketing Version: 9u2
 Mnemonic: IMAPI

Installation directory: <package default>

Patches:

Dependencies:

Package Name/Version:

sun-im-dev 9.2-06.7.x86_64

Product: MySQL Marker

Product Group: OS Auxiliary

Description: MySQL Marker

Oracle Version: Not Found

Version: 1.1

Marketing Version: 1.1

Mnemonic: MYSQL_MARKER

Installation directory: <package default>

Patches:

Dependencies:

Package Name/Version:

sun-comms-mysql-marker 1.1-0.01.i386

Product: CommsInstaller

Product Group: CI Products

Description: The CommsInstaller installed as a package

Oracle Version: 7.0.6.0.0

Version: 7.6

Marketing Version: 7u6

Full Version: 7.6-0.10

Build Date: 20140701

Mnemonic: CI

Installation directory: <INSTALLROOT>/CommsInstaller

Patches:

Dependencies:

Package Name/Version:

```
sun-comms-installer 7.6-0.10.i386  
[691 Fri Aug 08 16:03:12 user@host% ~/wspace/releases/ci76$ ]
```

listPackages for Solaris OS 10 SPARC in Communications Suite 7.0.6

listPackages for Solaris OS 10 SPARC in Communications Suite 7.0.6

This sample session shows the output of `commpkg info --listPackages` in Communications Suite 7.0.6.0.0 on Solaris OS 10 SPARC.

Topics:

- [Summary of Commands Run:](#)
- [Session](#)

Summary of Commands Run:

```
507 ./commpkg -V
508 uname -a
509 cat /etc/release
510 isainfo -b
511 ./commpkg info --listPackages
```

Session

```
[507 Fri Aug 08 15:18:00 root@host% /home/user/wspace/releases/ci76# ]
# ./commpkg -V
CommsInstaller version 7.0.6.0.0 (7.6-0.10) built on Tue Jul 1 21:57:57
PDT 2014
[508 Fri Aug 08 15:18:13 root@host% /home/user/wspace/releases/ci76# ]
# uname -a
SunOS host 5.10 Generic_147440-12 sun4v sparc sun4v
[509 Fri Aug 08 15:18:15 root@host% /home/user/wspace/releases/ci76# ]
# cat /etc/release
Oracle Solaris 10 8/11 s10s_u10wos_17b SPARC
Copyright (c) 1983, 2011, Oracle and/or its affiliates. All rights
reserved.
Assembled 23 August 2011
[510 Fri Aug 08 15:18:20 root@host% /home/user/wspace/releases/ci76# ]
# isainfo -b
64
[511 Fri Aug 08 15:18:23 root@host% /home/user/wspace/releases/ci76# ]
# ./commpkg info --listPackages
-- LOGFILE: /tmp/CommsInstaller_20140808151829.log
CommsInstaller version 7.0.6.0.0 (7.6-0.10) built on Tue Jul 1 21:57:57
PDT 2014
Package list per product

Product: Messaging Server (64bit)
Product Group: Comms
Description: Messaging Server 64bit Edition
Oracle Version: 7.0.5.31.0
Version: 7.5
Marketing Version: 7u5
Full Version: 7.5-31.0
```

Build Date: 20140505
Mnemonic: MS64
Installation directory: <INSTALLROOT>/messaging64
Patches: 137204-31
Dependencies:
PATCHUTILS (120900-04 121133-02 119254-88)
LIBCPLUSPLUS (119963-27)
BZIP (126868-04 137321-01)
NSS (125358-15)
Package Name/Version:
SUNWmessaging-server-64 7.0,REV=2008.06.20

Product: Comms DSsetup
Product Group: Comms
Description: Comms Directory Server Setup
Oracle Version: 6.4.0.26.0
Version: 6.4
Marketing Version: 6.4
Full Version: 6.4-26.01
Build Date: 20140418
Mnemonic: DSSETUP
Installation directory: <INSTALLROOT>/dssetup
Patches: 118242-03 118245-26
Dependencies:
PATCHUTILS (120900-04 121133-02 119254-88)
LDAPCSKD6_TOOLS (136798-03)
Package Name/Version:
SUNWcomds 6.3,REV=2004.08.12

Product: Calendar Server
Product Group: Comms
Description: Calendar Server
Oracle Version: 7.0.4.15.0
Version: 7.4
Marketing Version: 7u4
Full Version: 7.4-15.10
Build Date: 20140425
Mnemonic: DAV
Installation directory: <INSTALLROOT>/davserver
Patches: 142785-15
Dependencies:
PATCHUTILS (120900-04 121133-02 119254-88)
JDK (125136-66 125137-66)
Package Name/Version:
SUNWdavserver 7.0,REV=2009.08.27

Product: Instant Messaging
Product Group: Comms
Description: Instant Messaging
Oracle Version: 9.0.2.6.0
Version: 9.2
Marketing Version: 9u2
Full Version: 9.2-06.7
Build Date: 20140625
Mnemonic: IM
Installation directory: <INSTALLROOT>/im

Patches: 148579-06
Dependencies:
MQ
PATCHUTILS (120900-04 121133-02 119254-88)
IMAPI (148582-06)
MQ_L10N
JDK (125136-66 125137-66)
NSS (125358-15)
Package Name/Version:
SUNWiimin 9.0,REV=2011.09.05
SUNWiim 9.0,REV=2011.09.05
SUNWiimm 9.0,REV=2011.09.05
SUNWiimjd 9.0,REV=2011.09.05
SUNWiimid 9.0,REV=2011.09.05
SUNWiimgw 9.0,REV=2011.09.05
SUNWiimw 9.0,REV=2011.09.05
SUNWiimfed 9.0,REV=2011.09.05

Product: Convergence
Product Group: Comms
Description: Integrated Web Client
Oracle Version: 3.0.0.1.0
Version: 3.0
Marketing Version: 3
Full Version: 3.0-1.0022
Build Date: 20140630
Mnemonic: IWC
Installation directory: <INSTALLROOT>/iwc
Patches:
Dependencies:
PATCHUTILS (120900-04 121133-02 119254-88)
JDK (125136-66 125137-66)
Package Name/Version:
SUNWiwc 3.0,REV=2014.06.30

Product: Indexing and Search Service
Product Group: Comms
Description: Indexing Search Services
Oracle Version: 1.0.5.22.0
Version: 1.5
Marketing Version: 1u5
Full Version: 1.5-22.11300
Build Date: 20140528
Mnemonic: JISS
Installation directory: <INSTALLROOT>/jiss
Patches: 142824-22
Dependencies:
MQ
PATCHUTILS (120900-04 121133-02 119254-88)
MQ_L10N
JDK (125136-66 125137-66)
Package Name/Version:
SUNWjiss 1.0,REV=2009.09.09

Product: Comms Delegated Administrator
Product Group: Comms

Description: Comms Delegated Administrator
Oracle Version: 7.0.0.9.0
Version: 7.0
Marketing Version: 7
Full Version: 7.0-9.00
Build Date: 20140106
Mnemonic: DA
Installation directory: <INSTALLROOT>/da
Patches: 124581-09
Dependencies:
PATCHUTILS (120900-04 121133-02 119254-88)
JDK (125136-66 125137-66)
LDAPCSDK6_TOOLS (136798-03)
NSS (125358-15)
Package Name/Version:
SUNWcommda 7.0,REV=2009.03.31

Product: Messaging Server Sun Cluster HA agent
Product Group: Comms
Description: Messaging Server Sun Cluster HA Agent
Oracle Version: Not Found
Version: 7.0
Marketing Version: 7.0
Full Version: 7.0-0.03
Build Date: 20080519
Mnemonic: MS_SCHA
Installation directory: <INSTALLROOT>/msg_scha
Patches:
Dependencies:
PATCHUTILS (120900-04 121133-02 119254-88)
Package Name/Version:
SUNWmessaging-server-scha 7.0,REV=2008.05.19

Product: Instant Messaging Sun Cluster HA agent
Product Group: Comms
Description: Instant Messaging Sun Cluster HA Agent
Oracle Version: Not Found
Version: 7.3
Marketing Version: 7.3
Full Version: 7.3-01.02
Build Date: 20080403
Mnemonic: IM_SCHA
Installation directory: <INSTALLROOT>/im_scha
Patches: 137571-01
Dependencies:
PATCHUTILS (120900-04 121133-02 119254-88)
Package Name/Version:
SUNWiimsc 7.3,REV=2008.01.07.20.24.34

Product: NSPR/NSS/JSS
Product Group: Shared Component
Description: Network Security Services, Netscape Portable Runtime
Oracle Version: Not Found
Version: 4.8.9
Marketing Version: 4.8.9
Mnemonic: NSS

Installation directory: <package default>
 Patches: 125358-15
 Dependencies:
 PATCHUTILS (120900-04 121133-02 119254-88)
 Package Name/Version:
 SUNWpr 4.6.4,REV=2006.11.16.20.40
 SUNWprd 4.6.4,REV=2006.11.16.20.40
 SUNWtls 3.11.4,REV=2006.11.16.20.40
 SUNWtlsd 3.11.4,REV=2006.11.16.20.40
 SUNWtlsu 3.11.4,REV=2006.11.16.20.40
 SUNWjss 4.2.4,REV=2006.11.16.20.40

Product: Simple Authentication and Security Layer
 Product Group: Shared Component
 Description:
 Oracle Version: Not Found
 Version: 2.19
 Marketing Version: 2.19
 Mnemonic: SASL
 Installation directory: <package default>
 Patches: 119345-08
 Dependencies:
 PATCHUTILS (120900-04 121133-02 119254-88)
 Package Name/Version:
 SUNWsasl 2.17,REV=2004.04.06.15.24

Product: LDAPCSDK6
 Product Group: Shared Component
 Description: ldap c sdk 6
 Oracle Version: Not Found
 Version: 6.0
 Marketing Version: 6.0
 Mnemonic: LDAPCSDK6
 Installation directory: <package default>
 Patches:
 Dependencies:
 SASL (119345-08)
 ICU (119810-07)
 NSS (125358-15)
 Package Name/Version:
 SUNWldapcsdk-libs 6.00,REV=2006.12.11.00.08
 SUNWldapcsdk-dev 6.00,REV=2006.12.11.00.08

Product: LDAPCSDK6 Tools
 Product Group: Shared Component
 Description: ldap c sdk 6 Tools
 Oracle Version: Not Found
 Version: 6.0
 Marketing Version: 6.0
 Mnemonic: LDAPCSDK6_TOOLS
 Installation directory: <INSTALLROOT>/directory
 Patches: 136798-03
 Dependencies:
 PATCHUTILS (120900-04 121133-02 119254-88)
 LDAPCSDK6
 Package Name/Version:

SUNWldapcsdk-tools 6.00,REV=2006.12.11.00.08

Product: International Components for Unicode
Product Group: Shared Component
Description:
Oracle Version: Not Found
Version: ICU2,ICU3
Marketing Version: ICU2,ICU3
Mnemonic: ICU
Installation directory: <package default>
Patches: 119810-07
Dependencies:
PATCHUTILS (120900-04 121133-02 119254-88)
Package Name/Version:
SUNWicu 1.2,REV=2005.01.06.14.13

Product: Java Help Runtime
Product Group: Shared Component
Description: Java Help Runtime
Oracle Version: Not Found
Version: 2.0
Marketing Version: 2.0
Mnemonic: JHRT
Installation directory: <package default>
Patches:
Dependencies:
PATCHUTILS (120900-04 121133-02 119254-88)
BZIP (126868-04 137321-01)
JDK (125136-66 125137-66)
Package Name/Version:
SUNWjhrt 2.0,REV=2006.10.31
SUNWjhdev 2.0,REV=2006.10.04
SUNWjhdem 2.0,REV=2006.10.04
SUNWjhdoc 2.0,REV=2006.10.04

Product: Message Queue
Product Group: Shared Component
Description: Message Queue
Oracle Version: Not Found
Version: 4.4
Marketing Version: 4.4
Mnemonic: MQ
Installation directory: <package default>
Patches:
Dependencies:
PATCHUTILS (120900-04 121133-02 119254-88)
JHRT
JDK (125136-66 125137-66)
NSS (125358-15)
Package Name/Version:
SUNWiqr 4.4,REV=2009.08.27.08.32
SUNWiqu 4.4,REV=2009.08.27.08.32
SUNWiqdoc 4.4,REV=2009.08.27.08.32
SUNWiquc 4.4,REV=2009.08.27.08.33
SUNWiqum 4.4,REV=2009.08.27.08.33
SUNWiqjx 4.4,REV=2009.08.27.08.33

SUNWiqfs 4.4,REV=2009.08.27.08.33
SUNWiqcrt 4.4,REV=2009.08.27.08.33
SUNWiqcdv 4.4,REV=2009.08.27.08.33
SUNWiqlen 4.4,REV=2009.08.27.08.33

Product: Message Queue Localization
Product Group: Shared Component
Description: Message Queue Localization
Oracle Version: Not Found
Version: 4.4
Marketing Version: 4.4
Mnemonic: MQ_L10N
Installation directory: <package default>
Patches:
Dependencies:
MQ
PATCHUTILS (120900-04 121133-02 119254-88)
Package Name/Version:
SUNWfiqu 4.4,REV=2009.10.01.09.42.14
SUNWfiquc 4.4,REV=2009.10.01.09.42.16
SUNWdiqu 4.4,REV=2009.10.01.09.42.59
SUNWdiquc 4.4,REV=2009.10.01.09.43.03
SUNWjiqu 4.4,REV=2009.10.01.09.45.16
SUNWjiquc 4.4,REV=2009.10.01.09.45.18
SUNWeiqu 4.4,REV=2009.10.01.09.43.44
SUNWeiquc 4.4,REV=2009.10.01.09.43.47
SUNWkiqu 4.4,REV=2009.10.01.09.44.30
SUNWkiquc 4.4,REV=2009.10.01.09.44.32
SUNWciqu 4.4,REV=2009.10.01.09.46.01
SUNWciquc 4.4,REV=2009.10.01.09.46.03
SUNWhiqu 4.4,REV=2009.10.01.09.46.48
SUNWhiquc 4.4,REV=2009.10.01.09.46.50

Product: Instant Messaging API
Product Group: Shared Component
Description: Instant Messaging API
Oracle Version: Not Found
Version: 9.2
Marketing Version: 9u2
Mnemonic: IMAPI
Installation directory: <package default>
Patches: 148582-06
Dependencies:
PATCHUTILS (120900-04 121133-02 119254-88)
Package Name/Version:
SUNWiimdv 9.0,REV=2011.09.05

Product: MySQL Marker
Product Group: OS Auxiliary
Description: MySQL Marker
Oracle Version: Not Found
Version: 1.1
Marketing Version: 1.1
Mnemonic: MYSQL_MARKER
Installation directory: <package default>
Patches:

Dependencies:
Package Name/Version:
SUNWcomms-mysql-marker 1.1,REV=2011.09.09

Product: LIBCPLUSPLUS
Product Group: OS - Patches only
Description: libc (C++) patch for Solaris
Oracle Version: Not Found
Version: 5.9
Marketing Version: 5.9
Mnemonic: LIBCPLUSPLUS
Installation directory: <package default>
Patches: 119963-27
Dependencies:
PATCHUTILS (120900-04 121133-02 119254-88)
Package Name/Version:
SUNWlibc 5.10,REV=2004.12.22

Product: PATCHUTILS
Product Group: OS - Patches only
Description: Solaris patch for install/patching utilities
Oracle Version: Not Found
Version: Unknown
Marketing Version: Unknown
Mnemonic: PATCHUTILS
Installation directory: <package default>
Patches: 120900-04 121133-02 119254-88
Dependencies:
Package Name/Version:
SUNWpkgcmdsu 11.11,REV=2005.01.09.23.05
SUNWswmt 11.10,REV=2005.01.10.17.19
SUNWinstall-patch-utils-root 11.10,REV=2005.01.09.23.05
SUNWcsr 11.10.0,REV=2005.01.21.15.53
SUNWdtrc 11.10.0,REV=2005.01.21.15.53
SUNWzoneu 11.10.0,REV=2005.01.21.15.53

Product: BZIP OS Component
Product Group: OS - Patches only
Description: Solaris patch for bzip
Oracle Version: Not Found
Version: 11.10
Marketing Version: 11.10
Mnemonic: BZIP
Installation directory: <package default>
Patches: 126868-04 137321-01
Dependencies:
PATCHUTILS (120900-04 121133-02 119254-88)
Package Name/Version:
SUNWbzip 11.10.0,REV=2005.01.08.05.16

Product: RECOMMENDED PATCH CLUSTER
Product Group: OS - Patches only
Description: Representative sample of patches from the Recommended Patch Cluster
Oracle Version: Not Found
Version: 2013.02.19

Marketing Version: 2013.02.19
Mnemonic: RECOMMENDED
Installation directory: <package default>
Patches: 119254-88 120272-28 147147-26
Dependencies:
Package Name/Version:
SUNWckr 11.10.0,REV=2005.01.21.15.53
SUNWbzip 11.10.0,REV=2005.01.08.05.16
SUNWpkgcmdsu 11.11,REV=2005.01.09.23.05

Product: CommsInstaller
Product Group: CI Products
Description: The CommsInstaller installed as a package
Oracle Version: 7.0.6.0.0
Version: 7.6
Marketing Version: 7u6
Full Version: 7.6-0.10
Build Date: 20140701
Mnemonic: CI
Installation directory: <INSTALLROOT>/CommsInstaller
Patches:
Dependencies:
PATCHUTILS (120900-04 121133-02 119254-88)
Package Name/Version:

SUNWcomms 7.6, REV=2014.07.01

[512 Fri Aug 08 15:18:35 root@host% /home/user/wspace/releases/ci76#]

listPackages for Solaris OS 10 x86 in Communications Suite 7.0.6

listPackages for Solaris OS 10 x86 in Communications Suite 7.0.6

This sample session shows the output of `commpkg info --listPackages` in Communications Suite 7.0.6.0.0 on Solaris OS 10 x86.

Topics:

- [Summary of commands run:](#)
- [Session](#)

Summary of commands run:

```
628 ./commpkg -V
629 uname -a
630 cat /etc/release
631 isainfo -b
632 ./commpkg info --listPackages
```

Session

```
[628 Fri Aug 08 15:23:52 root@host% /home/user/wspace/releases/ci76# ]
# ./commpkg -V
CommsInstaller version 7.0.6.0.0 (7.6-0.10) built on Tue Jul 1 21:57:57
PDT 2014
[629 Fri Aug 08 15:23:59 root@host% /home/user/wspace/releases/ci76# ]
# uname -a
SunOS host 5.10 Generic_142910-17 i86pc i386 i86pc
[630 Fri Aug 08 15:24:01 root@host% /home/user/wspace/releases/ci76# ]
# cat /etc/release
Oracle Solaris 10 9/10 s10x_u9wos_14a X86
Copyright (c) 2010, Oracle and/or its affiliates. All rights reserved.
Assembled 11 August 2010
[631 Fri Aug 08 15:24:04 root@host% /home/user/wspace/releases/ci76# ]
# isainfo -b
64
[632 Fri Aug 08 15:24:06 root@host% /home/user/wspace/releases/ci76# ]
# ./commpkg info --listPackages
-- LOGFILE: /tmp/CommsInstaller_20140808152410.log
CommsInstaller version 7.0.6.0.0 (7.6-0.10) built on Tue Jul 1 21:57:57
PDT 2014
Package list per product

Product: Messaging Server (64bit)
Product Group: Comms
Description: Messaging Server 64bit Edition
Oracle Version: 7.0.5.31.0
Version: 7.5
Marketing Version: 7u5
Full Version: 7.5-31.0
Build Date: 20140505
```

Mnemonic: MS64
Installation directory: <INSTALLROOT>/messaging64
Patches: 137205-31
Dependencies:
PATCHUTILS (120901-03 121334-04 119255-88)
LIBCPLUSPLUS (119964-27)
SNMP (120273-06)
BZIP (126869-05 137322-01)
NSS (125359-15)
Package Name/Version:
SUNWmessaging-server-64 7.0,REV=2008.06.20

Product: Comms DSsetup
Product Group: Comms
Description: Comms Directory Server Setup
Oracle Version: 6.4.0.26.0
Version: 6.4
Marketing Version: 6.4
Full Version: 6.4-26.01
Build Date: 20140418
Mnemonic: DSSETUP
Installation directory: <INSTALLROOT>/dssetup
Patches: 118243-03 118246-26
Dependencies:
PATCHUTILS (120901-03 121334-04 119255-88)
LDAPCSDK6_TOOLS (136800-03)
Package Name/Version:
SUNWcomds 6.3,REV=2004.08.12

Product: Calendar Server
Product Group: Comms
Description: Calendar Server
Oracle Version: 7.0.4.15.0
Version: 7.4
Marketing Version: 7u4
Full Version: 7.4-15.10
Build Date: 20140425
Mnemonic: DAV
Installation directory: <INSTALLROOT>/davserver
Patches: 142786-15
Dependencies:
PATCHUTILS (120901-03 121334-04 119255-88)
JDK (125138-66 125139-66)
Package Name/Version:
SUNWdavserver 7.0,REV=2009.08.27

Product: Instant Messaging
Product Group: Comms
Description: Instant Messaging
Oracle Version: 9.0.2.6.0
Version: 9.2
Marketing Version: 9u2
Full Version: 9.2-06.7
Build Date: 20140625
Mnemonic: IM
Installation directory: <INSTALLROOT>/im

Patches: 148580-06
Dependencies:
MQ
PATCHUTILS (120901-03 121334-04 119255-88)
IMAPI (148583-06)
MQ_L10N
JDK (125138-66 125139-66)
NSS (125359-15)
Package Name/Version:
SUNWiimin 9.0,REV=2011.09.05
SUNWiim 9.0,REV=2011.09.05
SUNWiimm 9.0,REV=2011.09.05
SUNWiimjd 9.0,REV=2011.09.05
SUNWiimid 9.0,REV=2011.09.05
SUNWiimgw 9.0,REV=2011.09.05
SUNWiimw 9.0,REV=2011.09.05
SUNWiimfed 9.0,REV=2011.09.05

Product: Convergence
Product Group: Comms
Description: Integrated Web Client
Oracle Version: 3.0.0.1.0
Version: 3.0
Marketing Version: 3
Full Version: 3.0-1.0022
Build Date: 20140630
Mnemonic: IWC
Installation directory: <INSTALLROOT>/iwc
Patches:
Dependencies:
PATCHUTILS (120901-03 121334-04 119255-88)
JDK (125138-66 125139-66)
Package Name/Version:
SUNWiwc 3.0,REV=2014.06.30

Product: Indexing and Search Service
Product Group: Comms
Description: Indexing Search Services
Oracle Version: 1.0.5.22.0
Version: 1.5
Marketing Version: 1u5
Full Version: 1.5-22.11300
Build Date: 20140528
Mnemonic: JISS
Installation directory: <INSTALLROOT>/jiss
Patches: 142823-22
Dependencies:
MQ
PATCHUTILS (120901-03 121334-04 119255-88)
MQ_L10N
JDK (125138-66 125139-66)
Package Name/Version:
SUNWjiss 1.0,REV=2009.09.09

Product: Comms Delegated Administrator
Product Group: Comms

Description: Comms Delegated Administrator
Oracle Version: 7.0.0.9.0
Version: 7.0
Marketing Version: 7
Full Version: 7.0-9.00
Build Date: 20140106
Mnemonic: DA
Installation directory: <INSTALLROOT>/da
Patches: 124582-09
Dependencies:
PATCHUTILS (120901-03 121334-04 119255-88)
JDK (125138-66 125139-66)
LDAPCSDK6_TOOLS (136800-03)
NSS (125359-15)
Package Name/Version:
SUNWcommda 7.0,REV=2009.03.31

Product: Messaging Server Sun Cluster HA agent
Product Group: Comms
Description: Messaging Server Sun Cluster HA Agent
Oracle Version: Not Found
Version: 7.0
Marketing Version: 7.0
Full Version: 7.0-0.03
Build Date: 20080519
Mnemonic: MS_SCHA
Installation directory: <INSTALLROOT>/msg_scha
Patches:
Dependencies:
PATCHUTILS (120901-03 121334-04 119255-88)
Package Name/Version:
SUNWmessaging-server-scha 7.0,REV=2008.05.19

Product: Instant Messaging Sun Cluster HA agent
Product Group: Comms
Description: Instant Messaging Sun Cluster HA Agent
Oracle Version: Not Found
Version: 7.3
Marketing Version: 7.3
Full Version: 7.3-01.02
Build Date: 20080403
Mnemonic: IM_SCHA
Installation directory: <INSTALLROOT>/im_scha
Patches: 137572-01
Dependencies:
PATCHUTILS (120901-03 121334-04 119255-88)
Package Name/Version:
SUNWiimsc 7.3,REV=2008.01.07.20.24.17

Product: NSPR/NSS/JSS
Product Group: Shared Component
Description: Network Security Services, Netscape Portable Runtime
Oracle Version: Not Found
Version: 4.8.9
Marketing Version: 4.8.9
Mnemonic: NSS

Installation directory: <package default>
 Patches: 125359-15
 Dependencies:
 PATCHUTILS (120901-03 121334-04 119255-88)
 Package Name/Version:
 SUNWpr 4.6.4,REV=2006.11.16.21.41
 SUNWprd 4.6.4,REV=2006.11.16.21.41
 SUNWtls 3.11.4,REV=2006.11.16.21.41
 SUNWtlsd 3.11.4,REV=2006.11.16.21.41
 SUNWtlsu 3.11.4,REV=2006.11.16.21.41
 SUNWjss 4.2.4,REV=2006.11.16.21.41

Product: Simple Authentication and Security Layer
 Product Group: Shared Component
 Description:
 Oracle Version: Not Found
 Version: 2.19
 Marketing Version: 2.19
 Mnemonic: SASL
 Installation directory: <package default>
 Patches: 119346-08
 Dependencies:
 PATCHUTILS (120901-03 121334-04 119255-88)
 Package Name/Version:
 SUNWsasl 2.17,REV=2003.07.18.13.13

Product: LDAPCSDK6
 Product Group: Shared Component
 Description: ldap c sdk 6
 Oracle Version: Not Found
 Version: 6.0
 Marketing Version: 6.0
 Mnemonic: LDAPCSDK6
 Installation directory: <package default>
 Patches:
 Dependencies:
 SASL (119346-08)
 ICU (119811-07)
 NSS (125359-15)
 Package Name/Version:
 SUNWldapcsdk-libs 6.00,REV=2006.12.11.00.35
 SUNWldapcsdk-dev 6.00,REV=2006.12.11.00.35

Product: LDAPCSDK6 Tools
 Product Group: Shared Component
 Description: ldap c sdk 6 Tools
 Oracle Version: Not Found
 Version: 6.0
 Marketing Version: 6.0
 Mnemonic: LDAPCSDK6_TOOLS
 Installation directory: <INSTALLROOT>/directory
 Patches: 136800-03
 Dependencies:
 PATCHUTILS (120901-03 121334-04 119255-88)
 LDAPCSDK6
 Package Name/Version:

SUNWldapcsdk-tools 6.00,REV=2006.12.11.00.35

Product: International Components for Unicode
Product Group: Shared Component
Description:
Oracle Version: Not Found
Version: ICU2,ICU3
Marketing Version: ICU2,ICU3
Mnemonic: ICU
Installation directory: <package default>
Patches: 119811-07
Dependencies:
PATCHUTILS (120901-03 121334-04 119255-88)
Package Name/Version:
SUNWicu 1.2,REV=2005.01.06.14.13

Product: Java Help Runtime
Product Group: Shared Component
Description: Java Help Runtime
Oracle Version: Not Found
Version: 2.0
Marketing Version: 2.0
Mnemonic: JHRT
Installation directory: <package default>
Patches:
Dependencies:
PATCHUTILS (120901-03 121334-04 119255-88)
BZIP (126869-05 137322-01)
JDK (125138-66 125139-66)
Package Name/Version:
SUNWjhrt 2.0,REV=2006.10.31
SUNWjhdev 2.0,REV=2006.10.04
SUNWjhdem 2.0,REV=2006.10.04
SUNWjhdoc 2.0,REV=2006.10.04

Product: Message Queue
Product Group: Shared Component
Description: Message Queue
Oracle Version: Not Found
Version: 4.4
Marketing Version: 4.4
Mnemonic: MQ
Installation directory: <package default>
Patches:
Dependencies:
PATCHUTILS (120901-03 121334-04 119255-88)
JHRT
JDK (125138-66 125139-66)
NSS (125359-15)
Package Name/Version:
SUNWiqr 4.4,REV=2009.08.27.09.45
SUNWiqu 4.4,REV=2009.08.27.09.45
SUNWiqdoc 4.4,REV=2009.08.27.09.46
SUNWiquc 4.4,REV=2009.08.27.09.46
SUNWiqum 4.4,REV=2009.08.27.09.46
SUNWiqjx 4.4,REV=2009.08.27.09.46

SUNWiqfs 4.4,REV=2009.08.27.09.46
SUNWiqcrt 4.4,REV=2009.08.27.09.46
SUNWiqcdv 4.4,REV=2009.08.27.09.46
SUNWiqlen 4.4,REV=2009.08.27.09.46

Product: Message Queue Localization
Product Group: Shared Component
Description: Message Queue Localization
Oracle Version: Not Found
Version: 4.4
Marketing Version: 4.4
Mnemonic: MQ_L10N
Installation directory: <package default>
Patches:
Dependencies:
MQ
PATCHUTILS (120901-03 121334-04 119255-88)
Package Name/Version:
SUNWfiqu 4.4,REV=2009.10.01.09.34.22
SUNWfiquc 4.4,REV=2009.10.01.09.34.22
SUNWdiqu 4.4,REV=2009.10.01.09.34.32
SUNWdiquc 4.4,REV=2009.10.01.09.34.32
SUNWjiqu 4.4,REV=2009.10.01.09.34.58
SUNWjiquc 4.4,REV=2009.10.01.09.34.58
SUNWeiqu 4.4,REV=2009.10.01.09.34.40
SUNWeiquc 4.4,REV=2009.10.01.09.34.40
SUNWkiqu 4.4,REV=2009.10.01.09.34.50
SUNWkiquc 4.4,REV=2009.10.01.09.34.50
SUNWciqu 4.4,REV=2009.10.01.09.35.07
SUNWciquc 4.4,REV=2009.10.01.09.35.07
SUNWhiqu 4.4,REV=2009.10.01.09.35.15
SUNWhiquc 4.4,REV=2009.10.01.09.35.15

Product: Instant Messaging API
Product Group: Shared Component
Description: Instant Messaging API
Oracle Version: Not Found
Version: 9.2
Marketing Version: 9u2
Mnemonic: IMAPI
Installation directory: <package default>
Patches: 148583-06
Dependencies:
PATCHUTILS (120901-03 121334-04 119255-88)
Package Name/Version:
SUNWiimdv 9.0,REV=2011.09.05

Product: MySQL Marker
Product Group: OS Auxiliary
Description: MySQL Marker
Oracle Version: Not Found
Version: 1.1
Marketing Version: 1.1
Mnemonic: MYSQL_MARKER
Installation directory: <package default>
Patches:

Dependencies:
Package Name/Version:
SUNWcomms-mysql-marker 1.1,REV=2011.09.09

Product: LIBCPLUSPLUS
Product Group: OS - Patches only
Description: libc (C++) patch for Solaris
Oracle Version: Not Found
Version: 5.9
Marketing Version: 5.9
Mnemonic: LIBCPLUSPLUS
Installation directory: <package default>
Patches: 119964-27
Dependencies:
PATCHUTILS (120901-03 121334-04 119255-88)
Package Name/Version:
SUNWlibc 5.10,REV=2004.12.20

Product: PATCHUTILS
Product Group: OS - Patches only
Description: Solaris patch for install/patching utilities
Oracle Version: Not Found
Version: Unknown
Marketing Version: Unknown
Mnemonic: PATCHUTILS
Installation directory: <package default>
Patches: 120901-03 121334-04 119255-88
Dependencies:
Package Name/Version:
SUNWpkgcmdsu 11.11,REV=2005.01.09.21.19
SUNWswmt 11.10,REV=2005.01.10.15.35
SUNWinstall-patch-utils-root 11.10,REV=2005.01.09.21.19
SUNWcsr 11.10.0,REV=2005.01.21.16.34
SUNWdtrc 11.10.0,REV=2005.01.21.16.34
SUNWzoneu 11.10.0,REV=2005.01.21.16.34

Product: SNMP OS Patch
Product Group: OS - Patches only
Description: SNMP patch for Solaris
Oracle Version: Not Found
Version: Unknown
Marketing Version: Unknown
Mnemonic: SNMP
Installation directory: <package default>
Patches: 120273-06
Dependencies:
PATCHUTILS (120901-03 121334-04 119255-88)
Package Name/Version:
SUNWsmagt 1.0,REV=2005.01.08.01.09
SUNWsmcmd 1.0,REV=2005.01.08.01.09
SUNWsmmgr 1.0,REV=2005.01.08.01.09

Product: BZIP OS Component
Product Group: OS - Patches only
Description: Solaris patch for bzip
Oracle Version: Not Found

Version: 11.10
Marketing Version: 11.10
Mnemonic: BZIP
Installation directory: <package default>
Patches: 126869-05 137322-01
Dependencies:
PATCHUTILS (120901-03 121334-04 119255-88)
Package Name/Version:
SUNWbzip 11.10.0,REV=2005.01.08.01.09

Product: RECOMMENDED PATCH CLUSTER
Product Group: OS - Patches only
Description: Representative sample of patches from the Recommended Patch Cluster
Oracle Version: Not Found
Version: 2013.02.19
Marketing Version: 2013.02.19
Mnemonic: RECOMMENDED
Installation directory: <package default>
Patches: 119255-88 120273-30 147148-26
Dependencies:
Package Name/Version:
SUNWckr 11.10.0,REV=2005.01.21.16.34
SUNWbzip 11.10.0,REV=2005.01.08.01.09
SUNWpkgcmdsu 11.11,REV=2005.01.09.21.19

Product: CommsInstaller
Product Group: CI Products
Description: The CommsInstaller installed as a package
Oracle Version: 7.0.6.0.0
Version: 7.6
Marketing Version: 7u6
Full Version: 7.6-0.10
Build Date: 20140701
Mnemonic: CI
Installation directory: <INSTALLROOT>/CommsInstaller
Patches:
Dependencies:
PATCHUTILS (120901-03 121334-04 119255-88)
Package Name/Version:

SUNWcomms 7.6, REV=2014.07.01

[633 Fri Aug 08 15:24:15 root@host% /home/user/wspace/releases/ci76#]

listPackages for Solaris OS 11 SPARC in Communications Suite 7.0.6

listPackages for Solaris OS 11 SPARC in Communications Suite 7.0.6

This sample session shows the output of `commpkg info --listPackages` in Communications Suite 7.0.6.0.0 on Solaris OS 11 SPARC.

Topics:

- [Summary of Commands Run:](#)
- [Session](#)

Summary of Commands Run:

```
509 ./commpkg -V
510 uname -a
511 cat /etc/release
512 isainfo -b
513 pkg info entire
514 ./commpkg info --listPackages
```

Session

```
[509 Fri Aug 08 17:23:55 user@host% ~/wspace/releases/ci76$ ]
$ ./commpkg -V
CommsInstaller version 7.0.6.0.0 (7.6-0.10) built on Tue Jul 1 21:57:57
PDT 2014
[510 Fri Aug 08 17:23:59 user@host% ~/wspace/releases/ci76$ ]
$ uname -a
SunOS host 5.11 11.0 sun4v sparc sun4v
[511 Fri Aug 08 17:24:01 user@host% ~/wspace/releases/ci76$ ]
$ cat /etc/release
Oracle Solaris 11 11/11 SPARC
Copyright (c) 1983, 2011, Oracle and/or its affiliates. All rights
reserved.
Assembled 18 October 2011
[512 Fri Aug 08 17:24:05 user@host% ~/wspace/releases/ci76$ ]
$ isainfo -b
64
[513 Fri Aug 08 17:24:07 user@host% ~/wspace/releases/ci76$ ]
$ pkg info entire
Name: entire
Summary: entire incorporation including Support Repository Update
(Oracle Solaris 11 11/11 SRU 7.5).
Description: This package constrains system package versions to the same
build. WARNING: Proper system update and correct package
selection depend on the presence of this incorporation.
Removing this package will result in an unsupported system. For
more information see https://support.oracle.com/CSP/main/article?cmd=show&type=NOT&doctype=REFERENCE&id=1372094.1.
Category: Meta Packages/Incorporations
State: Installed
```

```

Publisher: solaris
Version: 0.5.11 (Oracle Solaris 11 SRU 7.5)
Build Release: 5.11
Branch: 0.175.0.7.0.5.0
Packaging Date: Mon May 07 14:57:36 2012
Size: 5.45 kB
FMRI: pkg://solaris/entire@0.5.11,5.11-0.175.0.7.0.5.0:20120507T145736Z
[514 Fri Aug 08 17:24:11 user@host% ~/wspace/releases/ci76$ ]
$ ./commpkg info --listPackages
-- LOGFILE: /tmp/CommsInstaller_20140808172418.log
CommsInstaller version 7.0.6.0.0 (7.6-0.10) built on Tue Jul 1 21:57:57
PDT 2014
Package list per product

Product: Messaging Server (64bit)
Product Group: Comms
Description: Messaging Server 64bit Edition
Oracle Version: 7.0.5.31.0
Version: 7.5
Marketing Version: 7u5
Full Version: 7.5-31.0
Build Date: 20140505
Mnemonic: MS64
Installation directory: <INSTALLROOT>/messaging64
Patches:
Dependencies:
Package Name/Version:
SUNWmessaging-server-64 7.0,REV=2008.06.20

Product: Comms DSsetup
Product Group: Comms
Description: Comms Directory Server Setup
Oracle Version: 6.4.0.26.0
Version: 6.4
Marketing Version: 6.4
Full Version: 6.4-26.01
Build Date: 20140418
Mnemonic: DSSETUP
Installation directory: <INSTALLROOT>/dssetup
Patches:
Dependencies:
LDAPCSK6_TOOLS (136798-03)
Package Name/Version:
SUNWcomds 6.3,REV=2004.08.12

Product: Calendar Server
Product Group: Comms
Description: Calendar Server
Oracle Version: 7.0.4.15.0
Version: 7.4
Marketing Version: 7u4
Full Version: 7.4-15.10
Build Date: 20140425
Mnemonic: DAV
Installation directory: <INSTALLROOT>/davserver
Patches:

```


Dependencies:
 Package Name/Version:
 SUNWdavserver 7.0,REV=2009.08.27

Product: Instant Messaging
 Product Group: Comms
 Description: Instant Messaging
 Oracle Version: 9.0.2.6.0
 Version: 9.2
 Marketing Version: 9u2
 Full Version: 9.2-06.7
 Build Date: 20140625
 Mnemonic: IM
 Installation directory: <INSTALLROOT>/im
 Patches:
 Dependencies:
 MQ
 IMAPI (148582-06)
 MQ_L10N
 Package Name/Version:
 SUNWiimin 9.0,REV=2011.09.05
 SUNWiim 9.0,REV=2011.09.05
 SUNWiimm 9.0,REV=2011.09.05
 SUNWiimjd 9.0,REV=2011.09.05
 SUNWiimid 9.0,REV=2011.09.05
 SUNWiimgw 9.0,REV=2011.09.05
 SUNWiimw 9.0,REV=2011.09.05
 SUNWiimfed 9.0,REV=2011.09.05

Product: Convergence
 Product Group: Comms
 Description: Integrated Web Client
 Oracle Version: 3.0.0.1.0
 Version: 3.0
 Marketing Version: 3
 Full Version: 3.0-1.0022
 Build Date: 20140630
 Mnemonic: IWC
 Installation directory: <INSTALLROOT>/iwc
 Patches:
 Dependencies:
 Package Name/Version:
 SUNWiwc 3.0,REV=2014.06.30

Product: Indexing and Search Service
 Product Group: Comms
 Description: Indexing Search Services
 Oracle Version: 1.0.5.22.0
 Version: 1.5
 Marketing Version: 1u5
 Full Version: 1.5-22.11300
 Build Date: 20140528
 Mnemonic: JISS
 Installation directory: <INSTALLROOT>/jiss
 Patches:
 Dependencies:

MQ
MQ_L10N
Package Name/Version:
SUNWjiss 1.0,REV=2009.09.09

Product: Contacts Server
Product Group: Comms
Description: Contacts Server
Oracle Version: 8.0.0.0.0
Version: 8.0
Marketing Version: 8
Full Version: 8.0-0.52
Build Date: 20140522
Mnemonic: NAB
Installation directory: <INSTALLROOT>/nabserver
Patches:
Dependencies:
Package Name/Version:
SUNWnabserver 8.0,REV=2014.05.22

Product: Messaging Server Sun Cluster HA agent
Product Group: Comms
Description: Messaging Server Sun Cluster HA Agent
Oracle Version: Not Found
Version: 7.0
Marketing Version: 7.0
Full Version: 7.0-0.03
Build Date: 20080519
Mnemonic: MS_SCHA
Installation directory: <INSTALLROOT>/msg_scha
Patches:
Dependencies:
Package Name/Version:
SUNWmessaging-server-scha 7.0,REV=2008.05.19

Product: Instant Messaging Sun Cluster HA agent
Product Group: Comms
Description: Instant Messaging Sun Cluster HA Agent
Oracle Version: Not Found
Version: 7.3
Marketing Version: 7.3
Full Version: 7.3-01.02
Build Date: 20080403
Mnemonic: IM_SCHA
Installation directory: <INSTALLROOT>/im_scha
Patches:
Dependencies:
Package Name/Version:
SUNWiimsc 7.3,REV=2008.01.07.20.24.34

Product: Simple Authentication and Security Layer
Product Group: Shared Component
Description:
Oracle Version: Not Found
Version: 2.19
Marketing Version: 2.19

Mnemonic: SASL
Installation directory: <package default>
Patches: 119345-08
Dependencies:
Package Name/Version:
SUNWwsasl 2.17,REV=2004.04.06.15.24

Product: LDAPCSDK6
Product Group: Shared Component
Description: ldap c sdk 6
Oracle Version: Not Found
Version: 6.0
Marketing Version: 6.0
Mnemonic: LDAPCSDK6
Installation directory: <package default>
Patches:
Dependencies:
SASL (119345-08)
ICU (119810-05)
Package Name/Version:
SUNWldapcsdk-libs 6.00,REV=2006.12.11.00.08
SUNWldapcsdk-dev 6.00,REV=2006.12.11.00.08

Product: LDAPCSDK6 Tools
Product Group: Shared Component
Description: ldap c sdk 6 Tools
Oracle Version: Not Found
Version: 6.0
Marketing Version: 6.0
Mnemonic: LDAPCSDK6_TOOLS
Installation directory: <INSTALLROOT>/directory
Patches: 136798-03
Dependencies:
LDAPCSDK6
Package Name/Version:
SUNWldapcsdk-tools 6.00,REV=2006.12.11.00.08

Product: International Components for Unicode
Product Group: Shared Component
Description:
Oracle Version: Not Found
Version: ICU2,ICU3
Marketing Version: ICU2,ICU3
Mnemonic: ICU
Installation directory: <package default>
Patches: 119810-05
Dependencies:
Package Name/Version:
SUNWicu 1.2,REV=2005.01.06.14.13

Product: Message Queue
Product Group: Shared Component
Description: Message Queue
Oracle Version: Not Found
Version: 4.4
Marketing Version: 4.4

Mnemonic: MQ
 Installation directory: <package default>
 Patches:
 Dependencies:
 Package Name/Version:
 SUNWiqr 4.4,REV=2009.08.27.08.32
 SUNWiqu 4.4,REV=2009.08.27.08.32
 SUNWiqdoc 4.4,REV=2009.08.27.08.32
 SUNWiquc 4.4,REV=2009.08.27.08.33
 SUNWiqum 4.4,REV=2009.08.27.08.33
 SUNWiqjx 4.4,REV=2009.08.27.08.33
 SUNWiqfs 4.4,REV=2009.08.27.08.33
 SUNWiqcrt 4.4,REV=2009.08.27.08.33
 SUNWiqcdv 4.4,REV=2009.08.27.08.33
 SUNWiqlen 4.4,REV=2009.08.27.08.33

Product: Message Queue Localization
 Product Group: Shared Component
 Description: Message Queue Localization
 Oracle Version: Not Found
 Version: 4.4
 Marketing Version: 4.4
 Mnemonic: MQ_L10N
 Installation directory: <package default>
 Patches:
 Dependencies:
 MQ
 Package Name/Version:
 SUNWfiqu 4.4,REV=2009.10.01.09.42.14
 SUNWfiquc 4.4,REV=2009.10.01.09.42.16
 SUNWdiqu 4.4,REV=2009.10.01.09.42.59
 SUNWdiquc 4.4,REV=2009.10.01.09.43.03
 SUNWjiqu 4.4,REV=2009.10.01.09.45.16
 SUNWjiquc 4.4,REV=2009.10.01.09.45.18
 SUNWeiqu 4.4,REV=2009.10.01.09.43.44
 SUNWeiquc 4.4,REV=2009.10.01.09.43.47
 SUNWkiqu 4.4,REV=2009.10.01.09.44.30
 SUNWkiquc 4.4,REV=2009.10.01.09.44.32
 SUNWciqu 4.4,REV=2009.10.01.09.46.01
 SUNWciquc 4.4,REV=2009.10.01.09.46.03
 SUNWhiqu 4.4,REV=2009.10.01.09.46.48
 SUNWhiquc 4.4,REV=2009.10.01.09.46.50

Product: Instant Messaging API
 Product Group: Shared Component
 Description: Instant Messaging API
 Oracle Version: Not Found
 Version: 9.2
 Marketing Version: 9u2
 Mnemonic: IMAPI
 Installation directory: <package default>
 Patches: 148582-06
 Dependencies:
 Package Name/Version:
 SUNWiimdvdv 9.0,REV=2011.09.05

Product: CommsInstaller
Product Group: CI Products
Description: The CommsInstaller installed as a package
Oracle Version: 7.0.6.0.0
Version: 7.6
Marketing Version: 7u6
Full Version: 7.6-0.10
Build Date: 20140701
Mnemonic: CI
Installation directory: <INSTALLROOT>/CommsInstaller
Patches:
Dependencies:
Package Name/Version:

SUNWcomms 7.6, REV=2014.07.01

[515 Fri Aug 08 17:24:24 user@host% ~/wspace/releases/ci76\$]

listPackages for Solaris OS 11 x86 in Communications Suite 7.0.6

listPackages for Solaris OS 11 x86 in Communications Suite 7.0.6

This sample session shows the output of `commpkg info --listPackages` in Communications Suite 7.0.6.0.0 on Solaris OS 11 x86.

Topics:

- [Summary of commands run:](#)
- [Session](#)

Summary of commands run:

```
510 ./commpkg -V
511 uname -a
512 cat /etc/release
513 isainfo -b
514 pkg info entire
515 ./commpkg info --listPackages
```

Session

```
[510 Sat Aug 09 00:25:45 user@host% ~/wspace/releases/ci76$ ]
$ ./commpkg -V
CommsInstaller version 7.0.6.0.0 (7.6-0.10) built on Tue Jul 1 21:57:57
PDT 2014
[511 Sat Aug 09 00:25:48 user@host% ~/wspace/releases/ci76$ ]
$ uname -a
SunOS host 5.11 11.1 i86pc i386 i86pc
[512 Sat Aug 09 00:25:49 user@host% ~/wspace/releases/ci76$ ]
$ cat /etc/release
Oracle Solaris 11.1 X86
Copyright (c) 1983, 2013, Oracle and/or its affiliates. All rights
reserved.
Assembled 06 November 2013
[513 Sat Aug 09 00:25:52 user@host% ~/wspace/releases/ci76$ ]
$ isainfo -b
64
[514 Sat Aug 09 00:25:54 user@host% ~/wspace/releases/ci76$ ]
$ pkg info entire
Name: entire
Summary: entire incorporation including Support Repository Update
(Oracle Solaris 11.1.14.5.0).
Description: This package constrains system package versions to the same
build. WARNING: Proper system update and correct package
selection depend on the presence of this incorporation.
Removing this package will result in an unsupported system. For
more information see https://support.oracle.com/CSP/main/article
?cmd=show&type=NOT&doctype=REFERENCE&id=1501435.1.
Category: Meta Packages/Incorporations
State: Installed
```

```

Publisher: solaris
Version: 0.5.11 (Oracle Solaris 11.1.14.5.0)
Build Release: 5.11
Branch: 0.175.1.14.0.5.0
Packaging Date: Tue Dec 03 21:31:37 2013
Size: 5.46 kB
FMRI: pkg://solaris/entire@0.5.11,5.11-0.175.1.14.0.5.0:20131203T213137Z
[515 Sat Aug 09 00:25:57 user@host% ~/wspace/releases/ci76$ ]
$ ./commpkg info --listPackages
-- LOGFILE: /tmp/CommsInstaller_20140809002602.log
CommsInstaller version 7.0.6.0.0 (7.6-0.10) built on Tue Jul 1 21:57:57
PDT 2014
Package list per product

Product: Messaging Server (64bit)
Product Group: Comms
Description: Messaging Server 64bit Edition
Oracle Version: 7.0.5.31.0
Version: 7.5
Marketing Version: 7u5
Full Version: 7.5-31.0
Build Date: 20140505
Mnemonic: MS64
Installation directory: <INSTALLROOT>/messaging64
Patches:
Dependencies:
Package Name/Version:
SUNWmessaging-server-64 7.0,REV=2008.06.20

Product: Comms DSsetup
Product Group: Comms
Description: Comms Directory Server Setup
Oracle Version: 6.4.0.26.0
Version: 6.4
Marketing Version: 6.4
Full Version: 6.4-26.01
Build Date: 20140418
Mnemonic: DSSETUP
Installation directory: <INSTALLROOT>/dssetup
Patches:
Dependencies:
LDAPCSK6_TOOLS (136800-03)
Package Name/Version:
SUNWcomds 6.3,REV=2004.08.12

Product: Calendar Server
Product Group: Comms
Description: Calendar Server
Oracle Version: 7.0.4.15.0
Version: 7.4
Marketing Version: 7u4
Full Version: 7.4-15.10
Build Date: 20140425
Mnemonic: DAV
Installation directory: <INSTALLROOT>/davserver
Patches:

```


Dependencies:
 Package Name/Version:
 SUNWdavserver 7.0,REV=2009.08.27

Product: Instant Messaging
 Product Group: Comms
 Description: Instant Messaging
 Oracle Version: 9.0.2.6.0
 Version: 9.2
 Marketing Version: 9u2
 Full Version: 9.2-06.7
 Build Date: 20140625
 Mnemonic: IM
 Installation directory: <INSTALLROOT>/im
 Patches:
 Dependencies:
 MQ
 IMAPI (148583-06)
 MQ_L10N
 Package Name/Version:
 SUNWiimin 9.0,REV=2011.09.05
 SUNWiim 9.0,REV=2011.09.05
 SUNWiimm 9.0,REV=2011.09.05
 SUNWiimjd 9.0,REV=2011.09.05
 SUNWiimid 9.0,REV=2011.09.05
 SUNWiimgw 9.0,REV=2011.09.05
 SUNWiimw 9.0,REV=2011.09.05
 SUNWiimfed 9.0,REV=2011.09.05

Product: Convergence
 Product Group: Comms
 Description: Integrated Web Client
 Oracle Version: 3.0.0.1.0
 Version: 3.0
 Marketing Version: 3
 Full Version: 3.0-1.0022
 Build Date: 20140630
 Mnemonic: IWC
 Installation directory: <INSTALLROOT>/iwc
 Patches:
 Dependencies:
 Package Name/Version:
 SUNWiwc 3.0,REV=2014.06.30

Product: Indexing and Search Service
 Product Group: Comms
 Description: Indexing Search Services
 Oracle Version: 1.0.5.22.0
 Version: 1.5
 Marketing Version: 1u5
 Full Version: 1.5-22.11300
 Build Date: 20140528
 Mnemonic: JISS
 Installation directory: <INSTALLROOT>/jiss
 Patches:
 Dependencies:

MQ
MQ_L10N
Package Name/Version:
SUNWjiss 1.0,REV=2009.09.09

Product: Contacts Server
Product Group: Comms
Description: Contacts Server
Oracle Version: 8.0.0.0.0
Version: 8.0
Marketing Version: 8
Full Version: 8.0-0.52
Build Date: 20140522
Mnemonic: NAB
Installation directory: <INSTALLROOT>/nabserver
Patches:
Dependencies:
Package Name/Version:
SUNWnabserver 8.0,REV=2014.05.22

Product: Messaging Server Sun Cluster HA agent
Product Group: Comms
Description: Messaging Server Sun Cluster HA Agent
Oracle Version: Not Found
Version: 7.0
Marketing Version: 7.0
Full Version: 7.0-0.03
Build Date: 20080519
Mnemonic: MS_SCHA
Installation directory: <INSTALLROOT>/msg_scha
Patches:
Dependencies:
Package Name/Version:
SUNWmessaging-server-scha 7.0,REV=2008.05.19

Product: Instant Messaging Sun Cluster HA agent
Product Group: Comms
Description: Instant Messaging Sun Cluster HA Agent
Oracle Version: Not Found
Version: 7.3
Marketing Version: 7.3
Full Version: 7.3-01.02
Build Date: 20080403
Mnemonic: IM_SCHA
Installation directory: <INSTALLROOT>/im_scha
Patches:
Dependencies:
Package Name/Version:
SUNWiimsc 7.3,REV=2008.01.07.20.24.17

Product: Simple Authentication and Security Layer
Product Group: Shared Component
Description:
Oracle Version: Not Found
Version: 2.19
Marketing Version: 2.19

Mnemonic: SASL
Installation directory: <package default>
Patches: 119346-08
Dependencies:
Package Name/Version:
SUNWwsasl 2.17,REV=2003.07.18.13.13

Product: LDAPCSDK6
Product Group: Shared Component
Description: ldap c sdk 6
Oracle Version: Not Found
Version: 6.0
Marketing Version: 6.0
Mnemonic: LDAPCSDK6
Installation directory: <package default>
Patches:
Dependencies:
SASL (119346-08)
ICU (119811-05)
Package Name/Version:
SUNWldapcsdk-libs 6.00,REV=2006.12.11.00.35
SUNWldapcsdk-dev 6.00,REV=2006.12.11.00.35

Product: LDAPCSDK6 Tools
Product Group: Shared Component
Description: ldap c sdk 6 Tools
Oracle Version: Not Found
Version: 6.0
Marketing Version: 6.0
Mnemonic: LDAPCSDK6_TOOLS
Installation directory: <INSTALLROOT>/directory
Patches: 136800-03
Dependencies:
LDAPCSDK6
Package Name/Version:
SUNWldapcsdk-tools 6.00,REV=2006.12.11.00.35

Product: International Components for Unicode
Product Group: Shared Component
Description:
Oracle Version: Not Found
Version: ICU2,ICU3
Marketing Version: ICU2,ICU3
Mnemonic: ICU
Installation directory: <package default>
Patches: 119811-05
Dependencies:
Package Name/Version:
SUNWicu 1.2,REV=2005.01.06.14.13

Product: Message Queue
Product Group: Shared Component
Description: Message Queue
Oracle Version: Not Found
Version: 4.4
Marketing Version: 4.4

Mnemonic: MQ
 Installation directory: <package default>
 Patches:
 Dependencies:
 Package Name/Version:
 SUNWiqr 4.4,REV=2009.08.27.09.45
 SUNWiqu 4.4,REV=2009.08.27.09.45
 SUNWiqdoc 4.4,REV=2009.08.27.09.46
 SUNWiquc 4.4,REV=2009.08.27.09.46
 SUNWiqum 4.4,REV=2009.08.27.09.46
 SUNWiqjx 4.4,REV=2009.08.27.09.46
 SUNWiqfs 4.4,REV=2009.08.27.09.46
 SUNWiqcrt 4.4,REV=2009.08.27.09.46
 SUNWiqcdv 4.4,REV=2009.08.27.09.46
 SUNWiqlen 4.4,REV=2009.08.27.09.46

Product: Message Queue Localization
 Product Group: Shared Component
 Description: Message Queue Localization
 Oracle Version: Not Found
 Version: 4.4
 Marketing Version: 4.4
 Mnemonic: MQ_L10N
 Installation directory: <package default>
 Patches:
 Dependencies:
 MQ
 Package Name/Version:
 SUNWfiqu 4.4,REV=2009.10.01.09.34.22
 SUNWfiquc 4.4,REV=2009.10.01.09.34.22
 SUNWdiqu 4.4,REV=2009.10.01.09.34.32
 SUNWdiquc 4.4,REV=2009.10.01.09.34.32
 SUNWjiqu 4.4,REV=2009.10.01.09.34.58
 SUNWjiquc 4.4,REV=2009.10.01.09.34.58
 SUNWeiqu 4.4,REV=2009.10.01.09.34.40
 SUNWeiquc 4.4,REV=2009.10.01.09.34.40
 SUNWkiqu 4.4,REV=2009.10.01.09.34.50
 SUNWkiquc 4.4,REV=2009.10.01.09.34.50
 SUNWciqu 4.4,REV=2009.10.01.09.35.07
 SUNWciquc 4.4,REV=2009.10.01.09.35.07
 SUNWhiqu 4.4,REV=2009.10.01.09.35.15
 SUNWhiquc 4.4,REV=2009.10.01.09.35.15

Product: Instant Messaging API
 Product Group: Shared Component
 Description: Instant Messaging API
 Oracle Version: Not Found
 Version: 9.2
 Marketing Version: 9u2
 Mnemonic: IMAPI
 Installation directory: <package default>
 Patches: 148583-06
 Dependencies:
 Package Name/Version:
 SUNWiimdvdv 9.0,REV=2011.09.05

Product: CommsInstaller
Product Group: CI Products
Description: The CommsInstaller installed as a package
Oracle Version: 7.0.6.0.0
Version: 7.6
Marketing Version: 7u6
Full Version: 7.6-0.10
Build Date: 20140701
Mnemonic: CI
Installation directory: <INSTALLROOT>/CommsInstaller
Patches:
Dependencies:
Package Name/Version:

SUNWcomms 7.6, REV=2014.07.01

[516 Sat Aug 09 00:26:05 user@host% ~/wspace/releases/ci76\$]

Configuration Worksheets - comm_dssetup.pl 6.4.0.26.0 Script

Configuration Worksheets - comm_dssetup.pl 6.4.0.26.0 Script

Print and fill out this worksheet to use when responding to the `comm_dssetup.pl` script configuration options. You use `comm_dssetup.pl` to prepare the Directory Server LDAP schema for Communications Suite products.

This sheet assumes you are using Scheme 2, the default for a new installation.

Option	Default Value	Fill in Your Site's Value (to Respond to the Script)
Directory Server Root	The default depends on the Directory Server version detected. The <code>comm_dssetup.pl</code> script does attempt to heuristically determine the value.	
Directory Manager DN	<code>cn=Directory Manager</code>	
Directory Manager Password	—	
Use directory server for users/groups	Yes	
Users/Groups base suffix	The default depends on what is detected. The <code>comm_dssetup.pl</code> script does attempt to heuristically determine the value.	
Schema type?	2. However, if you run <code>comm_dssetup.pl</code> again, it defaults to the value chosen the previous time.	
Update the schema files?	Yes	
Configure new indexes?	Yes	
Reindex new indexes?	Yes	

Configuring a Communications Suite 7.0.6 Host to be Multi-Homed

Configuring an Oracle Communications Unified Communications Suite 7.0.6 Host to Be Multi-Homed

When you install multiple instances of the same Communications Suite product on the same host, the different product instances use the same ports. If you run both instances of the product simultaneously, the ports conflict.

This information describes how to use a different IP address for each installation and configure the host to be multi-homed (accepting multiple IP addresses).

Topics:

- [To Change the IP Address for Each Installation](#)
- [To Configure the Host to Be Multi-Homed](#)
- [To Configure Multiple Addresses Per Interface](#)
- [Multi-Home Example](#)

To Change the IP Address for Each Installation

- Run the `ha_ip_config` utility. You must configure each installation to use a specific IP address, since the out-of-the-box default is to respond to any IP address (`INADDR_ANY`).



Note

The ENS service needs a separate step to change the IP address it responds to. A workaround is to either disable the ENS server for one of the installations (Unified Configuration uses `ens.enable`, legacy configuration uses `local.ens.enable`), or to change the port used by the ENS server. If you don't do this, one of the ENS servers does not start up. This may not be a huge issue at this time because the other ENS server handles the requests.

To Configure the Host to Be Multi-Homed

To configure a host to multi-homed, refer to <http://docs.oracle.com/cd/E19082-01/819-3000/ipconfig-22a/index.html>.

For more information, see the [Solaris 2 FAQ](#).

To Configure Multiple Addresses Per Interface

To configure multiple addresses per interface, refer to <http://docs.oracle.com/cd/E19082-01/819-3000/ipconfig-22a/index.html>.

Multi-Home Example

The following example creates a multi-home on the host `myhost`.

1. Create the new interface.


```

# ifconfig -a
lo0: flags=2001000849<UP,LOOPBACK,RUNNING,MULTICAST,IPv4,VIRTUAL>
mtu 8232 index 1
    inet 127.0.0.1 netmask ff000000
e1000g0: flags=1000843<UP,BROADCAST,RUNNING,MULTICAST,IPv4> mtu
1500 index 2
    inet 10.1.110.114 netmask ffffffff80 broadcast 10.1.110.127
    ether 0:c:f1:8e:fb:4
# ifconfig e1000g0:1 plumb
# ifconfig -a
lo0: flags=2001000849<UP,LOOPBACK,RUNNING,MULTICAST,IPv4,VIRTUAL>
mtu 8232 index 1
    inet 127.0.0.1 netmask ff000000
e1000g0: flags=1000843<UP,BROADCAST,RUNNING,MULTICAST,IPv4> mtu
1500 index 2
    inet 10.1.110.114 netmask ffffffff80 broadcast 10.1.110.127
    ether 0:c:f1:8e:fb:4
e1000g0:1: flags=1000842<BROADCAST,RUNNING,MULTICAST,IPv4> mtu 1500
index 2
    inet 0.0.0.0 netmask 0
# ifconfig e1000g0:1 10.1.110.16 up

```

2. Set the IP address for the Messaging Server on the alternate root (on /var/tmp/altroot/opt/sun/comms/messaging64 in the following example):

```

# cd /var/tmp/altroot/opt/sun/comms/messaging64
# sbin/ha_ip_config

Please specify the IP address assigned to the HA logical host name.
Use
dotted decimal form, a.b.c.d

Logical IP address: 10.1.110.16

Please specify the path to the top level directory in which iMS is
installed.

iMS server root: /var/tmp/altroot/opt/sun/comms/messaging64

The iMS server root directory does not contain any slapd-*
subdirectories.
Skipping configuration of LDAP servers.

        Logical IP address: 10.1.110.16
        iMS server root: /var/tmp/altroot/opt/sun/comms/messaging64

Do you wish to change any of the above choices (yes/no) [no]?

Updating the file
/var/tmp/altroot/opt/sun/comms/messaging64/config/dispatcher.cnf
Updating the file
/var/tmp/altroot/opt/sun/comms/messaging64/config/job_controller.cnf :
the service.listenaddr configutil parameter
Setting the service.http.smtphost configutil parameter
Setting the local.watcher.enable configutil parameter
Setting the local.autorestart configutil parameter
Setting the metermaid.config.listenaddr configutil parameters
Setting the metermaid.config.serverhost configutil parameters
Setting the local.ens.port configutil parameter
Configuration successfully updated

```

3. Do the same for the Messaging Server on the default root.

```

# cd /opt/sun/comms/messaging64
# sbin/ha_ip_config

Please specify the IP address assigned to the HA logical host name.
Use
dotted decimal form, a.b.c.d

Logical IP address: 10.1.110.114

Please specify the path to the top level directory in which iMS is
installed.

iMS server root: /opt/sun/comms/messaging64

The iMS server root directory does not contain any slapd-*
subdirectories.
Skipping configuration of LDAP servers.

        Logical IP address: 10.1.110.114
        iMS server root: /opt/sun/comms/messaging64

Do you wish to change any of the above choices (yes/no) [no]?

Updating the file /opt/sun/comms/messaging64/config/dispatcher.cnf
Updating the file
/opt/sun/comms/messaging64/config/job_controller.cnf
Setting the service.listenaddr configutil parameter
Setting the service.http.smtphost configutil parameter
Setting the local.watcher.enable configutil parameter
Setting the local.autorestart configutil parameter
Setting the metermaid.config.listenaddr configutil parameters
Setting the metermaid.config.serverhost configutil parameters
Setting the local.ens.port configutil parameter
Configuration successfully updated

```

4. Disable the ENS server on one of the installation by setting `local.ens.enable` to 0:

```

sbin/configutil -o local.ens.enable -v 0

```

5. Configure the netmask and broadcast on the new IP address:

```

# ifconfig e1000g0:1 down
# ifconfig e1000g0:1 netmask 0xffffffff80
# ifconfig e1000g0:1
e1000g0:1: flags=1000842<BROADCAST,RUNNING,MULTICAST,IPv4> mtu 1500
index 2
    inet 10.1.110.16 netmask ffffffff80 broadcast 10.255.255.255
# ifconfig e1000g0:1 broadcast 10.1.110.127
# ifconfig -a
lo0: flags=2001000849<UP,LOOPBACK,RUNNING,MULTICAST,IPv4,VIRTUAL>
mtu 8232 index 1
    inet 127.0.0.1 netmask ff000000
e1000g0: flags=1000843<UP,BROADCAST,RUNNING,MULTICAST,IPv4> mtu
1500 index 2
    inet 10.1.110.114 netmask ffffffff80 broadcast 10.1.110.127
    ether 0:c:f1:8e:fb:4
e1000g0:1: flags=1000842<BROADCAST,RUNNING,MULTICAST,IPv4> mtu 1500
index 2
    inet 10.1.110.16 netmask ffffffff80 broadcast 10.1.110.127
# ifconfig e1000g0:1 up

```

6. Edit /etc/hosts to add the new IP address 10.1.110.16 to it:

```

# cat /etc/hosts
127.0.0.1      localhost
10.1.110.114   myhost.west.sesta.com myhost      loghost
10.1.110.4     elegit.west.sesta.com
# multi-home - second IP address on ethernet port
10.1.110.16    myhost2.west.sesta.com myhost2

```

Configuring Communications Suite 7.0.6 Individual Ports

Configuring Oracle Communications Unified Communications Suite 7.0.6 Individual Ports

When multiple instances of the same Communications Suite product are installed on one host, they are initially configured to use the same ports. If you run both instances of the product simultaneously, the ports conflict.

To avoid conflicts, configure the ports for additional instances of the product so that they differ. (The initial instance can retain the original port settings as long as other instances are modified so that port numbers aren't re-used.)

For example, for Messaging Server, change the ports for the following processes:

- SMTP
- IMAP
- IMAP SSL
- POP
- POP over SSL
- HTTPD
- ENS
- job_controller
- watcher

The SSL versions of the ports must also be unique between instances. There may be additional ports to reconfigure that are not listed here, such as SMTP SUBMIT.

To look for MTA-related processes, you can use the following techniques.

- In Unified Configuration:

```
./msconfig  
msconfig > show *port*
```

- In legacy configuration:
 - View the `dispatcher.cnf` file.
 - `store` and `mshttpd` ports can be found by using the `configutil` command.
 - MMP ports are also found by using the `configutil` command or through its configuration files.

In addition, you can identify ports by taking these actions:

- See [Default Port Numbers](#).
- See the topic on configuring POP, IMAP, and HTTP services in *Messaging Server System Administrator's Guide*.
- You can `grep` for the word "port" in the masterconfig file (`lib/config.meta`).
- Query the following options as shown in the following table:

Port Options

Service	Unified Configuration Option	Legacy Configuration configutil Option	Default Value
watcher	watcher.port	local.watcher.port	49994
metermaid	metermaid.port	metermaid.config.port	63837
IMAP	imap.port	service.imap.port	143
IMAP SSL	imap.sslport	service.imap.sslport	993
POP	pop.port	service.pop.port	110
POP over SSL	pop.sslport	service.pop.sslport	995
Webmail	http.port	service.http.port	80
Webmail SSL	http.sslport	service.http.sslport	443
ens	notifytarget: <i>name</i> .ensport	local.store.notifyplugin.ensport	7997
jqmq	notifytarget: <i>name</i> .jqmqport	local.store.notifyplugin.jmqport	7676

Installation Worksheets - Oracle iPlanet Web Server

Oracle iPlanet Web Server Settings Worksheet

Print and fill out this worksheet to use when responding to the Common and Web Server configuration options in the various product initial configurators.

Oracle iPlanet Web Server Settings

Option	Default Value	Fill in Your Site's Value (to Respond to the Installer)
Common Server Settings		
Host Name	<i>your host name</i>	
DNS Domain Name	<i>your DNS domain</i>	
Host IP address	<i>your host IP address</i>	Verify correct address
System user	root	
System group	root	
Web Server Settings		
Type of configuration	Configure Administration Instance as Server	
Start servers after system startup	Unchecked	
Server Host	<i>FDQN of your host</i>	
Admin Server SSL port	8989	
Admin Server HTTP port	8800	
Admin runtime user ID	root	
Web Server Name	<i>FDQN of your host</i>	
HTTP port	80	
Web Server runtime UNIX user ID	webserver	
Document root directory	<i>/var/opt/SUNWwbsvr7/https-hostname/docs</i>	

Installing Communications Suite 7.0.6 in Silent Mode

Installing Oracle Communications Unified Communications Suite 7.0.6 in Silent Mode

When you run the Communications Suite installer in *silent mode*, you are running a non-interactive session. The installation inputs are taken from the following sources:

- A silent installation file (also known as a state file)
- Command-line arguments
- Default settings

You can use silent mode to install multiple instances of the same software component and configuration without having to manually run an interactive installation for each instance.

Topics:

- [To Run a Communications Suite Silent Installation](#)
- [About Upgrading Shared Components](#)
- [Silent Mode File Format](#)

To Run a Communications Suite Silent Installation

1. Obtain the state file by one of the following two means.
 - Run an interactive installation session and use the state file that is created in the `/var/opt/CommsInstaller/logs/` directory. The state file name is similar to `silent_CommsInstaller_20070501135358`. A state file is automatically created for every run of the installation.
 - Create a silent state file without actually installing the software during the interactive session by using the `--dry-run` option, then modifying the state file. For example:

```
# commpkg install --dry-run
```

2. Copy the state file to each host machine and edit the file as needed. See [Silent Mode File Format](#).
3. Run the silent installation on each host.
For example:

```
# commpkg install --silent <Input File>
```

where *Input File* is the path and name of the silent state file, for example `/var/opt/CommsInstaller/logs/silent_CommsInstaller_20070501135358`.
For details about the `--silent` option, see the silent installation usage in [commpkg install usage](#).



Note

Command-line arguments override the values and arguments in the state file.

About Upgrading Shared Components

By default, shared components that require user acceptance for upgrading are not upgraded when you run a silent installation. The option to upgrade shared components in the silent state file is automatically

disabled. That is, the option is set to `UPGRADESC=No`. This is true *even* if you explicitly asked to upgrade shared components when you ran the interactive installation that generated the silent state file. That is, you ran either `commpkg install --upgradeSC y` or you answered "yes" when prompted for each shared component that needed upgrading.

Disabling upgrading shared components in the silent state file is done because the other hosts on which you are propagating the installation might have different shared components installed, or different versions of the shared components. Therefore, it is safer to not upgrade the shared components by default.

You can upgrade shared components when you run a silent installation by performing either of the following actions:

- Use the `--upgradeSC y` option when you run the silent installation. (The command-line argument overrides the argument in the state file.)
- Edit the `UPGRADESC=No` option in the silent state file to: `UPGRADESC=Yes`.



Caution

If you do not upgrade shared components your installation might not work properly.

Silent Mode File Format

The silent mode file (also known as a state file) is formatted like a property file: blank lines are ignored, comment lines begin with a number sign (`#`), and properties are key/value pairs separated by an equals (`=`) sign. The following table shows which parameters you can change and provides examples:

Silent Mode File Parameters

Parameter	Description	Example
VERB	Indicates which function to perform. For a silent install, this is set to install.	VERB=install
ALTDISTROPATH	Indicates an alternate distro path.	ALTDISTROPATH=SunOS5.10_i86pc_DBG.OBJ/release
PKGOVERWRITE	A boolean indicating whether to overwrite the existing installation packages. (See the <code>--pkgOverwrite</code> switch).	PKGOVERWRITE=YES
INSTALLROOT	Specifies installation root.	INSTALLROOT=/opt/sun/comms
ALROOT	A boolean indicating whether this is an alternate root install.	ALROOT=yes
EXCLUDEOS	Specifies to not upgrade operating system patches.	EXCLUDEOS=YES
EXCLUDESC	Specifies to exclude shared component patches.	EXCLUDESC=no
COMPONENTS	A space separated list of mnemonics of the components to be installed. You can precede the mnemonic with a ~ to indicate that only the shared components for that product be installed.	To specify 64-bit Messaging Server: COMPONENTS=MS64
ACCEPTLICENSE	This option is no longer used.	
UPGRADESC	Indicates whether all shared components should or should not be upgraded without prompting.	UPGRADESC=no
INSTALLNAME	The friendly name for the INSTALLROOT.	INSTALLNAME=
COMPONENT_VERSIONS	This parameter is unused.	Not applicable

To display a complete list of the product names (such as MS, MS64, CS) to use with the COMPONENTS property, run the `commpkg info --listPackages` command. This command displays the mnemonics for each product.

Installing Communications Suite 7.0.6 on Solaris Zones

Installing Oracle Communications Unified Communications Suite 7.0.6 on Solaris Zones

This information explains how to install Communications Suite on Solaris OS 10 Zones.

Topics:

- [Installing on Solaris OS 10 Zones: Best Practices](#)
- [Installing into a Non-Global Whole Root Zone](#)
- [Installing into a Non-Global Sparse Root Zone](#)
- [Guidelines for Using Sun Cluster HA Packages in a Non-Global Zone](#)

Installing on Solaris OS 10 Zones: Best Practices

You can install Communications Suite components in the global zone, whole root non-global zones, and sparse non-global zones. Follow these guidelines:

- Treat the global zone as an "administration zone."
Install shared components and OS patches in the global zone that are to be shared among all zones. However, do not install and run products from the global zone.
- Use whole root non-global zones to run Communications Suite products.
Do not use the global zone or sparse zones. A whole root zone can have versions that are different from other whole root zones, thus giving it a measure of being "self-contained".
- The one exception to these two guidelines is to install HA agents (MS_SCHA, CS_SCHA, and IM_SCHA) only in the global zone. The Communications Suite Installer automatically propagates HA agents to all non-global zones. That is, the pkgadd -G switch is not used for HA agents.

Be aware of the following zone aspects:

- You can have different shared component versions in the whole root non-global zone, but it isn't entirely insulated. If you do a packaging or patching operation in the global zone for a shared component, that operation is also attempted in the whole root zone. Thus, to truly have different shared component versions, use an alternate root.
- To avoid affecting whole root zones you can attempt to never install and patch shared components in the global zone. However, it might not be realistic to never have to install or patch a shared component in the global zone. For example, NSS is a shared component, but it is part of Solaris OS. So to expect to never install and patch NSS in the global zone seems unrealistic, especially given it is a security component.
- Although it isn't a recommended best practice, you can use Communications Suite products in sparse non-global zones. Do note that shared components cannot be installed into the default root because many of them install into the read-only shared file system (/usr). Thus, you must run the installer in the global zone to install shared components into the default root. Prepend your selection with ~ in the global zone to install only the dependencies (that is, shared components). You do not have to install in the global zone first before installing in the sparse zone. The installer allows you to continue even when you do not install all the dependencies. However, upgrading the shared components in the global zone affects the sparse non-global zones, thus requiring downtime for all affected zones simultaneously.



Note

For Messaging Server, starting with Version 7 Update 5, sparse zone support is deprecated and may be removed in a future release.

Installing into a Non-Global Whole Root Zone

The non-global whole root zone scenario is the equivalent of installing Messaging Server on a single box with no zones. Simply install Communications Suite as you normally would.



Caution

Any operations performed in the global zone (such as installations, uninstallations, and patching) affect the whole root zones.

Installing into a Non-Global Sparse Root Zone

Although it isn't a recommended best practice, you can use Communications Suite Products in a non-global sparse root zone. To install Communications Suite in a non-global sparse root zone, you first need to install/upgrade the applicable OS patches and shared components in the global zone. You are unable to do so in the sparse root zone, because the /usr directory (where the shared components reside) is a read-only directory in the sparse root zone.

1. Follow pre-installation requirements as described in [Installation Overview](#).
2. Verify that you are about to install the shared components and OS patches in the global zone and not the sparse root zone. To verify you are in the global zone, run `zonename`. The output should be `global`.
3. Run the installer in the global zone and only install/upgrade the OS patches and the Shared Components. Do not install Communications Suite components in the global zone. To do this, add a `~` (tilde) to the component number you want to install in the sparse zone. For example, if you plan to install Messaging Server in the sparse zone, you select `~1` during the global zone installation. The installer will know to only install dependencies and not the product itself.
4. Once you have the shared components and OS patches installed, install Communications Suite components in the sparse root zone.

Guidelines for Using Sun Cluster HA Packages in a Non-Global Zone

The HA agents (MS_SCHA, IM_SCHA, and CS_SCHA) should be installed in the global zone only. The Communications Suite Installer will propagate the installation of the HA agent to all non-global zones. This is required since the version of the HA agent must be identical on all zones.

Take the following steps to install the Communications Suite Cluster HA agent in non-global zones:

1. Start Communications Suite Installer in the global zone only:

```
compkg install
```

This command installs the Sun Cluster HA Agent package on global zone and all non-global zones.

2. If you have sparse zones that need the HA agent, run the Sun Cluster HA Agent initial configuration command in the global zone:

```
<scha_base>/bin/init-config
```

3. In the whole root zones where you are going to use the HA agent, run the Sun Cluster HA Agent

initial configuration command in the global zone:

```
<scha_base>/bin/init-config
```

Installing Java For Communications Suite 7.0.6

Installing Java for Communications Suite 7.0.6

Java is no longer bundled with the Oracle Communications Unified Communications Suite installer. The 32-bit and 64-bit JDKs require manual installation. Install the JDKs, rather than the JRE, because the JDKs include debugging tools such as `jstack`, and Delegated Administrator requires the JAR utility.

Topics:

- [Java for Solaris Overview](#)
- [Downloading and Installing Java 7 for Solaris](#)
- [Downloading and Installing Java 6 for Delegated Administrator on Solaris](#)
- [Java for Linux Overview](#)
- [Downloading and Installing Java 7 for Linux](#)
- [Downloading and Installing Java 6 for Delegated Administrator on Linux](#)

Java for Solaris Overview

To use the Java JDK for Oracle Solaris, download and install:

- Java 7 for all Unified Communications Suite 7.0.6 products except Delegated Administrator, which requires Java 6
Delegated Administrator requires GlassFish 2.1.1 which, in turn, requires Java 6.
- Both the 32-bit and 64-bit versions of Java
Install 32-bit Java before 64-bit Java. 64-bit Java is treated as an add-on to 32-bit Java and must be installed after it.
- `tar .Z` files
The `tar .Z` files contain SVR4 packages, and only the Java versions in SVR4 packages are covered by OS-recommended patch sets.

Delegated Administrator and another UCS product might be on the same machine and so require different versions of Java. You can safely download and install Java 6 for Delegated Administrator and Java 7 for the other UCS 7.0.6 products.

Downloading and Installing Java 7 for Solaris

This section describes how to download Java 7 for the Solaris SPARC platform. Topics in this section:

- [To Download Java 7 for Solaris](#)
- [To Install Java 7 for Solaris](#)

To Download Java 7 for Solaris

1. Navigate to [Oracle Java SE Downloads](#).
2. Click the Download button for the latest release of the JDK for the Java 7 (all UCS products other than Delegated Administrator).
This displays the download page and a license agreement for the release you selected.
3. Accept the license agreement and download the following files:
 - `jdk-7u55-solaris-sparc.tar.Z` (Solaris SPARC, SVR4 package)
 - `jdk-7u55-solaris-sparcv9.tar.Z` (Solaris SPARC 64-bit, SVR4 package)

To Install Java 7 for Solaris

Examples in the steps that follow are for Java 7u55, the latest version of Java 7 at the time of this writing.

1. Uncompress, and untar the downloaded 32- and 64-bit Java tar .Z files.

For example:

```
zcat jdk-7u55-solaris-sparc.tar.Z | tar xf -  
zcat jdk-7u55-solaris-sparcv9.tar.Z | tar xf -
```

2. Become root.
3. If there is an earlier version of Java 7 installed, uninstall it.
4. Install the package files, first the file for 32-bit Java, then the file for 64-bit Java.

For example:

```
pkgadd -d . SUNWj7rt SUNWj7dev SUNWj7cfg SUNWj7man  
pkgadd -d . SUNWj7rtx SUNWj7dvx
```

5. Verify that Java has been set up correctly.

```
/usr/jdk/jdk1.7.0_55/bin/java -d64 -version
```

The shell returns the current Java version. It should match the version you have just installed. For example:

```
java version "1.7.0_55"  
Java(TM) SE Runtime Environment (build 1.7.0_55...)  
...
```

Downloading and Installing Java 6 for Delegated Administrator on Solaris

This section describes how to download Java 6 for the Solaris SPARC platform. Topics in this section:

- [To Download Java 6 for Delegated Administrator on Solaris](#)
- [To Install Java 6 for Delegated Administrator on Solaris](#)

To Download Java 6 for Delegated Administrator on Solaris

1. Navigate to [Java SE 6 Downloads](#)
2. Click the link for Java SE Development Kit 6u45, the final update for Java 6.
This displays the license agreement for Java SE Development Kit 6u45.
3. Accept the license agreement and download the following files:
 - jdk-6u45-solaris-sparc.tar.Z (Solaris SPARC, SVR4 package)
 - jdk-6u45-solaris-sparcv9.tar.Z (Solaris SPARC 64-bit, SVR4 package)

To Install Java 6 for Delegated Administrator on Solaris

When you install Java 6, install Java 6u45, the final version of Java 6. Examples in the steps that follow are for Java 6u45 for SPARC systems.

1. Uncompress, and untar the 32- and 64-bit Java tar .Z files.
For example for SPARC systems:


```
zcat jdk-6u45-solaris-sparc.tar.Z | tar xf -
zcat jdk-6u45-solaris-sparcv9.tar.Z | tar xf -
```

2. Become root.
3. If there is an earlier SVR4 package version of Java 6 installed, uninstall it.
4. Install the package files, first the file for 32-bit Java, then the file for 64-bit Java.
For example:

```
pkgadd -d . SUNWj6rt SUNWj6dev SUNWj6cfg SUNWj6man
pkgadd -d . SUNWj6rtx SUNWj6dvx
```

5. Verify that Java has been set up correctly.

```
/usr/jdk/jdk1.6.0_45/bin/java -d64 -version
```

The shell returns the current Java version. It should match the version you have just installed. For example:

```
java version "1.6.0_45"
Java(TM) SE Runtime Environment (build 1.6.0_45...)
...
```

Java for Linux Overview

For Linux, the 32-bit and 64-bit versions of Java are separate and independent. You can install 64-bit Java without installing 32-bit Java. This is in contrast to Solaris, which requires you to download both 32-bit and 64-bit Java for a 64-bit Solaris system.

To use the Java JDK for Linux, download and install:

- The 64-bit tar .gz archive file for Java 7 for all Unified Communications Suite 7.0.6 products except Delegated Administrator
- The 32-bit .bin (not rpm.bin) self-extracting binary file for Java 6 for Delegated Administrator
Delegated Administrator requires GlassFish 2.1.1 which, in turn, requires Java 6.

Install Java in the /usr/java directory. Do not install from rpm.bin or .bin files, which are for RPM-based installation. RPM-based installation does not allow you to install multiple versions of Java; installations from the tar.gz and .bin files do.

Delegated Administrator and another UCS product might be on the same machine and so require different versions of Java. You can safely download and install Java 6 for Delegated Administrator and Java 7 for the other UCS 7.0.6 product.

Downloading and Installing Java 7 for Linux

Topics in this section:

- [To Download Java 7 for Linux](#)
- [To Install Java 7 for Linux](#)

To Download Java 7 for Linux

1. Navigate to [Oracle Java SE Downloads](#).
2. Click the Download button for the latest release of the JDK for the Java 7 (all UCS products other than Delegated Administrator).
This displays the download page and a license agreement for the release you selected.
3. Accept the license agreement.
4. Download `jdk-7u55-linux-x64.tar.gz` (Linux x64).

To Install Java 7 for Linux

As part of the JDK installation, reset the symlink `/usr/java/latest` to point to the new JDK version. In addition, configure `JAVA_HOME` to point to the JDK installation.

Examples in the steps that follow are for Java 7u55, the latest version of Java 7 at the time of this writing.

1. Uncompress and open the downloaded tar.gz file in `/usr/java`.
For example:

```
tar zxvf jdk-7u55-linux-x64.tar.gz
```

2. Remove any earlier version of Java pointed to by the `latest` symlink and update the symlink to point to the new version of Java.
For example:

```
rm latest  
ln -s jdk1.7.0_55 latest
```

3. Verify that Java has been set up correctly.

```
/usr/java/jdk1.7.0_55/bin/java -d64 -version
```

The shell returns the current Java version. It should match the version you have just installed. For example:

```
java version "jdk1.7.0_55"  
Java(TM) SE Runtime Environment (build 1.7.0_55...)  
...
```

Downloading and Installing Java 6 for Delegated Administrator on Linux

Topics in this section:

- [To Download Java 6 for Linux](#)
- [To Install Java 6 for Delegated Administrator on Linux](#)

To Download Java 6 for Linux

1. Navigate to [Java SE 6 Downloads](#)

2. Click the link for Java SE Development Kit 6u45, the final update for Java 6.
This displays the license agreement for Java SE Development Kit 6u45.
3. Accept the license agreement.
4. Download `jdk-6u45-linux-i586.bin`.

To Install Java 6 for Delegated Administrator on Linux

As part of the JDK installation, reset the symlink `/usr/java/latest` to point to the new JDK version.

1. Become root.
2. Extract Java in `/usr/java`.
For example:

```
chmod +x jdk-6u45-linux-i586.bin
./jdk-6u45-linux-i586.bin
```

3. Remove any earlier version of Java pointed to by the `latest` symlink and update the symlink to point to the new version of Java.
For example:

```
rm latest
ln -s jdk1.6.0_45 latest
```

4. Verify that Java has been set up correctly.

```
/usr/java/jdk1.6.0_45/bin/java -version
```

The shell returns the current Java version. It should match the version you have just installed. For example:

```
java version "1.6.0_45"
Java(TM) SE Runtime Environment (build 1.6.0_45...)
...
```

Sample Session - Communications Suite 7.0.6 Install Using ALTROOT

Sample Session - Oracle Communications Unified Communications Suite 7.0.6 Install Using ALTROOT

This sample session shows an install and uninstall of Communications Suite 7.0.6 by running the Communications Suite installer, `commpkg`, with the `ALTROOT` option. You can uninstall an `ALTROOT` by removing the entire `ALTROOT`.

Topics:

- [Comments](#)
- [Summary of Commands Run](#)
- [Session](#)

Comments

```
(Carryover R7u4) Comments
- IM9 says they now support altroot

(Carryover R7u1) Comments
- The /etc/softlist.xml file contains the "known" altroots to CI. It
  is not authoritative. The file is updated when CI finds changes on
  the system.
- When installing into an altroot, products are installed into the
  altroot.
OS patches are always installed into the default root (/).
Some Shared components (SCs) are installed into the altroot and some
are installed into the default root (/).
MySQL is an example of a SC that is always installed into the default
root.
- altroot install is available on solaris only, it uses the -R switch
  to pkgadd
- You must specify the altroot to "commpkg uninstall". The altroot is
  an optional 3rd argument to the commpkg command.
- Another way to uninstall an altroot, is to simply wipe out the
  entire altroot (with rm -r). The next time you run "commpkg info"
  it will fix up /etc/softlist.xml
- Only MS has been tested to use the SCs in the altroot location. Most
  other products have not done this testing, and thus probably may use
  the SC in the default altroot, and not the one in the altroot.
```

Summary of Commands Run

```

570 uname -a
571 ./commpkg info
572 cat /etc/softlist.xml
573 ./commpkg --OSversionOverride install /opt/altroot
574 cat
/opt/altroot/var/opt/CommsInstaller/logs/undoCommsInstall_20140808182253
575 cat
/opt/altroot/var/opt/CommsInstaller/logs/silent_CommsInstaller_201408081822
cat
/opt/altroot/var/opt/CommsInstaller/logs/CommsInstaller_20140808182253.log
./commpkg info
578 ./commpkg info --verbose
579 ./commpkg uninstall /opt/altroot
580 cat
/opt/altroot/var/opt/CommsInstaller/logs/silent_CommsInstaller_201408081824
cat
/opt/altroot/var/opt/CommsInstaller/logs/CommsInstaller_20140808182446.log
./commpkg info --verbose
583 cat /etc/softlist.xml
584 ls /opt/altroot
585 \rm -rf /opt/altroot
586 ./commpkg info
587 cat /etc/softlist.xml

```

Session

```

[570 Fri Aug 08 18:22:20 root@host% /home/user/wspace/releases/ci76# ]
# uname -a
SunOS host 5.10 Generic_147440-12 sun4v sparc sun4v
[571 Fri Aug 08 18:22:28 root@host% /home/user/wspace/releases/ci76# ]
# ./commpkg info
-- LOGFILE: /tmp/CommsInstaller_20140808182231.log
CommsInstaller version 7.0.6.0.0 (7.6-0.10) built on Tue Jul 1 21:57:57
PDT 2014
=====
Detecting Installed Products...
Detecting Installed Patches...
NOTICE: The OS Recommended Patch Cluster (as of 2013.02.19)
has not been applied. Specifically the following
patches are missing:
147147-26
NOTICE: It is highly recommended that you apply the
latest OS Recommended Patch Cluster. commpkg will
not do this automatically.
ALTROOT: /
NAME: ""

[572 Fri Aug 08 18:22:37 root@host% /home/user/wspace/releases/ci76# ]
# cat /etc/softlist.xml
<?xml version="1.0" encoding="utf-8"?>
<!-- Do not edit! This file is automatically generated. -->
<!-- Last Update: Fri Aug 8 18:22:20 PDT 2014 -->

```

```

<!-- By:
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
./commpkg -->

<multi-inst-list>
<install name="" root="/" suite="comms" />
</multi-inst-list>
[573 Fri Aug 08 18:22:43 root@host% /home/user/wspace/releases/ci76# ]
# ./commpkg --OSversionOverride install /opt/altroot
-- LOGFILE: /tmp/CommsInstaller_20140808182253.log
CommsInstaller version 7.0.6.0.0 (7.6-0.10) built on Tue Jul 1 21:57:57
PDT 2014

Welcome to the Oracle Communications Unified Communications Suite
Product Installer
This program will install selected components of the Communications
Suite
on your computer. Do note that the installer lays down the
bits, but does not do configuration. Separate configuration
steps for each individual product will be required.

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Use is subject to license terms.

=====
INFO: altroot mode is activated.
-- Creating /opt/altroot
=====
Detecting Installed Products...
Detecting Installed Patches...
NOTICE: The OS Recommended Patch Cluster (as of 2013.02.19)
has not been applied. Specifically the following
patches are missing:
147147-26
NOTICE: You must apply the latest OS Recommended Patchset
Some products will not work properly without it
Do you want to continue ? [no] : yes
=====
Product Selection:

Shared Components (not shown) will be installed as required.
you will be prompted later if Shared Components need to be upgraded.
OS patches (not shown) will be installed as required.

Communication Products:

Item Description
-----
1 Messaging Server (64bit) 7.0.5.31.0
2 Comms DSsetup 6.4.0.26.0
3 Calendar Server 7.0.4.15.0
4 Instant Messaging 9.0.2.6.0
5 Convergence 3.0.0.1.0
6 Indexing and Search Service 1.0.5.22.0
7 Comms Delegated Administrator 7.0.0.9.0
8 Contacts Server 8.0.0.0.0

```

```
9 Messaging Server Sun Cluster HA agent 7.0 (7.0-0.03)
10 Instant Messaging Sun Cluster HA agent 7.3 (7.3-01.02)
```

Enter the items you wish to install. Enter q to quit.
Prefix an item with ~ to indicate you only want
to install shared component dependencies of that product
You can enter multiple items using commas to separate them.
For example: 1,2

Please select the products you wish to install [1, 2, 3, 4, 5, 6, 7, 8,
9, 10]:

=====

Generating list of things to install...

Checking for Shared Component Upgrade Requirements...

=====

WILL INSTALL: Instant Messaging API 9u2

WARNING: JDK is not in the distro, it will NOT be installed...

Please obtain and install it separately

WILL INSTALL: International Components for Unicode ICU2,ICU3

WILL INSTALL: Simple Authentication and Security Layer 2.19

WILL INSTALL: LDAPCSDK6 Tools 6.0

to /opt/altroot/directory

WILL INSTALL: NSPR/NSS/JSS 4.8.9

WILL INSTALL: Message Queue 4.4

WILL INSTALL: Message Queue Localization 4.4

WILL INSTALL: LDAPCSDK6 6.0

WILL INSTALL: Java Help Runtime 2.0

WILL INSTALL: Messaging Server (64bit) 7.0.5.31.0

to /opt/altroot/messaging64

WILL INSTALL: Comms DSsetup 6.4.0.26.0

to /opt/altroot/dssetup

WILL INSTALL: Calendar Server 7.0.4.15.0

to /opt/altroot/davserver

WILL INSTALL: Instant Messaging 9.0.2.6.0

to /opt/altroot/im

WILL INSTALL: Convergence 3.0.0.1.0

to /opt/altroot/iwc

WILL INSTALL: Indexing and Search Service 1.0.5.22.0

to /opt/altroot/jiss

WILL INSTALL: Comms Delegated Administrator 7.0.0.9.0

to /opt/altroot/da

WILL INSTALL: Contacts Server 8.0.0.0.0

to /opt/altroot/nabserver

WILL INSTALL: Messaging Server Sun Cluster HA agent 7.0 (7.0-0.03)

to /opt/altroot/msg_scha

WILL INSTALL: Instant Messaging Sun Cluster HA agent 7.3 (7.3-01.02)

to /opt/altroot/im_scha

WILL INSTALL: CommsInstaller 7.0.6.0.0

to /opt/altroot/CommsInstaller

=====

Ready to install

Do you want to continue ? [yes] :

=====

```

Installing Instant Messaging API 9u2...
----- Executing Task 1 of 58 ...

=====
Installing International Components for Unicode ICU2,ICU3...
----- Executing Task 2 of 58 ...

=====
Installing Simple Authentication and Security Layer 2.19...
----- Executing Task 3 of 58 ...

=====
Installing LDAPSDK6 Tools 6.0...
----- Executing Task 4 of 58 ...

=====
Installing NSPR/NSS/JSS 4.8.9...
----- Executing Task 5 of 58 ...
----- Executing Task 6 of 58 ...
----- Executing Task 7 of 58 ...
----- Executing Task 8 of 58 ...
----- Executing Task 9 of 58 ...
----- Executing Task 10 of 58 ...

=====
Installing Message Queue 4.4...
----- Executing Task 11 of 58 ...
----- Executing Task 12 of 58 ...
----- Executing Task 13 of 58 ...
----- Executing Task 14 of 58 ...
----- Executing Task 15 of 58 ...
----- Executing Task 16 of 58 ...
----- Executing Task 17 of 58 ...
----- Executing Task 18 of 58 ...
----- Executing Task 19 of 58 ...
----- Executing Task 20 of 58 ...

=====
Installing Message Queue Localization 4.4...
----- Executing Task 21 of 58 ...
----- Executing Task 22 of 58 ...
----- Executing Task 23 of 58 ...
----- Executing Task 24 of 58 ...
----- Executing Task 25 of 58 ...
----- Executing Task 26 of 58 ...
----- Executing Task 27 of 58 ...
----- Executing Task 28 of 58 ...
----- Executing Task 29 of 58 ...
----- Executing Task 30 of 58 ...
----- Executing Task 31 of 58 ...
----- Executing Task 32 of 58 ...
----- Executing Task 33 of 58 ...
----- Executing Task 34 of 58 ...

=====
Installing LDAPSDK6 6.0...

```



```

----- Executing Task 35 of 58 ...
----- Executing Task 36 of 58 ...

=====
Installing Java Help Runtime 2.0...
----- Executing Task 37 of 58 ...
----- Executing Task 38 of 58 ...
----- Executing Task 39 of 58 ...
----- Executing Task 40 of 58 ...

=====
Installing Messaging Server (64bit) 7.0.5.31.0...
----- Executing Task 41 of 58 ...

=====
Installing Comms DSsetup 6.4.0.26.0...
----- Executing Task 42 of 58 ...

=====
Installing Calendar Server 7.0.4.15.0...
----- Executing Task 43 of 58 ...

=====
Installing Instant Messaging 9.0.2.6.0...
----- Executing Task 44 of 58 ...
----- Executing Task 45 of 58 ...
----- Executing Task 46 of 58 ...
----- Executing Task 47 of 58 ...
----- Executing Task 48 of 58 ...
----- Executing Task 49 of 58 ...
----- Executing Task 50 of 58 ...
----- Executing Task 51 of 58 ...

=====
Installing Convergence 3.0.0.1.0...
----- Executing Task 52 of 58 ...

=====
Installing Indexing and Search Service 1.0.5.22.0...
----- Executing Task 53 of 58 ...

=====
Installing Comms Delegated Administrator 7.0.0.9.0...
----- Executing Task 54 of 58 ...

=====
Installing Contacts Server 8.0.0.0.0...
----- Executing Task 55 of 58 ...

=====
Installing Messaging Server Sun Cluster HA agent 7.0 (7.0-0.03)...
----- Executing Task 56 of 58 ...

=====
Installing Instant Messaging Sun Cluster HA agent 7.3 (7.3-01.02)...
----- Executing Task 57 of 58 ...

```

```

=====
Installing CommsInstaller 7.0.6.0.0...
----- Executing Task 58 of 58 ...
=====
SUMMARY:

All tasks PASSED
Checking JES java symlink...
INFO: /etc/softlist.xml updated

Hit Return to Continue:
=====

NOTICE: To undo the installation, run the commands in:
/opt/altroot/var/opt/CommsInstaller/logs/undoCommsInstall_20140808182253

NOTICE: silent file created in:
/opt/altroot/var/opt/CommsInstaller/logs/silent_CommsInstaller_20140808182253
LOGFILE created in:
/opt/altroot/var/opt/CommsInstaller/logs/CommsInstaller_20140808182253.log
were 1 Warning(s). Please consult the log file
[574 Fri Aug 08 18:23:39 root@host% /home/user/wspace/releases/ci76# ]
# cat
/opt/altroot/var/opt/CommsInstaller/logs/undoCommsInstall_20140808182253
#!/bin/sh
# Note that only tasks that PASSED are undone
# For reference, tasks that FAILED or are irreversible are in comments
# WARNING WARNING WARNING
# Executing irreversible tasks may result in a non-functional system!!!
ADMIN=/opt/altroot/var/opt/CommsInstaller/logs/admin.quiet
set -v
# IRREVERSIBLE: pkgrm -R /opt/altroot -n -a $ADMIN SUNWcomms
#####
# Finished Undo of: Installing CommsInstaller 7.0.6.0.0...
#####
pkgrm -R /opt/altroot -n -a $ADMIN SUNWiimsc
#####
# Finished Undo of: Installing Instant Messaging Sun Cluster HA agent
7.3 (7.3-01.02)...
#####
pkgrm -R /opt/altroot -n -a $ADMIN SUNWmessaging-server-scha
#####
# Finished Undo of: Installing Messaging Server Sun Cluster HA agent 7.0
(7.0-0.03)...
#####
pkgrm -R /opt/altroot -n -a $ADMIN SUNWnabserver
#####
# Finished Undo of: Installing Contacts Server 8.0.0.0.0...
#####
pkgrm -R /opt/altroot -n -a $ADMIN SUNWcommda
#####
# Finished Undo of: Installing Comms Delegated Administrator
7.0.0.9.0...
#####

```

```

pkgmgr -R /opt/altroot -n -a $ADMIN SUNWjiss
#####
# Finished Undo of: Installing Indexing and Search Service 1.0.5.22.0...
#####
pkgmgr -R /opt/altroot -n -a $ADMIN SUNWiwc
#####
# Finished Undo of: Installing Convergence 3.0.0.1.0...
#####
pkgmgr -R /opt/altroot -n -a $ADMIN SUNWiimfed
pkgmgr -R /opt/altroot -n -a $ADMIN SUNWiimw
pkgmgr -R /opt/altroot -n -a $ADMIN SUNWiimgw
pkgmgr -R /opt/altroot -n -a $ADMIN SUNWiimid
pkgmgr -R /opt/altroot -n -a $ADMIN SUNWiimjd
pkgmgr -R /opt/altroot -n -a $ADMIN SUNWiimm
pkgmgr -R /opt/altroot -n -a $ADMIN SUNWiim
pkgmgr -R /opt/altroot -n -a $ADMIN SUNWiimin
#####
# Finished Undo of: Installing Instant Messaging 9.0.2.6.0...
#####
pkgmgr -R /opt/altroot -n -a $ADMIN SUNWdavserver
#####
# Finished Undo of: Installing Calendar Server 7.0.4.15.0...
#####
pkgmgr -R /opt/altroot -n -a $ADMIN SUNWcomds
#####
# Finished Undo of: Installing Comms DSsetup 6.4.0.26.0...
#####
pkgmgr -R /opt/altroot -n -a $ADMIN SUNWmessaging-server-64
#####
# Finished Undo of: Installing Messaging Server (64bit) 7.0.5.31.0...
#####
# IRREVERSIBLE: pkgmgr -R /opt/altroot -n -a $ADMIN SUNWjhdoc
# IRREVERSIBLE: pkgmgr -R /opt/altroot -n -a $ADMIN SUNWjhdm
# IRREVERSIBLE: pkgmgr -R /opt/altroot -n -a $ADMIN SUNWjhdev
# IRREVERSIBLE: pkgmgr -R /opt/altroot -n -a $ADMIN SUNWjhrt
#####
# Finished Undo of: Installing Java Help Runtime 2.0...
#####
# IRREVERSIBLE: pkgmgr -R /opt/altroot -n -a $ADMIN SUNWldapcsdk-dev
# IRREVERSIBLE: pkgmgr -R /opt/altroot -n -a $ADMIN SUNWldapcsdk-libs
#####
# Finished Undo of: Installing LDAPCSKD6 6.0...
#####
# IRREVERSIBLE: pkgmgr -R /opt/altroot -n -a $ADMIN SUNWhiqu
# IRREVERSIBLE: pkgmgr -R /opt/altroot -n -a $ADMIN SUNWhiqu
# IRREVERSIBLE: pkgmgr -R /opt/altroot -n -a $ADMIN SUNWciqu
# IRREVERSIBLE: pkgmgr -R /opt/altroot -n -a $ADMIN SUNWciqu
# IRREVERSIBLE: pkgmgr -R /opt/altroot -n -a $ADMIN SUNWkiqu
# IRREVERSIBLE: pkgmgr -R /opt/altroot -n -a $ADMIN SUNWkiqu
# IRREVERSIBLE: pkgmgr -R /opt/altroot -n -a $ADMIN SUNWeiqu
# IRREVERSIBLE: pkgmgr -R /opt/altroot -n -a $ADMIN SUNWeiqu
# IRREVERSIBLE: pkgmgr -R /opt/altroot -n -a $ADMIN SUNWjiqu
# IRREVERSIBLE: pkgmgr -R /opt/altroot -n -a $ADMIN SUNWjiqu
# IRREVERSIBLE: pkgmgr -R /opt/altroot -n -a $ADMIN SUNWdiqu
# IRREVERSIBLE: pkgmgr -R /opt/altroot -n -a $ADMIN SUNWdiqu
# IRREVERSIBLE: pkgmgr -R /opt/altroot -n -a $ADMIN SUNWfiqu

```

```

# IRREVERSIBLE: pkgrm -R /opt/altroot -n -a $ADMIN SUNWfiqu
#####
# Finished Undo of: Installing Message Queue Localization 4.4...
#####
# IRREVERSIBLE: pkgrm -R /opt/altroot -n -a $ADMIN SUNWiqlen
# IRREVERSIBLE: pkgrm -R /opt/altroot -n -a $ADMIN SUNWiqcdv
# IRREVERSIBLE: pkgrm -R /opt/altroot -n -a $ADMIN SUNWiqcrt
# IRREVERSIBLE: pkgrm -R /opt/altroot -n -a $ADMIN SUNWiqfs
# IRREVERSIBLE: pkgrm -R /opt/altroot -n -a $ADMIN SUNWiqjx
# IRREVERSIBLE: pkgrm -R /opt/altroot -n -a $ADMIN SUNWiquum
# IRREVERSIBLE: pkgrm -R /opt/altroot -n -a $ADMIN SUNWiquc
# IRREVERSIBLE: pkgrm -R /opt/altroot -n -a $ADMIN SUNWiqdoc
# IRREVERSIBLE: pkgrm -R /opt/altroot -n -a $ADMIN SUNWiqu
# IRREVERSIBLE: pkgrm -R /opt/altroot -n -a $ADMIN SUNWiqr
#####
# Finished Undo of: Installing Message Queue 4.4...
#####
# IRREVERSIBLE: pkgrm -R /opt/altroot -n -a $ADMIN SUNWjss
# IRREVERSIBLE: pkgrm -R /opt/altroot -n -a $ADMIN SUNWtlsu
# IRREVERSIBLE: pkgrm -R /opt/altroot -n -a $ADMIN SUNWtlsd
# IRREVERSIBLE: pkgrm -R /opt/altroot -n -a $ADMIN SUNWtls
# IRREVERSIBLE: pkgrm -R /opt/altroot -n -a $ADMIN SUNWprd
# IRREVERSIBLE: pkgrm -R /opt/altroot -n -a $ADMIN SUNWpr
#####
# Finished Undo of: Installing NSPR/NSS/JSS 4.8.9...
#####
# IRREVERSIBLE: pkgrm -R /opt/altroot -n -a $ADMIN SUNWldapcsdk-tools
#####
# Finished Undo of: Installing LDAPSDK6 Tools 6.0...
#####
# IRREVERSIBLE: pkgrm -R /opt/altroot -n -a $ADMIN SUNWsas1
#####
# Finished Undo of: Installing Simple Authentication and Security Layer
2.19...
#####
# IRREVERSIBLE: pkgrm -R /opt/altroot -n -a $ADMIN SUNWicu
#####
# Finished Undo of: Installing International Components for Unicode
ICU2, ICU3...
#####
# IRREVERSIBLE: pkgrm -R /opt/altroot -n -a $ADMIN SUNWiimdv
#####
# Finished Undo of: Installing Instant Messaging API 9u2...
#####
[575 Fri Aug 08 18:23:48 root@host% /home/user/wspace/releases/ci76# ]
# cat
/opt/altroot/var/opt/CommsInstaller/logs/silent_CommsInstaller_201408081822
Silent File for CommsInstaller 7.0.6.0.0 (7.6-0.10)
# Generated on 20140808182253
#

#
# verb used to create this silent file
#
VERB=install

```

```

#
# alternate distro path if not found where comppkg resides
# and no --distro switch specified is
#
ALTDISTROPATH=/net/comms-nfs.host1.example.com/export/megan/wspace/user2/re
The installation root
#
INSTALLROOT=/opt/altroot

#
# flag to indicate whether to use alternate root install mode
#
ALROOT=yes

#
# flag to indicate whether to perform pkg overwrite if the pkg already
exists
#
PKGOVERWRITE=no

#
# flag to indicate whether to exclude OS patches
#
EXCLUDEOS=no

#
# flag to indicate whether to exclude shared components
#
EXCLUDESC=no

#
# flag to indicate that all SC should or should not be upgraded without
prompting
#
UPGRADESC=no

#
# INSTALLROOT friendly name
#
INSTALLNAME=

#
# flag to indicate whether to skip OS Level Check
#
SKIPOSLEVELCHECK=no

#
# list of components (using mnemonics)
# A ~ in front of the product indicates that only the shared
# components are installed
#
COMPONENTS=MS64 DSSETUP DAV IM IWC JISS DA NAB MS_SCHA IM_SCHA
COMPONENT_VERSIONS=
[576 Fri Aug 08 18:23:58 root@host% /home/user/wspace/releases/ci76# ]
# cat
/opt/altroot/var/opt/CommsInstaller/logs/CommsInstaller_20140808182253.log

```

```

LOGFILE started Fri Aug 8 18:22:53 2014 =====
LOGFILE = /tmp/CommsInstaller_20140808182253.log
Running /usr/bin/perl ./commpkg
-- /usr/bin/perl ./commpkg --OSversionOverride install /opt/altroot
-- ARGS:
--OSversionOverride
install
/opt/altroot
-- perl version: 5.008004 pid: 1016
-- basetime: 1407547373 Fri Aug 8 18:22:53 2014
-- scriptDir:
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76
-- LOGFILE: /tmp/CommsInstaller_20140808182253.log
CommsInstaller version 7.0.6.0.0 (7.6-0.10) built on Tue Jul 1 21:57:57
PDT 2014
-- UNAME = SunOS ARCH = sparc OS_VERS = 5.10 BITS = 64
uname -a 2>&1
SunOS host 5.10 Generic_147440-12 sun4v sparc sun4v
-- Exit status: 0
!!! ENV
$VAR1 = {
'HOME' => '/',
'PS1' => '[\\! \\d \\t \\u@\\h% \\w\\$ ]
\\$ ',
'LC_COLLATE' => '',
'LC_ALL' => '',
'CDPATH' => '...:/home/user',
'LC_NUMERIC' => '',
'MAIL' => '/var/mail/uadmin',
'TZ' => 'PST8PDT',
'PWD' => '/home/user/wspace/releases/ci76',
'LC_TIME' => '',
'LANG' => 'C',
'LC_MESSAGES' => '',
'LC_CTYPE' => '',
'LOGNAME' => 'uadmin',
'SHLVL' => '1',
'OLDPWD' => '/home/user/wspace',
'LC_MONETARY' => '',
'_' => './commpkg',
'PATH' =>
'/bin:/usr/bin:/usr/sbin:/sbin:/usr/etc::~~/bin:/opt/csw/bin:/new/local/bin:
=> '/bin/sh',
'HZ' => '',
'TERM' => 'dumb'
};
cat /etc/release 2>&1
Oracle Solaris 10 8/11 s10s_u10wos_17b SPARC
Copyright (c) 1983, 2011, Oracle and/or its affiliates. All rights
reserved.
Assembled 23 August 2011
-- Exit status: 0
-- Recognized OS_VERS
!!! comms products found in distro
$VAR1 = [
'MS64',

```

```

'DSSETUP',
'DAV',
'IM',
'IWC',
'JISS',
'DA',
'NAB',
'MS_SCHA',
'IM_SCHA'
];
!!! products found in distro, distroHasProd
$VAR1 = {
'SASL' => 1,
'IWC' => 1,
'MS64_L10N' => 0,
'MS' => 0,
'DSSETUP' => 1,
'MQ_L10N' => 1,
'ICU' => 1,
'MS64' => 1,
'LDAPCSDK6' => 1,
'DAV' => 1,
'JDK' => 0,
'CE' => 0,
'MYSQL' => 0,
'MQ' => 1,
'PATCHUTILS' => 1,
'CI' => 1,
'IMAPI' => 1,
'LDAPCSDK6_TOOLS' => 1,
'NSS' => 1,
'JISS' => 1,
'ST' => 0,
'IM' => 1,
'CS_L10N' => 0,
'RECOMMENDED' => 0,
'NAB' => 1,
'IM_L10N' => 0,
'CS_SCHA' => 0,
'LDAPJDK' => 0,
'MYSQL_MARKER' => 1,
'BZIP' => 1,
'IM_SCHA' => 1,
'MS_L10N' => 0,
'LIBCPLUSPLUS' => 1,
'MS_SCHA' => 1,
'CS' => 0,
'JHRT' => 1,
'CE_L10N' => 0,
'DA' => 1
};
!!! products with Packages found in distro, distroHasPkg
$VAR1 = {
'SASL' => 1,
'IWC' => 1,
'MS64_L10N' => 0,

```

```

'MS' => 0,
'DSSETUP' => 1,
'MQ_L10N' => 1,
'ICU' => 1,
'MS64' => 1,
'LDAPCSKD6' => 1,
'DAV' => 1,
'JDK' => 0,
'CE' => 0,
'MYSQL' => 0,
'MQ' => 1,
'PATCHUTILS' => 0,
'CI' => 1,
'IMAPI' => 1,
'LDAPCSKD6_TOOLS' => 1,
'NSS' => 1,
'JISS' => 1,
'ST' => 0,
'IM' => 1,
'CS_L10N' => 0,
'RECOMMENDED' => 0,
'NAB' => 1,
'IM_L10N' => 0,
'CS_SCHA' => 0,
'LDAPJDK' => 0,
'MYSQL_MARKER' => 1,
'BZIP' => 0,
'IM_SCHA' => 1,
'MS_L10N' => 0,
'LIBCPLUSPLUS' => 0,
'MS_SCHA' => 1,
'CS' => 0,
'JHRT' => 1,
'CE_L10N' => 0,
'DA' => 1
};
!!! products with patches found in distro, distroHasPatch
$VAR1 = {
'SASL' => 1,
'IWC' => 0,
'MS64_L10N' => 0,
'MS' => 0,
'DSSETUP' => 1,
'MQ_L10N' => 0,
'ICU' => 1,
'MS64' => 1,
'LDAPCSKD6' => 0,
'DAV' => 1,
'JDK' => 0,
'CE' => 0,
'MYSQL' => 0,
'MQ' => 0,
'PATCHUTILS' => 1,
'CI' => 0,
'IMAPI' => 1,
'LDAPCSKD6_TOOLS' => 1,

```



```

'NSS' => 1,
'JISS' => 1,
'ST' => 0,
'IM' => 1,
'CS_L10N' => 0,
'RECOMMENDED' => 0,
'NAB' => 0,
'IM_L10N' => 0,
'CS_SCHA' => 0,
'LDAPJDK' => 0,
'MYSQL_MARKER' => 0,
'BZIP' => 1,
'IM_SCHA' => 1,
'MS_L10N' => 0,
'LIBCPLUSPLUS' => 1,
'MS_SCHA' => 0,
'CS' => 0,
'JHRT' => 0,
'CE_L10N' => 0,
'DA' => 1
};
/usr/bin/pkgcond -n is_what 2>&1
can_add_driver=0
can_remove_driver=0
can_update_driver=0
is_alternative_root=0
is_boot_environment=0
is_diskless_client=0
is_global_zone=1
is_mounted_miniroot=0
is_netinstall_image=0
is_nonglobal_zone=0
is_path_writable=1
is_running_system=1
is_sparse_root_nonglobal_zone=0
is_whole_root_nonglobal_zone=0
-- Exit status: 1
/usr/bin/pkgcond -n is_global_zone 2>&1
-- Exit status: 1
/usr/bin/pkgcond -n is_sparse_root_nonglobal_zone 2>&1
-- Exit status: 0
Reading Product Files...
Reading
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
no mapFile
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
no mapFile
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
no mapFile
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
no mapFile
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i

```

[illegible]

```

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
no mapFile
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
no mapFile
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
not found, skipping...
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
not found, skipping...
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
not found, skipping...
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
not found, skipping...
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
not found, skipping...
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
not found, skipping...
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
not found, skipping...
Reading OLD
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
OLD
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
OLD
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
OLD
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
OLD
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
OLD
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
OLD
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
OLD
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
OLD
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
OLD
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
OLD
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
OLD
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
OLD
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
OLD
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
OLD
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
OLD
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
OLD

```



```

'2.0,REV=2010.07.26'
],
'3.0' => [
'SUNWiwc',
'3.0,REV=2014.06.30'
],
'1.0' => [
'SUNWiwc',
'1.0,REV=2008.07.07'
]
},
'SASL' => {
'2.19' => [
'SUNWsasl',
'2.17,REV=2004.04.06.15.24'
]
},
'MS64_L10N' => {
'6.3' => [
'SUNWmessaging-server-l10n-64',
'6.3,REV=2007.05.09'
]
},
'MS' => {
'7.3_32' => [],
'7.2_32' => [
'SUNWmessaging-server',
'7.0,REV=2008.06.20'
],
'7.5_32' => [],
'6.3_32' => [
'SUNWmsgin',
'6.0,REV=2003.10.29',
'SUNWmsgen',
'6.0,REV=2003.10.29',
'SUNWmsglb',
'6.0,REV=2003.10.29',
'SUNWmsgco',
'6.0,REV=2003.10.29',
'SUNWmsgmt',
'6.0,REV=2003.10.29',
'SUNWmsgst',
'6.0,REV=2003.10.29',
'SUNWmsgmp',
'6.0,REV=2003.10.29',
'SUNWmsgwm',
'6.0,REV=2003.10.29',
'SUNWmsgmf',
'6.0,REV=2003.10.29'
]
},
'DSSETUP' => {
'6.4' => [
'SUNWcomds',
'6.3,REV=2004.08.12'
]
}

```

```

},
'MQ_L10N' => {
'4.3' => [
'SUNwfiqu',
'4.3,REV=2008.10.27.08.57.02',
'SUNwfiquc',
'4.3,REV=2008.10.27.08.57.05',
'SUNwdiqu',
'4.3,REV=2008.10.27.08.57.55',
'SUNwdiquc',
'4.3,REV=2008.10.27.08.57.58',
'SUNwjiqu',
'4.3,REV=2008.10.27.09.00.27',
'SUNwjiquc',
'4.3,REV=2008.10.27.09.00.28',
'SUNweiqu',
'4.3,REV=2008.10.27.08.58.45',
'SUNweiquc',
'4.3,REV=2008.10.27.08.58.48',
'SUNwkiqu',
'4.3,REV=2008.10.27.08.59.36',
'SUNwkiquc',
'4.3,REV=2008.10.27.08.59.38',
'SUNwciqu',
'4.3,REV=2008.10.27.09.01.18',
'SUNwciquc',
'4.3,REV=2008.10.27.09.01.19',
'SUNwhiqu',
'4.3,REV=2008.10.27.09.02.09',
'SUNwhiquc',
'4.3,REV=2008.10.27.09.02.10'
],
'3.7' => [
'SUNwfiqu',
'3.7,REV=2006.09.28.02.20.49',
'SUNwfiquc',
'3.7,REV=2006.09.28.02.21.13',
'SUNwdiqu',
'3.7,REV=2006.09.28.02.20.38',
'SUNwdiquc',
'3.7,REV=2006.09.28.02.21.09',
'SUNwjiqu',
'3.7,REV=2006.09.02.02.06.39',
'SUNwjiquc',
'3.7,REV=2006.09.02.02.07.00',
'SUNweiqu',
'3.7,REV=2006.09.28.02.20.43',
'SUNweiquc',
'3.7,REV=2006.09.28.02.21.11',
'SUNwkiqu',
'3.7,REV=2006.09.28.02.20.59',
'SUNwkiquc',
'3.7,REV=2006.09.28.02.21.19',
'SUNwciqu',
'3.7,REV=2006.09.02.02.06.49',
'SUNwciquc',

```

```

'3.7,REV=2006.09.02.02.07.03',
'SUNWhiqu',
'3.7,REV=2006.10.28.02.59.24',
'SUNWhiquc',
'3.7,REV=2006.10.28.02.59.36'
],
'4.1' => [
'SUNWfiqu',
'4.1,REV=2007.08.02.12.38',
'SUNWfiquc',
'4.1,REV=2007.08.02.12.38',
'SUNWdiqu',
'4.1,REV=2007.08.02.12.38',
'SUNWdiquc',
'4.1,REV=2007.08.02.12.38',
'SUNWjiqu',
'4.1,REV=2007.08.02.12.38',
'SUNWjiquc',
'4.1,REV=2007.08.02.12.38',
'SUNWeiqu',
'4.1,REV=2007.08.02.12.38',
'SUNWeiquc',
'4.1,REV=2007.08.02.12.38',
'SUNWkiqu',
'4.1,REV=2007.08.02.12.38',
'SUNWkiquc',
'4.1,REV=2007.08.02.12.38',
'SUNWciqu',
'4.1,REV=2007.08.02.12.38',
'SUNWciquc',
'4.1,REV=2007.08.02.12.38',
'SUNWhiqu',
'4.1,REV=2007.08.02.12.38',
'SUNWhiquc',
'4.1,REV=2007.08.02.12.38'
],
'4.4' => [
'SUNWfiqu',
'4.4,REV=2009.10.01.09.42.14',
'SUNWfiquc',
'4.4,REV=2009.10.01.09.42.16',
'SUNWdiqu',
'4.4,REV=2009.10.01.09.42.59',
'SUNWdiquc',
'4.4,REV=2009.10.01.09.43.03',
'SUNWjiqu',
'4.4,REV=2009.10.01.09.45.16',
'SUNWjiquc',
'4.4,REV=2009.10.01.09.45.18',
'SUNWeiqu',
'4.4,REV=2009.10.01.09.43.44',
'SUNWeiquc',
'4.4,REV=2009.10.01.09.43.47',
'SUNWkiqu',
'4.4,REV=2009.10.01.09.44.30',
'SUNWkiquc',

```

```

'4.4,REV=2009.10.01.09.44.32',
'SUNWciqu',
'4.4,REV=2009.10.01.09.46.01',
'SUNWciquc',
'4.4,REV=2009.10.01.09.46.03',
'SUNWhiqu',
'4.4,REV=2009.10.01.09.46.48',
'SUNWhiquc',
'4.4,REV=2009.10.01.09.46.50'
]
},
'ICU' => {
'ICU2,ICU3' => [
'SUNWicu',
'1.2,REV=2005.01.06.14.13'
]
},
'MS64' => {
'7.5' => [
'SUNWmessaging-server-64',
'7.0,REV=2008.06.20'
],
'7.3_32' => [],
'7.5_32' => [],
'7.2_32' => [
'SUNWmessaging-server',
'7.0,REV=2008.06.20'
],
'6.3' => [
'SUNWmessaging-server-64',
'6.3,REV=2007.02.26'
],
'6.3_32' => [
'SUNWmsgin',
'6.0,REV=2003.10.29',
'SUNWmsgen',
'6.0,REV=2003.10.29',
'SUNWmsglb',
'6.0,REV=2003.10.29',
'SUNWmsgco',
'6.0,REV=2003.10.29',
'SUNWmsgmt',
'6.0,REV=2003.10.29',
'SUNWmsgst',
'6.0,REV=2003.10.29',
'SUNWmsgmp',
'6.0,REV=2003.10.29',
'SUNWmsgwm',
'6.0,REV=2003.10.29',
'SUNWmsgmf',
'6.0,REV=2003.10.29'
]
},
'DAV' => {
'7.4' => [
'SUNWdavserver',

```



```

'7.0, REV=2009.08.27'
]
},
'LDAPCS DK6' => {
'6.0' => [
'SUNWldapcsdk-libs',
'6.00, REV=2006.12.11.00.08',
'SUNWldapcsdk-dev',
'6.00, REV=2006.12.11.00.08'
]
},
'CE' => {
'6.3' => [
'SUNWuwc',
'6.1, REV=2004.04.29'
]
},
'JDK' => {
'1.6.0' => [
'SUNWj6rt',
'1.6.0, REV=2006.11.29.05.57',
'SUNWj6rtx',
'1.6.0, REV=2006.11.29.04.58',
'SUNWj6dev',
'1.6.0, REV=2006.11.29.05.57',
'SUNWj6d vx',
'1.6.0, REV=2006.11.29.04.58',
'SUNWj6cfg',
'1.6.0, REV=2006.11.29.05.57'
],
'1.5.0' => [
'SUNWj5rt',
'1.5.0, REV=2004.12.07.00.07',
'SUNWj5rtx',
'1.5.0, REV=2004.12.06.22.09',
'SUNWj5cfg',
'1.5.0, REV=2004.12.07.00.07'
]
},
'MYSQL' => {
'5.1.36' => [
'mysql',
'5.1.36'
],
'5.5.8' => [
'mysql',
'5.5.8'
]
},
'MQ' => {
'4.3' => [
'SUNWiqr',
'4.3, REV=2008.11.07.18.44',
'SUNWiqu',
'4.3, REV=2008.11.07.18.44',
'SUNWiqdoc',

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'4.3,REV=2008.11.07.18.44',
'SUNWiquc',
'4.3,REV=2008.11.07.18.44',
'SUNWiqum',
'4.3,REV=2008.11.07.18.44',
'SUNWiqjx',
'4.3,REV=2008.11.07.18.44',
'SUNWiqfs',
'4.3,REV=2008.11.07.18.44',
'SUNWiqcrt',
'4.3,REV=2008.11.07.18.44',
'SUNWiqcdv',
'4.3,REV=2008.11.07.18.44',
'SUNWiqlen',
'4.3,REV=2008.11.07.18.45'
],
'3.7' => [
'SUNWiqr',
'3.7,REV=2006.06.18.22.34',
'SUNWiqu',
'3.7,REV=2006.06.18.22.34',
'SUNWiqtpl',
'3.7,REV=2006.06.18.22.35',
'SUNWiqdoc',
'3.7,REV=2006.06.18.22.35',
'SUNWiquc',
'3.7,REV=2006.06.18.22.35',
'SUNWiqum',
'3.7,REV=2006.06.18.22.35',
'SUNWiqjx',
'3.7,REV=2006.06.18.22.35',
'SUNWiqfs',
'3.7,REV=2006.06.18.22.35',
'SUNWiqcrt',
'3.7,REV=2006.06.18.22.35',
'SUNWiqcdv',
'3.7,REV=2006.06.18.22.35',
'SUNWiqlen',
'3.7,REV=2006.06.18.22.35'
],
'4.1' => [
'SUNWiqr',
'4.1,REV=2007.07.26.10.58',
'SUNWiqu',
'4.1,REV=2007.07.26.10.58',
'SUNWiqdoc',
'4.1,REV=2007.07.26.10.58',
'SUNWiquc',
'4.1,REV=2007.07.26.10.59',
'SUNWiqum',
'4.1,REV=2007.07.26.10.59',
'SUNWiqjx',
'4.1,REV=2007.07.26.10.59',
'SUNWiqfs',
'4.1,REV=2007.07.26.10.59',
'SUNWiqcrt',

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'4.1,REV=2007.07.26.10.59',
'SUNWiqcdv',
'4.1,REV=2007.07.26.10.59'
],
'4.4' => [
'SUNWiqr',
'4.4,REV=2009.08.27.08.32',
'SUNWiqu',
'4.4,REV=2009.08.27.08.32',
'SUNWiqdoc',
'4.4,REV=2009.08.27.08.32',
'SUNWiquc',
'4.4,REV=2009.08.27.08.33',
'SUNWiqum',
'4.4,REV=2009.08.27.08.33',
'SUNWiqjx',
'4.4,REV=2009.08.27.08.33',
'SUNWiqfs',
'4.4,REV=2009.08.27.08.33',
'SUNWiqcrt',
'4.4,REV=2009.08.27.08.33',
'SUNWiqcdv',
'4.4,REV=2009.08.27.08.33',
'SUNWiqlen',
'4.4,REV=2009.08.27.08.33'
]
},
'PATCHUTILS' => {
'Unknown' => [
'SUNWpkgcmdsu',
'11.11,REV=2005.01.09.23.05',
'SUNWswmt',
'11.10,REV=2005.01.10.17.19',
'SUNWinstall-patch-utils-root',
'11.10,REV=2005.01.09.23.05',
'SUNWcsr',
'11.10.0,REV=2005.01.21.15.53',
'SUNWdtrc',
'11.10.0,REV=2005.01.21.15.53',
'SUNWzoneu',
'11.10.0,REV=2005.01.21.15.53'
]
},
'CI' => {
'7.6' => [
'SUNWcomms',
'7.6,REV=2014.07.01'
]
},
'IMAPI' => {
'8.0' => [
'SUNWiimd',
'8.0,REV=2008.12.04'
],
'7.0' => [
'SUNWiimd',

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'7.0,REV=2004.11.24.05.24.36'
],
'7.3' => [
'SUNWiimdvd',
'7.3,REV=2008.01.15'
],
'9.2' => [
'SUNWiimdvd',
'9.0,REV=2011.09.05'
]
},
'LDAPCSDK6_TOOLS' => {
'6.0' => [
'SUNWldapcsdk-tools',
'6.00,REV=2006.12.11.00.08'
]
},
'JISS' => {
'0.9' => [
'SUNWjiss-common',
'1.0,REV=2009.08.17',
'SUNWjiss-conf',
'1.0,REV=2009.08.17',
'SUNWjiss-extjars',
'1.0,REV=2009.08.17',
'SUNWjiss-indexapi',
'1.0,REV=2009.08.17',
'SUNWjiss-jmqc',
'1.0,REV=2009.08.17',
'SUNWjiss-rest',
'1.0,REV=2009.08.17',
'SUNWjiss-search',
'1.0,REV=2009.08.17',
'SUNWjiss-searchui',
'1.0,REV=2009.08.17',
'SUNWjiss-store',
'1.0,REV=2009.08.17',
'SUNWjiss-storeui',
'1.0,REV=2009.08.17'
],
'1.5' => [
'SUNWjiss',
'1.0,REV=2009.09.09'
]
},
'NSS' => {
'4.8.9' => [
'SUNWpr',
'4.6.4,REV=2006.11.16.20.40',
'SUNWprd',
'4.6.4,REV=2006.11.16.20.40',
'SUNWtls',
'3.11.4,REV=2006.11.16.20.40',
'SUNWtlsd',
'3.11.4,REV=2006.11.16.20.40',
'SUNWtlsu',

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'3.11.4,REV=2006.11.16.20.40',
'SUNWjss',
'4.2.4,REV=2006.11.16.20.40'
]
},
'CS_L10N' => {
'6.2' => [
'SUNWdeics',
'6.0,REV=2003.11.14.15.16.33',
'SUNWesics',
'6.0,REV=2003.11.14.15.16.33',
'SUNWfrics',
'6.0,REV=2003.11.14.15.16.33',
'SUNWjaics',
'6.0,REV=2003.11.14.15.16.33',
'SUNWkoics',
'6.0,REV=2003.11.14.15.16.33',
'SUNWzhics',
'6.0,REV=2003.11.14.15.16.33',
'SUNWtwics',
'6.0,REV=2003.11.14.15.16.33'
],
'6.3' => [
'SUNWics-l10n',
'6.3,REV=2007.01.05.03.20.27'
]
},
'ST' => {
'1.1.4' => [
'SUNWservicetagr',
'1.1.4,REV=2008.03.21.07.54',
'SUNWservicetagu',
'1.1.4,REV=2008.03.21.07.54',
'SUNWstosreg',
'1.1.4,REV=2008.03.21.07.54'
]
},
'IM' => {
'8.3' => [
'SUNWiim',
'8.0,REV=2008.12.04',
'SUNWiimin',
'8.0,REV=2008.12.04',
'SUNWiimm',
'8.0,REV=2008.12.04',
'SUNWiimjd',
'8.0,REV=2008.12.04',
'SUNWiimid',
'8.0,REV=2008.12.04',
'SUNWiimc',
'8.0,REV=2008.12.04',
'SUNWiimd',
'8.0,REV=2008.12.04',
'SUNWiimgw',
'8.0,REV=2008.12.04'
],

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'7.0' => [
'SUNWiimin',
'7.0,REV=2004.11.24.05.24.36',
'SUNWiim',
'7.0,REV=2004.11.24.05.24.36',
'SUNWiimm',
'7.0,REV=2004.11.24.05.24.36',
'SUNWiimjd',
'7.0,REV=2004.11.24.05.24.36',
'SUNWiimid',
'7.0,REV=2004.11.24.05.24.36',
'SUNWiimc',
'7.0,REV=2004.11.24.05.24.36',
'SUNWiimd',
'7.0,REV=2004.11.24.05.24.36'
],
'7.3' => [
'SUNWiim',
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'SUNWiimin',
'7.3,REV=2008.01.15',
'SUNWiimm',
'7.3,REV=2008.01.15',
'SUNWiimjd',
'7.3,REV=2008.01.15',
'SUNWiimid',
'7.3,REV=2008.01.15',
'SUNWiimc',
'7.3,REV=2008.01.15',
'SUNWiimd',
'7.3,REV=2008.01.15'
],
'9.2' => [
'SUNWiimin',
'9.0,REV=2011.09.05',
'SUNWiim',
'9.0,REV=2011.09.05',
'SUNWiimm',
'9.0,REV=2011.09.05',
'SUNWiimjd',
'9.0,REV=2011.09.05',
'SUNWiimid',
'9.0,REV=2011.09.05',
'SUNWiimgw',
'9.0,REV=2011.09.05',
'SUNWiimw',
'9.0,REV=2011.09.05',
'SUNWiimfed',
'9.0,REV=2011.09.05'
]
},
'RECOMMENDED' => {
'2013.02.19' => [
'SUNWckr',
'11.10.0,REV=2005.01.21.15.53',
'SUNWbzip',

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'11.10.0,REV=2005.01.08.05.16',
'SUNWpkgcmdsu',
'11.11,REV=2005.01.09.23.05'
]
},
'IM_L10N' => {
'7.2' => [
'SUNWiimc-l10n',
'7.2,REV=2006.12.19.04.40.00',
'SUNWiimd-l10n',
'7.2,REV=2006.10.26.04.19.15',
'SUNWiimid-l10n',
'7.2,REV=2006.10.26.04.19.19',
'SUNWiimin-l10n',
'7.2,REV=2006.10.26.04.19.22'
],
'7.0' => [
'SUNWdiimc',
'7.0,REV=2004.11.24.05.29',
'SUNWdiimd',
'7.0,REV=2004.11.24.05.29',
'SUNWdimid',
'7.0,REV=2004.11.24.05.29',
'SUNWeiimc',
'7.0,REV=2004.11.24.05.29',
'SUNWeiimd',
'7.0,REV=2004.11.24.05.29',
'SUNWeiimin',
'7.0,REV=2004.11.24.05.29',
'SUNWeimid',
'7.0,REV=2004.11.24.05.29',
'SUNWfiimc',
'7.0,REV=2004.11.24.05.30',
'SUNWfiimd',
'7.0,REV=2004.11.24.05.30',
'SUNWfiimin',
'7.0,REV=2004.11.24.05.30',
'SUNWfimid',
'7.0,REV=2004.11.24.05.30',
'SUNWjiimc',
'7.0,REV=2004.11.24.05.26',
'SUNWjiimd',
'7.0,REV=2004.11.24.05.26',
'SUNWjiimin',
'7.0,REV=2004.11.24.05.26',
'SUNWjimid',
'7.0,REV=2004.11.24.05.26',
'SUNWkiimc',
'7.0,REV=2004.11.24.05.26',
'SUNWkiimd',
'7.0,REV=2004.11.24.05.27',
'SUNWkiimin',
'7.0,REV=2004.11.24.05.26',
'SUNWkimid',
'7.0,REV=2004.11.24.05.27',
'SUNWciimc',

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'7.0,REV=2004.11.24.05.27',
'SUNWciimd',
'7.0,REV=2004.11.24.05.27',
'SUNWciimin',
'7.0,REV=2004.11.24.05.27',
'SUNWcimid',
'7.0,REV=2004.11.24.05.27',
'SUNWhiimc',
'7.0,REV=2004.11.24.05.28',
'SUNWhiimd',
'7.0,REV=2004.11.24.05.28',
'SUNWhiimin',
'7.0,REV=2004.11.24.05.28',
'SUNWhimid',
'7.0,REV=2004.11.24.05.28'
],
},
'NAB' => {
'8.0' => [
'SUNWnabserver',
'8.0,REV=2014.05.22'
],
},
'CS_SCHA' => {
'6.0' => [
'SUNWscics',
'6.0,REV=2003.11.14'
],
'6.3' => [
'SUNWscics',
'6.3,REV=2008.03.31.18.10.20'
],
},
'LDAPJDK' => {
'4.21' => [
'SUNWljdk',
'1.0,REV=2004.10.11.06.02'
],
},
'BZIP' => {
'11.10' => [
'SUNWbzip',
'11.10.0,REV=2005.01.08.05.16'
],
},
'MYSQL_MARKER' => {
'1.1' => [
'SUNWcomms-mysql-marker',
'1.1,REV=2011.09.09'
],
'1.0' => [
'SUNWcomms-mysql-marker',
'1.0,REV=2009.09.09'
],
},
'IM_SCHA' => {

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'7.0' => [
'SUNWiimsc',
'7.0,REV=2005.08.03.09.41.41'
],
'7.3' => [
'SUNWiimsc',
'7.3,REV=2008.01.07.20.24.34'
]
},
'MS_L10N' => {
'6.2' => [
'SUNWmsgde',
'6.0,REV=2003.10.10',
'SUNWmsges',
'6.0,REV=2003.10.10',
'SUNWmsgfr',
'6.0,REV=2003.10.10',
'SUNWmsgja',
'6.0,REV=2003.10.10',
'SUNWmsgko',
'6.0,REV=2003.10.10',
'SUNWmsgzh',
'6.0,REV=2003.10.10',
'SUNWmsgtw',
'6.0,REV=2003.10.10'
],
'6.3' => [
'SUNWmsg-l10n',
'6.3,REV=2006.12.20'
]
},
'LIBCPLUSPLUS' => {
'5.9' => [
'SUNWlibc',
'5.10,REV=2004.12.22'
]
},
'MS_SCHA' => {
'6.0' => [
'SUNWscims',
'6.0,REV=2003.10.29'
],
'7.0' => [
'SUNWmessaging-server-scha',
'7.0,REV=2008.05.19'
]
},
'CS' => {
'6.3' => [
'SUNWics5',
'6.0,REV=2003.11.14.18.12.58',
'SUNWica5',
'6.0,REV=2003.11.14.18.12.58'
]
},
'JHRT' => {

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'2.0' => [
'SUNWjhrt',
'2.0, REV=2006.10.31',
'SUNWjhdev',
'2.0, REV=2006.10.04',
'SUNWjhdem',
'2.0, REV=2006.10.04',
'SUNWjhdoc',
'2.0, REV=2006.10.04'
],
},
'CE_L10N' => {
'6.2' => [
'SUNWduwc',
'6.1, REV=2004.04.23',
'SUNWeuwc',
'6.1, REV=2004.04.23',
'SUNWfuwc',
'6.1, REV=2004.04.23',
'SUNWjuwc',
'6.1, REV=2004.04.23',
'SUNWkuwc',
'6.1, REV=2004.04.23',
'SUNWcuwc',
'6.1, REV=2004.04.23',
'SUNWhuwc',
'6.1, REV=2004.04.23'
],
'6.3' => [
'SUNWuwc-l10n',
'6.1, REV=2006.12.14.03.02.41'
],
},
'DA' => {
'6.4' => [
'SUNWcomic',
'1.0, REV=2003.10.29',
'SUNWcomis',
'1.0, REV=2003.10.29'
],
'7.0' => [
'SUNWcommda',
'7.0, REV=2009.03.31'
],
},
};
===== QQQ findGetVersion =====
!!! getVersion
$VAR1 = {
'SASL' => 'none',
'IWC' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/s
=> 'none',
'MS' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/s
=>

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'/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/9
=> 'none',
'ICU' => 'none',
'MS64' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/9
=>
'/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/9
=> 'none',
'CE' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/9
=> 'none',
'MYSQL' => 'none',
'PATCHUTILS' => 'none',
'MQ' => 'none',
'IMAPI' => 'none',
'CI' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/9
=> 'none',
'JISS' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/9
=> 'none',
'CS_L10N' => 'none',
'IM' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/9
=> 'none',
'RECOMMENDED' => 'none',
'IM_L10N' => 'none',
'NAB' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/9
=>
'/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/9
=> 'none',
'BZIP' => 'none',
'MYSQL_MARKER' => 'none',
'IM_SCHA' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/9
=> 'none',
'LIBCPLUSPLUS' => 'none',
'MS_SCHA' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/9
=>
'/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/9
=> 'none',
'CE_L10N' => 'none',
'DA' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/9
prod_getVers
$VAR1 = {
'SASL' => 0,
'IWC' => '3.0-1.0022',
'MS64_L10N' => 0,
'MS' => '7.2-7.02',
'DSSETUP' => '6.4-26.01',
'MQ_L10N' => 0,
'ICU' => 0,
'MS64' => '7.5-31.0',

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'DAV' => '7.4-15.10',
'LDAPCSDK6' => 0,
'CE' => '6.3-13.01',
'JDK' => 0,
'MYSQL' => 0,
'PATCHUTILS' => 0,
'MQ' => 0,
'IMAPI' => 0,
'CI' => '7.6-0.10',
'LDAPCSDK6_TOOLS' => 0,
'JISS' => '1.5-22.11300',
'NSS' => 0,
'CS_L10N' => 0,
'IM' => '9.2-06.7',
'ST' => 0,
'RECOMMENDED' => 0,
'IM_L10N' => 0,
'NAB' => '8.0-0.52',
'CS_SCHA' => '6.3-1.01',
'LDAPJDK' => 0,
'BZIP' => 0,
'MYSQL_MARKER' => 0,
'IM_SCHA' => '7.3-01.02',
'MS_L10N' => 0,
'LIBCPLUSPLUS' => 0,
'MS_SCHA' => '7.0-0.03',
'CS' => '6.3-32.01',
'JHRT' => 0,
'CE_L10N' => 0,
'DA' => '7.0-9.00'
};
!!! prod_orclVers
$VAR1 = {
'SASL' => 0,
'IWC' => '3.0.0.1.0',
'MS64_L10N' => 0,
'MS' => '\\Unrecognized Parameter\\',
'DSSETUP' => '6.4.0.26.0',
'MQ_L10N' => 0,
'ICU' => 0,
'MS64' => '7.0.5.31.0',
'DAV' => '7.0.4.15.0',
'LDAPCSDK6' => 0,
'CE' => '\\Unrecognized Parameter\\',
'JDK' => 0,
'MYSQL' => 0,
'PATCHUTILS' => 0,
'MQ' => 0,
'IMAPI' => 0,
'CI' => '7.0.6.0.0',
'LDAPCSDK6_TOOLS' => 0,
'JISS' => '1.0.5.22.0',
'NSS' => 0,
'CS_L10N' => 0,
'IM' => '9.0.2.6.0',
'ST' => 0,

```

```

'RECOMMENDED' => 0,
'IM_L10N' => 0,
'NAB' => '8.0.0.0.0',
'CS_SCHA' => '\Unrecognized Parameter\'',
'LDAPJDK' => 0,
'BZIP' => 0,
'MYSQL_MARKER' => 0,
'IM_SCHA' => '\Unrecognized Parameter\'',
'MS_L10N' => 0,
'LIBCPLUSPLUS' => 0,
'MS_SCHA' => '\Unrecognized Parameter\'',
'CS' => '\Unrecognized Parameter\'',
'JHRT' => 0,
'CE_L10N' => 0,
'DA' => '7.0.0.9.0'
};
!!! prod_builddate
$VAR1 = {
'SASL' => 'none',
'IWC' => '20140630',
'MS64_L10N' => 'none',
'MS' => '20090416',
'DSSETUP' => '20140418',
'MQ_L10N' => 'none',
'ICU' => 'none',
'MS64' => '20140505',
'DAV' => '20140425',
'LDAPCSDK6' => 'none',
'CE' => '20090327',
'JDK' => 'none',
'MYSQL' => 'none',
'PATCHUTILS' => 'none',
'MQ' => 'none',
'IMAPI' => 'none',
'CI' => '20140701',
'LDAPCSDK6_TOOLS' => 'none',
'JISS' => '20140528',
'NSS' => 'none',
'CS_L10N' => 'none',
'IM' => '20140625',
'ST' => 'none',
'RECOMMENDED' => 'none',
'IM_L10N' => 'none',
'NAB' => '20140522',
'CS_SCHA' => '20080331',
'LDAPJDK' => 'none',
'BZIP' => 'none',
'MYSQL_MARKER' => 'none',
'IM_SCHA' => '20080403',
'MS_L10N' => 'none',
'LIBCPLUSPLUS' => 'none',
'MS_SCHA' => '20080519',
'CS' => '20120921',
'JHRT' => 'none',
'CE_L10N' => 'none',
'DA' => '20140106'
}

```

```

};
===== End QQQ findGetVersion =====
INFO: prod_mktVers{NSS} (no map) = 4.8.9
INFO: prod_mktVers{SASL} (no map) = 2.19
INFO: prod_mktVers{LDAPCSDK6} (no map) = 6.0
INFO: prod_mktVers{LDAPCSDK6_TOOLS} (no map) = 6.0
INFO: prod_mktVers{ICU} (no map) = ICU2,ICU3
INFO: prod_mktVers{JDK} (no map) = 1.6.0
INFO: prod_mktVers{JHRT} (no map) = 2.0
INFO: prod_mktVers{MQ} (no map) = 4.4
INFO: prod_mktVers{MQ_L10N} (no map) = 4.4
INFO: prod_mktVers{LDAPJDK} (no map) = 4.21
INFO: prod_mktVers{IMAPI} (w/ map) = 9u2
INFO: prod_mktVers{LIBCPLUSPLUS} (no map) = 5.9
INFO: prod_mktVers{PATCHUTILS} (no map) = Unknown
INFO: prod_mktVers{BZIP} (no map) = 11.10
INFO: prod_mktVers{RECOMMENDED} (no map) = 2013.02.19
INFO: prod_mktVers{MYSQL_MARKER} (w/ map) = 1.1
INFO: prod_mktVers{MYSQL} (w/ map) = 5.5.8
INFO: prod_mktVers{ST} (no map) = 1.1.4
INFO: prod_mktVers{CI} (w/ map) = 7u6
INFO: prod_mktVers{MS64} (w/ map) = 7u5
INFO: prod_mktVers{DSSETUP} (w/ map) = 6.4
INFO: prod_mktVers{DAV} (w/ map) = 7u4
INFO: prod_mktVers{IM} (w/ map) = 9u2
INFO: prod_mktVers{IWC} (w/ map) = 3
INFO: prod_mktVers{JISS} (w/ map) = 1u5
INFO: prod_mktVers{DA} (w/ map) = 7
INFO: prod_mktVers{NAB} (w/ map) = 8
INFO: prod_mktVers{MS_SCHA} (no map) = 7.0
INFO: prod_mktVers{IM_SCHA} (no map) = 7.3

```

Welcome to the Oracle Communications Unified Communications Suite Product Installer

This program will install selected components of the Communications Suite on your computer. Do note that the installer lays down the bits, but does not do configuration. Separate configuration steps for each individual product will be required.

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```

=====
INFO: altroot mode is activated.
-- Creating /opt/altroot
-- Setting owner:group for /opt/altroot to bin:bin
/bin/chown bin:bin /opt/altroot 2>&1
-- Exit status: 0
-- Setting permission for /opt/altroot to 755
/bin/chmod 755 /opt/altroot 2>&1
-- Exit status: 0
=====
mkdir -p /opt/altroot/var/sadm/system/admin 2>&1
-- Exit status: 0
ln -s /var/sadm/system/admin/INST_RELEASE

```

```

/opt/altroot/var/sadm/system/admin/INST_RELEASE 2>&1
-- Exit status: 0
mkdir -m 1777 -p /opt/altroot/var/tmp 2>&1
-- Exit status: 0
Detecting Installed Products...
Checking LIBCPLUSPLUS 5.9 ...
Checking pkg SUNWlibc...pkgparam -v SUNWlibc 2>&1
CLASSES='none'
BASEDIR='/'
PATCH_INFO_119963-29='Installed: Saturday, October 5, 2013 03:05:09 PM
UTC From: host Obsoletes: Requires: Incompatibles:'
SCRIPTS_DIR='/opt/SunProd/studio12u3/solarisstudio12.3-148921-08/patches/11
Sat Nov 3 00:38:56 PDT 2012 From: host Obsoletes: Requires:
Incompatibles:'
INTERRUPTION='no'
PATCH_UNDO_ARCHIVE='none'
PATCH_BUILD_DIR='none'
PATCH_NO_UNDO='false'
PATCH_UNCONDITIONAL='false'
UPDATE='yes'
INSTDATE='Oct 05 2013 15:05'
PATCH_INFO_119963-24='Installed: Tue Aug 23 11:20:49 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCHLIST='119963-24 119963-27 119963-29'
LC_ALL=''
PKGSAB=' /var/sadm/pkg/SUNWlibc/save'
PKGINST='SUNWlibc'
SUNW_PATCHID='119963-29'
PSTAMP='ouioui20041222170548'
VERSION='5.10,REV=2004.12.22'
SUNW_PRODVERS='5.10'
VENDOR='Oracle Corporation'
SUNW_PKGVERS='1.0'
SUNW_PRODNAME='SunOS'
SUNW_PKGTYPE='usr'
PKG='SUNWlibc'
NAME='Sun Workshop Compilers Bundled libc'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun Workshop Compilers Bundled libc'
CATEGORY='system'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='UTC'
LANG='en_US.ISO8859-1'
LC_MONETARY='en_US.ISO8859-1'
LC_MESSAGES='C'
LC_COLLATE='en_US.ISO8859-1'
LC_TIME='en_US.ISO8859-1'
LC_NUMERIC='en_US.ISO8859-1'
LC_CTYPE='en_US.ISO8859-1'

```

```

-- Exit status: 0
present.
LIBCPLUSPLUS 5.9 is already present.
Checking PATCHUTILS Unknown ...
Checking pkg SUNWpkgcmds...pkgparam -v SUNWpkgcmds 2>&1
CLASSES='none'
BASEDIR='/'
LC_CTYPE=''
LC_NUMERIC=''
LC_TIME=''
LC_COLLATE=''
LC_MESSAGES=''
LC_MONETARY=''
LC_ALL=''
LANG='C'
TZ='PST8PDT'
PKG_CLIENT_OS='Solaris'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_REVISION='0'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
OAMBASE='/usr/sadm/sysadm'
PKG='SUNWpkgcmds'
NAME='SVr4 packaging commands (usr)'
ARCH='sparc'
VERSION='11.11, REV=2005.01.09.23.05'
SUNW_PRODNAME='SunOS'
SUNW_PRODVERS='5.10'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
SUNW_OBSOLETES=''
MAXINST='1000'
CATEGORY='system'
DESC='Solaris 2.x System V Release IV Packaging Commands (usr)'
VENDOR='Oracle Corporation'
HOTLINE='Please contact your local service provider'
EMAIL=''
SUNW_REQUIRES='121133-02'
SUNW_INCOMPAT=''
SUNW_PATCHID='119254-88'
PSTAMP='on10-adms-patch20121113171249'
PKGINST='SUNWpkgcmds'
PKGSAB=' /var/sadm/pkg/SUNWpkgcmds/save'
PATCHLIST='119317-01 119254-81 125978-08 800130-03 800214-05 119254-88'
INSTDATE='Feb 12 2013 15:55'
UPDATE='yes'
PATCH_NO_UNDO='false'
SCRIPTS_DIR='/export/lim/work/ci_tip/comms/comp/SunOS5.10_DBG.OBJ/release/S
119254-81 125978-08 800130-03 800214-05 119254-88'
INTERRUPTION='no'
PATCH_UNDO_ARCHIVE='none'
PATCH_BUILD_DIR='none'
PATCH_UNCONDITIONAL='false'
ACTIVE_PATCH='119254-88'
ACTIVE_OBSOLETES='119015-03'
PATCH_INFO_119317-01='Installed: Tue Aug 23 11:16:31 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'

```



```

PATCH_INFO_119254-81='Installed: Tue Aug 23 11:37:32 PDT 2011 From:
fern-re Obsoletes: 119015-03 Requires: 121133-02 Incompatibles:'
PATCH_INFO_125978-08='Installed: Tue Aug 23 12:52:12 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800130-03='Installed: Tue Aug 23 13:44:26 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800214-05='Installed: Tue Aug 23 14:58:34 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_119254-88='Installed: Tue Feb 12 15:55:02 PST 2013 From: host
Obsoletes: 119015-03 Requires: 121133-02 Incompatibles:'
-- Exit status: 0
present.
Checking pkg SUNWswmt...pkgparam -v SUNWswmt 2>&1
CLASSES='none'
BASEDIR='/'
PATCH_INFO_119254-88='Installed: Tue Feb 12 15:55:10 PST 2013 From: host
Obsoletes: 119015-03 Requires: 121133-02 Incompatibles:'
PATCH_INFO_800214-05='Installed: Tue Aug 23 14:58:40 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800130-03='Installed: Tue Aug 23 13:44:33 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_125978-08='Installed: Tue Aug 23 12:52:13 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_120746-01='Installed: Tue Aug 23 12:35:58 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_119254-81='Installed: Tue Aug 23 11:37:32 PDT 2011 From:
fern-re Obsoletes: 119015-03 Requires: 121133-02 Incompatibles:'
ACTIVE_OBSOLETES='119015-03'
ACTIVE_PATCH='119254-88'
INTERRUPTION='no'
PATCH_UNDO_ARCHIVE='none'
PATCH_BUILD_DIR='none'
PATCH_UNCONDITIONAL='false'
OLDLIST='119254-81 120746-01 125978-08 800130-03 800214-05 119254-88'
SCRIPTS_DIR='/export/lim/work/ci_tip/comms/comp/SunOS5.10_DBG.OBJ/release/s
12 2013 15:55'
PATCHLIST='119254-81 120746-01 125978-08 800130-03 800214-05 119254-88'
PKGSAB=' /var/sadm/pkg/SUNWswmt/save'
PKGINST='SUNWswmt'
PSTAMP='on10-adms-patch20121113171250'
SUNW_PATCHID='119254-88'
SUNW_INCOMPAT=''
SUNW_REQUIRES='121133-02'
EMAIL=''
HOTLINE='Please contact your local service provider'
VENDOR='Oracle Corporation'
DESC='Solaris 2.x Install and Patch Utilities'
CATEGORY='system'
MAXINST='1000'
SUNW_OBSOLETES=''
SUNW_PKGTYPE='usr'
SUNW_PKGVERS='1.0'
SUNW_PRODVERS='5.10'
SUNW_PRODNAME='SunOS'
VERSION='11.10,REV=2005.01.10.17.19'
ARCH='sparc'

```

```

NAME='Install and Patch Utilities'
PKG='SUNWswmt'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWinstall-patch-utils-root...pkgparam -v
SUNWinstall-patch-utils-root 2>&1
CLASSES='none rbac manifest preserve'
BASEDIR='/'
LC_CTYPE=''
LC_NUMERIC=''
LC_TIME=''
LC_COLLATE=''
LC_MESSAGES=''
LC_MONETARY=''
LC_ALL=''
LANG='C'
TZ='PST8PDT'
PKG_CLIENT_OS='Solaris'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_REVISION='0'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
OAMBASE='/usr/sadm/sysadm'
PKG='SUNWinstall-patch-utils-root'
NAME='Install and Patch Utilities (root)'
ARCH='sparc'
VERSION='11.10,REV=2005.01.09.23.05'
SUNW_PRODNAME='SunOS'
SUNW_PRODVERS='5.10'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='root'
SUNW_OBSOLETES=''
MAXINST='1000'
CATEGORY='system'
DESC='Install and Patch Utilities (root)'
VENDOR='Oracle Corporation'
HOTLINE='Please contact your local service provider'
EMAIL=''
SUNW_REQUIRES='121133-02'
SUNW_INCOMPAT=''
SUNW_PATCHID='119254-88'
PSTAMP='on10-adms-patch20121113171247'
PKGINST='SUNWinstall-patch-utils-root'

```

```

PKGSABV='/var/sadm/pkg/SUNWinstall-patch-utils-root/save'
PATCH_UNCONDITIONAL='false'
PATCH_BUILD_DIR='none'
PATCH_UNDO_ARCHIVE='none'
INTERRUPTION='no'
OLDLIST='119254-81 125978-08 800128-01 800130-03 800214-05 119254-88'
ACTIVE_PATCH='119254-88'
ACTIVE_OBSOLETES='119015-03'
PATCHLIST='119254-81 125978-08 800128-01 800130-03 800214-05 119254-88'
INSTDATE='Feb 12 2013 15:55'
UPDATE='yes'
PATCH_NO_UNDO='false'
SCRIPTS_DIR='/export/lim/work/ci_tip/comms/comp/SunOS5.10_DBG.OBJ/release/s
Tue Aug 23 11:37:31 PDT 2011 From: fern-re Obsoletes: 119015-03
Requires: 121133-02 Incompatibles:'
PATCH_INFO_125978-08='Installed: Tue Aug 23 12:52:11 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800128-01='Installed: Tue Aug 23 13:43:44 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800130-03='Installed: Tue Aug 23 13:43:56 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800214-05='Installed: Tue Aug 23 14:58:17 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_119254-88='Installed: Tue Feb 12 15:55:00 PST 2013 From: host
Obsoletes: 119015-03 Requires: 121133-02 Incompatibles:'
-- Exit status: 0
present.
Checking pkg SUNWcsr...pkgparam -v SUNWcsr 2>&1
CLASSES='none initd renamenew preserve cronroot passwd tiservices
inetdconf definit etcremote nsswitch netconfig deflogin defsu syslogconf
ttypsrch group inittab etcrcp etcprofile mailxrc shadow voldconf rmmconf
locallogin localprofile logadmconf nsd fstypes pamconf services rbac
renameold dhcpinittab policyconf pkcs11confbase defpasswd vfstab
manifest ttydefs dhcpagent hosts ipsecalgbase sock2path defkbd'
BASEDIR='/'
LANG=''
TZ='UTC'
PKG_CLIENT_OS='Solaris'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_REVISION='0'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
OAMBASE='/usr/sadm/sysadm'
PKG='SUNWcsr'
NAME='Core Solaris, (Root)'
ARCH='sparc'
VERSION='11.10.0, REV=2005.01.21.15.53'
SUNW_PRODNAME='SunOS'
SUNW_PRODVERS='5.10/Generic'
SUNW_PKGTYPE='root'
SUNW_OBSOLETES=''
MAXINST='1000'
CATEGORY='system'
DESC='core software for a specific instruction-set architecture'
VENDOR='Oracle Corporation'
HOTLINE='Please contact your local service provider'
EMAIL=''

```

```

SUNW_PKGVERS='1.0'
SUNW_PKG_ALLZONES='true'
SUNW_PKG_HOLLOW='false'
SUNW_REQUIRES='118833-36 120011-14 121133-02 125555-10 127127-11
137137-09 139555-08 141444-09 142909-17 142933-04 144500-19'
SUNW_INCOMPAT=''
SUNW_PATCHID='147440-12'
PSTAMP='on10-patch20120207154903'
PKGINST='SUNWcsr'
PKGSAB=' /var/sadm/pkg/SUNWcsr/save'
PKG_NO_UNIFIED='TRUE'
PATCHLIST='118918-24 120900-04 121133-02 124188-03 125547-02 125891-01
126897-02 137093-01 137097-01 137274-01 140796-01 140860-02 141016-01
141032-01 141496-01 142251-02 142292-01 142911-01 144526-01 144647-01
145959-01 146292-01 146673-01 147186-01 121453-02 138217-01 138866-03
118833-36 121561-04 122640-05 123912-02 125503-02 127755-01 138766-01
139962-02 145120-01 120011-14 127127-11 128402-02 137115-01 137137-09
138181-01 139555-08 141444-09 141900-01 142909-17 143513-02 143609-03
143954-04 144039-02 144500-19 144909-02 145019-01 146476-01 119079-13
121061-01 121778-12 121780-12 123259-12 125095-15 125888-01 138287-07
138289-07 800111-04 800113-04 800120-08 800122-08 800151-15 800153-15
800200-15 800202-16 144526-02 147440-12'
PATCH_INFO_118918-24='Installed: Tue Aug 23 11:14:25 PDT 2011 From:
fern-re Obsoletes: 116781-02 119012-03 121282-02 121284-02 121292-01
121473-01 121476-01 121478-01 121786-01 123444-01 Requires:
Incompatibles:'
PATCH_INFO_120900-04='Installed: Tue Aug 23 11:22:23 PDT 2011 From:
fern-re Obsoletes: 121266-01 Requires: Incompatibles:'
PATCH_INFO_121133-02='Installed: Tue Aug 23 11:22:28 PDT 2011 From:
fern-re Obsoletes: 121333-03 Requires: 120900-04 Incompatibles:'
PATCH_INFO_124188-03='Installed: Tue Aug 23 11:27:58 PDT 2011 From:
fern-re Obsoletes: 123881-01 Requires: Incompatibles:'
PATCH_INFO_125547-02='Installed: Tue Aug 23 11:28:56 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_125891-01='Installed: Tue Aug 23 11:29:15 PDT 2011 From:
fern-re Obsoletes: 121265-03 125476-02 Requires: Incompatibles:'
PATCH_INFO_126897-02='Installed: Tue Aug 23 11:29:49 PDT 2011 From:
fern-re Obsoletes: 123426-05 123839-07 Requires: 119578-30
Incompatibles:'
PATCH_INFO_137093-01='Installed: Tue Aug 23 11:30:19 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_137097-01='Installed: Tue Aug 23 11:30:20 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_137274-01='Installed: Tue Aug 23 11:30:28 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_140796-01='Installed: Tue Aug 23 11:34:11 PDT 2011 From:
fern-re Obsoletes: 126419-02 Requires: Incompatibles:'
PATCH_INFO_140860-02='Installed: Tue Aug 23 11:34:13 PDT 2011 From:
fern-re Obsoletes: 119267-01 119574-02 Requires: Incompatibles:'
PATCH_INFO_141016-01='Installed: Tue Aug 23 11:34:14 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_141032-01='Installed: Tue Aug 23 11:34:15 PDT 2011 From:
fern-re Obsoletes: 141717-01 Requires: Incompatibles:'
PATCH_INFO_141496-01='Installed: Tue Aug 23 11:34:18 PDT 2011 From:
fern-re Obsoletes: 141726-01 Requires: Incompatibles:'
PATCH_INFO_142251-02='Installed: Tue Aug 23 11:34:24 PDT 2011 From:

```

```

fern-re Obsoletes: 121004-04 138253-02 139969-02 Requires:
Incompatibles:
PATCH_INFO_142292-01='Installed: Tue Aug 23 11:34:24 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:
PATCH_INFO_142911-01='Installed: Tue Aug 23 11:34:28 PDT 2011 From:
fern-re Obsoletes: 143055-01 Requires: Incompatibles:
PATCH_INFO_144526-01='Installed: Tue Aug 23 11:35:13 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:
PATCH_INFO_144647-01='Installed: Tue Aug 23 11:35:15 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:
PATCH_INFO_145959-01='Installed: Tue Aug 23 11:36:49 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:
PATCH_INFO_146292-01='Installed: Tue Aug 23 11:37:09 PDT 2011 From:
fern-re Obsoletes: 126314-01 126649-02 138854-01 Requires:
Incompatibles:
PATCH_INFO_146673-01='Installed: Tue Aug 23 11:37:13 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:
PATCH_INFO_147186-01='Installed: Tue Aug 23 11:37:25 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:
PATCH_INFO_121453-02='Installed: Tue Aug 23 11:38:18 PDT 2011 From:
fern-re Obsoletes: 120776-03 121086-02 119107-07 Requires: 119574-02
119254-06 Incompatibles:
PATCH_INFO_138217-01='Installed: Tue Aug 23 11:38:52 PDT 2011 From:
fern-re Obsoletes: 119042-11 Requires: 119254-51 Incompatibles:
PATCH_INFO_138866-03='Installed: Tue Aug 23 11:39:08 PDT 2011 From:
fern-re Obsoletes: Requires: 125555-01 126419-02 Incompatibles:
PATCH_INFO_118833-36='Installed: Tue Aug 23 11:41:57 PDT 2011 From:
fern-re Obsoletes: 118822-30 118348-01 118868-01 120996-02 121298-01
119712-04 119852-03 119943-01 119984-03 120052-03 120196-02 121000-05
117170-01 117461-08 118370-04 118375-07 118852-07 118874-02 118911-01
118913-02 118927-02 118996-04 119216-02 119218-02 119374-13 119444-03
119557-09 119568-02 119569-02 119572-01 119596-03 119681-08 119687-02
119689-08 119715-10 119828-05 119939-01 119941-03 119992-02 119994-01
119996-01 120009-01 120030-03 120034-01 120054-02 120083-01 120251-02
120254-03 120258-02 120300-01 120362-02 120627-01 121237-01 121266-01
121268-01 121276-03 121280-01 121301-02 121777-01 121784-01 121788-02
121790-01 121792-01 121794-02 121796-01 121798-01 121800-01 121802-01
121804-01 121806-01 121808-01 121810-01 121812-01 121814-01 121816-01
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121944-03 122363-02 122537-02 123360-01 123398-02 123564-01 123712-01
123836-01 123915-01 124235-03 124252-03 124256-06 125016-02 125037-06
125043-01 125081-16 125122-01 125131-01 125169-01 125196-05 125202-01
125251-02 125253-01 125367-03 125380-02 125382-01 125418-01 125482-03
125484-04 125490-02 125501-01 125553-03 125890-03 125899-01 125917-03
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126670-01 126672-02 126916-01 127111-11 127716-01 127718-05 127728-06
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127880-02 127918-02 127966-01 127982-01 127984-02 127990-02 127992-01
128002-01 128028-03 128030-03 128314-01 128404-01 128500-01 136718-01
136887-01 137044-01 137082-01 137113-01 Requires: 118731-01 118833-36
118918-24 119042-09 119254-51 119578-30 120011-14 120900-04 121133-02
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140077-01 140142-01 140173-01 140194-04 140196-01 140197-01 140334-01
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 141540-01 141546-01 141554-01 141556-01 141560-02 141690-02 141692-01
 141694-02 141715-03 141721-03 141729-01 141731-01 141733-04 141736-05
 141742-04 141743-04 141767-01 141770-01 141771-01 141775-01 141777-01
 141781-02 141892-01 141894-01 141902-02 141908-01 141918-01 141920-03
 141934-01 142004-01 142013-01 142051-01 142056-02 142246-01 142284-01
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 119254-41 119578-30 120011-14 120900-04 121133-02 121901-01 121921-02
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Incompatibles:
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PATCH_INFO_121778-12='Installed: Tue Aug 23 12:36:18 PDT 2011 From:
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PATCH_INFO_121780-12='Installed: Tue Aug 23 12:36:27 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:
PATCH_INFO_123259-12='Installed: Tue Aug 23 12:36:47 PDT 2011 From:
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PATCH_INFO_125095-15='Installed: Tue Aug 23 12:40:06 PDT 2011 From:
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PATCH_INFO_125888-01='Installed: Tue Aug 23 12:52:06 PDT 2011 From:
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PATCH_INFO_138287-07='Installed: Tue Aug 23 12:55:26 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:
PATCH_INFO_138289-07='Installed: Tue Aug 23 13:07:30 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:
PATCH_INFO_800111-04='Installed: Tue Aug 23 13:11:38 PDT 2011 From:
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PATCH_INFO_800113-04='Installed: Tue Aug 23 13:25:04 PDT 2011 From:
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PATCH_INFO_800120-08='Installed: Tue Aug 23 13:28:17 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:
PATCH_INFO_800122-08='Installed: Tue Aug 23 13:43:20 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:
PATCH_INFO_800151-15='Installed: Tue Aug 23 13:47:24 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:
PATCH_INFO_800153-15='Installed: Tue Aug 23 14:02:40 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:
PATCH_INFO_800200-15='Installed: Tue Aug 23 14:41:55 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:
PATCH_INFO_800202-16='Installed: Tue Aug 23 14:57:45 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:
MODIFIED_AFTER_INSTALLED=''
INSTDATE='Jun 13 2012 04:25'
UPDATE='yes'
PATCH_UNCONDITIONAL='false'
PATCH_NO_UNDO='true'
PATCH_BUILD_DIR='none'
PATCH_UNDO_ARCHIVE='none'
INTERRUPTION='no'
PATCH_INFO_144526-02='Installed: Wed Jun 13 04:19:24 UTC 2012 From: host
Obsoletes: Requires: 125555-11 Incompatibles:
SCRIPTS_DIR='/tmp/patch_sol_set/10_Recommended/11282011/patches/147440-12/5
125902-02 137276-01 140383-01 140563-03 141590-02 141765-01 143941-02
144534-02 146279-01 146281-01 146283-01 146294-03 146320-03 146322-01
146575-03 146767-02 147012-02 147157-02 147258-01 147268-01 147436-01
147699-01 147701-01 147713-01 147770-01 148229-01'
PATCH_INFO_147440-12='Installed: Wed Jun 13 04:25:06 UTC 2012 From: host
Obsoletes: 125804-01 125902-02 137276-01 140383-01 140563-03 141590-02
141765-01 143941-02 144534-02 146279-01 146281-01 146283-01 146294-03

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146320-03 146322-01 146575-03 146767-02 147012-02 147157-02 147258-01
147268-01 147436-01 147699-01 147701-01 147713-01 147770-01 148229-01
Requires: 118833-36 120011-14 121133-02 125555-10 127127-11 137137-09
139555-08 141444-09 142909-17 142933-04 144500-19 Incompatibles: '
-- Exit status: 0
present.
Checking pkg SUNWdtrc...pkgparam -v SUNWdtrc 2>&1
CLASSES='none'
BASEDIR='/'
LANG=''
TZ='UTC'
PKG_CLIENT_OS='Solaris'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_REVISION='0'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
OAMBASE='/usr/sadm/sysadm'
PKG='SUNWdtrc'
NAME='DTrace Clients'
ARCH='sparc'
VERSION='11.10.0, REV=2005.01.21.15.53'
SUNW_PRODNAME='SunOS'
SUNW_PRODVERS='5.10/Generic'
SUNW_PKGTYPE='usr'
SUNW_OBSOLETES=''
MAXINST='1000'
CATEGORY='system'
DESC='Dynamic Tracing (DTrace) Clients'
VENDOR='Oracle Corporation'
HOTLINE='Please contact your local service provider'
EMAIL=''
SUNW_PKGVERS='1.0'
SUNW_PKG_ALLZONES='true'
SUNW_PKG_HOLLOW='false'
SUNW_REQUIRES='118833-36 120011-14 121133-02 125555-10 127127-11
137137-09 139555-08 141444-09 142909-17 142933-04 144500-19'
SUNW_INCOMPAT=''
SUNW_PATCHID='147440-12'
PSTAMP='on10-patch20120207154906'
PKGINST='SUNWdtrc'
PKGSAB=' /var/sadm/pkg/SUNWdtrc/save'
PKG_NO_UNIFIED='TRUE'
PATCHLIST='120900-04 118833-36 120011-14 127127-11 137137-09 139555-08
141444-09 142909-17 144500-19 146575-03 125095-15 138287-07 800111-04
800120-08 800151-15 800200-15 147440-12'
PATCH_INFO_120900-04='Installed: Tue Aug 23 11:22:23 PDT 2011 From:
fern-re Obsoletes: 121266-01 Requires: Incompatibles:'
PATCH_INFO_118833-36='Installed: Tue Aug 23 11:42:01 PDT 2011 From:
fern-re Obsoletes: 118822-30 118348-01 118868-01 120996-02 121298-01
119712-04 119852-03 119943-01 119984-03 120052-03 120196-02 121000-05
117170-01 117461-08 118370-04 118375-07 118852-07 118874-02 118911-01
118913-02 118927-02 118996-04 119216-02 119218-02 119374-13 119444-03
119557-09 119568-02 119569-02 119572-01 119596-03 119681-08 119687-02
119689-08 119715-10 119828-05 119939-01 119941-03 119992-02 119994-01
119996-01 120009-01 120030-03 120034-01 120054-02 120083-01 120251-02
120254-03 120258-02 120300-01 120362-02 120627-01 121237-01 121266-01
121268-01 121276-03 121280-01 121301-02 121777-01 121784-01 121788-02

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121790-01 121792-01 121794-02 121796-01 121798-01 121800-01 121802-01
121804-01 121806-01 121808-01 121810-01 121812-01 121814-01 121816-01
121818-01 121820-01 121822-01 121824-01 121826-01 121832-01 121834-01
121836-01 121838-01 121840-01 121842-01 121844-01 121846-01 121848-01
121850-01 121852-01 121854-01 121894-01 122079-01 122081-01 122176-01
122235-01 122237-02 122241-01 122242-01 122243-01 122294-01 122296-01
122298-01 122302-01 122304-01 122306-01 122314-01 122316-01 122318-01
122320-01 122322-01 122324-01 122334-01 122336-01 122338-01 122339-01
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121694-01 118346-05 118812-03 118857-01 118920-02 119562-01 119571-01
119587-01 120467-05 121782-01 123950-02 118915-01 119560-02 119561-03
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122372-01 122374-01 122378-01 122380-01 122382-01 122384-01 122386-01
122392-01 119850-22 119982-05 120036-07 120253-03 120664-01 120844-01
121236-02 121693-03 122027-08 122215-01 122253-01 122388-01 122406-01
122523-03 122539-06 122650-02 122750-01 123302-01 123320-01 123352-05
123524-01 122394-01 122519-01 122652-04 123336-01 120198-05 121302-01
122195-03 122648-02 122856-03 123066-01 123304-02 123442-02 123522-01
123914-02 123952-01 124282-01 118548-01 118550-04 119719-01 119205-03
119207-02 119564-01 119215-02 119334-02 119566-01 119831-01 119682-02
118859-01 118992-03 119858-02 120197-01 118850-03 119589-03 118551-03
118835-04 118846-02 118923-04 119075-14 119577-01 119683-02 119832-02
119945-02 119951-01 119949-02 119983-01 119990-01 120017-02 120302-01
120304-05 119947-02 120066-01 118553-04 119591-03 119979-01 120537-05
120013-02 120471-02 124206-02 118870-02 123348-04 122410-01 Requires:
118918-13 119254-14 119042-09 119578-30 Incompatibles:'
PATCH_INFO_120011-14='Installed: Tue Aug 23 11:48:22 PDT 2011 From:
fern-re Obsoletes: 116781-02 117447-01 117463-05 118371-10 118373-01
118564-03 118731-01 118879-02 118890-03 118925-05 118929-05 119012-03
119073-03 119077-10 119265-02 119332-01 119336-01 119573-02 119580-05
119586-02 119593-01 119685-11 119824-02 119826-02 119981-09 119985-02
119998-02 120023-01 120032-04 120048-03 120050-06 120469-07 120473-12
120629-08 120780-04 120809-01 120824-09 120845-05 120990-02 120998-02
121006-02 121010-06 121215-01 121229-02 121235-01 121278-01 121282-02
121284-02 121288-03 121292-01 121294-01 121406-01 121473-01 121474-01
121476-01 121478-01 121786-01 121905-01 122251-01 122328-01 122404-01
122412-01 122513-02 122535-01 122637-01 122646-02 122658-04 122660-10
122662-05 122752-04 123017-01 123249-02 123256-02 123324-03 123330-01
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123441-05 123444-01 123910-03 123911-01 123916-05 123954-01 124204-04
124208-01 124250-03 124254-04 124258-07 124280-01 124286-01 124327-04
124442-01 124916-03 124918-02 124921-02 124922-03 124987-02 124990-01
124993-01 124995-01 125009-01 125011-01 125014-03 125018-02 125020-01
125024-01 125026-01 125028-03 125035-01 125040-01 125042-02 125073-01
125077-03 125079-01 125100-10 125112-01 125114-01 125116-02 125118-01
125120-03 125123-01 125127-01 125129-01 125198-02 125203-01 125329-03
125363-06 125371-01 125383-01 125385-02 125420-01 125422-01 125424-01
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125492-01 125494-02 125497-01 125792-01 125795-01 126255-01 126303-02
126310-01 126320-01 126429-01 126536-01 126663-01 126838-01 Requires:
118833-36 118918-24 119042-09 119254-42 119574-02 119578-30 120272-12
120900-04 121133-02 121901-01 122640-05 125369-05 125503-02 125547-01
126419-01 126897-02 Incompatibles:'
PATCH_INFO_127127-11='Installed: Tue Aug 23 11:49:40 PDT 2011 From:
fern-re Obsoletes: 118557-09 118560-02 118562-14 118843-01 120046-01
120068-03 120737-01 121132-03 121233-01 121239-02 121290-03 121721-01

121944-03 122363-02 122537-02 123360-01 123398-02 123564-01 123712-01
 123836-01 123915-01 124235-03 124252-03 124256-06 125016-02 125037-06
 125043-01 125081-16 125122-01 125131-01 125169-01 125196-05 125202-01
 125251-02 125253-01 125367-03 125380-02 125382-01 125418-01 125482-03
 125484-04 125490-02 125501-01 125553-03 125890-03 125899-01 125917-03
 126135-01 126143-01 126144-02 126322-01 126423-03 126432-01 126434-06
 126448-05 126450-01 126647-02 126664-01 126665-01 126666-01 126668-01
 126670-01 126672-02 126916-01 127111-11 127716-01 127718-05 127728-06
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 127753-02 127757-01 127761-01 127855-02 127858-01 127862-01 127874-01
 127880-02 127918-02 127966-01 127982-01 127984-02 127990-02 127992-01
 128002-01 128028-03 128030-03 128314-01 128404-01 128500-01 136718-01
 136887-01 137044-01 137082-01 137113-01 Requires: 118731-01 118833-36
 118918-24 119042-09 119254-51 119578-30 120011-14 120900-04 121133-02
 121901-01 125891-01 126540-02 126897-02 127755-01 Incompatibles:'
 PATCH_INFO_137137-09='Installed: Tue Aug 23 11:50:32 PDT 2011 From:
 fern-re Obsoletes: 120741-01 120986-12 120992-02 121008-02 121274-01
 121414-01 122029-01 122083-02 122172-06 122174-03 122356-01 122358-01
 122517-04 122525-03 123186-03 123809-02 123932-02 124999-01 125416-06
 126133-04 126145-01 126304-01 126653-01 126661-02 126674-01 127714-03
 127735-02 127739-03 127866-05 127868-01 127886-06 127888-11 127892-06
 127914-01 127959-02 127968-01 127970-01 128294-02 128400-05 128408-01
 128410-01 128413-01 128493-01 128548-08 136885-04 137042-01 137045-01
 137050-01 137086-01 137091-01 137099-01 137109-01 137111-08 137119-01
 137127-01 137135-01 137139-01 137280-02 137287-01 138042-05 138048-05
 138050-01 138051-01 138052-01 138054-01 138056-02 138060-04 138064-03
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 138249-01 138251-01 138257-01 138259-01 138265-01 138271-04 138273-01
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 138310-01 138312-01 138314-01 138315-01 138316-01 138363-01 138365-01
 138379-01 138390-02 138394-01 138401-01 138899-01 Requires: 118731-01
 118822-24 118833-36 118918-24 119254-58 119374-09 119578-30 120011-14
 120900-04 121133-02 125503-02 126897-02 127127-11 127755-01 138866-01
 Incompatibles:'
 PATCH_INFO_139555-08='Installed: Tue Aug 23 11:51:18 PDT 2011 From:
 fern-re Obsoletes: 120062-01 121130-01 125551-02 126264-01 127743-02
 127853-02 128253-01 128296-01 128318-01 128322-01 128340-01 128406-01
 137095-01 137106-01 137278-01 138058-01 138106-02 138114-01 138231-01
 138241-05 138397-01 138639-01 138850-01 138864-01 138878-01 138888-08
 139385-02 139458-01 139459-01 139466-04 139483-05 139489-03 139492-01
 139494-01 139498-04 139500-04 139502-03 139506-01 139551-01 139558-03
 139560-02 139562-02 139566-01 139570-05 139571-01 139572-02 139574-03
 139579-04 139931-01 139936-01 139938-01 139939-01 139942-01 139947-01
 139951-01 139952-01 139960-02 139965-01 139994-01 140000-04 140076-02
 140077-01 140142-01 140173-01 140194-04 140196-01 140197-01 140334-01
 140389-01 140402-01 140411-01 140677-01 140679-01 140774-03 140776-01
 140794-01 140855-01 141006-01 141008-01 Requires: 125555-02 118731-01
 118833-36 118918-24 119042-09 119254-41 119578-30 120011-14 120900-04
 121133-02 126897-02 127127-11 127755-01 137137-09 138217-01 140796-01
 140899-01 141016-01 Incompatibles:'
 PATCH_INFO_141444-09='Installed: Tue Aug 23 11:52:07 PDT 2011 From:
 fern-re Obsoletes: 119143-02 120807-01 122754-01 123402-01 124924-01
 125915-01 126266-01 126421-02 128004-01 128304-04 128306-05 128328-01
 128334-01 128491-01 137021-03 137121-06 137129-06 137141-01 137289-02
 137292-01 138044-02 138083-01 138104-01 138130-01 138174-04 138255-03

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138269-02 138392-01 138625-02 138629-01 139386-02 139462-02 139464-01
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139977-07 139982-04 139985-02 139991-03 139993-03 139996-02 140150-01
140338-01 140408-01 140589-02 140916-02 140919-04 141028-01 141057-01
141414-10 141494-01 141510-03 141520-01 141524-03 141530-01 141538-01
141540-01 141546-01 141554-01 141556-01 141560-02 141690-02 141692-01
141694-02 141715-03 141721-03 141729-01 141731-01 141733-04 141736-05
141742-04 141743-04 141767-01 141770-01 141771-01 141775-01 141777-01
141781-02 141892-01 141894-01 141902-02 141908-01 141918-01 141920-03
141934-01 142004-01 142013-01 142051-01 142056-02 142246-01 142284-01
142479-01 142483-01 142489-01 Requires: 118833-36 118918-24 119042-09
119254-41 119578-30 120011-14 120900-04 121133-02 121901-01 121921-02
125503-02 126540-02 126897-02 127127-11 127755-01 137137-09 139555-08
142292-01 Incompatibles:'
PATCH_INFO_142909-17='Installed: Tue Aug 23 11:53:43 PDT 2011 From:
fern-re Obsoletes: 118814-01 120038-01 120816-01 121128-01 121394-03
122085-01 123194-01 123271-01 123332-02 123334-05 125022-01 125108-02
125174-02 125200-01 125201-01 125808-01 125896-03 126308-01 126428-01
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136891-02 137017-03 137028-01 137123-03 137133-01 137291-01 138046-02
138081-01 138098-01 138112-01 138116-01 138118-01 138120-01 138157-01
138169-01 138223-03 138263-03 138283-05 138318-03 138324-03 138375-01
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141022-02 141026-14 141030-10 141034-02 141054-01 141536-01 141542-01
141544-01 141550-02 141562-02 141723-02 141740-01 141773-01 141780-01
141899-03 141906-01 141914-02 141922-02 142005-01 142055-03 142236-02
142242-05 142245-02 142247-01 142249-01 142257-05 142259-07 142263-01
142290-01 142330-01 142346-02 142390-03 142436-08 142481-01 142528-01
142539-01 142541-01 142675-01 142900-15 143051-01 143052-02 143054-01
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143135-03 143137-04 143350-05 143352-01 143354-03 143356-01 143357-05
143359-02 143360-01 143515-01 143519-01 143521-02 143523-04 143528-01
143556-04 143558-01 143565-01 143569-04 143574-01 143576-03 143583-02
143585-01 143586-02 143590-01 143595-01 143597-02 143603-01 143605-01
143607-01 143611-01 143613-01 143623-01 143895-01 143897-03 143899-01
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144023-01 144043-01 144045-02 144049-01 144051-03 144056-01 144110-01
144182-01 144258-01 144369-01 144373-01 144389-01 144453-01 144494-01
144511-01 144624-01 144761-01 145024-01 145049-01 145051-01 145102-01
145103-01 Requires: 118731-01 118833-36 118918-24 119042-09 119578-30
120011-14 120900-04 121133-02 121901-01 126540-02 126897-02 127127-11
127755-01 137137-09 139555-08 141444-09 142911-01 142933-02
Incompatibles:'
PATCH_INFO_144500-19='Installed: Tue Aug 23 11:55:31 PDT 2011 From:
fern-re Obsoletes: 118735-02 118842-01 120044-01 120061-02 120085-02
120994-01 121559-01 122183-03 122408-01 123319-01 123908-02 124237-01
125167-01 125171-02 125414-01 125549-01 126258-03 126260-02 126319-01
126655-02 126896-01 127737-02 127998-01 128000-01 128326-01 136889-01

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144302-01 144311-03 144313-01 144315-01 144367-02 144382-01 144384-02
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144536-02 144542-06 144548-01 144550-01 144552-01 144554-01 144561-02
144563-02 144565-05 144567-02 144571-02 144573-01 144574-06 144748-02
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145047-01 145107-02 145124-02 145788-03 145792-01 145794-01 145796-02
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145933-02 145939-01 145941-02 145944-01 145961-02 145963-01 146017-04
146018-03 146019-02 146021-02 146023-01 146028-05 146030-01 146058-02
146062-02 146064-01 146066-02 146069-04 146070-01 146073-01 146132-01
146230-01 146277-01 146287-01 146327-01 146328-02 146336-03 146440-01
146442-01 146443-01 146447-02 146449-01 146478-01 146482-01 146484-01
146570-02 146584-01 146677-01 146701-01 146778-02 146802-03 146804-01
146842-01 146846-01 146855-01 146857-01 147053-01 147182-01 Requires:
118833-36 118918-24 119042-09 119254-41 119578-30 120011-14 121901-01
125891-01 126897-02 127127-11 127755-01 137137-09 139555-08 141444-09
142909-17 142933-03 144526-01 147061-01 Incompatibles:
PATCH_INFO_146575-03='Installed: Tue Aug 23 11:58:14 PDT 2011 From:
fern-re Obsoletes: 141590-02 141765-01 143941-02 Requires: 118833-36
120011-14 127127-11 137137-09 139555-08 141444-09 142909-17
Incompatibles:
PATCH_INFO_125095-15='Installed: Tue Aug 23 12:41:10 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:
PATCH_INFO_138287-07='Installed: Tue Aug 23 12:56:34 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:
PATCH_INFO_800111-04='Installed: Tue Aug 23 13:12:48 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:
PATCH_INFO_800120-08='Installed: Tue Aug 23 13:29:31 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:
PATCH_INFO_800151-15='Installed: Tue Aug 23 13:48:39 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:
PATCH_INFO_800200-15='Installed: Tue Aug 23 14:43:12 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:
INSTDATE='Jun 13 2012 04:25'
UPDATE='yes'
PATCH_UNCONDITIONAL='false'
PATCH_NO_UNDO='true'
PATCH_BUILD_DIR='none'
PATCH_UNDO_ARCHIVE='none'
INTERRUPTION='no'
ACTIVE_OBSOLETES='125804-01 125902-02 137276-01 140383-01 140563-03
141590-02 141765-01 143941-02 144534-02 146279-01 146281-01 146283-01
146294-03 146320-03 146322-01 146575-03 146767-02 147012-02 147157-02
147258-01 147268-01 147436-01 147699-01 147701-01 147713-01 147770-01
148229-01'
PATCH_INFO_147440-12='Installed: Wed Jun 13 04:25:10 UTC 2012 From: host
Obsoletes: 125804-01 125902-02 137276-01 140383-01 140563-03 141590-02

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141765-01 143941-02 144534-02 146279-01 146281-01 146283-01 146294-03
146320-03 146322-01 146575-03 146767-02 147012-02 147157-02 147258-01
147268-01 147436-01 147699-01 147701-01 147713-01 147770-01 148229-01
Requires: 118833-36 120011-14 121133-02 125555-10 127127-11 137137-09
139555-08 141444-09 142909-17 142933-04 144500-19 Incompatibles:
SCRIPTS_DIR='/tmp/patch_sol_set/10_Recommended/11282011/patches/147440-12/s
Exit status: 0
present.
Checking pkg SUNWzoneu...pkgparam -v SUNWzoneu 2>&1
CLASSES='none'
BASEDIR='/'
LANG=''
TZ='UTC'
PKG_CLIENT_OS='Solaris'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_REVISION='0'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
OAMBASE='/usr/sadm/sysadm'
PKG='SUNWzoneu'
NAME='Solaris Zones (Usr)'
ARCH='sparc'
VERSION='11.10.0,REV=2005.01.21.15.53'
SUNW_PRODNAME='SunOS'
SUNW_PRODVERS='5.10/Generic'
SUNW_PKGTYPE='usr'
SUNW_OBSOLETE=' '
MAXINST='1000'
CATEGORY='system'
DESC='Solaris Zones Configuration and Administration'
VENDOR='Oracle Corporation'
HOTLINE='Please contact your local service provider'
EMAIL=' '
SUNW_PKGVERS='1.0'
SUNW_PKG_ALLZONES='true'
SUNW_PKG_HOLLOW='false'
SUNW_REQUIRES='118833-36 120011-14 121133-02 125555-10 127127-11
137137-09 139555-08 141444-09 142909-17 142933-04 144500-19'
SUNW_INCOMPAT=' '
SUNW_PATCHID='147440-12'
PSTAMP='on10-patch20120207154925'
PKGINST='SUNWzoneu'
PKGSAB=' /var/sadm/pkg/SUNWzoneu/save '
PKG_NO_UNIFIED='TRUE'
PATCHLIST='120900-04 121133-02 120011-14 127127-11 137137-09 139555-08
141444-09 142909-17 144569-01 145194-01 145911-03 146134-01 146334-01
146767-02 121778-12 123259-12 125095-15 138287-07 800111-04 800120-08
800151-15 800200-15 147440-12'
PATCH_INFO_120900-04='Installed: Tue Aug 23 11:22:24 PDT 2011 From:
fern-re Obsoletes: 121266-01 Requires: Incompatibles:'
PATCH_INFO_121133-02='Installed: Tue Aug 23 11:22:28 PDT 2011 From:
fern-re Obsoletes: 121333-03 Requires: 120900-04 Incompatibles:'
PATCH_INFO_120011-14='Installed: Tue Aug 23 11:49:04 PDT 2011 From:
fern-re Obsoletes: 116781-02 117447-01 117463-05 118371-10 118373-01
118564-03 118731-01 118879-02 118890-03 118925-05 118929-05 119012-03
119073-03 119077-10 119265-02 119332-01 119336-01 119573-02 119580-05
119586-02 119593-01 119685-11 119824-02 119826-02 119981-09 119985-02

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119998-02 120023-01 120032-04 120048-03 120050-06 120469-07 120473-12
 120629-08 120780-04 120809-01 120824-09 120845-05 120990-02 120998-02
 121006-02 121010-06 121215-01 121229-02 121235-01 121278-01 121282-02
 121284-02 121288-03 121292-01 121294-01 121406-01 121473-01 121474-01
 121476-01 121478-01 121786-01 121905-01 122251-01 122328-01 122404-01
 122412-01 122513-02 122535-01 122637-01 122646-02 122658-04 122660-10
 122662-05 122752-04 123017-01 123249-02 123256-02 123324-03 123330-01
 123350-01 123354-03 123356-02 123362-01 123418-02 123420-02 123422-03
 123441-05 123444-01 123910-03 123911-01 123916-05 123954-01 124204-04
 124208-01 124250-03 124254-04 124258-07 124280-01 124286-01 124327-04
 124442-01 124916-03 124918-02 124921-02 124922-03 124987-02 124990-01
 124993-01 124995-01 125009-01 125011-01 125014-03 125018-02 125020-01
 125024-01 125026-01 125028-03 125035-01 125040-01 125042-02 125073-01
 125077-03 125079-01 125100-10 125112-01 125114-01 125116-02 125118-01
 125120-03 125123-01 125127-01 125129-01 125198-02 125203-01 125329-03
 125363-06 125371-01 125383-01 125385-02 125420-01 125422-01 125424-01
 125427-01 125430-01 125432-01 125465-02 125478-01 125486-01 125488-02
 125492-01 125494-02 125497-01 125792-01 125795-01 126255-01 126303-02
 126310-01 126320-01 126429-01 126536-01 126663-01 126838-01 Requires:
 118833-36 118918-24 119042-09 119254-42 119574-02 119578-30 120272-12
 120900-04 121133-02 121901-01 122640-05 125369-05 125503-02 125547-01
 126419-01 126897-02 Incompatibles:'
 PATCH_INFO_127127-11='Installed: Tue Aug 23 11:50:02 PDT 2011 From:
 fern-re Obsoletes: 118557-09 118560-02 118562-14 118843-01 120046-01
 120068-03 120737-01 121132-03 121233-01 121239-02 121290-03 121721-01
 121944-03 122363-02 122537-02 123360-01 123398-02 123564-01 123712-01
 123836-01 123915-01 124235-03 124252-03 124256-06 125016-02 125037-06
 125043-01 125081-16 125122-01 125131-01 125169-01 125196-05 125202-01
 125251-02 125253-01 125367-03 125380-02 125382-01 125418-01 125482-03
 125484-04 125490-02 125501-01 125553-03 125890-03 125899-01 125917-03
 126135-01 126143-01 126144-02 126322-01 126423-03 126432-01 126434-06
 126448-05 126450-01 126647-02 126664-01 126665-01 126666-01 126668-01
 126670-01 126672-02 126916-01 127111-11 127716-01 127718-05 127728-06
 127730-04 127732-01 127741-01 127745-01 127747-01 127749-03 127750-01
 127753-02 127757-01 127761-01 127855-02 127858-01 127862-01 127874-01
 127880-02 127918-02 127966-01 127982-01 127984-02 127990-02 127992-01
 128002-01 128028-03 128030-03 128314-01 128404-01 128500-01 136718-01
 136887-01 137044-01 137082-01 137113-01 Requires: 118731-01 118833-36
 118918-24 119042-09 119254-51 119578-30 120011-14 120900-04 121133-02
 121901-01 125891-01 126540-02 126897-02 127755-01 Incompatibles:'
 PATCH_INFO_137137-09='Installed: Tue Aug 23 11:50:54 PDT 2011 From:
 fern-re Obsoletes: 120741-01 120986-12 120992-02 121008-02 121274-01
 121414-01 122029-01 122083-02 122172-06 122174-03 122356-01 122358-01
 122517-04 122525-03 123186-03 123809-02 123932-02 124999-01 125416-06
 126133-04 126145-01 126304-01 126653-01 126661-02 126674-01 127714-03
 127735-02 127739-03 127866-05 127868-01 127886-06 127888-11 127892-06
 127914-01 127959-02 127968-01 127970-01 128294-02 128400-05 128408-01
 128410-01 128413-01 128493-01 128548-08 136885-04 137042-01 137045-01
 137050-01 137086-01 137091-01 137099-01 137109-01 137111-08 137119-01
 137127-01 137135-01 137139-01 137280-02 137287-01 138042-05 138048-05
 138050-01 138051-01 138052-01 138054-01 138056-02 138060-04 138064-03
 138066-01 138068-01 138070-03 138072-02 138074-01 138075-02 138108-01
 138125-01 138127-01 138225-02 138229-02 138233-01 138237-01 138243-02
 138249-01 138251-01 138257-01 138259-01 138265-01 138271-04 138273-01
 138277-01 138279-01 138280-01 138284-04 138305-01 138306-01 138308-02
 138310-01 138312-01 138314-01 138315-01 138316-01 138363-01 138365-01

138379-01 138390-02 138394-01 138401-01 138899-01 Requires: 118731-01
 118822-24 118833-36 118918-24 119254-58 119374-09 119578-30 120011-14
 120900-04 121133-02 125503-02 126897-02 127127-11 127755-01 138866-01
 Incompatibles: '
 PATCH_INFO_139555-08='Installed: Tue Aug 23 11:51:37 PDT 2011 From:
 fern-re Obsoletes: 120062-01 121130-01 125551-02 126264-01 127743-02
 127853-02 128253-01 128296-01 128318-01 128322-01 128340-01 128406-01
 137095-01 137106-01 137278-01 138058-01 138106-02 138114-01 138231-01
 138241-05 138397-01 138639-01 138850-01 138864-01 138878-01 138888-08
 139385-02 139458-01 139459-01 139466-04 139483-05 139489-03 139492-01
 139494-01 139498-04 139500-04 139502-03 139506-01 139551-01 139558-03
 139560-02 139562-02 139566-01 139570-05 139571-01 139572-02 139574-03
 139579-04 139931-01 139936-01 139938-01 139939-01 139942-01 139947-01
 139951-01 139952-01 139960-02 139965-01 139994-01 140000-04 140076-02
 140077-01 140142-01 140173-01 140194-04 140196-01 140197-01 140334-01
 140389-01 140402-01 140411-01 140677-01 140679-01 140774-03 140776-01
 140794-01 140855-01 141006-01 141008-01 Requires: 125555-02 118731-01
 118833-36 118918-24 119042-09 119254-41 119578-30 120011-14 120900-04
 121133-02 126897-02 127127-11 127755-01 137137-09 138217-01 140796-01
 140899-01 141016-01 Incompatibles: '
 PATCH_INFO_141444-09='Installed: Tue Aug 23 11:52:32 PDT 2011 From:
 fern-re Obsoletes: 119143-02 120807-01 122754-01 123402-01 124924-01
 125915-01 126266-01 126421-02 128004-01 128304-04 128306-05 128328-01
 128334-01 128491-01 137021-03 137121-06 137129-06 137141-01 137289-02
 137292-01 138044-02 138083-01 138104-01 138130-01 138174-04 138255-03
 138269-02 138392-01 138625-02 138629-01 139386-02 139462-02 139464-01
 139490-01 139881-01 139928-03 139956-01 139964-03 139973-01 139974-03
 139977-07 139982-04 139985-02 139991-03 139993-03 139996-02 140150-01
 140338-01 140408-01 140589-02 140916-02 140919-04 141028-01 141057-01
 141414-10 141494-01 141510-03 141520-01 141524-03 141530-01 141538-01
 141540-01 141546-01 141554-01 141556-01 141560-02 141690-02 141692-01
 141694-02 141715-03 141721-03 141729-01 141731-01 141733-04 141736-05
 141742-04 141743-04 141767-01 141770-01 141771-01 141775-01 141777-01
 141781-02 141892-01 141894-01 141902-02 141908-01 141918-01 141920-03
 141934-01 142004-01 142013-01 142051-01 142056-02 142246-01 142284-01
 142479-01 142483-01 142489-01 Requires: 118833-36 118918-24 119042-09
 119254-41 119578-30 120011-14 120900-04 121133-02 121901-01 121921-02
 125503-02 126540-02 126897-02 127127-11 127755-01 137137-09 139555-08
 142292-01 Incompatibles: '
 PATCH_INFO_142909-17='Installed: Tue Aug 23 11:54:27 PDT 2011 From:
 fern-re Obsoletes: 118814-01 120038-01 120816-01 121128-01 121394-03
 122085-01 123194-01 123271-01 123332-02 123334-05 125022-01 125108-02
 125174-02 125200-01 125201-01 125808-01 125896-03 126308-01 126428-01
 127723-01 127759-03 127762-01 127882-03 128032-01 128324-02 128346-01
 136891-02 137017-03 137028-01 137123-03 137133-01 137291-01 138046-02
 138081-01 138098-01 138112-01 138116-01 138118-01 138120-01 138157-01
 138169-01 138223-03 138263-03 138283-05 138318-03 138324-03 138375-01
 138381-01 138411-01 138627-07 138644-01 138764-02 138848-02 138858-01
 138870-01 138872-02 138874-05 139390-01 139468-01 139487-01 139503-01
 139504-01 139508-01 139509-02 139514-01 139553-01 139568-01 139935-01
 139941-01 139943-01 139945-03 139946-01 139948-01 139949-01 139958-01
 139970-01 139971-01 139975-03 139983-04 140003-03 140078-01 140144-01
 140146-01 140151-02 140157-03 140165-01 140167-01 140169-01 140175-01
 140192-01 140386-04 140391-03 140395-01 140397-11 140401-01 140413-01
 140557-01 140559-01 140562-02 140681-02 140788-01 140917-02 141012-01
 141022-02 141026-14 141030-10 141034-02 141054-01 141536-01 141542-01

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141544-01 141550-02 141562-02 141723-02 141740-01 141773-01 141780-01
141899-03 141906-01 141914-02 141922-02 142005-01 142055-03 142236-02
142242-05 142245-02 142247-01 142249-01 142257-05 142259-07 142263-01
142290-01 142330-01 142346-02 142390-03 142436-08 142481-01 142528-01
142539-01 142541-01 142675-01 142900-15 143051-01 143052-02 143054-01
143117-01 143119-02 143120-03 143122-02 143125-02 143128-05 143131-08
143135-03 143137-04 143350-05 143352-01 143354-03 143356-01 143357-05
143359-02 143360-01 143515-01 143519-01 143521-02 143523-04 143528-01
143556-04 143558-01 143565-01 143569-04 143574-01 143576-03 143583-02
143585-01 143586-02 143590-01 143595-01 143597-02 143603-01 143605-01
143607-01 143611-01 143613-01 143623-01 143895-01 143897-03 143899-01
143903-01 143905-01 143907-01 143909-06 143911-01 143920-02 143927-02
143933-01 143935-01 143943-01 144015-01 144017-01 144019-01 144021-01
144023-01 144043-01 144045-02 144049-01 144051-03 144056-01 144110-01
144182-01 144258-01 144369-01 144373-01 144389-01 144453-01 144494-01
144511-01 144624-01 144761-01 145024-01 145049-01 145051-01 145102-01
145103-01 Requires: 118731-01 118833-36 118918-24 119042-09 119578-30
120011-14 120900-04 121133-02 121901-01 126540-02 126897-02 127127-11
127755-01 137137-09 139555-08 141444-09 142911-01 142933-02
Incompatibles: '
PATCH_INFO_144569-01='Installed: Tue Aug 23 11:56:20 PDT 2011 From:
fern-re Obsoletes: Requires: 118731-01 120011-14 127127-11 137137-09
139555-08 142909-17 Incompatibles: '
PATCH_INFO_145194-01='Installed: Tue Aug 23 11:56:46 PDT 2011 From:
fern-re Obsoletes: Requires: 137137-09 139555-08 Incompatibles: '
PATCH_INFO_145911-03='Installed: Tue Aug 23 11:57:14 PDT 2011 From:
fern-re Obsoletes: 144556-03 Requires: 120011-14 120900-04 121133-02
127127-11 137137-09 139555-08 141444-09 142909-17 Incompatibles: '
PATCH_INFO_146134-01='Installed: Tue Aug 23 11:57:47 PDT 2011 From:
fern-re Obsoletes: Requires: 142909-17 Incompatibles: '
PATCH_INFO_146334-01='Installed: Tue Aug 23 11:58:02 PDT 2011 From:
fern-re Obsoletes: Requires: 120011-14 121133-02 127127-11 139555-08
142909-17 Incompatibles: '
PATCH_INFO_146767-02='Installed: Tue Aug 23 11:58:38 PDT 2011 From:
fern-re Obsoletes: Requires: 120011-14 121133-02 127127-11 137137-09
139555-08 141444-09 142909-17 Incompatibles: '
PATCH_INFO_121778-12='Installed: Tue Aug 23 12:36:25 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles: '
PATCH_INFO_123259-12='Installed: Tue Aug 23 12:37:37 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles: '
PATCH_INFO_125095-15='Installed: Tue Aug 23 12:51:33 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles: '
PATCH_INFO_138287-07='Installed: Tue Aug 23 13:07:27 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles: '
PATCH_INFO_800111-04='Installed: Tue Aug 23 13:25:01 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles: '
PATCH_INFO_800120-08='Installed: Tue Aug 23 13:43:16 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles: '
PATCH_INFO_800151-15='Installed: Tue Aug 23 14:02:36 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles: '
PATCH_INFO_800200-15='Installed: Tue Aug 23 14:57:41 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles: '
INSTDATE='Jun 13 2012 04:25'
UPDATE='yes'
PATCH_UNCONDITIONAL='false'
PATCH_NO_UNDO='true'

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PATCH_BUILD_DIR='none'
PATCH_UNDO_ARCHIVE='none'
INTERRUPTION='no'
ACTIVE_OBSOLETES='125804-01 125902-02 137276-01 140383-01 140563-03
141590-02 141765-01 143941-02 144534-02 146279-01 146281-01 146283-01
146294-03 146320-03 146322-01 146575-03 146767-02 147012-02 147157-02
147258-01 147268-01 147436-01 147699-01 147701-01 147713-01 147770-01
148229-01'
PATCH_INFO_147440-12='Installed: Wed Jun 13 04:25:43 UTC 2012 From: host
Obsoletes: 125804-01 125902-02 137276-01 140383-01 140563-03 141590-02
141765-01 143941-02 144534-02 146279-01 146281-01 146283-01 146294-03
146320-03 146322-01 146575-03 146767-02 147012-02 147157-02 147258-01
147268-01 147436-01 147699-01 147701-01 147713-01 147770-01 148229-01
Requires: 118833-36 120011-14 121133-02 125555-10 127127-11 137137-09
139555-08 141444-09 142909-17 142933-04 144500-19 Incompatibles:'
SCRIPTS_DIR='/tmp/patch_sol_set/10_Recommended/11282011/patches/147440-12/'
Exit status: 0
present.
PATCHUTILS Unknown is already present.
Checking BZIP 11.10 ...
Checking pkg SUNWbzip...pkgparam -v SUNWbzip 2>&1
CLASSES='none'
BASEDIR='/'
LANG=''
TZ='UTC'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
OAMBASE='/usr/sadm/sysadm'
ARCH='sparc'
CATEGORY='system'
DESC='The bzip compression utility'
EMAIL=''
HOTLINE='Please contact your local service provider'
MAXINST='1000'
NAME='The bzip compression utility'
PKG='SUNWbzip'
SUNW_PKGTYPE='usr'
SUNW_PKGVERS='1.0'
SUNW_PRODNAME='SunOS'
SUNW_PRODVERS='5.10/SunOS Development'
VERSION='11.10.0,REV=2005.01.08.05.16'
PSTAMP='sfw10-patch20110415085252'
VENDOR='Oracle Corporation'
PATCHLIST='126868-04 137321-01 120272-31 128355-09 138423-06 138892-02
800102-01 800156-06 800198-06'
PATCH_INFO_126868-04='Installed: Tue Aug 23 11:29:47 PDT 2011 From:
fern-re Obsoletes: 127784-01 Requires: Incompatibles:'
PATCH_INFO_137321-01='Installed: Tue Aug 23 11:30:29 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_120272-31='Installed: Tue Aug 23 11:43:21 PDT 2011 From:
fern-re Obsoletes: Requires: 119042-09 121901-01 122539-05
Incompatibles:'
PATCH_INFO_128355-09='Installed: Tue Aug 23 12:52:51 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_138423-06='Installed: Tue Aug 23 13:07:40 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_138892-02='Installed: Tue Aug 23 13:08:10 PDT 2011 From:

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fern-re Obsoletes: Requires: Incompatibles:
PATCH_INFO_800102-01='Installed: Tue Aug 23 13:08:47 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:
PATCH_INFO_800156-06='Installed: Tue Aug 23 14:03:31 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:
PATCH_INFO_800198-06='Installed: Tue Aug 23 14:34:37 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:
PKGINST='SUNWbzip'
PKGSAB=' /var/sadm/pkg/SUNWbzip/save'
INSTDATE='Jun 13 2012 03:51'
-- Exit status: 0
present.
BZIP 11.10 is already present.
Checking RECOMMENDED 2013.02.19 ...
Checking pkg SUNWckr...pkgparam -v SUNWckr 2>&1
CLASSES='none etcsystem kcfconfbase manifest preserve renameold
scsivhciconf sdconf renamenew'
BASEDIR='/'
LANG=''
TZ='UTC'
PKG_CLIENT_OS='Solaris'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_REVISION='0'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
OAMBASE='/usr/sadm/sysadm'
PKG='SUNWckr'
NAME='Core Solaris Kernel (Root)'
ARCH='sparc'
VERSION='11.10.0,REV=2005.01.21.15.53'
SUNW_PRODNAME='SunOS'
SUNW_PRODVERS='5.10/Generic'
SUNW_PKGTYPE='root'
SUNW_OBSOLETES=''
MAXINST='1000'
CATEGORY='system'
DESC='core kernel software for a specific instruction-set architecture'
VENDOR='Oracle Corporation'
HOTLINE='Please contact your local service provider'
EMAIL=''
SUNW_PKGVERS='1.0'
SUNW_PKG_ALLZONES='true'
SUNW_PKG_HOLLOW='true'
SUNW_REQUIRES='118833-36 120011-14 121133-02 125555-10 127127-11
137137-09 139555-08 141444-09 142909-17 142933-04 144500-19'
SUNW_INCOMPAT=''
SUNW_PATCHID='147440-12'
PSTAMP='on10-patch20120207154901'
PKGINST='SUNWckr'
PKGSAB=' /var/sadm/pkg/SUNWckr/save'
PKG_NO_UNIFIED='TRUE'
PATCHLIST='118918-24 119578-30 120311-02 138217-01 118833-36 121337-01
128310-01 146320-03 120011-14 127127-11 128332-01 137032-01 137137-09
137282-01 139555-08 141444-09 142332-03 142394-01 142909-17 144500-19
144534-02 145204-01 145919-02 145940-01 146060-01 146236-02 146283-01
146652-01 146834-01 147192-01 147440-01 121778-12 121780-12 123259-12
125095-15 125888-01 138287-07 138289-07 800111-04 800113-04 800120-08

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800122-08 800151-15 800153-15 800200-15 800202-16 144524-02 147159-03
147440-12'

PATCH_INFO_118918-24='Installed: Tue Aug 23 11:14:21 PDT 2011 From:
fern-re Obsoletes: 116781-02 119012-03 121282-02 121284-02 121292-01
121473-01 121476-01 121478-01 121786-01 123444-01 Requires:
Incompatibles:'

PATCH_INFO_119578-30='Installed: Tue Aug 23 11:16:41 PDT 2011 From:
fern-re Obsoletes: 119330-01 119331-01 119559-01 119576-01 120635-02
122396-01 Requires: Incompatibles:'

PATCH_INFO_120311-02='Installed: Tue Aug 23 11:21:37 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'

PATCH_INFO_138217-01='Installed: Tue Aug 23 11:38:52 PDT 2011 From:
fern-re Obsoletes: 119042-11 Requires: 119254-51 Incompatibles:'

PATCH_INFO_118833-36='Installed: Tue Aug 23 11:41:54 PDT 2011 From:
fern-re Obsoletes: 118822-30 118348-01 118868-01 120996-02 121298-01
119712-04 119852-03 119943-01 119984-03 120052-03 120196-02 121000-05
117170-01 117461-08 118370-04 118375-07 118852-07 118874-02 118911-01
118913-02 118927-02 118996-04 119216-02 119218-02 119374-13 119444-03
119557-09 119568-02 119569-02 119572-01 119596-03 119681-08 119687-02
119689-08 119715-10 119828-05 119939-01 119941-03 119992-02 119994-01
119996-01 120009-01 120030-03 120034-01 120054-02 120083-01 120251-02
120254-03 120258-02 120300-01 120362-02 120627-01 121237-01 121266-01
121268-01 121276-03 121280-01 121301-02 121777-01 121784-01 121788-02
121790-01 121792-01 121794-02 121796-01 121798-01 121800-01 121802-01
121804-01 121806-01 121808-01 121810-01 121812-01 121814-01 121816-01
121818-01 121820-01 121822-01 121824-01 121826-01 121832-01 121834-01
121836-01 121838-01 121840-01 121842-01 121844-01 121846-01 121848-01
121850-01 121852-01 121854-01 121894-01 122079-01 122081-01 122176-01
122235-01 122237-02 122241-01 122242-01 122243-01 122294-01 122296-01
122298-01 122302-01 122304-01 122306-01 122314-01 122316-01 122318-01
122320-01 122322-01 122324-01 122334-01 122336-01 122338-01 122339-01
122342-01 122344-01 122346-01 122348-01 122350-01 122644-01 120661-04
121694-01 118346-05 118812-03 118857-01 118920-02 119562-01 119571-01
119587-01 120467-05 121782-01 123950-02 118915-01 119560-02 119561-03
119333-01 119582-04 122333-01 122364-01 122366-01 122368-01 122370-01
122372-01 122374-01 122378-01 122380-01 122382-01 122384-01 122386-01
122392-01 119850-22 119982-05 120036-07 120253-03 120664-01 120844-01
121236-02 121693-03 122027-08 122215-01 122253-01 122388-01 122406-01
122523-03 122539-06 122650-02 122750-01 123302-01 123320-01 123352-05
123524-01 122394-01 122519-01 122652-04 123336-01 120198-05 121302-01
122195-03 122648-02 122856-03 123066-01 123304-02 123442-02 123522-01
123914-02 123952-01 124282-01 118548-01 118550-04 119719-01 119205-03
119207-02 119564-01 119215-02 119334-02 119566-01 119831-01 119682-02
118859-01 118992-03 119858-02 120197-01 118850-03 119589-03 118551-03
118835-04 118846-02 118923-04 119075-14 119577-01 119683-02 119832-02
119945-02 119951-01 119949-02 119983-01 119990-01 120017-02 120302-01
120304-05 119947-02 120066-01 118553-04 119591-03 119979-01 120537-05
120013-02 120471-02 124206-02 118870-02 123348-04 122410-01 Requires:
118918-13 119254-14 119042-09 119578-30 Incompatibles:'

PATCH_INFO_121337-01='Installed: Tue Aug 23 11:44:44 PDT 2011 From:
fern-re Obsoletes: Requires: 118822-23 Incompatibles:'

PATCH_INFO_128310-01='Installed: Tue Aug 23 11:45:32 PDT 2011 From:
fern-re Obsoletes: 128258-01 Requires: 118833-36 Incompatibles:'

PATCH_INFO_146320-03='Installed: Tue Aug 23 11:46:09 PDT 2011 From:
fern-re Obsoletes: 140383-01 140563-03 146281-01 Requires: 118833-36
Incompatibles:'

PATCH_INFO_120011-14='Installed: Tue Aug 23 11:48:15 PDT 2011 From:
fern-re Obsoletes: 116781-02 117447-01 117463-05 118371-10 118373-01
118564-03 118731-01 118879-02 118890-03 118925-05 118929-05 119012-03
119073-03 119077-10 119265-02 119332-01 119336-01 119573-02 119580-05
119586-02 119593-01 119685-11 119824-02 119826-02 119981-09 119985-02
119998-02 120023-01 120032-04 120048-03 120050-06 120469-07 120473-12
120629-08 120780-04 120809-01 120824-09 120845-05 120990-02 120998-02
121006-02 121010-06 121215-01 121229-02 121235-01 121278-01 121282-02
121284-02 121288-03 121292-01 121294-01 121406-01 121473-01 121474-01
121476-01 121478-01 121786-01 121905-01 122251-01 122328-01 122404-01
122412-01 122513-02 122535-01 122637-01 122646-02 122658-04 122660-10
122662-05 122752-04 123017-01 123249-02 123256-02 123324-03 123330-01
123350-01 123354-03 123356-02 123362-01 123418-02 123420-02 123422-03
123441-05 123444-01 123910-03 123911-01 123916-05 123954-01 124204-04
124208-01 124250-03 124254-04 124258-07 124280-01 124286-01 124327-04
124442-01 124916-03 124918-02 124921-02 124922-03 124987-02 124990-01
124993-01 124995-01 125009-01 125011-01 125014-03 125018-02 125020-01
125024-01 125026-01 125028-03 125035-01 125040-01 125042-02 125073-01
125077-03 125079-01 125100-10 125112-01 125114-01 125116-02 125118-01
125120-03 125123-01 125127-01 125129-01 125198-02 125203-01 125329-03
125363-06 125371-01 125383-01 125385-02 125420-01 125422-01 125424-01
125427-01 125430-01 125432-01 125465-02 125478-01 125486-01 125488-02
125492-01 125494-02 125497-01 125792-01 125795-01 126255-01 126303-02
126310-01 126320-01 126429-01 126536-01 126663-01 126838-01 Requires:
118833-36 118918-24 119042-09 119254-42 119574-02 119578-30 120272-12
120900-04 121133-02 121901-01 122640-05 125369-05 125503-02 125547-01
126419-01 126897-02 Incompatibles:'

PATCH_INFO_127127-11='Installed: Tue Aug 23 11:49:34 PDT 2011 From:
fern-re Obsoletes: 118557-09 118560-02 118562-14 118843-01 120046-01
120068-03 120737-01 121132-03 121233-01 121239-02 121290-03 121721-01
121944-03 122363-02 122537-02 123360-01 123398-02 123564-01 123712-01
123836-01 123915-01 124235-03 124252-03 124256-06 125016-02 125037-06
125043-01 125081-16 125122-01 125131-01 125169-01 125196-05 125202-01
125251-02 125253-01 125367-03 125380-02 125382-01 125418-01 125482-03
125484-04 125490-02 125501-01 125553-03 125890-03 125899-01 125917-03
126135-01 126143-01 126144-02 126322-01 126423-03 126432-01 126434-06
126448-05 126450-01 126647-02 126664-01 126665-01 126666-01 126668-01
126670-01 126672-02 126916-01 127111-11 127716-01 127718-05 127728-06
127730-04 127732-01 127741-01 127745-01 127747-01 127749-03 127750-01
127753-02 127757-01 127761-01 127855-02 127858-01 127862-01 127874-01
127880-02 127918-02 127966-01 127982-01 127984-02 127990-02 127992-01
128002-01 128028-03 128030-03 128314-01 128404-01 128500-01 136718-01
136887-01 137044-01 137082-01 137113-01 Requires: 118731-01 118833-36
118918-24 119042-09 119254-51 119578-30 120011-14 120900-04 121133-02
121901-01 125891-01 126540-02 126897-02 127755-01 Incompatibles:'

PATCH_INFO_128332-01='Installed: Tue Aug 23 11:50:06 PDT 2011 From:
fern-re Obsoletes: 128495-01 Requires: 118833-36 120011-14
Incompatibles:'

PATCH_INFO_137032-01='Installed: Tue Aug 23 11:50:11 PDT 2011 From:
fern-re Obsoletes: 136716-01 Requires: 118833-36 120011-14
Incompatibles:'

PATCH_INFO_137137-09='Installed: Tue Aug 23 11:50:29 PDT 2011 From:
fern-re Obsoletes: 120741-01 120986-12 120992-02 121008-02 121274-01
121414-01 122029-01 122083-02 122172-06 122174-03 122356-01 122358-01
122517-04 122525-03 123186-03 123809-02 123932-02 124999-01 125416-06
126133-04 126145-01 126304-01 126653-01 126661-02 126674-01 127714-03

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127735-02 127739-03 127866-05 127868-01 127886-06 127888-11 127892-06
127914-01 127959-02 127968-01 127970-01 128294-02 128400-05 128408-01
128410-01 128413-01 128493-01 128548-08 136885-04 137042-01 137045-01
137050-01 137086-01 137091-01 137099-01 137109-01 137111-08 137119-01
137127-01 137135-01 137139-01 137280-02 137287-01 138042-05 138048-05
138050-01 138051-01 138052-01 138054-01 138056-02 138060-04 138064-03
138066-01 138068-01 138070-03 138072-02 138074-01 138075-02 138108-01
138125-01 138127-01 138225-02 138229-02 138233-01 138237-01 138243-02
138249-01 138251-01 138257-01 138259-01 138265-01 138271-04 138273-01
138277-01 138279-01 138280-01 138284-04 138305-01 138306-01 138308-02
138310-01 138312-01 138314-01 138315-01 138316-01 138363-01 138365-01
138379-01 138390-02 138394-01 138401-01 138899-01 Requires: 118731-01
118822-24 118833-36 118918-24 119254-58 119374-09 119578-30 120011-14
120900-04 121133-02 125503-02 126897-02 127127-11 127755-01 138866-01
Incompatibles:'
PATCH_INFO_137282-01='Installed: Tue Aug 23 11:50:56 PDT 2011 From:
fern-re Obsoletes: Requires: 118833-36 120011-14 Incompatibles:'
PATCH_INFO_139555-08='Installed: Tue Aug 23 11:51:15 PDT 2011 From:
fern-re Obsoletes: 120062-01 121130-01 125551-02 126264-01 127743-02
127853-02 128253-01 128296-01 128318-01 128322-01 128340-01 128406-01
137095-01 137106-01 137278-01 138058-01 138106-02 138114-01 138231-01
138241-05 138397-01 138639-01 138850-01 138864-01 138878-01 138888-08
139385-02 139458-01 139459-01 139466-04 139483-05 139489-03 139492-01
139494-01 139498-04 139500-04 139502-03 139506-01 139551-01 139558-03
139560-02 139562-02 139566-01 139570-05 139571-01 139572-02 139574-03
139579-04 139931-01 139936-01 139938-01 139939-01 139942-01 139947-01
139951-01 139952-01 139960-02 139965-01 139994-01 140000-04 140076-02
140077-01 140142-01 140173-01 140194-04 140196-01 140197-01 140334-01
140389-01 140402-01 140411-01 140677-01 140679-01 140774-03 140776-01
140794-01 140855-01 141006-01 141008-01 Requires: 125555-02 118731-01
118833-36 118918-24 119042-09 119254-41 119578-30 120011-14 120900-04
121133-02 126897-02 127127-11 127755-01 137137-09 138217-01 140796-01
140899-01 141016-01 Incompatibles:'
PATCH_INFO_141444-09='Installed: Tue Aug 23 11:52:04 PDT 2011 From:
fern-re Obsoletes: 119143-02 120807-01 122754-01 123402-01 124924-01
125915-01 126266-01 126421-02 128004-01 128304-04 128306-05 128328-01
128334-01 128491-01 137021-03 137121-06 137129-06 137141-01 137289-02
137292-01 138044-02 138083-01 138104-01 138130-01 138174-04 138255-03
138269-02 138392-01 138625-02 138629-01 139386-02 139462-02 139464-01
139490-01 139881-01 139928-03 139956-01 139964-03 139973-01 139974-03
139977-07 139982-04 139985-02 139991-03 139993-03 139996-02 140150-01
140338-01 140408-01 140589-02 140916-02 140919-04 141028-01 141057-01
141414-10 141494-01 141510-03 141520-01 141524-03 141530-01 141538-01
141540-01 141546-01 141554-01 141556-01 141560-02 141690-02 141692-01
141694-02 141715-03 141721-03 141729-01 141731-01 141733-04 141736-05
141742-04 141743-04 141767-01 141770-01 141771-01 141775-01 141777-01
141781-02 141892-01 141894-01 141902-02 141908-01 141918-01 141920-03
141934-01 142004-01 142013-01 142051-01 142056-02 142246-01 142284-01
142479-01 142483-01 142489-01 Requires: 118833-36 118918-24 119042-09
119254-41 119578-30 120011-14 120900-04 121133-02 121901-01 121921-02
125503-02 126540-02 126897-02 127127-11 127755-01 137137-09 139555-08
142292-01 Incompatibles:'
PATCH_INFO_142332-03='Installed: Tue Aug 23 11:52:54 PDT 2011 From:
fern-re Obsoletes: 142007-01 Requires: 120011-14 127127-11 137137-09
139555-08 Incompatibles:'
PATCH_INFO_142394-01='Installed: Tue Aug 23 11:53:03 PDT 2011 From:

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fern-re Obsoletes: 141059-01 Requires: 118833-36 120011-14 127127-11
139555-08 Incompatibles:'

PATCH_INFO_142909-17='Installed: Tue Aug 23 11:53:33 PDT 2011 From:

fern-re Obsoletes: 118814-01 120038-01 120816-01 121128-01 121394-03
122085-01 123194-01 123271-01 123332-02 123334-05 125022-01 125108-02
125174-02 125200-01 125201-01 125808-01 125896-03 126308-01 126428-01
127723-01 127759-03 127762-01 127882-03 128032-01 128324-02 128346-01
136891-02 137017-03 137028-01 137123-03 137133-01 137291-01 138046-02
138081-01 138098-01 138112-01 138116-01 138118-01 138120-01 138157-01
138169-01 138223-03 138263-03 138283-05 138318-03 138324-03 138375-01
138381-01 138411-01 138627-07 138644-01 138764-02 138848-02 138858-01
138870-01 138872-02 138874-05 139390-01 139468-01 139487-01 139503-01
139504-01 139508-01 139509-02 139514-01 139553-01 139568-01 139935-01
139941-01 139943-01 139945-03 139946-01 139948-01 139949-01 139958-01
139970-01 139971-01 139975-03 139983-04 140003-03 140078-01 140144-01
140146-01 140151-02 140157-03 140165-01 140167-01 140169-01 140175-01
140192-01 140386-04 140391-03 140395-01 140397-11 140401-01 140413-01
140557-01 140559-01 140562-02 140681-02 140788-01 140917-02 141012-01
141022-02 141026-14 141030-10 141034-02 141054-01 141536-01 141542-01
141544-01 141550-02 141562-02 141723-02 141740-01 141773-01 141780-01
141899-03 141906-01 141914-02 141922-02 142005-01 142055-03 142236-02
142242-05 142245-02 142247-01 142249-01 142257-05 142259-07 142263-01
142290-01 142330-01 142346-02 142390-03 142436-08 142481-01 142528-01
142539-01 142541-01 142675-01 142900-15 143051-01 143052-02 143054-01
143117-01 143119-02 143120-03 143122-02 143125-02 143128-05 143131-08
143135-03 143137-04 143350-05 143352-01 143354-03 143356-01 143357-05
143359-02 143360-01 143515-01 143519-01 143521-02 143523-04 143528-01
143556-04 143558-01 143565-01 143569-04 143574-01 143576-03 143583-02
143585-01 143586-02 143590-01 143595-01 143597-02 143603-01 143605-01
143607-01 143611-01 143613-01 143623-01 143895-01 143897-03 143899-01
143903-01 143905-01 143907-01 143909-06 143911-01 143920-02 143927-02
143933-01 143935-01 143943-01 144015-01 144017-01 144019-01 144021-01
144023-01 144043-01 144045-02 144049-01 144051-03 144056-01 144110-01
144182-01 144258-01 144369-01 144373-01 144389-01 144453-01 144494-01
144511-01 144624-01 144761-01 145024-01 145049-01 145051-01 145102-01
145103-01 Requires: 118731-01 118833-36 118918-24 119042-09 119578-30
120011-14 120900-04 121133-02 121901-01 126540-02 126897-02 127127-11
127755-01 137137-09 139555-08 141444-09 142911-01 142933-02

Incompatibles:'

PATCH_INFO_144500-19='Installed: Tue Aug 23 11:55:28 PDT 2011 From:

fern-re Obsoletes: 118735-02 118842-01 120044-01 120061-02 120085-02
120994-01 121559-01 122183-03 122408-01 123319-01 123908-02 124237-01
125167-01 125171-02 125414-01 125549-01 126258-03 126260-02 126319-01
126655-02 126896-01 127737-02 127998-01 128000-01 128326-01 136889-01
136892-01 138079-01 138085-01 138087-01 138089-01 138128-01 138239-01
138261-03 138291-01 138293-01 138320-02 138371-06 138373-02 138377-01
138383-01 138387-01 138634-01 138880-02 139478-01 139485-02 139959-04
140074-09 140161-01 140163-01 140190-01 140387-02 140399-03 140683-01
140784-01 140921-02 141010-01 141020-03 141024-01 141052-02 141500-08
141502-02 141506-10 141508-02 141534-01 141686-01 141738-01 142046-04
142238-02 142342-01 142542-01 143140-04 143559-10 143561-10 143571-02
143575-01 143592-09 144053-05 144055-01 144184-02 144254-01 144256-01
144302-01 144311-03 144313-01 144315-01 144367-02 144382-01 144384-02
144459-01 144488-17 144490-01 144508-02 144521-01 144530-01 144532-01
144536-02 144542-06 144548-01 144550-01 144552-01 144554-01 144561-02
144563-02 144565-05 144567-02 144571-02 144573-01 144574-06 144748-02

144754-01 144759-02 144874-01 144903-02 145021-01 145042-03 145046-01
 145047-01 145107-02 145124-02 145788-03 145792-01 145794-01 145796-02
 145798-08 145868-05 145870-01 145885-01 145887-01 145889-03 145893-02
 145895-05 145897-01 145901-01 145907-02 145913-01 145915-01 145927-02
 145933-02 145939-01 145941-02 145944-01 145961-02 145963-01 146017-04
 146018-03 146019-02 146021-02 146023-01 146028-05 146030-01 146058-02
 146062-02 146064-01 146066-02 146069-04 146070-01 146073-01 146132-01
 146230-01 146277-01 146287-01 146327-01 146328-02 146336-03 146440-01
 146442-01 146443-01 146447-02 146449-01 146478-01 146482-01 146484-01
 146570-02 146584-01 146677-01 146701-01 146778-02 146802-03 146804-01
 146842-01 146846-01 146855-01 146857-01 147053-01 147182-01 Requires:
 118833-36 118918-24 119042-09 119254-41 119578-30 120011-14 121901-01
 125891-01 126897-02 127127-11 127755-01 137137-09 139555-08 141444-09
 142909-17 142933-03 144526-01 147061-01 Incompatibles:'
 PATCH_INFO_144534-02='Installed: Tue Aug 23 11:56:05 PDT 2011 From:
 fern-re Obsoletes: Requires: 118833-36 120011-14 127127-11 137137-09
 139555-08 141444-09 142909-17 Incompatibles:'
 PATCH_INFO_145204-01='Installed: Tue Aug 23 11:56:53 PDT 2011 From:
 fern-re Obsoletes: Requires: 120011-14 127127-11 Incompatibles:'
 PATCH_INFO_145919-02='Installed: Tue Aug 23 11:57:17 PDT 2011 From:
 fern-re Obsoletes: Requires: 118833-36 120011-14 139555-08
 Incompatibles:'
 PATCH_INFO_145940-01='Installed: Tue Aug 23 11:57:29 PDT 2011 From:
 fern-re Obsoletes: Requires: 118833-36 120011-14 127127-11 137137-09
 141444-09 142909-17 Incompatibles:'
 PATCH_INFO_146060-01='Installed: Tue Aug 23 11:57:43 PDT 2011 From:
 fern-re Obsoletes: Requires: 118833-36 137137-09 142909-17
 Incompatibles:'
 PATCH_INFO_146236-02='Installed: Tue Aug 23 11:57:53 PDT 2011 From:
 fern-re Obsoletes: Requires: 137137-09 Incompatibles:'
 PATCH_INFO_146283-01='Installed: Tue Aug 23 11:57:55 PDT 2011 From:
 fern-re Obsoletes: Requires: 118833-36 137137-09 142909-17
 Incompatibles:'
 PATCH_INFO_146652-01='Installed: Tue Aug 23 11:58:24 PDT 2011 From:
 fern-re Obsoletes: Requires: 120011-14 139555-08 Incompatibles:'
 PATCH_INFO_146834-01='Installed: Tue Aug 23 11:58:49 PDT 2011 From:
 fern-re Obsoletes: 125911-01 126262-01 Requires: 118833-36 120011-14
 127127-11 137137-09 139555-08 142909-17 Incompatibles:'
 PATCH_INFO_147192-01='Installed: Tue Aug 23 11:59:11 PDT 2011 From:
 fern-re Obsoletes: Requires: 118833-36 137137-09 141444-09
 Incompatibles:'
 PATCH_INFO_147440-01='Installed: Tue Aug 23 11:59:20 PDT 2011 From:
 fern-re Obsoletes: Requires: 118833-36 120011-14 125555-10 127127-11
 137137-09 139555-08 141444-09 142909-17 144500-19 142933-04
 Incompatibles:'
 PATCH_INFO_121778-12='Installed: Tue Aug 23 12:36:17 PDT 2011 From:
 fern-re Obsoletes: Requires: Incompatibles:'
 PATCH_INFO_121780-12='Installed: Tue Aug 23 12:36:26 PDT 2011 From:
 fern-re Obsoletes: Requires: Incompatibles:'
 PATCH_INFO_123259-12='Installed: Tue Aug 23 12:36:44 PDT 2011 From:
 fern-re Obsoletes: Requires: Incompatibles:'
 PATCH_INFO_125095-15='Installed: Tue Aug 23 12:39:30 PDT 2011 From:
 fern-re Obsoletes: Requires: Incompatibles:'
 PATCH_INFO_125888-01='Installed: Tue Aug 23 12:52:05 PDT 2011 From:
 fern-re Obsoletes: Requires: Incompatibles:'
 PATCH_INFO_138287-07='Installed: Tue Aug 23 12:54:57 PDT 2011 From:

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fern-re Obsoletes: Requires: Incompatibles: '
PATCH_INFO_138289-07='Installed: Tue Aug 23 13:07:30 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles: '
PATCH_INFO_800111-04='Installed: Tue Aug 23 13:11:07 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles: '
PATCH_INFO_800113-04='Installed: Tue Aug 23 13:25:04 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles: '
PATCH_INFO_800120-08='Installed: Tue Aug 23 13:27:40 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles: '
PATCH_INFO_800122-08='Installed: Tue Aug 23 13:43:20 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles: '
PATCH_INFO_800151-15='Installed: Tue Aug 23 13:46:49 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles: '
PATCH_INFO_800153-15='Installed: Tue Aug 23 14:02:39 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles: '
PATCH_INFO_800200-15='Installed: Tue Aug 23 14:41:19 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles: '
PATCH_INFO_800202-16='Installed: Tue Aug 23 14:57:45 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles: '
INSTDATE='Jun 13 2012 04:24'
UPDATE='yes'
PATCH_UNCONDITIONAL='false'
PATCH_NO_UNDO='true'
PATCH_BUILD_DIR='none'
PATCH_UNDO_ARCHIVE='none'
INTERRUPTION='no'
PATCH_INFO_144524-02='Installed: Wed Jun 13 04:20:01 UTC 2012 From: host
Obsoletes: Requires: 118833-36 120011-14 127127-11 137137-09 139555-08
141444-09 142909-17 144500-19 Incompatibles: '
SCRIPTS_DIR='/tmp/patch_sol_set/10_Recommended/11282011/patches/147440-12/'
Wed Jun 13 04:23:49 UTC 2012 From: host Obsoletes: Requires: 118833-36
118918-24 120011-14 127127-11 137137-09 139555-08 141444-09 142909-17
144500-19 Incompatibles: '
ACTIVE_OBSOLETES='125804-01 125902-02 137276-01 140383-01 140563-03
141590-02 141765-01 143941-02 144534-02 146279-01 146281-01 146283-01
146294-03 146320-03 146322-01 146575-03 146767-02 147012-02 147157-02
147258-01 147268-01 147436-01 147699-01 147701-01 147713-01 147770-01
148229-01'
PATCH_INFO_147440-12='Installed: Wed Jun 13 04:24:58 UTC 2012 From: host
Obsoletes: 125804-01 125902-02 137276-01 140383-01 140563-03 141590-02
141765-01 143941-02 144534-02 146279-01 146281-01 146283-01 146294-03
146320-03 146322-01 146575-03 146767-02 147012-02 147157-02 147258-01
147268-01 147436-01 147699-01 147701-01 147713-01 147770-01 148229-01
Requires: 118833-36 120011-14 121133-02 125555-10 127127-11 137137-09
139555-08 141444-09 142909-17 142933-04 144500-19 Incompatibles: '
-- Exit status: 0
present.
Checking pkg SUNWbzip... present.
Checking pkg SUNWpkgcmdsu... present.
RECOMMENDED 2013.02.19 is already present.
Checking MYSQL_MARKER 1.1 ...
Checking pkg SUNWcomms-mysql-marker... not present.
MYSQL_MARKER 1.1 is not present.
Checking MYSQL_MARKER 1.0 ...
Checking pkg SUNWcomms-mysql-marker... not present.
MYSQL_MARKER 1.0 is not present.

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Checking MYSQL 5.5.8 ...
Checking pkg mysql... not present.
MYSQL 5.5.8 is not present.
Checking MYSQL 5.1.36 ...
Checking pkg mysql... not present.
MYSQL 5.1.36 is not present.
Checking ST 1.1.4 ...
Checking pkg SUNWservicetagr...pkgparam -v SUNWservicetagr 2>&1
CLASSES='none rbac manifest services'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:09'
PKGSAB=' /var/sadm/pkg/SUNWservicetagr/save'
PKGINST='SUNWservicetagr'
OSREL='5.10'
OSROOT='/opt/CNSREbuild/src/servicetags/release/rel_114-01/servicetags/prot
contact your local service provider'
VENDOR='Sun Microsystems, Inc.'
SUNW_PKGTYPE='root'
CATEGORY='system'
VERSION='1.1.4,REV=2008.03.21.07.54'
ARCH='sparc'
DESC='Service Tags Agent'
NAME='Service Tags (root)'
PKG='SUNWservicetagr'
SUNW_PKGVERS='1.0'
SUNW_PRODVERS='1.1.4.1'
SUNW_PRODNAME='Service Tags (root)'
PSTAMP='sparc(re-s10-s01)Fri Mar 21 07:54:10 MDT 2008'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWservicetagu...pkgparam -v SUNWservicetagu 2>&1
CLASSES='none rbac'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:09'
PKGSAB=' /var/sadm/pkg/SUNWservicetagu/save'
PKGINST='SUNWservicetagu'
OSREL='5.10'
OSROOT='/opt/CNSREbuild/src/servicetags/release/rel_114-01/servicetags/prot
contact your local service provider'
VENDOR='Sun Microsystems, Inc.'
SUNW_PKGTYPE='usr'
CATEGORY='system'
VERSION='1.1.4,REV=2008.03.21.07.54'
ARCH='sparc'
DESC='Service Tags Agent'

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NAME='Service Tags (Usr)'
PKG='SUNWservicetagu'
SUNW_PKGVERS='1.0'
SUNW_PRODVERS='1.1.4.1'
SUNW_PRODNAME='Service Tags (Usr)'
PSTAMP='sparc(re-s10-s01)Fri Mar 21 07:54:08 MDT 2008'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWstosreg...pkgparam -v SUNWstosreg 2>&1
CLASSES='none manifest'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:09'
PKGSABV='/var/sadm/pkg/SUNWstosreg/save'
PKGINST='SUNWstosreg'
OSREL='5.10'
OSROOT='/opt/CNSREbuild/src/servicetags/release/rel_114-01/servicetags/prof
contact your local service provider'
VENDOR='Sun Microsystems, Inc.'
SUNW_PKGTYPE='root'
CATEGORY='system'
VERSION='1.1.4,REV=2008.03.21.07.54'
ARCH='sparc'
DESC='Service Tags Solaris OS Registration'
NAME='Service Tags Solaris OS Registration'
PKG='SUNWstosreg'
SUNW_PKGVERS='1.0'
SUNW_PRODVERS='1.1.4.1'
SUNW_PRODNAME='Service Tags Solaris OS Registration'
PSTAMP='sparc(re-s10-s01)Fri Mar 21 07:54:11 MDT 2008'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
ST 1.1.4 is already present.
Checking NSS 4.8.9 ...
Checking pkg SUNWpr... not present.

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Checking pkg SUNWprd... not present.
Checking pkg SUNWtls... not present.
Checking pkg SUNWtlsd... not present.
Checking pkg SUNWtlsu... not present.
Checking pkg SUNWjss... not present.
NSS 4.8.9 is not present.
Checking SASL 2.19 ...
Checking pkg SUNWsas1... not present.
SASL 2.19 is not present.
Checking LDAPCSDK6 6.0 ...
Checking pkg SUNWldapcsdk-libs... not present.
Checking pkg SUNWldapcsdk-dev... not present.
LDAPCSDK6 6.0 is not present.
Checking LDAPCSDK6_TOOLS 6.0 ...
Checking pkg SUNWldapcsdk-tools... not present.
LDAPCSDK6_TOOLS 6.0 is not present.
Checking ICU ICU2,ICU3 ...
Checking pkg SUNWicu... not present.
ICU ICU2,ICU3 is not present.
Checking JDK 1.6.0 ...
Checking pkg SUNWj6rt... not present.
Checking pkg SUNWj6rtx... not present.
Checking pkg SUNWj6dev... not present.
Checking pkg SUNWj6dvx... not present.
Checking pkg SUNWj6cfg... not present.
JDK 1.6.0 is not present.
Checking JDK 1.5.0 ...
Checking pkg SUNWj5rt... not present.
Checking pkg SUNWj5rtx... not present.
Checking pkg SUNWj5cfg... not present.
JDK 1.5.0 is not present.
Checking JHRT 2.0 ...
Checking pkg SUNWjhrt... not present.
Checking pkg SUNWjhdev... not present.
Checking pkg SUNWjhdev... not present.
Checking pkg SUNWjhdoc... not present.
JHRT 2.0 is not present.
Checking MQ 4.4 ...
Checking pkg SUNWiqr... not present.
Checking pkg SUNWiqu... not present.
Checking pkg SUNWiqdoc... not present.
Checking pkg SUNWiquc... not present.
Checking pkg SUNWiqum... not present.
Checking pkg SUNWiqjx... not present.
Checking pkg SUNWiqfs... not present.
Checking pkg SUNWiqcrt... not present.
Checking pkg SUNWiqcdv... not present.
Checking pkg SUNWiqlen... not present.
MQ 4.4 is not present.
Checking MQ 3.7 ...
Checking pkg SUNWiqr... not present.
Checking pkg SUNWiqu... not present.
Checking pkg SUNWiq1pl... not present.
Checking pkg SUNWiqdoc... not present.
Checking pkg SUNWiquc... not present.
Checking pkg SUNWiqum... not present.

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Checking pkg SUNWiqjx... not present.
Checking pkg SUNWiqfs... not present.
Checking pkg SUNWiqcrt... not present.
Checking pkg SUNWiqcdv... not present.
Checking pkg SUNWiqlen... not present.
MQ 3.7 is not present.
Checking MQ 4.1 ...
Checking pkg SUNWiqr... not present.
Checking pkg SUNWiqu... not present.
Checking pkg SUNWiqdoc... not present.
Checking pkg SUNWiquc... not present.
Checking pkg SUNWiqum... not present.
Checking pkg SUNWiqjx... not present.
Checking pkg SUNWiqfs... not present.
Checking pkg SUNWiqcrt... not present.
Checking pkg SUNWiqcdv... not present.
MQ 4.1 is not present.
Checking MQ 4.3 ...
Checking pkg SUNWiqr... not present.
Checking pkg SUNWiqu... not present.
Checking pkg SUNWiqdoc... not present.
Checking pkg SUNWiquc... not present.
Checking pkg SUNWiqum... not present.
Checking pkg SUNWiqjx... not present.
Checking pkg SUNWiqfs... not present.
Checking pkg SUNWiqcrt... not present.
Checking pkg SUNWiqcdv... not present.
Checking pkg SUNWiqlen... not present.
MQ 4.3 is not present.
Checking MQ_L10N 4.4 ...
Checking pkg SUNWfiqu... not present.
Checking pkg SUNWfiquc... not present.
Checking pkg SUNWdiqu... not present.
Checking pkg SUNWdiquc... not present.
Checking pkg SUNWjiqu... not present.
Checking pkg SUNWjiquc... not present.
Checking pkg SUNWeiqu... not present.
Checking pkg SUNWeiquc... not present.
Checking pkg SUNWkiqu... not present.
Checking pkg SUNWkiquc... not present.
Checking pkg SUNWciqu... not present.
Checking pkg SUNWciquc... not present.
Checking pkg SUNWhiqu... not present.
Checking pkg SUNWhiquc... not present.
MQ_L10N 4.4 is not present.
Checking MQ_L10N 3.7 ...
Checking pkg SUNWfiqu... not present.
Checking pkg SUNWfiquc... not present.
Checking pkg SUNWdiqu... not present.
Checking pkg SUNWdiquc... not present.
Checking pkg SUNWjiqu... not present.
Checking pkg SUNWjiquc... not present.
Checking pkg SUNWeiqu... not present.
Checking pkg SUNWeiquc... not present.
Checking pkg SUNWkiqu... not present.
Checking pkg SUNWkiquc... not present.

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Checking pkg SUNWciqu... not present.
Checking pkg SUNWciquc... not present.
Checking pkg SUNWhiqu... not present.
Checking pkg SUNWhiquc... not present.
MQ_L10N 3.7 is not present.
Checking MQ_L10N 4.1 ...
Checking pkg SUNWfiqu... not present.
Checking pkg SUNWfiquc... not present.
Checking pkg SUNWdiqu... not present.
Checking pkg SUNWdiquc... not present.
Checking pkg SUNWjiqu... not present.
Checking pkg SUNWjiquc... not present.
Checking pkg SUNWei... not present.
Checking pkg SUNWeiuc... not present.
Checking pkg SUNWkiqu... not present.
Checking pkg SUNWkiuc... not present.
Checking pkg SUNWciqu... not present.
Checking pkg SUNWciquc... not present.
Checking pkg SUNWhiqu... not present.
Checking pkg SUNWhiquc... not present.
MQ_L10N 4.1 is not present.
Checking MQ_L10N 4.3 ...
Checking pkg SUNWfiqu... not present.
Checking pkg SUNWfiquc... not present.
Checking pkg SUNWdiqu... not present.
Checking pkg SUNWdiquc... not present.
Checking pkg SUNWjiqu... not present.
Checking pkg SUNWjiquc... not present.
Checking pkg SUNWei... not present.
Checking pkg SUNWeiuc... not present.
Checking pkg SUNWkiqu... not present.
Checking pkg SUNWkiuc... not present.
Checking pkg SUNWciqu... not present.
Checking pkg SUNWciquc... not present.
Checking pkg SUNWhiqu... not present.
Checking pkg SUNWhiquc... not present.
MQ_L10N 4.3 is not present.
Checking LDAPJDK 4.21 ...
Checking pkg SUNWljdk... not present.
LDAPJDK 4.21 is not present.
Checking IMAPI 9.2 ...
Checking pkg SUNWiimdv... not present.
IMAPI 9.2 is not present.
Checking IMAPI 7.0 ...
Checking pkg SUNWiimdv... not present.
IMAPI 7.0 is not present.
Checking IMAPI 7.3 ...
Checking pkg SUNWiimdv... not present.
IMAPI 7.3 is not present.
Checking IMAPI 8.0 ...
Checking pkg SUNWiimdv... not present.
IMAPI 8.0 is not present.
Checking CI 7.6 ...
Checking pkg SUNWcomms... not present.
CI 7.6 is not present.
Checking MS64 7.5 ...

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Checking pkg SUNWmessaging-server-64... not present.
MS64 7.5 is not present.
Checking MS64 6.3 ...
Checking pkg SUNWmessaging-server-64... not present.
MS64 6.3 is not present.
Checking MS64 6.3_32 ...
Checking pkg SUNWmsgin... not present.
Checking pkg SUNWmsgen... not present.
Checking pkg SUNWmsglb... not present.
Checking pkg SUNWmsgco... not present.
Checking pkg SUNWmsgmt... not present.
Checking pkg SUNWmsgst... not present.
Checking pkg SUNWmsgmp... not present.
Checking pkg SUNWmsgwm... not present.
Checking pkg SUNWmsgmf... not present.
MS64 6.3_32 is not present.
Checking MS64 7.2_32 ...
Checking pkg SUNWmessaging-server... not present.
MS64 7.2_32 is not present.
Checking MS64 7.3_32 ...
MS64 7.3_32 is not present.
Checking MS64 7.5_32 ...
MS64 7.5_32 is not present.
Checking DSSETUP 6.4 ...
Checking pkg SUNWcomds... not present.
DSSETUP 6.4 is not present.
Checking DAV 7.4 ...
Checking pkg SUNWdavserver... not present.
DAV 7.4 is not present.
Checking IM 9.2 ...
Checking pkg SUNWiimin... not present.
Checking pkg SUNWiim... not present.
Checking pkg SUNWiimm... not present.
Checking pkg SUNWiimjd... not present.
Checking pkg SUNWiimid... not present.
Checking pkg SUNWiimgw... not present.
Checking pkg SUNWiimw... not present.
Checking pkg SUNWiimfed... not present.
IM 9.2 is not present.
Checking IM 7.0 ...
Checking pkg SUNWiimin... not present.
Checking pkg SUNWiim... not present.
Checking pkg SUNWiimm... not present.
Checking pkg SUNWiimjd... not present.
Checking pkg SUNWiimid... not present.
Checking pkg SUNWiimc... not present.
Checking pkg SUNWiimd... not present.
IM 7.0 is not present.
Checking IM 7.3 ...
Checking pkg SUNWiim... not present.
Checking pkg SUNWiimin... not present.
Checking pkg SUNWiimm... not present.
Checking pkg SUNWiimjd... not present.
Checking pkg SUNWiimid... not present.
Checking pkg SUNWiimc... not present.
Checking pkg SUNWiimd... not present.

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IM 7.3 is not present.
Checking IM 8.3 ...
Checking pkg SUNWiim... not present.
Checking pkg SUNWiimin... not present.
Checking pkg SUNWiimm... not present.
Checking pkg SUNWiimjd... not present.
Checking pkg SUNWiimid... not present.
Checking pkg SUNWiimc... not present.
Checking pkg SUNWiimd... not present.
Checking pkg SUNWiimgw... not present.
IM 8.3 is not present.
Checking IWC 3.0 ...
Checking pkg SUNWiwc... not present.
IWC 3.0 is not present.
Checking IWC 1.0 ...
Checking pkg SUNWiwc... not present.
IWC 1.0 is not present.
Checking IWC 2.0 ...
Checking pkg SUNWiwc... not present.
IWC 2.0 is not present.
Checking JISS 1.5 ...
Checking pkg SUNWjiss... not present.
JISS 1.5 is not present.
Checking JISS 0.9 ...
Checking pkg SUNWjiss-common... not present.
Checking pkg SUNWjiss-conf... not present.
Checking pkg SUNWjiss-extjars... not present.
Checking pkg SUNWjiss-indexapi... not present.
Checking pkg SUNWjiss-jmqc... not present.
Checking pkg SUNWjiss-rest... not present.
Checking pkg SUNWjiss-search... not present.
Checking pkg SUNWjiss-searchui... not present.
Checking pkg SUNWjiss-store... not present.
Checking pkg SUNWjiss-storeui... not present.
JISS 0.9 is not present.
Checking DA 7.0 ...
Checking pkg SUNWcommda... not present.
DA 7.0 is not present.
Checking DA 6.4 ...
Checking pkg SUNWcomic... not present.
Checking pkg SUNWcomis... not present.
DA 6.4 is not present.
Checking NAB 8.0 ...
Checking pkg SUNWnabserver... not present.
NAB 8.0 is not present.
Checking MS_SCHA 7.0 ...
Checking pkg SUNWmessaging-server-scha... not present.
MS_SCHA 7.0 is not present.
Checking MS_SCHA 6.0 ...
Checking pkg SUNWscims... not present.
MS_SCHA 6.0 is not present.
Checking IM_SCHA 7.3 ...
Checking pkg SUNWiimsc... not present.
IM_SCHA 7.3 is not present.
Checking IM_SCHA 7.0 ...
Checking pkg SUNWiimsc... not present.

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IM_SCHA 7.0 is not present.
Checking MS 7.5_32 ...
MS 7.5_32 is not present.
Checking MS 6.3_32 ...
Checking pkg SUNWmsgin... not present.
Checking pkg SUNWmsgen... not present.
Checking pkg SUNWmsglb... not present.
Checking pkg SUNWmsgco... not present.
Checking pkg SUNWmsgmt... not present.
Checking pkg SUNWmsgst... not present.
Checking pkg SUNWmsgmp... not present.
Checking pkg SUNWmsgwm... not present.
Checking pkg SUNWmsgmf... not present.
MS 6.3_32 is not present.
Checking MS 7.2_32 ...
Checking pkg SUNWmessaging-server... not present.
MS 7.2_32 is not present.
Checking MS 7.3_32 ...
MS 7.3_32 is not present.
Checking MS_L10N 6.2 ...
Checking pkg SUNWmsgde... not present.
Checking pkg SUNWmsges... not present.
Checking pkg SUNWmsgfr... not present.
Checking pkg SUNWmsgja... not present.
Checking pkg SUNWmsgko... not present.
Checking pkg SUNWmsgzh... not present.
Checking pkg SUNWmsgtw... not present.
MS_L10N 6.2 is not present.
Checking MS_L10N 6.3 ...
Checking pkg SUNWmsg-l10n... not present.
MS_L10N 6.3 is not present.
Checking MS64_L10N 6.3 ...
Checking pkg SUNWmessaging-server-l10n-64... not present.
MS64_L10N 6.3 is not present.
Checking CS 6.3 ...
Checking pkg SUNWics5... not present.
Checking pkg SUNWica5... not present.
CS 6.3 is not present.
Checking CS_L10N 6.2 ...
Checking pkg SUNWdeics... not present.
Checking pkg SUNWesics... not present.
Checking pkg SUNWfrics... not present.
Checking pkg SUNWjaics... not present.
Checking pkg SUNWkoics... not present.
Checking pkg SUNWzhics... not present.
Checking pkg SUNWtwics... not present.
CS_L10N 6.2 is not present.
Checking CS_L10N 6.3 ...
Checking pkg SUNWics-l10n... not present.
CS_L10N 6.3 is not present.
Checking IM_L10N 7.0 ...
Checking pkg SUNWdiimc... not present.
Checking pkg SUNWdiimd... not present.
Checking pkg SUNWdimid... not present.
Checking pkg SUNWeiimc... not present.
Checking pkg SUNWeiimd... not present.

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Checking pkg SUNWeiimin... not present.
Checking pkg SUNWeimid... not present.
Checking pkg SUNWfiimc... not present.
Checking pkg SUNWfiimd... not present.
Checking pkg SUNWfiimin... not present.
Checking pkg SUNWfimid... not present.
Checking pkg SUNWjiimc... not present.
Checking pkg SUNWjiimd... not present.
Checking pkg SUNWjiimin... not present.
Checking pkg SUNWjimid... not present.
Checking pkg SUNWkiimc... not present.
Checking pkg SUNWkiimd... not present.
Checking pkg SUNWkiimin... not present.
Checking pkg SUNWkiimid... not present.
Checking pkg SUNWciimc... not present.
Checking pkg SUNWciimd... not present.
Checking pkg SUNWciimin... not present.
Checking pkg SUNWcimid... not present.
Checking pkg SUNWhiimc... not present.
Checking pkg SUNWhiimd... not present.
Checking pkg SUNWhiimin... not present.
Checking pkg SUNWhimid... not present.
IM_L10N 7.0 is not present.
Checking IM_L10N 7.2 ...
Checking pkg SUNWiimc-l10n... not present.
Checking pkg SUNWiimd-l10n... not present.
Checking pkg SUNWiimid-l10n... not present.
Checking pkg SUNWiimin-l10n... not present.
IM_L10N 7.2 is not present.
Checking CE 6.3 ...
Checking pkg SUNWuwc... not present.
CE 6.3 is not present.
Checking CE_L10N 6.2 ...
Checking pkg SUNWduwc... not present.
Checking pkg SUNWeuwc... not present.
Checking pkg SUNWfuwc... not present.
Checking pkg SUNWjuwc... not present.
Checking pkg SUNWkuwc... not present.
Checking pkg SUNWcuwc... not present.
Checking pkg SUNWhuwc... not present.
CE_L10N 6.2 is not present.
Checking CE_L10N 6.3 ...
Checking pkg SUNWuwc-l10n... not present.
CE_L10N 6.3 is not present.
Checking CS_SCHA 6.0 ...
Checking pkg SUNWscics... not present.
CS_SCHA 6.0 is not present.
Checking CS_SCHA 6.3 ...
Checking pkg SUNWscics... not present.
CS_SCHA 6.3 is not present.
Detecting Installed Patches...
-- chk4patch 119963-27 /tmp/.patchout_20140808182253.1016 LIBCPLUSPLUS
-- new_chk4patch 119963-27 for LIBCPLUSPLUS: using pkg: SUNWlibC
5.10,REV=2004.12.22
-- Exact match found in PATCHLIST
LIBCPLUSPLUS patch 119963-27 is already present.

```

```

-- chk4patch 120900-04 /tmp/.patchout_20140808182253.1016 PATCHUTILS
-- new_chk4patch 120900-04 for PATCHUTILS: using pkg: SUNWpkgcmdsu
11.11,REV=2005.01.09.23.05
-- new_chk4patch 120900-04 for PATCHUTILS: using pkg: SUNWswmt
11.10,REV=2005.01.10.17.19
-- new_chk4patch 120900-04 for PATCHUTILS: using pkg:
SUNWinstall-patch-utils-root 11.10,REV=2005.01.09.23.05
-- new_chk4patch 120900-04 for PATCHUTILS: using pkg: SUNWcsr
11.10.0,REV=2005.01.21.15.53
-- Exact match found in PATCHLIST
PATCHUTILS patch 120900-04 is already present.
-- chk4patch 121133-02 /tmp/.patchout_20140808182253.1016 PATCHUTILS
-- new_chk4patch 121133-02 for PATCHUTILS: using pkg: SUNWpkgcmdsu
11.11,REV=2005.01.09.23.05
-- new_chk4patch 121133-02 for PATCHUTILS: using pkg: SUNWswmt
11.10,REV=2005.01.10.17.19
-- new_chk4patch 121133-02 for PATCHUTILS: using pkg:
SUNWinstall-patch-utils-root 11.10,REV=2005.01.09.23.05
-- new_chk4patch 121133-02 for PATCHUTILS: using pkg: SUNWcsr
11.10.0,REV=2005.01.21.15.53
-- Exact match found in PATCHLIST
PATCHUTILS patch 121133-02 is already present.
-- chk4patch 119254-88 /tmp/.patchout_20140808182253.1016 PATCHUTILS
-- new_chk4patch 119254-88 for PATCHUTILS: using pkg: SUNWpkgcmdsu
11.11,REV=2005.01.09.23.05
-- Exact match found in PATCHLIST
PATCHUTILS patch 119254-88 is already present.
-- chk4patch 126868-04 /tmp/.patchout_20140808182253.1016 BZIP
-- new_chk4patch 126868-04 for BZIP: using pkg: SUNWbzip
11.10.0,REV=2005.01.08.05.16
-- Exact match found in PATCHLIST
BZIP patch 126868-04 is already present.
-- chk4patch 137321-01 /tmp/.patchout_20140808182253.1016 BZIP
-- new_chk4patch 137321-01 for BZIP: using pkg: SUNWbzip
11.10.0,REV=2005.01.08.05.16
-- Exact match found in PATCHLIST
BZIP patch 137321-01 is already present.
-- chk4patch 119254-88 /tmp/.patchout_20140808182253.1016 RECOMMENDED
-- new_chk4patch 119254-88 for RECOMMENDED: using pkg: SUNWckr
11.10.0,REV=2005.01.21.15.53
-- new_chk4patch 119254-88 for RECOMMENDED: using pkg: SUNWbzip
11.10.0,REV=2005.01.08.05.16
-- new_chk4patch 119254-88 for RECOMMENDED: using pkg: SUNWpkgcmdsu
11.11,REV=2005.01.09.23.05
-- Exact match found in PATCHLIST
RECOMMENDED patch 119254-88 is already present.
-- chk4patch 120272-28 /tmp/.patchout_20140808182253.1016 RECOMMENDED
-- new_chk4patch 120272-28 for RECOMMENDED: using pkg: SUNWckr
11.10.0,REV=2005.01.21.15.53
-- new_chk4patch 120272-28 for RECOMMENDED: using pkg: SUNWbzip
11.10.0,REV=2005.01.08.05.16
--Newer version found 120272-31
RECOMMENDED patch 120272-28 is already present.
-- chk4patch 147147-26 /tmp/.patchout_20140808182253.1016 RECOMMENDED
-- new_chk4patch 147147-26 for RECOMMENDED: using pkg: SUNWckr
11.10.0,REV=2005.01.21.15.53

```

```

-- new_chk4patch 147147-26 for RECOMMENDED: using pkg: SUNWbzip
11.10.0,REV=2005.01.08.05.16
-- new_chk4patch 147147-26 for RECOMMENDED: using pkg: SUNWpkgcmdsu
11.11,REV=2005.01.09.23.05
RECOMMENDED patch 147147-26 is not present.
-- chk4patch 125358-15 /tmp/.patchout_altroot_20140808182253.1016 NSS -R
/opt/altroot
-- new_chk4patch 125358-15 for NSS: using pkg: SUNWpr
4.6.4,REV=2006.11.16.20.40
-- INFO: No pkgparams for pkg SUNWpr 4.6.4,REV=2006.11.16.20.40
-- new_chk4patch 125358-15 for NSS: using pkg: SUNWprd
4.6.4,REV=2006.11.16.20.40
-- INFO: No pkgparams for pkg SUNWprd 4.6.4,REV=2006.11.16.20.40
-- new_chk4patch 125358-15 for NSS: using pkg: SUNWtls
3.11.4,REV=2006.11.16.20.40
-- INFO: No pkgparams for pkg SUNWtls 3.11.4,REV=2006.11.16.20.40
-- new_chk4patch 125358-15 for NSS: using pkg: SUNWtlsd
3.11.4,REV=2006.11.16.20.40
-- INFO: No pkgparams for pkg SUNWtlsd 3.11.4,REV=2006.11.16.20.40
-- new_chk4patch 125358-15 for NSS: using pkg: SUNWtlsu
3.11.4,REV=2006.11.16.20.40
-- INFO: No pkgparams for pkg SUNWtlsu 3.11.4,REV=2006.11.16.20.40
-- new_chk4patch 125358-15 for NSS: using pkg: SUNWjss
4.2.4,REV=2006.11.16.20.40
-- INFO: No pkgparams for pkg SUNWjss 4.2.4,REV=2006.11.16.20.40
NSS patch 125358-15 is not present.
-- chk4patch 119345-08 /tmp/.patchout_altroot_20140808182253.1016 SASL
-R /opt/altroot
-- new_chk4patch 119345-08 for SASL: using pkg: SUNWsas1
2.17,REV=2004.04.06.15.24
-- INFO: No pkgparams for pkg SUNWsas1 2.17,REV=2004.04.06.15.24
SASL patch 119345-08 is not present.
-- chk4patch 136798-03 /tmp/.patchout_altroot_20140808182253.1016
LDAPCSK6_TOOLS -R /opt/altroot
-- new_chk4patch 136798-03 for LDAPCSK6_TOOLS: using pkg:
SUNWldapcsk-tools 6.00,REV=2006.12.11.00.08
-- INFO: No pkgparams for pkg SUNWldapcsk-tools
6.00,REV=2006.12.11.00.08
LDAPCSK6_TOOLS patch 136798-03 is not present.
-- chk4patch 119810-07 /tmp/.patchout_altroot_20140808182253.1016 ICU -R
/opt/altroot
-- new_chk4patch 119810-07 for ICU: using pkg: SUNWicu
1.2,REV=2005.01.06.14.13
-- INFO: No pkgparams for pkg SUNWicu 1.2,REV=2005.01.06.14.13
ICU patch 119810-07 is not present.
-- chk4patch 125136-66 /tmp/.patchout_altroot_20140808182253.1016 JDK -R
/opt/altroot
-- new_chk4patch 125136-66 for JDK: using pkg: SUNWj6rt
1.6.0,REV=2006.11.29.05.57
-- INFO: No pkgparams for pkg SUNWj6rt 1.6.0,REV=2006.11.29.05.57
-- new_chk4patch 125136-66 for JDK: using pkg: SUNWj6rtx
1.6.0,REV=2006.11.29.04.58
-- INFO: No pkgparams for pkg SUNWj6rtx 1.6.0,REV=2006.11.29.04.58
-- new_chk4patch 125136-66 for JDK: using pkg: SUNWj6dev
1.6.0,REV=2006.11.29.05.57
-- INFO: No pkgparams for pkg SUNWj6dev 1.6.0,REV=2006.11.29.05.57

```

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-- new_chk4patch 125136-66 for JDK: using pkg: SUNWj6dvx
1.6.0,REV=2006.11.29.04.58
-- INFO: No pkgparams for pkg SUNWj6dvx 1.6.0,REV=2006.11.29.04.58
-- new_chk4patch 125136-66 for JDK: using pkg: SUNWj6cfg
1.6.0,REV=2006.11.29.05.57
-- INFO: No pkgparams for pkg SUNWj6cfg 1.6.0,REV=2006.11.29.05.57
JDK patch 125136-66 is not present.
-- chk4patch 125137-66 /tmp/.patchout_altroot_20140808182253.1016 JDK -R
/opt/altroot
-- new_chk4patch 125137-66 for JDK: using pkg: SUNWj6rt
1.6.0,REV=2006.11.29.05.57
-- INFO: No pkgparams for pkg SUNWj6rt 1.6.0,REV=2006.11.29.05.57
-- new_chk4patch 125137-66 for JDK: using pkg: SUNWj6rtx
1.6.0,REV=2006.11.29.04.58
-- INFO: No pkgparams for pkg SUNWj6rtx 1.6.0,REV=2006.11.29.04.58
-- new_chk4patch 125137-66 for JDK: using pkg: SUNWj6dev
1.6.0,REV=2006.11.29.05.57
-- INFO: No pkgparams for pkg SUNWj6dev 1.6.0,REV=2006.11.29.05.57
-- new_chk4patch 125137-66 for JDK: using pkg: SUNWj6dvx
1.6.0,REV=2006.11.29.04.58
-- INFO: No pkgparams for pkg SUNWj6dvx 1.6.0,REV=2006.11.29.04.58
-- new_chk4patch 125137-66 for JDK: using pkg: SUNWj6cfg
1.6.0,REV=2006.11.29.05.57
-- INFO: No pkgparams for pkg SUNWj6cfg 1.6.0,REV=2006.11.29.05.57
JDK patch 125137-66 is not present.
-- chk4patch 119725-06 /tmp/.patchout_altroot_20140808182253.1016
LDAPJDK -R /opt/altroot
-- new_chk4patch 119725-06 for LDAPJDK: using pkg: SUNWljdk
1.0,REV=2004.10.11.06.02
-- INFO: No pkgparams for pkg SUNWljdk 1.0,REV=2004.10.11.06.02
LDAPJDK patch 119725-06 is not present.
-- chk4patch 148582-06 /tmp/.patchout_altroot_20140808182253.1016 IMAPI
-R /opt/altroot
-- new_chk4patch 148582-06 for IMAPI: using pkg: SUNWiimdv
9.0,REV=2011.09.05
-- INFO: No pkgparams for pkg SUNWiimdv 9.0,REV=2011.09.05
IMAPI patch 148582-06 is not present.
-- chk4patch 137204-31 /tmp/.patchout_altroot_20140808182253.1016 MS64
-R /opt/altroot
-- new_chk4patch 137204-31 for MS64: using pkg: SUNWmessaging-server-64
7.0,REV=2008.06.20
-- INFO: No pkgparams for pkg SUNWmessaging-server-64 7.0,REV=2008.06.20
MS64 patch 137204-31 is not present.
-- chk4patch 118242-03 /tmp/.patchout_altroot_20140808182253.1016
DSSETUP -R /opt/altroot
-- new_chk4patch 118242-03 for DSSETUP: using pkg: SUNWcomds
6.3,REV=2004.08.12
-- INFO: No pkgparams for pkg SUNWcomds 6.3,REV=2004.08.12
DSSETUP patch 118242-03 is not present.
-- chk4patch 118245-26 /tmp/.patchout_altroot_20140808182253.1016
DSSETUP -R /opt/altroot
-- new_chk4patch 118245-26 for DSSETUP: using pkg: SUNWcomds
6.3,REV=2004.08.12
-- INFO: No pkgparams for pkg SUNWcomds 6.3,REV=2004.08.12
DSSETUP patch 118245-26 is not present.
-- chk4patch 142785-15 /tmp/.patchout_altroot_20140808182253.1016 DAV -R

```



```

/opt/altroot
-- new_chk4patch 142785-15 for DAV: using pkg: SUNWdavserver
7.0,REV=2009.08.27
-- INFO: No pkgparams for pkg SUNWdavserver 7.0,REV=2009.08.27
DAV patch 142785-15 is not present.
-- chk4patch 148579-06 /tmp/.patchout_altroot_20140808182253.1016 IM -R
/opt/altroot
-- new_chk4patch 148579-06 for IM: using pkg: SUNWiimin
9.0,REV=2011.09.05
-- INFO: No pkgparams for pkg SUNWiimin 9.0,REV=2011.09.05
-- new_chk4patch 148579-06 for IM: using pkg: SUNWiim 9.0,REV=2011.09.05
-- INFO: No pkgparams for pkg SUNWiim 9.0,REV=2011.09.05
-- new_chk4patch 148579-06 for IM: using pkg: SUNWiimm
9.0,REV=2011.09.05
-- INFO: No pkgparams for pkg SUNWiimm 9.0,REV=2011.09.05
-- new_chk4patch 148579-06 for IM: using pkg: SUNWiimjd
9.0,REV=2011.09.05
-- INFO: No pkgparams for pkg SUNWiimjd 9.0,REV=2011.09.05
-- new_chk4patch 148579-06 for IM: using pkg: SUNWiimid
9.0,REV=2011.09.05
-- INFO: No pkgparams for pkg SUNWiimid 9.0,REV=2011.09.05
-- new_chk4patch 148579-06 for IM: using pkg: SUNWiimgw
9.0,REV=2011.09.05
-- INFO: No pkgparams for pkg SUNWiimgw 9.0,REV=2011.09.05
-- new_chk4patch 148579-06 for IM: using pkg: SUNWiimw
9.0,REV=2011.09.05
-- INFO: No pkgparams for pkg SUNWiimw 9.0,REV=2011.09.05
-- new_chk4patch 148579-06 for IM: using pkg: SUNWiimfed
9.0,REV=2011.09.05
-- INFO: No pkgparams for pkg SUNWiimfed 9.0,REV=2011.09.05
IM patch 148579-06 is not present.
-- chk4patch 142824-22 /tmp/.patchout_altroot_20140808182253.1016 JISS
-R /opt/altroot
-- new_chk4patch 142824-22 for JISS: using pkg: SUNWjiss
1.0,REV=2009.09.09
-- INFO: No pkgparams for pkg SUNWjiss 1.0,REV=2009.09.09
JISS patch 142824-22 is not present.
-- chk4patch 124581-09 /tmp/.patchout_altroot_20140808182253.1016 DA -R
/opt/altroot
-- new_chk4patch 124581-09 for DA: using pkg: SUNWcommda
7.0,REV=2009.03.31
-- INFO: No pkgparams for pkg SUNWcommda 7.0,REV=2009.03.31
DA patch 124581-09 is not present.
-- chk4patch 137571-01 /tmp/.patchout_altroot_20140808182253.1016
IM_SCHA -R /opt/altroot
-- new_chk4patch 137571-01 for IM_SCHA: using pkg: SUNWiimsc
7.3,REV=2008.01.07.20.24.34
-- INFO: No pkgparams for pkg SUNWiimsc 7.3,REV=2008.01.07.20.24.34
IM_SCHA patch 137571-01 is not present.
===== QQQ detectProducts =====
QQQ Dumper
!!! present
$VAR1 = {
  'IWC' => {
    '2.0' => 'NOT_PRESENT',
    '3.0' => 'NOT_PRESENT',

```



```

'1.0' => 'NOT_PRESENT'
},
'SASL' => {
'2.19' => 'NOT_PRESENT'
},
'119345-08' => 'NOT_PRESENT',
'MS64_L10N' => {
'6.3' => 'NOT_PRESENT'
},
'119725-06' => 'NOT_PRESENT',
'119810-07' => 'NOT_PRESENT',
'MS' => {
'7.3_32' => 'NOT_PRESENT',
'7.2_32' => 'NOT_PRESENT',
'7.5_32' => 'NOT_PRESENT',
'6.3_32' => 'NOT_PRESENT'
},
'137571-01' => 'NOT_PRESENT',
'142785-15' => 'NOT_PRESENT',
'DSSETUP' => {
'6.4' => 'NOT_PRESENT'
},
'126868-04' => 'PRESENT',
'119254-88' => 'PRESENT',
'120900-04' => 'PRESENT',
'119963-27' => 'PRESENT',
'MQ_L10N' => {
'4.3' => 'NOT_PRESENT',
'3.7' => 'NOT_PRESENT',
'4.1' => 'NOT_PRESENT',
'4.4' => 'NOT_PRESENT'
},
'ICU' => {
'ICU2,ICU3' => 'NOT_PRESENT'
},
'120272-28' => 'PRESENT',
'MS64' => {
'7.5' => 'NOT_PRESENT',
'7.3_32' => 'NOT_PRESENT',
'7.5_32' => 'NOT_PRESENT',
'7.2_32' => 'NOT_PRESENT',
'6.3' => 'NOT_PRESENT',
'6.3_32' => 'NOT_PRESENT'
},
'DAV' => {
'7.4' => 'NOT_PRESENT'
},
'LDAPCSKD6' => {
'6.0' => 'NOT_PRESENT'
},
'CE' => {
'6.3' => 'NOT_PRESENT'
},
'JDK' => {
'1.6.0' => 'NOT_PRESENT',
'1.5.0' => 'NOT_PRESENT'
}

```

```

},
'MYSQL' => {
'5.1.36' => 'NOT_PRESENT',
'5.5.8' => 'NOT_PRESENT'
},
'PATCHUTILS' => {
'Unknown' => 'PRESENT'
},
'MQ' => {
'4.3' => 'NOT_PRESENT',
'3.7' => 'NOT_PRESENT',
'4.1' => 'NOT_PRESENT',
'4.4' => 'NOT_PRESENT'
},
'124581-09' => 'NOT_PRESENT',
'125358-15' => 'NOT_PRESENT',
'CI' => {
'7.6' => 'NOT_PRESENT'
},
'IMAPI' => {
'8.0' => 'NOT_PRESENT',
'7.0' => 'NOT_PRESENT',
'7.3' => 'NOT_PRESENT',
'9.2' => 'NOT_PRESENT'
},
'137321-01' => 'PRESENT',
'LDAPCSDK6_TOOLS' => {
'6.0' => 'NOT_PRESENT'
},
'125136-66' => 'NOT_PRESENT',
'JISS' => {
'0.9' => 'NOT_PRESENT',
'1.5' => 'NOT_PRESENT'
},
'NSS' => {
'4.8.9' => 'NOT_PRESENT'
},
'CS_L10N' => {
'6.2' => 'NOT_PRESENT',
'6.3' => 'NOT_PRESENT'
},
'ST' => {
'1.1.4' => 'PRESENT'
},
'IM' => {
'8.3' => 'NOT_PRESENT',
'7.0' => 'NOT_PRESENT',
'7.3' => 'NOT_PRESENT',
'9.2' => 'NOT_PRESENT'
},
'RECOMMENDED' => {
'2013.02.19' => 'PRESENT'
},
'137204-31' => 'NOT_PRESENT',
'IM_L10N' => {
'7.2' => 'NOT_PRESENT',

```

```

'7.0' => 'NOT_PRESENT'
},
'NAB' => {
'8.0' => 'NOT_PRESENT'
},
'136798-03' => 'NOT_PRESENT',
'125137-66' => 'NOT_PRESENT',
'148579-06' => 'NOT_PRESENT',
'148582-06' => 'NOT_PRESENT',
'CS_SCHA' => {
'6.0' => 'NOT_PRESENT',
'6.3' => 'NOT_PRESENT'
},
'LDAPJDK' => {
'4.21' => 'NOT_PRESENT'
},
'MYSQL_MARKER' => {
'1.1' => 'NOT_PRESENT',
'1.0' => 'NOT_PRESENT'
},
'BZIP' => {
'11.10' => 'PRESENT'
},
'142824-22' => 'NOT_PRESENT',
'IM_SCHA' => {
'7.0' => 'NOT_PRESENT',
'7.3' => 'NOT_PRESENT'
},
'MS_L10N' => {
'6.2' => 'NOT_PRESENT',
'6.3' => 'NOT_PRESENT'
},
'118245-26' => 'NOT_PRESENT',
'LIBCPLUSPLUS' => {
'5.9' => 'PRESENT'
},
'121133-02' => 'PRESENT',
'118242-03' => 'NOT_PRESENT',
'MS_SCHA' => {
'6.0' => 'NOT_PRESENT',
'7.0' => 'NOT_PRESENT'
},
'147147-26' => 'NOT_PRESENT',
'CS' => {
'6.3' => 'NOT_PRESENT'
},
'JHRT' => {
'2.0' => 'NOT_PRESENT'
},
'CE_L10N' => {
'6.2' => 'NOT_PRESENT',
'6.3' => 'NOT_PRESENT'
},
'DA' => {
'6.4' => 'NOT_PRESENT',
'7.0' => 'NOT_PRESENT'
}

```

```

}
};
!!! pkgparams
$VAR1 = {
'SUNWica5' => {},
'SUNWmsgja' => {},
'SUNWcomic' => {},
'SUNWservicetagu' => {
'1.1.4,REV=2008.03.21.07.54' => [
'SUNWservicetagu',
'/',
'1.1.4.1',
'',
[],
[],
'1.1.4,REV=2008.03.21.07.54'
]
},
'SUNWnabserver' => {},
'SUNWjimid' => {},
'SUNWdiquc' => {},
'SUNWmsgko' => {},
'SUNWics5' => {},
'SUNWmessaging-server-l10n-64' => {},
'SUNWiqlpl' => {},
'SUNWmsgco' => {},
'SUNWfiquc' => {},
'SUNWjiss-extjars' => {},
'SUNWjhdem' => {},
'SUNWiqfs' => {},
'SUNWfimid' => {},
'SUNWcomds' => {},
'SUNWjhdev' => {},
'SUNWj6rtx' => {},
'SUNWiqum' => {},
'SUNWduwc' => {},
'SUNWhiimin' => {},
'SUNWkiimin' => {},
'SUNWeiimd' => {},
'SUNWj6rt' => {},
'SUNWj5rt' => {},
'SUNWckr' => {
'11.10.0,REV=2005.01.21.15.53' => [
'SUNWckr',
'/',
'5.10/Generic',
'',
[
'118918-24',
'119578-30',
'120311-02',
'138217-01',
'118833-36',
'121337-01',
'128310-01',
'146320-03',

```

```

'120011-14',
'127127-11',
'128332-01',
'137032-01',
'137137-09',
'137282-01',
'139555-08',
'141444-09',
'142332-03',
'142394-01',
'142909-17',
'144500-19',
'144534-02',
'145204-01',
'145919-02',
'145940-01',
'146060-01',
'146236-02',
'146283-01',
'146652-01',
'146834-01',
'147192-01',
'147440-01',
'121778-12',
'121780-12',
'123259-12',
'125095-15',
'125888-01',
'138287-07',
'138289-07',
'800111-04',
'800113-04',
'800120-08',
'800122-08',
'800151-15',
'800153-15',
'800200-15',
'800202-16',
'144524-02',
'147159-03',
'147440-12'
],
[
'116781-02',
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'11.10.0,REV=2005.01.21.15.53'
]
},
'SUNWesics' => {},
'SUNWiimm' => {}
};
!!! installedprod
$VAR1 = {
'PATCHUTILS' => {
'Unknown' => [
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'Unknown',
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'Not Found',
'Not Found',
'',
'Not Found'
]
},
'ST' => {
'1.1.4' => [
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'',
'Not Found'
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},
'LIBCPLUSPLUS' => {
'5.9' => [
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}
}

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'Not Found',
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'Not Found',
'',
'Not Found'
]
},
'BZIP' => {
'11.10' => [
'/',
'5.10/SunOS Development',
'Not Found',
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'Not Found',
'Not Found',
'',
'Not Found'
]
}
};
!!! pkglist detectProducts
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],
'3.0' => [
'SUNWiwc',
'3.0,REV=2014.06.30'
],
'1.0' => [
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'1.0,REV=2008.07.07'
]
},
'SASL' => {
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]
},
'MS64_L10N' => {
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},
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'SUNWmsgmt',
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'SUNWmsgwm',
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'SUNWmsgmf',
'6.0,REV=2003.10.29'
]
},
'DSSETUP' => {
'6.4' => [
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'6.3,REV=2004.08.12'
]
},
'MQ_L10N' => {
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'5.5.8' => [
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],
'9.2' => [
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},
'LDAPCSDK6_TOOLS' => {
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]
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'ST' => {
'1.1.4' => [
'SUNWservicetagr',
'1.1.4,REV=2008.03.21.07.54',
'SUNWservicetagu',
'1.1.4,REV=2008.03.21.07.54',
'SUNWstosreg',
'1.1.4,REV=2008.03.21.07.54'
],
},
'IM' => {
'8.3' => [
'SUNWiim',
'8.0,REV=2008.12.04',
'SUNWiimin',
'8.0,REV=2008.12.04',
'SUNWiimm',
'8.0,REV=2008.12.04',
'SUNWiimjd',
'8.0,REV=2008.12.04',
'SUNWiimid',
'8.0,REV=2008.12.04',
'SUNWiimc',
'8.0,REV=2008.12.04',
'SUNWiimd',
'8.0,REV=2008.12.04',
'SUNWiimgw',
'8.0,REV=2008.12.04'
],
'7.0' => [
'SUNWiimin',
'7.0,REV=2004.11.24.05.24.36',
'SUNWiim',
'7.0,REV=2004.11.24.05.24.36',
'SUNWiimm',
'7.0,REV=2004.11.24.05.24.36',
'SUNWiimjd',
'7.0,REV=2004.11.24.05.24.36',
'SUNWiimid',
'7.0,REV=2004.11.24.05.24.36',
'SUNWiimc',
'7.0,REV=2004.11.24.05.24.36',
'SUNWiimd',
'7.0,REV=2004.11.24.05.24.36'
],
'7.3' => [
'SUNWiim',
'7.3,REV=2008.01.15',
'SUNWiimin',
'7.3,REV=2008.01.15',
'SUNWiimm',
'7.3,REV=2008.01.15',

```

```

'SUNWiimjd',
'7.3,REV=2008.01.15',
'SUNWiimid',
'7.3,REV=2008.01.15',
'SUNWiimc',
'7.3,REV=2008.01.15',
'SUNWiimd',
'7.3,REV=2008.01.15'
],
'9.2' => [
'SUNWiimin',
'9.0,REV=2011.09.05',
'SUNWiim',
'9.0,REV=2011.09.05',
'SUNWiimm',
'9.0,REV=2011.09.05',
'SUNWiimjd',
'9.0,REV=2011.09.05',
'SUNWiimid',
'9.0,REV=2011.09.05',
'SUNWiimgw',
'9.0,REV=2011.09.05',
'SUNWiimw',
'9.0,REV=2011.09.05',
'SUNWiimfed',
'9.0,REV=2011.09.05'
]
},
'RECOMMENDED' => {
'2013.02.19' => [
'SUNWckr',
'11.10.0,REV=2005.01.21.15.53',
'SUNWbzip',
'11.10.0,REV=2005.01.08.05.16',
'SUNWpkgcmdsu',
'11.11,REV=2005.01.09.23.05'
]
},
'IM_L10N' => {
'7.2' => [
'SUNWiimc-l10n',
'7.2,REV=2006.12.19.04.40.00',
'SUNWiimd-l10n',
'7.2,REV=2006.10.26.04.19.15',
'SUNWiimid-l10n',
'7.2,REV=2006.10.26.04.19.19',
'SUNWiimin-l10n',
'7.2,REV=2006.10.26.04.19.22'
],
'7.0' => [
'SUNWdiimc',
'7.0,REV=2004.11.24.05.29',
'SUNWdiimd',
'7.0,REV=2004.11.24.05.29',
'SUNWdimid',
'7.0,REV=2004.11.24.05.29',

```



```

'SUNWeiimc',
'7.0,REV=2004.11.24.05.29',
'SUNWeiimd',
'7.0,REV=2004.11.24.05.29',
'SUNWeiimin',
'7.0,REV=2004.11.24.05.29',
'SUNWeimid',
'7.0,REV=2004.11.24.05.29',
'SUNWfiimc',
'7.0,REV=2004.11.24.05.30',
'SUNWfiimd',
'7.0,REV=2004.11.24.05.30',
'SUNWfiimin',
'7.0,REV=2004.11.24.05.30',
'SUNWfimid',
'7.0,REV=2004.11.24.05.30',
'SUNWjiimc',
'7.0,REV=2004.11.24.05.26',
'SUNWjiimd',
'7.0,REV=2004.11.24.05.26',
'SUNWjiimin',
'7.0,REV=2004.11.24.05.26',
'SUNWjimid',
'7.0,REV=2004.11.24.05.26',
'SUNWkiimc',
'7.0,REV=2004.11.24.05.26',
'SUNWkiimd',
'7.0,REV=2004.11.24.05.27',
'SUNWkiimin',
'7.0,REV=2004.11.24.05.26',
'SUNWkimid',
'7.0,REV=2004.11.24.05.27',
'SUNWciimc',
'7.0,REV=2004.11.24.05.27',
'SUNWciimd',
'7.0,REV=2004.11.24.05.27',
'SUNWciimin',
'7.0,REV=2004.11.24.05.27',
'SUNWcimid',
'7.0,REV=2004.11.24.05.27',
'SUNWhiimc',
'7.0,REV=2004.11.24.05.28',
'SUNWhiimd',
'7.0,REV=2004.11.24.05.28',
'SUNWhiimin',
'7.0,REV=2004.11.24.05.28',
'SUNWhimid',
'7.0,REV=2004.11.24.05.28'
]
},
'NAB' => {
'8.0' => [
'SUNwnabserver',
'8.0,REV=2014.05.22'
]
},

```

```

'CS_SCHA' => {
'6.0' => [
'SUNWscics',
'6.0,REV=2003.11.14'
],
'6.3' => [
'SUNWscics',
'6.3,REV=2008.03.31.18.10.20'
]
},
'LDAPJDK' => {
'4.21' => [
'SUNWljdk',
'1.0,REV=2004.10.11.06.02'
]
},
'BZIP' => {
'11.10' => [
'SUNWbzip',
'11.10.0,REV=2005.01.08.05.16'
]
},
'MYSQL_MARKER' => {
'1.1' => [
'SUNWcomms-mysql-marker',
'1.1,REV=2011.09.09'
],
'1.0' => [
'SUNWcomms-mysql-marker',
'1.0,REV=2009.09.09'
]
},
'IM_SCHA' => {
'7.0' => [
'SUNWiimsc',
'7.0,REV=2005.08.03.09.41.41'
],
'7.3' => [
'SUNWiimsc',
'7.3,REV=2008.01.07.20.24.34'
]
},
'MS_L10N' => {
'6.2' => [
'SUNWmsgde',
'6.0,REV=2003.10.10',
'SUNWmsges',
'6.0,REV=2003.10.10',
'SUNWmsgfr',
'6.0,REV=2003.10.10',
'SUNWmsgja',
'6.0,REV=2003.10.10',
'SUNWmsgko',
'6.0,REV=2003.10.10',
'SUNWmsgzh',
'6.0,REV=2003.10.10',

```

```

'SUNWmsgtw',
'6.0,REV=2003.10.10'
],
'6.3' => [
'SUNWmsg-l10n',
'6.3,REV=2006.12.20'
]
},
'LIBCPLUSPLUS' => {
'5.9' => [
'SUNWlibc',
'5.10,REV=2004.12.22'
]
},
'MS_SCHA' => {
'6.0' => [
'SUNWscims',
'6.0,REV=2003.10.29'
],
'7.0' => [
'SUNWmessaging-server-scha',
'7.0,REV=2008.05.19'
]
},
'CS' => {
'6.3' => [
'SUNWics5',
'6.0,REV=2003.11.14.18.12.58',
'SUNWica5',
'6.0,REV=2003.11.14.18.12.58'
]
},
'JHRT' => {
'2.0' => [
'SUNWjhrt',
'2.0,REV=2006.10.31',
'SUNWjhdev',
'2.0,REV=2006.10.04',
'SUNWjhdev',
'2.0,REV=2006.10.04',
'SUNWjhdev',
'2.0,REV=2006.10.04'
]
},
'CE_L10N' => {
'6.2' => [
'SUNWduwc',
'6.1,REV=2004.04.23',
'SUNWeuwc',
'6.1,REV=2004.04.23',
'SUNWfuwc',
'6.1,REV=2004.04.23',
'SUNWjuwc',
'6.1,REV=2004.04.23',
'SUNWkuwc',
'6.1,REV=2004.04.23',

```

```

'SUNWcuwc',
'6.1,REV=2004.04.23',
'SUNWhuwc',
'6.1,REV=2004.04.23'
],
'6.3' => [
'SUNWuwc-l10n',
'6.1,REV=2006.12.14.03.02.41'
]
},
'DA' => {
'6.4' => [
'SUNWcomic',
'1.0,REV=2003.10.29',
'SUNWcomis',
'1.0,REV=2003.10.29'
],
'7.0' => [
'SUNWcommda',
'7.0,REV=2009.03.31'
]
}
};
===== End QQQ detectProducts =====
-- Checking for RECOMMENDED patch 119254-88
patch is PRESENT
-- Checking for RECOMMENDED patch 120272-28
patch is PRESENT
-- Checking for RECOMMENDED patch 147147-26
patch 147147-26: NOT_PRESENT
NOTICE: The OS Recommended Patch Cluster (as of 2013.02.19)
has not been applied. Specifically the following
patches are missing:
147147-26
NOTICE: You must apply the latest OS Recommended Patchset
Some products will not work properly without it
Do you want to continue ? [no] : yes
=====
===== QQQ =====
QQQ Dumper
!!! isUpgradable
$VAR1 = {};
!!! usePkgUpgradeFlag
$VAR1 = {};
Product Selection:

Shared Components (not shown) will be installed as required.
you will be prompted later if Shared Components need to be upgraded.
OS patches (not shown) will be installed as required.

Communication Products:

Item Description
-----
1 Messaging Server (64bit) 7.0.5.31.0
2 Comms DSsetup 6.4.0.26.0

```

```

3 Calendar Server 7.0.4.15.0
4 Instant Messaging 9.0.2.6.0
5 Convergence 3.0.0.1.0
6 Indexing and Search Service 1.0.5.22.0
7 Comms Delegated Administrator 7.0.0.9.0
8 Contacts Server 8.0.0.0.0
9 Messaging Server Sun Cluster HA agent 7.0 (7.0-0.03)
10 Instant Messaging Sun Cluster HA agent 7.3 (7.3-01.02)

```

Enter the items you wish to install. Enter q to quit.
Prefix an item with ~ to indicate you only want
to install shared component dependencies of that product
You can enter multiple items using commas to separate them.
For example: 1,2

Please select the products you wish to install [1, 2, 3, 4, 5, 6, 7, 8,
9, 10]: =====

QQQ selections: 0 MS64 0 DSSETUP 0 DAV 0 IM 0 IWC 0 JISS 0 DA 0 NAB 0
MS_SCHA 0 IM_SCHA

Generating list of things to install...

NOTICE: toInstall - PATCHUTILS IMAPI JDK ICU SASL LDAPCSDK6_TOOLS NSS MQ
MQ_L10N LDAPCSDK6 BZIP JHRT LIBCPLUSPLUS MS64 DSSETUP DAV IM IWC JISS DA
NAB MS_SCHA IM_SCHA CI

Checking for Shared Component Upgrade Requirements...

=====

WILL INSTALL: Instant Messaging API 9u2

Task: pkgadd -a

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/..

-n -R /opt/altroot -d

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su

-r /tmp/.response_IMAPI_20140808182253 SUNWiimdv

WARNING: JDK is not in the distro, it will NOT be installed...

Please obtain and install it separately

WILL INSTALL: International Components for Unicode ICU2,ICU3

Task: pkgadd -a

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/..

-n -R /opt/altroot -d

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su

-r /tmp/.response_ICU_20140808182253 SUNWicu

WILL INSTALL: Simple Authentication and Security Layer 2.19

Task: pkgadd -a

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/..

-n -R /opt/altroot -d

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su

-r /tmp/.response_SASL_20140808182253 SUNWsas1

WILL INSTALL: LDAPCSDK6 Tools 6.0

to /opt/altroot/directory

Task: pkgadd -a

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/..

-n -R /opt/altroot -d

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su

-r /tmp/.response_LDAPCSDK6_TOOLS_20140808182253 SUNWldapcsdk-tools

WILL INSTALL: NSPR/NSS/JSS 4.8.9

Task: pkgadd -a

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/..

```

-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_NSS_20140808182253 SUNWpr
Task: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_NSS_20140808182253 SUNWprd
Task: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_NSS_20140808182253 SUNWtls
Task: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_NSS_20140808182253 SUNWtlsd
Task: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_NSS_20140808182253 SUNWtlsu
Task: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_NSS_20140808182253 SUNWjss
WILL INSTALL: Message Queue 4.4
Task: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_20140808182253 SUNWiqr
Task: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_20140808182253 SUNWiqu
Task: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_20140808182253 SUNWiqdoc
Task: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_20140808182253 SUNWiquc
Task: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_20140808182253 SUNWiqum
Task: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i

```

```

-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_20140808182253 SUNWiqjx
Task: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_20140808182253 SUNWiqfs
Task: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_20140808182253 SUNWiqcrt
Task: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_20140808182253 SUNWiqcdv
Task: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_20140808182253 SUNWiqlen
WILL INSTALL: Message Queue Localization 4.4
Task: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_L10N_20140808182253 SUNWfiqu
Task: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_L10N_20140808182253 SUNWfiquc
Task: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_L10N_20140808182253 SUNWdiqu
Task: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_L10N_20140808182253 SUNWdiquc
Task: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_L10N_20140808182253 SUNWjiqu
Task: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_L10N_20140808182253 SUNWjiquc
Task: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i

```

```

-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_L10N_20140808182253 SUNWeiqu
Task: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_L10N_20140808182253 SUNWeiquc
Task: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_L10N_20140808182253 SUNWkiqu
Task: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_L10N_20140808182253 SUNWkiquc
Task: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_L10N_20140808182253 SUNWciqu
Task: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_L10N_20140808182253 SUNWciquc
Task: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_L10N_20140808182253 SUNWhiqu
Task: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_L10N_20140808182253 SUNWhiquc
WILL INSTALL: LDAPCSDK6 6.0
Task: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_LDAPCSDK6_20140808182253 SUNWldapcsdk-libs
Task: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_LDAPCSDK6_20140808182253 SUNWldapcsdk-dev
WILL INSTALL: Java Help Runtime 2.0
Task: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_JHRT_20140808182253 SUNWjhrt
Task: pkgadd -a

```



```

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_JHRT_20140808182253 SUNWjhdev
Task: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_JHRT_20140808182253 SUNWjhdem
Task: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_JHRT_20140808182253 SUNWjhdoc
WILL INSTALL: Messaging Server (64bit) 7.0.5.31.0
to /opt/altroot/messaging64
Task: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MS64_20140808182253 SUNWmessaging-server-64
WILL INSTALL: Comms DSsetup 6.4.0.26.0
to /opt/altroot/dssetup
Task: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_DSSETUP_20140808182253 SUNWcomds
WILL INSTALL: Calendar Server 7.0.4.15.0
to /opt/altroot/davserver
Task: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_DAV_20140808182253 SUNWdavserver
WILL INSTALL: Instant Messaging 9.0.2.6.0
to /opt/altroot/im
Task: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_IM_20140808182253 SUNWiimin
Task: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_IM_20140808182253 SUNWiim
Task: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_IM_20140808182253 SUNWiimm
Task: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su

```

```

-r /tmp/.response_IM_20140808182253 SUNWiimjd
Task: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_IM_20140808182253 SUNWiimid
Task: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_IM_20140808182253 SUNWiimgw
Task: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_IM_20140808182253 SUNWiimw
Task: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_IM_20140808182253 SUNWiimfed
WILL INSTALL: Convergence 3.0.0.1.0
to /opt/altroot/iwc
Task: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_IWC_20140808182253 SUNWiwc
WILL INSTALL: Indexing and Search Service 1.0.5.22.0
to /opt/altroot/jiss
Task: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_JISS_20140808182253 SUNWjiss
WILL INSTALL: Comms Delegated Administrator 7.0.0.9.0
to /opt/altroot/da
Task: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_DA_20140808182253 SUNWcommda
WILL INSTALL: Contacts Server 8.0.0.0.0
to /opt/altroot/nabserver
Task: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_NAB_20140808182253 SUNWnabserver
WILL INSTALL: Messaging Server Sun Cluster HA agent 7.0 (7.0-0.03)
to /opt/altroot/msg_scha
Task: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MS_SCHA_20140808182253 SUNWmessaging-server-scha

```

```

WILL INSTALL: Instant Messaging Sun Cluster HA agent 7.3 (7.3-01.02)
to /opt/altroot/im_scha
Task: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/..
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_IM_SCHA_20140808182253 SUNWiimsc
WILL INSTALL: CommsInstaller 7.0.6.0.0
to /opt/altroot/CommsInstaller
Task: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/..
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_CI_20140808182253 SUNWcomms
=====
Ready to install

Do you want to continue ? [yes] :

=====
Installing Instant Messaging API 9u2...
----- Executing Task 1 of 58 ...
pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/..
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_IMAPI_20140808182253 SUNWiimdv 2>&1
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Installation of <SUNWiimdv> was successful.
-- Exit status: 0

=====
Installing International Components for Unicode ICU2,ICU3...
----- Executing Task 2 of 58 ...
pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/..
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_ICU_20140808182253 SUNWicu 2>&1
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96793 blocks

Installation of <SUNWicu> was successful.
-- Exit status: 0

=====
Installing Simple Authentication and Security Layer 2.19...
----- Executing Task 3 of 58 ...
pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/...
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su...
-r /tmp/.response_SASL_20140808182253 SUNWsas1 2>&1
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Installation of <SUNWsas1> was successful.
-- Exit status: 0

=====
Installing LDAPSDK6 Tools 6.0...
----- Executing Task 4 of 58 ...
pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/...
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su...
-r /tmp/.response_LDAPSDK6_TOOLS_20140808182253 SUNWldapcsdk-tools 2>&1
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Installation of <SUNWldapcsdk-tools> was successful.
-- Exit status: 0

```

=====
Installing NSPR/NSS/JSS 4.8.9...
----- Executing Task 5 of 58 ...
pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.3
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_NSS_20140808182253 SUNWpr 2>&1
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Installation of <SUNWpr> was successful.

```

```
-- Exit status: 0
----- Executing Task 6 of 58 ...
pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.5
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_NSS_20140808182253 SUNWprd 2>&1
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Installation of <SUNWprd> was successful.
-- Exit status: 0
----- Executing Task 7 of 58 ...
```

```

pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.3
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_NSS_20140808182253 SUNWtls 2>&1
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Installation of <SUNWtls> was successful.
-- Exit status: 0
----- Executing Task 8 of 58 ...
pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.3

```

```
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_NSS_20140808182253 SUNWtlsd 2>&1
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```

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Installation of <SUNWtlsd> was successful.

-- Exit status: 0

----- Executing Task 9 of 58 ...

pkgadd -a

```
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
```



```
-r /tmp/.response_NSS_20140808182253 SUNWt1su 2>&1
```

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Installation of <SUNWt1su> was successful.

-- Exit status: 0

----- Executing Task 10 of 58 ...

pkgadd -a

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.5

-n -R /opt/altroot -d

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su

```
-r /tmp/.response_NSS_20140808182253 SUNWjss 2>&1
```

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Installation of <SUNWjss> was successful.

-- Exit status: 0

=====

Installing Message Queue 4.4...

----- Executing Task 11 of 58 ...

pkgadd -a

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/..

-n -R /opt/altroot -d

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su

-r /tmp/.response_MQ_20140808182253 SUNWiqr 2>&1

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Installation of <SUNWiqr> was successful.

-- Exit status: 0

----- Executing Task 12 of 58 ...

pkgadd -a

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.

-n -R /opt/altroot -d

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su

-r /tmp/.response_MQ_20140808182253 SUNWiqu 2>&1

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Use is subject to license terms.

Installation of <SUNWiqu> was successful.

-- Exit status: 0

----- Executing Task 13 of 58 ...

pkgadd -a

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.

-n -R /opt/altroot -d

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su

-r /tmp/.response_MQ_20140808182253 SUNWiqdoc 2>&1

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Installation of <SUNWiqdoc> was successful.

-- Exit status: 0

----- Executing Task 14 of 58 ...

pkgadd -a

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.

-n -R /opt/altroot -d

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su

-r /tmp/.response_MQ_20140808182253 SUNWiquc 2>&1

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Installation of <SUNWiquc> was successful.

-- Exit status: 0

----- Executing Task 15 of 58 ...

pkgadd -a

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.

-n -R /opt/altroot -d

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su

-r /tmp/.response_MQ_20140808182253 SUNWiquim 2>&1

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Installation of <SUNWiquim> was successful.

-- Exit status: 0

----- Executing Task 16 of 58 ...

pkgadd -a

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.

-n -R /opt/altroot -d

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su

-r /tmp/.response_MQ_20140808182253 SUNWiqjx 2>&1

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Installation of <SUNWiqjx> was successful.

-- Exit status: 0

----- Executing Task 17 of 58 ...

pkgadd -a

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/..

-n -R /opt/altroot -d

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su

-r /tmp/.response_MQ_20140808182253 SUNWiqfs 2>&1

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Use is subject to license terms.

Installation of <SUNWiqfs> was successful.

-- Exit status: 0

----- Executing Task 18 of 58 ...

pkgadd -a

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/..

-n -R /opt/altroot -d

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su

-r /tmp/.response_MQ_20140808182253 SUNWiqcrt 2>&1

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Installation of <SUNWiqcrt> was successful.

-- Exit status: 0

----- Executing Task 19 of 58 ...

pkgadd -a

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/..

-n -R /opt/altroot -d

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su

-r /tmp/.response_MQ_20140808182253 SUNWiqcdv 2>&1

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Installation of <SUNWiqcdv> was successful.

-- Exit status: 0

----- Executing Task 20 of 58 ...

pkgadd -a

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/..

-n -R /opt/altroot -d

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su

-r /tmp/.response_MQ_20140808182253 SUNWiqlen 2>&1

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Installation of <SUNWiqlen> was successful.

-- Exit status: 0

=====

Installing Message Queue Localization 4.4...

----- Executing Task 21 of 58 ...

pkgadd -a

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/..

-n -R /opt/altroot -d

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su

```

-r /tmp/.response_MQ_L10N_20140808182253 SUNWfiqu 2>&1
Copyright 2009 Sun Microsystems, Inc. All rights reserved.
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Installation of <SUNWfiqu> was successful.
-- Exit status: 0
----- Executing Task 22 of 58 ...
pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_L10N_20140808182253 SUNWfiquc 2>&1
Copyright 2009 Sun Microsystems, Inc. All rights reserved.
Use is subject to license terms.

Installation of <SUNWfiquc> was successful.
-- Exit status: 0
----- Executing Task 23 of 58 ...
pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_L10N_20140808182253 SUNWdiqu 2>&1
Copyright 2009 Sun Microsystems, Inc. All rights reserved.
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Installation of <SUNWdiqu> was successful.
-- Exit status: 0
----- Executing Task 24 of 58 ...
pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_L10N_20140808182253 SUNWdiquc 2>&1
Copyright 2009 Sun Microsystems, Inc. All rights reserved.
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Installation of <SUNWdiquc> was successful.
-- Exit status: 0
----- Executing Task 25 of 58 ...
pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_L10N_20140808182253 SUNWjiqu 2>&1
Copyright 2009 Sun Microsystems, Inc. All rights reserved.
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Installation of <SUNWjiqu> was successful.
-- Exit status: 0
----- Executing Task 26 of 58 ...
pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_L10N_20140808182253 SUNWjiquc 2>&1

```

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Installation of <SUNWjiquc> was successful.

-- Exit status: 0

----- Executing Task 27 of 58 ...

pkgadd -a

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.

-n -R /opt/altroot -d

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su

-r /tmp/.response_MQ_L10N_20140808182253 SUNWeiqu 2>&1

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Installation of <SUNWeiqu> was successful.

-- Exit status: 0

----- Executing Task 28 of 58 ...

pkgadd -a

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.

-n -R /opt/altroot -d

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su

-r /tmp/.response_MQ_L10N_20140808182253 SUNWeiquc 2>&1

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Installation of <SUNWeiquc> was successful.

-- Exit status: 0

----- Executing Task 29 of 58 ...

pkgadd -a

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.

-n -R /opt/altroot -d

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su

-r /tmp/.response_MQ_L10N_20140808182253 SUNWkiqu 2>&1

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Installation of <SUNWkiqu> was successful.

-- Exit status: 0

----- Executing Task 30 of 58 ...

pkgadd -a

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.

-n -R /opt/altroot -d

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su

-r /tmp/.response_MQ_L10N_20140808182253 SUNWkiquc 2>&1

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Installation of <SUNWkiquc> was successful.

-- Exit status: 0

----- Executing Task 31 of 58 ...

pkgadd -a

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.

-n -R /opt/altroot -d

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su

-r /tmp/.response_MQ_L10N_20140808182253 SUNWciqu 2>&1

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Installation of <SUNWciqu> was successful.

-- Exit status: 0

----- Executing Task 32 of 58 ...

pkgadd -a

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/..

-n -R /opt/altroot -d

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su

-r /tmp/.response_MQ_L10N_20140808182253 SUNWciquc 2>&1

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Installation of <SUNWciquc> was successful.

-- Exit status: 0

----- Executing Task 33 of 58 ...

pkgadd -a

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/..

-n -R /opt/altroot -d

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su

-r /tmp/.response_MQ_L10N_20140808182253 SUNWhiqu 2>&1

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Installation of <SUNWhiqu> was successful.

-- Exit status: 0

----- Executing Task 34 of 58 ...

pkgadd -a

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/..

-n -R /opt/altroot -d

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su

-r /tmp/.response_MQ_L10N_20140808182253 SUNWhiquc 2>&1

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Installation of <SUNWhiquc> was successful.

-- Exit status: 0

=====

Installing LDAPCSDK6 6.0...

----- Executing Task 35 of 58 ...

pkgadd -a

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/..

-n -R /opt/altroot -d

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su

-r /tmp/.response_LDAPCSDK6_20140808182253 SUNWldapcsdk-libs 2>&1

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Installation of <SUNWldapcsdk-libs> was successful.

-- Exit status: 0

----- Executing Task 36 of 58 ...

pkgadd -a

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/..

-n -R /opt/altroot -d

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su

```

-r /tmp/.response_LDAPCSDK6_20140808182253 SUNWldapcsdk-dev 2>&1
Copyright 2005 Sun Microsystems, Inc. All rights reserved. Use is
subject to license terms.

Installation of <SUNWldapcsdk-dev> was successful.
-- Exit status: 0

=====
Installing Java Help Runtime 2.0...
----- Executing Task 37 of 58 ...
pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_JHRT_20140808182253 SUNWjhrt 2>&1
Copyright 2006 Sun Microsystems, Inc. All rights reserved.
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1127 blocks

Installation of <SUNWjhrt> was successful.
-- Exit status: 0
----- Executing Task 38 of 58 ...
pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_JHRT_20140808182253 SUNWjhdev 2>&1
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709 blocks

Installation of <SUNWjhdev> was successful.
-- Exit status: 0
----- Executing Task 39 of 58 ...
pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_JHRT_20140808182253 SUNWjhdem 2>&1
Copyright 2006 Sun Microsystems, Inc. All rights reserved.
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6466 blocks

Installation of <SUNWjhdem> was successful.
-- Exit status: 0
----- Executing Task 40 of 58 ...
pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_JHRT_20140808182253 SUNWjhdoc 2>&1
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10385 blocks

Installation of <SUNWjhdoc> was successful.

```



```
-- Exit status: 0

=====
Installing Messaging Server (64bit) 7.0.5.31.0...
----- Executing Task 41 of 58 ...
pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/...
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MS64_20140808182253 SUNWmessaging-server-64 2>&1
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Installation of <SUNWmessaging-server-64> was successful.
-- Exit status: 0

=====
Installing Comms DSsetup 6.4.0.26.0...
----- Executing Task 42 of 58 ...
pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/...
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_DSSETUP_20140808182253 SUNWcomds 2>&1
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Installation of <SUNWcomds> was successful.
-- Exit status: 0

=====
Installing Calendar Server 7.0.4.15.0...
----- Executing Task 43 of 58 ...
pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/...
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_DAV_20140808182253 SUNWdavserver 2>&1
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Installation of <SUNWdavserver> was successful.
-- Exit status: 0

=====
Installing Instant Messaging 9.0.2.6.0...
----- Executing Task 44 of 58 ...
pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/...
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_IM_20140808182253 SUNWiimin 2>&1
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```

```

Installation of <SUNWiimin> was successful.
-- Exit status: 0
----- Executing Task 45 of 58 ...
pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/..
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_IM_20140808182253 SUNWiim 2>&1
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Installation of <SUNWiim> was successful.
-- Exit status: 0
----- Executing Task 46 of 58 ...
pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/..
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_IM_20140808182253 SUNWiimm 2>&1
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Installation of <SUNWiimm> was successful.
-- Exit status: 0
----- Executing Task 47 of 58 ...
pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/..
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_IM_20140808182253 SUNWiimjd 2>&1
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Installation of <SUNWiimjd> was successful.
-- Exit status: 0
----- Executing Task 48 of 58 ...
pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/..
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_IM_20140808182253 SUNWiimid 2>&1
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Installation of <SUNWiimid> was successful.
-- Exit status: 0
----- Executing Task 49 of 58 ...
pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/..
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_IM_20140808182253 SUNWiimgw 2>&1
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Installation of <SUNWiimgw> was successful.

```

```

-- Exit status: 0
----- Executing Task 50 of 58 ...
pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/..
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_IM_20140808182253 SUNWiimw 2>&1
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Installation of <SUNWiimw> was successful.
-- Exit status: 0
----- Executing Task 51 of 58 ...
pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/..
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_IM_20140808182253 SUNWiimfed 2>&1
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Installation of <SUNWiimfed> was successful.
-- Exit status: 0

=====
Installing Convergence 3.0.0.1.0...
----- Executing Task 52 of 58 ...
pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/..
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_IWC_20140808182253 SUNWiwc 2>&1
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Installation of <SUNWiwc> was successful.
-- Exit status: 0

=====
Installing Indexing and Search Service 1.0.5.22.0...
----- Executing Task 53 of 58 ...
pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/..
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_JISS_20140808182253 SUNWjiss 2>&1
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Installation of <SUNWjiss> was successful.
-- Exit status: 0

=====
Installing Comms Delegated Administrator 7.0.0.9.0...
----- Executing Task 54 of 58 ...
pkgadd -G -a

```

```

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/..
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_DA_20140808182253 SUNWcommda 2>&1
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Installation of <SUNWcommda> was successful.
-- Exit status: 0

=====
Installing Contacts Server 8.0.0.0.0...
----- Executing Task 55 of 58 ...
pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/..
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_NAB_20140808182253 SUNWnabserver 2>&1
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Installation of <SUNWnabserver> was successful.
-- Exit status: 0

=====
Installing Messaging Server Sun Cluster HA agent 7.0 (7.0-0.03)...
----- Executing Task 56 of 58 ...
pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/..
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MS_SCHA_20140808182253 SUNWmessaging-server-scha 2>&1
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Installation of <SUNWmessaging-server-scha> was successful.
-- Exit status: 0

=====
Installing Instant Messaging Sun Cluster HA agent 7.3 (7.3-01.02)...
----- Executing Task 57 of 58 ...
pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/..
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_IM_SCHA_20140808182253 SUNWiimsc 2>&1
Copyright (c) 2006 Sun Microsystems, Inc. All rights reserved.
PROPRIETARY/CONFIDENTIAL
Use is subject to license terms.

Installation of <SUNWiimsc> was successful.
-- Exit status: 0

=====
Installing CommsInstaller 7.0.6.0.0...
----- Executing Task 58 of 58 ...

```

```

pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_CI_20140808182253 SUNWcomms 2>&1
Copyright (c) 2007, 2014, Oracle and/or its affiliates. All rights
reserved.
Use is subject to license terms.

Installation of <SUNWcomms> was successful.
-- Exit status: 0
=====
SUMMARY:

PASSED: Task 1: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_IMAPI_20140808182253 SUNWiimdv
PASSED: Task 2: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_ICU_20140808182253 SUNWicu
PASSED: Task 3: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_SASL_20140808182253 SUNWsas1
PASSED: Task 4: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_LDAPCSDK6_TOOLS_20140808182253 SUNWldapcsdk-tools
PASSED: Task 5: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_NSS_20140808182253 SUNWpr
PASSED: Task 6: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_NSS_20140808182253 SUNWprd
PASSED: Task 7: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_NSS_20140808182253 SUNWt1s
PASSED: Task 8: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_NSS_20140808182253 SUNWt1sd
PASSED: Task 9: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i

```

```

-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_NSS_20140808182253 SUNWtlssu
PASSED: Task 10: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_NSS_20140808182253 SUNWjss
PASSED: Task 11: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_20140808182253 SUNWiqr
PASSED: Task 12: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_20140808182253 SUNWiqu
PASSED: Task 13: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_20140808182253 SUNWiqdoc
PASSED: Task 14: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_20140808182253 SUNWiquc
PASSED: Task 15: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_20140808182253 SUNWiqum
PASSED: Task 16: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_20140808182253 SUNWiqjx
PASSED: Task 17: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_20140808182253 SUNWiqfs
PASSED: Task 18: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_20140808182253 SUNWiqcrt
PASSED: Task 19: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_20140808182253 SUNWiqcdv
PASSED: Task 20: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d

```

```

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_20140808182253 SUNWiqlen
PASSED: Task 21: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_L10N_20140808182253 SUNWfiqu
PASSED: Task 22: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_L10N_20140808182253 SUNWfiquc
PASSED: Task 23: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_L10N_20140808182253 SUNWdiqu
PASSED: Task 24: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_L10N_20140808182253 SUNWdiquc
PASSED: Task 25: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_L10N_20140808182253 SUNWjiqu
PASSED: Task 26: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_L10N_20140808182253 SUNWjiquc
PASSED: Task 27: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_L10N_20140808182253 SUNWeiqu
PASSED: Task 28: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_L10N_20140808182253 SUNWeiquc
PASSED: Task 29: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_L10N_20140808182253 SUNWkiqu
PASSED: Task 30: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_L10N_20140808182253 SUNWkiquc
PASSED: Task 31: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su

```



```

-r /tmp/.response_MQ_L10N_20140808182253 SUNWciqu
PASSED: Task 32: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_L10N_20140808182253 SUNWciquc
PASSED: Task 33: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_L10N_20140808182253 SUNWhiqu
PASSED: Task 34: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MQ_L10N_20140808182253 SUNWhiquc
PASSED: Task 35: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_LDAPCSDK6_20140808182253 SUNWldapcsdk-libs
PASSED: Task 36: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_LDAPCSDK6_20140808182253 SUNWldapcsdk-dev
PASSED: Task 37: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_JHRT_20140808182253 SUNWjhrt
PASSED: Task 38: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_JHRT_20140808182253 SUNWjhdev
PASSED: Task 39: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_JHRT_20140808182253 SUNWjhdem
PASSED: Task 40: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_JHRT_20140808182253 SUNWjhdoc
PASSED: Task 41: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MS64_20140808182253 SUNWmessaging-server-64
PASSED: Task 42: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_DSSETUP_20140808182253 SUNWcomds

```



```

PASSED: Task 43: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_DAV_20140808182253 SUNWdavserver
PASSED: Task 44: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_IM_20140808182253 SUNWiimin
PASSED: Task 45: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_IM_20140808182253 SUNWiim
PASSED: Task 46: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_IM_20140808182253 SUNWiimm
PASSED: Task 47: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_IM_20140808182253 SUNWiimjd
PASSED: Task 48: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_IM_20140808182253 SUNWiimid
PASSED: Task 49: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_IM_20140808182253 SUNWiimgw
PASSED: Task 50: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_IM_20140808182253 SUNWiimw
PASSED: Task 51: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_IM_20140808182253 SUNWiimfed
PASSED: Task 52: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_IWC_20140808182253 SUNWiwc
PASSED: Task 53: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_JISS_20140808182253 SUNWjiss
PASSED: Task 54: pkgadd -G -a

```

```

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_DA_20140808182253 SUNWcommda
PASSED: Task 55: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_NAB_20140808182253 SUNWnabserver
PASSED: Task 56: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_MS_SCHA_20140808182253 SUNWmessaging-server-scha
PASSED: Task 57: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_IM_SCHA_20140808182253 SUNWiimsc
PASSED: Task 58: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-n -R /opt/altroot -d
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-r /tmp/.response_CI_20140808182253 SUNWcomms

```

All tasks PASSED

Checking JES java symlink...

```
ls -l /usr/jdk /usr/java 2>&1
```

```
lrwxrwxrwx 1 root other 15 Nov 6 2013 /usr/java -> jdk/jdk1.6.0_26
```

/usr/jdk:

```
total 10
```

```
drwxr-xr-x 4 root bin 4 Jun 12 2012 instances
```

```
lrwxrwxrwx 1 root other 7 Jun 12 2012 j2sdk1.4.2_32 -> ../j2se
```

```
lrwxrwxrwx 1 root other 18 Feb 26 2013 jdk1.5.0_12 -> instances/jdk1.5.0
```

```
lrwxrwxrwx 1 root other 18 Nov 6 2013 jdk1.6.0_26 -> instances/jdk1.6.0
```

```
lrwxrwxrwx 1 root other 11 Nov 6 2013 latest -> jdk1.6.0_26
```

```
drwxr-xr-x 8 root bin 8 Nov 6 2013 packages
```

```
-- Exit status: 0
```

```
ls -l /usr/jdk/entsys-j2se /usr/jdk/latest 2>&1
```

```
/usr/jdk/entsys-j2se: No such file or directory
```

```
lrwxrwxrwx 1 root other 11 Nov 6 2013 /usr/jdk/latest -> jdk1.6.0_26
```

```
-- Exit status: 2
```

```
ls -lL /usr/jdk/entsys-j2se /usr/jdk/latest 2>&1
```

```
/usr/jdk/entsys-j2se: No such file or directory
```

```
/usr/jdk/latest:
```

```
total 38080
```

```
-rw-r--r-- 1 root bin 3339 May 4 2011 COPYRIGHT
```

```
-rw-r--r-- 1 root bin 40 May 4 2011 LICENSE
```

```
-rw-r--r-- 1 root bin 115 May 4 2011 README.html
```

```
-rw-r--r-- 1 root bin 20320 Nov 29 2006 README_ja.html
```

```
-rw-r--r-- 1 root bin 15160 Nov 29 2006 README_zh_CN.html
```

```
-rw-r--r-- 1 root bin 183173 May 4 2011 THIRDPARTYLICENSEREADME.txt
```

```
drwxr-xr-x 3 root bin 49 Nov 6 2013 bin
```

```
drwxr-xr-x 11 root bin 12 Jun 12 2012 demo
```

```
drwxr-xr-x 3 root bin 8 Nov 6 2013 include
```

```

drwxr-xr-x 6 root bin 11 Nov 6 2013 jre
drwxr-xr-x 3 root bin 11 Nov 6 2013 lib
drwxr-xr-x 6 root bin 6 Jun 12 2012 man
-r--r--r-- 1 root other 6646 Nov 6 2013 register.html
-r--r--r-- 1 root other 8092 Nov 6 2013 register_ja.html
-r--r--r-- 1 root other 6249 Nov 6 2013 register_zh_CN.html
drwxr-xr-x 10 root bin 10 Jun 12 2012 sample
-rw-r--r-- 1 root bin 19103364 May 4 2011 src.zip
-- Exit status: 2
INFO: /etc/softlist.xml updated

Hit Return to Continue:
=====
-- unlink /tmp/.response_IMAPI_20140808182253
-- unlink /tmp/.response_ICU_20140808182253
-- unlink /tmp/.response_SASL_20140808182253
-- unlink /tmp/.response_LDAPCSDK6_TOOLS_20140808182253
-- unlink /tmp/.response_NSS_20140808182253
-- unlink /tmp/.response_MQ_20140808182253
-- unlink /tmp/.response_MQ_L10N_20140808182253
-- unlink /tmp/.response_LDAPCSDK6_20140808182253
-- unlink /tmp/.response_JHRT_20140808182253
-- unlink /tmp/.response_MS64_20140808182253
-- unlink /tmp/.response_DSSETUP_20140808182253
-- unlink /tmp/.response_DAV_20140808182253
-- unlink /tmp/.response_IM_20140808182253
-- unlink /tmp/.response_IWC_20140808182253
-- unlink /tmp/.response_JISS_20140808182253
-- unlink /tmp/.response_DA_20140808182253
-- unlink /tmp/.response_NAB_20140808182253
-- unlink /tmp/.response_MS_SCHA_20140808182253
-- unlink /tmp/.response_IM_SCHA_20140808182253
-- unlink /tmp/.response_CI_20140808182253
-- unlink /tmp/.patchout_20140808182253.1016
-- unlink /tmp/.patchout_altroot_20140808182253.1016
mkdir -p /opt/altroot/var/opt/CommsInstaller/logs 2>&1
-- Exit status: 0

NOTICE: To undo the installation, run the commands in:
/opt/altroot/var/opt/CommsInstaller/logs/undoCommsInstall_20140808182253

NOTICE: silent file created in:
/opt/altroot/var/opt/CommsInstaller/logs/silent_CommsInstaller_201408081822
Closing the log at Fri Aug 8 18:23:39 2014
[577 Fri Aug 08 18:24:07 root@host% /home/user/wspace/releases/ci76# ]
# ./commpkg info
-- LOGFILE: /tmp/CommsInstaller_20140808182412.log
CommsInstaller version 7.0.6.0.0 (7.6-0.10) built on Tue Jul 1 21:57:57
PDT 2014
=====
Detecting Installed Products...
Detecting Installed Patches...
NOTICE: The OS Recommended Patch Cluster (as of 2013.02.19)
has not been applied. Specifically the following
patches are missing:
147147-26

```

NOTICE: It is highly recommended that you apply the latest OS Recommended Patch Cluster. commpkg will not do this automatically.

ALTR00T: /

NAME: ""

=====

Detecting Installed Products...

Detecting Installed Patches...

NOTICE: The OS Recommended Patch Cluster (as of 2013.02.19) has not been applied. Specifically the following patches are missing:

147147-26

NOTICE: It is highly recommended that you apply the latest OS Recommended Patch Cluster. commpkg will not do this automatically.

ALTR00T: /opt/altroot

NAME: <none>

Product: Messaging Server (64bit) 7u5 64bit

Oracle Version: 7.0.5.31.0

Version: 7.5-31.0

ALTR00T: /opt/altroot

Basedir: /opt/altroot/messaging64

Build Date: 20140505

Product: Comms DSsetup 6.4

Oracle Version: 6.4.0.26.0

Version: 6.4-26.01

ALTR00T: /opt/altroot

Basedir: /opt/altroot/dssetup

Build Date: 20140418

Product: Calendar Server 7u4

Oracle Version: 7.0.4.15.0

Version: 7.4-15.10

ALTR00T: /opt/altroot

Basedir: /opt/altroot/davserver

Build Date: 20140425

Product: Instant Messaging 9u2 64bit

Oracle Version: 9.0.2.6.0

Version: 9.2-06.7

ALTR00T: /opt/altroot

Basedir: /opt/altroot/im

Build Date: 20140625

Product: Convergence 3

Oracle Version: 3.0.0.1.0

Version: 3.0-1.0022

ALTR00T: /opt/altroot

Basedir: /opt/altroot/iwc

Build Date: 20140630

Product: Indexing and Search Service 1u5

Oracle Version: 1.0.5.22.0

Version: 1.5-22.11300

ALTR00T: /opt/altroot

Basedir: /opt/altroot/jiss

Build Date: 20140528

Product: Comms Delegated Administrator 7

Oracle Version: 7.0.0.9.0

```

Version: 7.0-9.00
ALTRoot: /opt/altroot
Basedir: /opt/altroot/da
Build Date: 20140106
Product: Messaging Server Sun Cluster HA agent 7.0
Oracle Version: Not Found
Version: 7.0-0.03
ALTRoot: /opt/altroot
Basedir: /opt/altroot/msg_scha
Build Date: 20080519
Product: Instant Messaging Sun Cluster HA agent 7.3
Oracle Version: Not Found
Version: 7.3-01.02
ALTRoot: /opt/altroot
Basedir: /opt/altroot/im_scha
Build Date: 20080403
Product: Contacts Server 8
Oracle Version: 8.0.0.0.0
Version: 8.0-0.52
ALTRoot: /opt/altroot
Basedir: /opt/altroot/nabserver
Build Date: 20140522

[578 Fri Aug 08 18:24:24 root@host% /home/user/wspace/releases/ci76# ]
# ./commpkg info --verbose
-- LOGFILE: /tmp/CommsInstaller_20140808182426.log
CommsInstaller version 7.0.6.0.0 (7.6-0.10) built on Tue Jul 1 21:57:57
PDT 2014
=====
Detecting Installed Products...
Detecting Installed Patches...
NOTICE: The OS Recommended Patch Cluster (as of 2013.02.19)
has not been applied. Specifically the following
patches are missing:
147147-26
NOTICE: It is highly recommended that you apply the
latest OS Recommended Patch Cluster. compkg will
not do this automatically.
ALTRoot: /
NAME: ""

=====
Detecting Installed Products...
Detecting Installed Patches...
NOTICE: The OS Recommended Patch Cluster (as of 2013.02.19)
has not been applied. Specifically the following
patches are missing:
147147-26
NOTICE: It is highly recommended that you apply the
latest OS Recommended Patch Cluster. compkg will
not do this automatically.
ALTRoot: /opt/altroot
NAME: <none>
Product: Messaging Server (64bit) 7u5 64bit
Oracle Version: 7.0.5.31.0
Version: 7.5-31.0

```

```

ALTR00T: /opt/altroot
Basedir: /opt/altroot/messaging64
Build Date: 20140505
getVersion UNAME: SunOS
getVersion ARCH: sparc
getVersion BITS: 64
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWmessaging-server-64 7.0,REV=2008.06.20 7.5-31.0
Patch Status/ID:
PRESENT 137204-31
Product: Comms DSsetup 6.4
Oracle Version: 6.4.0.26.0
Version: 6.4-26.01
ALTR00T: /opt/altroot
Basedir: /opt/altroot/dssetup
Build Date: 20140418
getVersion UNAME: SunOS
getVersion ARCH: sparc
getVersion BITS: 32
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWcomds 6.3,REV=2004.08.12 6.4-26.01
Patch Status/ID:
PRESENT 118242-03
PRESENT 118245-26
Product: Calendar Server 7u4
Oracle Version: 7.0.4.15.0
Version: 7.4-15.10
ALTR00T: /opt/altroot
Basedir: /opt/altroot/davserver
Build Date: 20140425
getVersion UNAME: SunOS
getVersion ARCH: sparc
getVersion BITS: 32
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWdavserver 7.0,REV=2009.08.27 7.4-15.10
Patch Status/ID:
PRESENT 142785-15
Product: Instant Messaging 9u2 64bit
Oracle Version: 9.0.2.6.0
Version: 9.2-06.7
ALTR00T: /opt/altroot
Basedir: /opt/altroot/im
Build Date: 20140625
getVersion UNAME: SunOS
getVersion ARCH: sparc
getVersion BITS: 64
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWiimin 9.0,REV=2011.09.05 9.2-06.7
PRESENT SUNWiim 9.0,REV=2011.09.05 9.2-06.7
PRESENT SUNWiimm 9.0,REV=2011.09.05 9.2-06.7
PRESENT SUNWiimjd 9.0,REV=2011.09.05 9.2-06.7
PRESENT SUNWiimid 9.0,REV=2011.09.05 9.2-06.7

```

```

PRESENT SUNWiimgw 9.0,REV=2011.09.05 9.2-06.7
PRESENT SUNWiimw 9.0,REV=2011.09.05 9.2-06.7
PRESENT SUNWiimfed 9.0,REV=2011.09.05 9.2-06.7
Patch Status/ID:
PRESENT 148579-06
Product: Convergence 3
Oracle Version: 3.0.0.1.0
Version: 3.0-1.0022
ALROOT: /opt/altroot
Basedir: /opt/altroot/iwc
Build Date: 20140630
getVersion UNAME: SunOS
getVersion ARCH: sparc
getVersion BITS: 32
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWiwc 3.0,REV=2014.06.30 3.0-1.0022
Patch Status/ID:
No patches defined for this OS version
Product: Indexing and Search Service 1u5
Oracle Version: 1.0.5.22.0
Version: 1.5-22.11300
ALROOT: /opt/altroot
Basedir: /opt/altroot/jiss
Build Date: 20140528
getVersion UNAME: SunOS
getVersion ARCH: all
getVersion BITS: 32
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWjiss 1.0,REV=2009.09.09 1.5-22.11300
Patch Status/ID:
PRESENT 142824-22
Product: Comms Delegated Administrator 7
Oracle Version: 7.0.0.9.0
Version: 7.0-9.00
ALROOT: /opt/altroot
Basedir: /opt/altroot/da
Build Date: 20140106
getVersion UNAME: SunOS
getVersion ARCH: sparc
getVersion BITS: 32
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWcommda 7.0,REV=2009.03.31 7.0-9.00
Patch Status/ID:
PRESENT 124581-09
Product: Messaging Server Sun Cluster HA agent 7.0
Oracle Version: Not Found
Version: 7.0-0.03
ALROOT: /opt/altroot
Basedir: /opt/altroot/msg_scha
Build Date: 20080519
getVersion UNAME: SunOS
getVersion ARCH: sparc
getVersion BITS: 32

```

```

Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWmessaging-server-scha 7.0,REV=2008.05.19 7.0-0.03
Patch Status/ID:
No patches defined for this OS version
Product: Instant Messaging Sun Cluster HA agent 7.3
Oracle Version: Not Found
Version: 7.3-01.02
ALTROOT: /opt/altroot
Basedir: /opt/altroot/im_scha
Build Date: 20080403
getVersion UNAME: SunOS
getVersion ARCH: sparc
getVersion BITS: 32
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWiimsc 7.3,REV=2008.01.07.20.24.34 7.3-01
Patch Status/ID:
PRESENT 137571-01
Product: Contacts Server 8
Oracle Version: 8.0.0.0.0
Version: 8.0-0.52
ALTROOT: /opt/altroot
Basedir: /opt/altroot/nabserver
Build Date: 20140522
getVersion UNAME: SunOS
getVersion ARCH: sparc
getVersion BITS: 32
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWnabserver 8.0,REV=2014.05.22 8.0-0.52
Patch Status/ID:
No patches defined for this OS version

[579 Fri Aug 08 18:24:38 root@host% /home/user/wspace/releases/ci76# ]
# ./commpkg uninstall /opt/altroot
-- LOGFILE: /tmp/CommsInstaller_20140808182446.log
CommsInstaller version 7.0.6.0.0 (7.6-0.10) built on Tue Jul 1 21:57:57
PDT 2014
Detecting Installed Products...
Detecting Installed Patches...
=====
Product Selection:

Communication Products:

Item Description
----
1 Messaging Server (64bit) 7.0.5.31.0
Installed Version at /opt/altroot/messaging64
2 Comms DSsetup 6.4.0.26.0
Installed Version at /opt/altroot/dssetup
3 Calendar Server 7.0.4.15.0
Installed Version at /opt/altroot/davserver
4 Instant Messaging 9.0.2.6.0
Installed Version at /opt/altroot/im

```



```

5 Convergence 3.0.0.1.0
Installed Version at /opt/altroot/iwc
6 Indexing and Search Service 1.0.5.22.0
Installed Version at /opt/altroot/jiss
7 Comms Delegated Administrator 7.0.0.9.0
Installed Version at /opt/altroot/da
8 Messaging Server Sun Cluster HA agent 7.0 (7.0-0.03)
Installed Version at /opt/altroot/msg_scha
9 Instant Messaging Sun Cluster HA agent 7.3 (7.3-01.02)
Installed Version at /opt/altroot/im_scha
10 Contacts Server 8.0.0.0.0
Installed Version at /opt/altroot/nabserver

Enter the items you wish to uninstall. Enter q to quit.
You can enter multiple items using commas to separate them.
For example: 1,2

Please select the products you wish to uninstall [1, 2, 3, 4, 5, 6, 7,
8, 9, 10]:
=====
WILL UNINSTALL: Messaging Server (64bit) 7.0.5.31.0
at /opt/altroot/messaging64
WILL UNINSTALL: Comms DSsetup 6.4.0.26.0
at /opt/altroot/dssetup
WILL UNINSTALL: Calendar Server 7.0.4.15.0
at /opt/altroot/davserver
WILL UNINSTALL: Instant Messaging 9.0.2.6.0
at /opt/altroot/im
WILL UNINSTALL: Convergence 3.0.0.1.0
at /opt/altroot/iwc
WILL UNINSTALL: Indexing and Search Service 1.0.5.22.0
at /opt/altroot/jiss
WILL UNINSTALL: Comms Delegated Administrator 7.0.0.9.0
at /opt/altroot/da
WILL UNINSTALL: Messaging Server Sun Cluster HA agent 7.0 (7.0-0.03)
at /opt/altroot/msg_scha
WILL UNINSTALL: Instant Messaging Sun Cluster HA agent 7.3 (7.3-01.02)
at /opt/altroot/im_scha
WILL UNINSTALL: Contacts Server 8.0.0.0.0
at /opt/altroot/nabserver
=====
Ready to uninstall

Do you want to continue ? [yes] :

=====
Uninstalling Messaging Server (64bit) 7.0.5.31.0 at
/opt/altroot/messaging64)...
----- Executing Task 1 of 17 ...

=====
Uninstalling Comms DSsetup 6.4.0.26.0 at /opt/altroot/dssetup)...
----- Executing Task 2 of 17 ...

=====
Uninstalling Calendar Server 7.0.4.15.0 at /opt/altroot/davserver)...

```

```

----- Executing Task 3 of 17 ...

=====
Uninstalling Instant Messaging 9.0.2.6.0 at /opt/altroot/im)...
----- Executing Task 4 of 17 ...
----- Executing Task 5 of 17 ...
----- Executing Task 6 of 17 ...
----- Executing Task 7 of 17 ...
----- Executing Task 8 of 17 ...
----- Executing Task 9 of 17 ...
----- Executing Task 10 of 17 ...
----- Executing Task 11 of 17 ...

=====
Uninstalling Convergence 3.0.0.1.0 at /opt/altroot/iwc)...
----- Executing Task 12 of 17 ...

=====
Uninstalling Indexing and Search Service 1.0.5.22.0 at
/opt/altroot/jiss)...
----- Executing Task 13 of 17 ...

=====
Uninstalling Comms Delegated Administrator 7.0.0.9.0 at
/opt/altroot/da)...
----- Executing Task 14 of 17 ...

=====
Uninstalling Messaging Server Sun Cluster HA agent 7.0 (7.0-0.03) at
/opt/altroot/msg_scha)...
----- Executing Task 15 of 17 ...

=====
Uninstalling Instant Messaging Sun Cluster HA agent 7.3 (7.3-01.02) at
/opt/altroot/im_scha)...
----- Executing Task 16 of 17 ...

=====
Uninstalling Contacts Server 8.0.0.0.0 at /opt/altroot/nabserver)...
----- Executing Task 17 of 17 ...
=====
SUMMARY:

All tasks PASSED
Checking JES java symlink...
INFO: no update to /etc/softlist.xml required

Hit Return to Continue:
=====

NOTICE: silent file created in:
/opt/altroot/var/opt/CommsInstaller/logs/silent_CommsInstaller_201408081824
LOGFILE created in:
/opt/altroot/var/opt/CommsInstaller/logs/CommsInstaller_20140808182446.log
Fri Aug 08 18:25:00 root@host% /home/user/wspace/releases/ci76# ]

```

```

# cat
/opt/altroot/var/opt/CommsInstaller/logs/silent_CommsInstaller_201408081824
Silent File for CommsInstaller 7.0.6.0.0 (7.6-0.10)
# Generated on 20140808182446
#

#
#
# verb used to create this silent file
VERB=uninstall

#
# root directory
#
ROOTDIR=/opt/altroot

#
# list of components (using mnemonics)
# WARNING: for verb=uninstall, when there are multiple
# instances, the latest known version found is uninstalled
#
COMPONENTS=MS64 DSSETUP DAV IM IWC JISS DA MS_SCHA IM_SCHA NAB
COMPONENT_VERSIONS= 7.5 6.4 7.4 9.2 3.0 1.5 7.0 7.0 7.3 8.0
[581 Fri Aug 08 18:25:08 root@host% /home/user/wspace/releases/ci76# ]
# cat
/opt/altroot/var/opt/CommsInstaller/logs/CommsInstaller_20140808182446.log
LOGFILE started Fri Aug 8 18:24:46 2014 =====
LOGFILE = /tmp/CommsInstaller_20140808182446.log
Running /usr/bin/perl ./commpkg
-- /usr/bin/perl ./commpkg uninstall /opt/altroot
-- ARGS:
uninstall
/opt/altroot
-- perl version: 5.008004 pid: 2676
-- basetime: 1407547486 Fri Aug 8 18:24:46 2014
-- scriptDir:
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76
-- LOGFILE: /tmp/CommsInstaller_20140808182446.log
CommsInstaller version 7.0.6.0.0 (7.6-0.10) built on Tue Jul 1 21:57:57
PDT 2014
-- UNAME = SunOS ARCH = sparc OS_VERS = 5.10 BITS = 64
uname -a 2>&1
SunOS host 5.10 Generic_147440-12 sun4v sparc sun4v
-- Exit status: 0
!!! ENV
$VAR1 = {
'HOME' => '/',
'PS1' => '[\\! \\d \\t \\u@\\h% \\w\\$ ]
\\$ ',
'LC_COLLATE' => '',
'LC_ALL' => '',
'CDPATH' => '...:/home/user',
'LC_NUMERIC' => '',
'MAIL' => '/var/mail/uadmin',
'TZ' => 'PST8PDT',
'PWD' => '/home/user/wspace/releases/ci76',

```

```

'LC_TIME' => '',
'LANG' => 'C',
'LC_MESSAGES' => '',
'LC_CTYPE' => '',
'LOGNAME' => 'uadmin',
'SHVLVL' => '1',
'OLDPWD' => '/home/user/wspace',
'LC_MONETARY' => '',
'_' => './commpkg',
'PATH' =>
'/bin:/usr/bin:/usr/sbin:/sbin:/usr/etc::~~/bin:/opt/csw/bin:/new/local/bin:
=> '/bin/sh',
'HZ' => '',
'TERM' => 'dumb'
};
cat /etc/release 2>&1
Oracle Solaris 10 8/11 s10s_u10wos_17b SPARC
Copyright (c) 1983, 2011, Oracle and/or its affiliates. All rights
reserved.
Assembled 23 August 2011
-- Exit status: 0
-- Recognized OS_VERS
/usr/bin/pkgcond -n is_what 2>&1
can_add_driver=0
can_remove_driver=0
can_update_driver=0
is_alternative_root=0
is_boot_environment=0
is_diskless_client=0
is_global_zone=1
is_mounted_miniroot=0
is_netinstall_image=0
is_nonglobal_zone=0
is_path_writable=1
is_running_system=1
is_sparse_root_nonglobal_zone=0
is_whole_root_nonglobal_zone=0
-- Exit status: 1
/usr/bin/pkgcond -n is_global_zone 2>&1
-- Exit status: 1
/usr/bin/pkgcond -n is_sparse_root_nonglobal_zone 2>&1
-- Exit status: 0
Reading Product Files...
Reading
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
no mapFile
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
no mapFile
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
no mapFile
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
no mapFile
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i

```

[illegible]

```

no mapFile
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
no mapFile
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
not found, skipping...
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
not found, skipping...
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
not found, skipping...
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
not found, skipping...
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
not found, skipping...
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
not found, skipping...
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
not found, skipping...
Reading OLD
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
OLD
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
OLD
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
OLD
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
OLD
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
OLD
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
OLD
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
OLD
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
OLD
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
OLD
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
OLD
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
OLD
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
OLD
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
OLD
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
OLD
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
OLD

```



```

'SUNWiwc',
'2.0, REV=2010.07.26'
],
'3.0' => [
'SUNWiwc',
'3.0, REV=2014.06.30'
],
'1.0' => [
'SUNWiwc',
'1.0, REV=2008.07.07'
]
},
'SASL' => {
'2.19' => [
'SUNWsasl',
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},
'BZIP' => {
'11.10' => [
'SUNwbzip',
'11.10.0,REV=2005.01.08.05.16'
]
},
'MYSQL_MARKER' => {
'1.1' => [
'SUNWcomms-mysql-marker',
'1.1,REV=2011.09.09'
],
'1.0' => [
'SUNWcomms-mysql-marker',
'1.0,REV=2009.09.09'
]
},
},

```

```

'IM_SCHA' => {
'7.0' => [
'SUNWiimsc',
'7.0,REV=2005.08.03.09.41.41'
],
'7.3' => [
'SUNWiimsc',
'7.3,REV=2008.01.07.20.24.34'
]
},
'MS_L10N' => {
'6.2' => [
'SUNWmsgde',
'6.0,REV=2003.10.10',
'SUNWmsges',
'6.0,REV=2003.10.10',
'SUNWmsgfr',
'6.0,REV=2003.10.10',
'SUNWmsgja',
'6.0,REV=2003.10.10',
'SUNWmsgko',
'6.0,REV=2003.10.10',
'SUNWmsgzh',
'6.0,REV=2003.10.10',
'SUNWmsgtw',
'6.0,REV=2003.10.10'
],
'6.3' => [
'SUNWmsg-l10n',
'6.3,REV=2006.12.20'
]
},
'LIBCPLUSPLUS' => {
'5.9' => [
'SUNWlibc',
'5.10,REV=2004.12.22'
]
},
'MS_SCHA' => {
'6.0' => [
'SUNWscims',
'6.0,REV=2003.10.29'
],
'7.0' => [
'SUNWmessaging-server-scha',
'7.0,REV=2008.05.19'
]
},
'CS' => {
'6.3' => [
'SUNWics5',
'6.0,REV=2003.11.14.18.12.58',
'SUNWica5',
'6.0,REV=2003.11.14.18.12.58'
]
},

```

```

'JHRT' => {
'2.0' => [
'SUNWjhrt',
'2.0, REV=2006.10.31',
'SUNWjhdev',
'2.0, REV=2006.10.04',
'SUNWjhdev',
'2.0, REV=2006.10.04',
'SUNWjhdev',
'2.0, REV=2006.10.04'
],
},
'CE_L10N' => {
'6.2' => [
'SUNWduwc',
'6.1, REV=2004.04.23',
'SUNWduwc',
'6.1, REV=2004.04.23',
'SUNWduwc',
'6.1, REV=2004.04.23',
'SUNWjuwc',
'6.1, REV=2004.04.23',
'SUNWkuwc',
'6.1, REV=2004.04.23',
'SUNWcuwc',
'6.1, REV=2004.04.23',
'SUNWduwc',
'6.1, REV=2004.04.23'
],
'6.3' => [
'SUNWduwc-l10n',
'6.1, REV=2006.12.14.03.02.41'
],
},
'DA' => {
'6.4' => [
'SUNWcomic',
'1.0, REV=2003.10.29',
'SUNWcomis',
'1.0, REV=2003.10.29'
],
'7.0' => [
'SUNWcommda',
'7.0, REV=2009.03.31'
],
},
};
===== QQQ findGetVersion =====
!!! getVersion
$VAR1 = {
'SASL' => 'none',
'IWC' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/s
=> 'none',
'MS' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/s

```

```

=>
'/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/s
=> 'none',
'ICU' => 'none',
'MS64' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/s
=>
'/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/s
=> 'none',
'CE' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/s
=> 'none',
'MYSQL' => 'none',
'PATCHUTILS' => 'none',
'MQ' => 'none',
'IMAPI' => 'none',
'CI' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/
=> 'none',
'JISS' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/s
=> 'none',
'CS_L10N' => 'none',
'IM' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/s
=> 'none',
'RECOMMENDED' => 'none',
'IM_L10N' => 'none',
'NAB' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/s
=>
'/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/s
=> 'none',
'BZIP' => 'none',
'MYSQL_MARKER' => 'none',
'IM_SCHA' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/s
=> 'none',
'LIBCPLUSPLUS' => 'none',
'MS_SCHA' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/s
=>
'/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/s
=> 'none',
'CE_L10N' => 'none',
'DA' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/s
prod_getVers
$VAR1 = {
'SASL' => 0,
'IWC' => '3.0-1.0022',
'MS64_L10N' => 0,
'MS' => '7.2-7.02',
'DSSETUP' => '6.4-26.01',
'MQ_L10N' => 0,
'ICU' => 0,

```

```

'MS64' => '7.5-31.0',
'DAV' => '7.4-15.10',
'LDAPCSKD6' => 0,
'CE' => '6.3-13.01',
'JDK' => 0,
'MYSQL' => 0,
'PATCHUTILS' => 0,
'MQ' => 0,
'IMAPI' => 0,
'CI' => '7.6-0.10',
'LDAPCSKD6_TOOLS' => 0,
'JISS' => '1.5-22.11300',
'NSS' => 0,
'CS_L10N' => 0,
'IM' => '9.2-06.7',
'ST' => 0,
'RECOMMENDED' => 0,
'IM_L10N' => 0,
'NAB' => '8.0-0.52',
'CS_SCHA' => '6.3-1.01',
'LDAPJDK' => 0,
'BZIP' => 0,
'MYSQL_MARKER' => 0,
'IM_SCHA' => '7.3-01.02',
'MS_L10N' => 0,
'LIBCPLUSPLUS' => 0,
'MS_SCHA' => '7.0-0.03',
'CS' => '6.3-32.01',
'JHRT' => 0,
'CE_L10N' => 0,
'DA' => '7.0-9.00'
};
!!! prod_orclVers
$VAR1 = {
'SASL' => 0,
'IWC' => '3.0.0.1.0',
'MS64_L10N' => 0,
'MS' => '\\Unrecognized Parameter\\',
'DSSETUP' => '6.4.0.26.0',
'MQ_L10N' => 0,
'ICU' => 0,
'MS64' => '7.0.5.31.0',
'DAV' => '7.0.4.15.0',
'LDAPCSKD6' => 0,
'CE' => '\\Unrecognized Parameter\\',
'JDK' => 0,
'MYSQL' => 0,
'PATCHUTILS' => 0,
'MQ' => 0,
'IMAPI' => 0,
'CI' => '7.0.6.0.0',
'LDAPCSKD6_TOOLS' => 0,
'JISS' => '1.0.5.22.0',
'NSS' => 0,
'CS_L10N' => 0,
'IM' => '9.0.2.6.0',

```

```

'ST' => 0,
'RECOMMENDED' => 0,
'IM_L10N' => 0,
'NAB' => '8.0.0.0.0',
'CS_SCHA' => '\\'Unrecognized Parameter\\',
'LDAPJDK' => 0,
'BZIP' => 0,
'MYSQL_MARKER' => 0,
'IM_SCHA' => '\\'Unrecognized Parameter\\',
'MS_L10N' => 0,
'LIBCPLUSPLUS' => 0,
'MS_SCHA' => '\\'Unrecognized Parameter\\',
'CS' => '\\'Unrecognized Parameter\\',
'JHRT' => 0,
'CE_L10N' => 0,
'DA' => '7.0.0.9.0'
};
!!! prod_builddate
$VAR1 = {
'SASL' => 'none',
'IWC' => '20140630',
'MS64_L10N' => 'none',
'MS' => '20090416',
'DSSETUP' => '20140418',
'MQ_L10N' => 'none',
'ICU' => 'none',
'MS64' => '20140505',
'DAV' => '20140425',
'LDAPCSDK6' => 'none',
'CE' => '20090327',
'JDK' => 'none',
'MYSQL' => 'none',
'PATCHUTILS' => 'none',
'MQ' => 'none',
'IMAPI' => 'none',
'CI' => '20140701',
'LDAPCSDK6_TOOLS' => 'none',
'JISS' => '20140528',
'NSS' => 'none',
'CS_L10N' => 'none',
'IM' => '20140625',
'ST' => 'none',
'RECOMMENDED' => 'none',
'IM_L10N' => 'none',
'NAB' => '20140522',
'CS_SCHA' => '20080331',
'LDAPJDK' => 'none',
'BZIP' => 'none',
'MYSQL_MARKER' => 'none',
'IM_SCHA' => '20080403',
'MS_L10N' => 'none',
'LIBCPLUSPLUS' => 'none',
'MS_SCHA' => '20080519',
'CS' => '20120921',
'JHRT' => 'none',
'CE_L10N' => 'none',

```



```

'DA' => '20140106'
};
===== End QQQ findGetVersion =====
INFO: prod_mktVers{NSS} (no map) = 4.8.9
INFO: prod_mktVers{SASL} (no map) = 2.19
INFO: prod_mktVers{LDAPSDK6} (no map) = 6.0
INFO: prod_mktVers{LDAPSDK6_TOOLS} (no map) = 6.0
INFO: prod_mktVers{ICU} (no map) = ICU2,ICU3
INFO: prod_mktVers{JDK} (no map) = 1.6.0
INFO: prod_mktVers{JHRT} (no map) = 2.0
INFO: prod_mktVers{MQ} (no map) = 4.4
INFO: prod_mktVers{MQ_L10N} (no map) = 4.4
INFO: prod_mktVers{LDAPJDK} (no map) = 4.21
INFO: prod_mktVers{IMAPI} (w/ map) = 9u2
INFO: prod_mktVers{LIBCPLUSPLUS} (no map) = 5.9
INFO: prod_mktVers{PATCHUTILS} (no map) = Unknown
INFO: prod_mktVers{BZIP} (no map) = 11.10
INFO: prod_mktVers{RECOMMENDED} (no map) = 2013.02.19
INFO: prod_mktVers{MYSQL_MARKER} (w/ map) = 1.1
INFO: prod_mktVers{MYSQL} (w/ map) = 5.5.8
INFO: prod_mktVers{ST} (no map) = 1.1.4
INFO: prod_mktVers{CI} (w/ map) = 7u6
INFO: prod_mktVers{MS64} (w/ map) = 7u5
INFO: prod_mktVers{DSSETUP} (w/ map) = 6.4
INFO: prod_mktVers{DAV} (w/ map) = 7u4
INFO: prod_mktVers{IM} (w/ map) = 9u2
INFO: prod_mktVers{IWC} (w/ map) = 3
INFO: prod_mktVers{JISS} (w/ map) = 1u5
INFO: prod_mktVers{DA} (w/ map) = 7
INFO: prod_mktVers{MS_SCHA} (no map) = 7.0
INFO: prod_mktVers{IM_SCHA} (no map) = 7.3
Detecting Installed Products...
Checking LIBCPLUSPLUS 5.9 ...
Checking pkg SUNWlibc...pkgparam -v SUNWlibc 2>&1
CLASSES='none'
BASEDIR='/'
PATCH_INFO_119963-29='Installed: Saturday, October 5, 2013 03:05:09 PM
UTC From: host Obsoletes: Requires: Incompatibles:'
SCRIPTS_DIR='/opt/SunProd/studio12u3/solarisstudio12.3-148921-08/patches/12
Sat Nov 3 00:38:56 PDT 2012 From: host Obsoletes: Requires:
Incompatibles:'
INTERRUPTION='no'
PATCH_UNDO_ARCHIVE='none'
PATCH_BUILD_DIR='none'
PATCH_NO_UNDO='false'
PATCH_UNCONDITIONAL='false'
UPDATE='yes'
INSTDATE='Oct 05 2013 15:05'
PATCH_INFO_119963-24='Installed: Tue Aug 23 11:20:49 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCHLIST='119963-24 119963-27 119963-29'
LC_ALL=''
PKGSABV='/var/sadm/pkg/SUNWlibc/save'
PKGINST='SUNWlibc'
SUNW_PATCHID='119963-29'
PSTAMP='ouioui20041222170548'

```

```

VERSION='5.10,REV=2004.12.22'
SUNW_PRODVERS='5.10'
VENDOR='Oracle Corporation'
SUNW_PKGVERS='1.0'
SUNW_PRODNAME='SunOS'
SUNW_PKGTYPE='usr'
PKG='SUNWlibc'
NAME='Sun Workshop Compilers Bundled libc'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun Workshop Compilers Bundled libc'
CATEGORY='system'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='UTC'
LANG='en_US.ISO8859-1'
LC_MONETARY='en_US.ISO8859-1'
LC_MESSAGES='C'
LC_COLLATE='en_US.ISO8859-1'
LC_TIME='en_US.ISO8859-1'
LC_NUMERIC='en_US.ISO8859-1'
LC_CTYPE='en_US.ISO8859-1'
-- Exit status: 0
present.
LIBCPLUSPLUS 5.9 is already present.
Checking PATCHUTILS Unknown ...
Checking pkg SUNWpkgcmds...pkgparam -v SUNWpkgcmds 2>&1
CLASSES='none'
BASEDIR='/'
LC_CTYPE=''
LC_NUMERIC=''
LC_TIME=''
LC_COLLATE=''
LC_MESSAGES=''
LC_MONETARY=''
LC_ALL=''
LANG='C'
TZ='PST8PDT'
PKG_CLIENT_OS='Solaris'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_REVISION='0'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
OAMBASE='/usr/sadm/sysadm'
PKG='SUNWpkgcmds'
NAME='SVr4 packaging commands (usr)'
ARCH='sparc'
VERSION='11.11,REV=2005.01.09.23.05'
SUNW_PRODNAME='SunOS'
SUNW_PRODVERS='5.10'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'

```

```

SUNW_OBSOLETEES=''
MAXINST='1000'
CATEGORY='system'
DESC='Solaris 2.x System V Release IV Packaging Commands (usr)'
VENDOR='Oracle Corporation'
HOTLINE='Please contact your local service provider'
EMAIL=''
SUNW_REQUIRES='121133-02'
SUNW_INCOMPAT=''
SUNW_PATCHID='119254-88'
PSTAMP='on10-adms-patch20121113171249'
PKGINST='SUNWpkgcmdsu'
PKGSABV='/var/sadm/pkg/SUNWpkgcmdsu/save'
PATCHLIST='119317-01 119254-81 125978-08 800130-03 800214-05 119254-88'
INSTDATE='Feb 12 2013 15:55'
UPDATE='yes'
PATCH_NO_UNDO='false'
SCRIPTS_DIR='/export/lim/work/ci_tip/comms/comp/SunOS5.10_DBG.OBJ/release/S
119254-81 125978-08 800130-03 800214-05 119254-88'
INTERRUPTION='no'
PATCH_UNDO_ARCHIVE='none'
PATCH_BUILD_DIR='none'
PATCH_UNCONDITIONAL='false'
ACTIVE_PATCH='119254-88'
ACTIVE_OBSOLETEES='119015-03'
PATCH_INFO_119317-01='Installed: Tue Aug 23 11:16:31 PDT 2011 From:
fern-re Obsoletees: Requires: Incompatibles:'
PATCH_INFO_119254-81='Installed: Tue Aug 23 11:37:32 PDT 2011 From:
fern-re Obsoletees: 119015-03 Requires: 121133-02 Incompatibles:'
PATCH_INFO_125978-08='Installed: Tue Aug 23 12:52:12 PDT 2011 From:
fern-re Obsoletees: Requires: Incompatibles:'
PATCH_INFO_800130-03='Installed: Tue Aug 23 13:44:26 PDT 2011 From:
fern-re Obsoletees: Requires: Incompatibles:'
PATCH_INFO_800214-05='Installed: Tue Aug 23 14:58:34 PDT 2011 From:
fern-re Obsoletees: Requires: Incompatibles:'
PATCH_INFO_119254-88='Installed: Tue Feb 12 15:55:02 PST 2013 From: host
Obsoletees: 119015-03 Requires: 121133-02 Incompatibles:'
-- Exit status: 0
present.
Checking pkg SUNWswmt...pkgparam -v SUNWswmt 2>&1
CLASSES='none'
BASEDIR='/'
PATCH_INFO_119254-88='Installed: Tue Feb 12 15:55:10 PST 2013 From: host
Obsoletees: 119015-03 Requires: 121133-02 Incompatibles:'
PATCH_INFO_800214-05='Installed: Tue Aug 23 14:58:40 PDT 2011 From:
fern-re Obsoletees: Requires: Incompatibles:'
PATCH_INFO_800130-03='Installed: Tue Aug 23 13:44:33 PDT 2011 From:
fern-re Obsoletees: Requires: Incompatibles:'
PATCH_INFO_125978-08='Installed: Tue Aug 23 12:52:13 PDT 2011 From:
fern-re Obsoletees: Requires: Incompatibles:'
PATCH_INFO_120746-01='Installed: Tue Aug 23 12:35:58 PDT 2011 From:
fern-re Obsoletees: Requires: Incompatibles:'
PATCH_INFO_119254-81='Installed: Tue Aug 23 11:37:32 PDT 2011 From:
fern-re Obsoletees: 119015-03 Requires: 121133-02 Incompatibles:'
ACTIVE_OBSOLETEES='119015-03'
ACTIVE_PATCH='119254-88'

```

```

INTERRUPTION='no'
PATCH_UNDO_ARCHIVE='none'
PATCH_BUILD_DIR='none'
PATCH_UNCONDITIONAL='false'
OLDLIST='119254-81 120746-01 125978-08 800130-03 800214-05 119254-88'
SCRIPTS_DIR='/export/lim/work/ci_tip/comms/comp/SunOS5.10_DBG.OBJ/release/s
12 2013 15:55'
PATCHLIST='119254-81 120746-01 125978-08 800130-03 800214-05 119254-88'
PKGSAB=' /var/sadm/pkg/SUNWswmt/save'
PKGINST='SUNWswmt'
PSTAMP='on10-adms-patch20121113171250'
SUNW_PATCHID='119254-88'
SUNW_INCOMPAT=''
SUNW_REQUIRES='121133-02'
EMAIL=''
HOTLINE='Please contact your local service provider'
VENDOR='Oracle Corporation'
DESC='Solaris 2.x Install and Patch Utilities'
CATEGORY='system'
MAXINST='1000'
SUNW_OBSOLETE=''
SUNW_PKGTYPE='usr'
SUNW_PKGVERS='1.0'
SUNW_PRODVERS='5.10'
SUNW_PRODNAME='SunOS'
VERSION='11.10, REV=2005.01.10.17.19'
ARCH='sparc'
NAME='Install and Patch Utilities'
PKG='SUNWswmt'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWinstall-patch-utils-root...pkgparam -v
SUNWinstall-patch-utils-root 2>&1
CLASSES='none rbac manifest preserve'
BASEDIR='/'
LC_CTYPE=''
LC_NUMERIC=''
LC_TIME=''
LC_COLLATE=''
LC_MESSAGES=''
LC_MONETARY=''
LC_ALL=''

```

```

LANG='C'
TZ='PST8PDT'
PKG_CLIENT_OS='Solaris'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_REVISION='0'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
OAMBASE='/usr/sadm/sysadm'
PKG='SUNWinstall-patch-utils-root'
NAME='Install and Patch Utilities (root)'
ARCH='sparc'
VERSION='11.10,REV=2005.01.09.23.05'
SUNW_PRODNAME='SunOS'
SUNW_PRODVERS='5.10'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='root'
SUNW_OBSOLETES=''
MAXINST='1000'
CATEGORY='system'
DESC='Install and Patch Utilities (root)'
VENDOR='Oracle Corporation'
HOTLINE='Please contact your local service provider'
EMAIL=''
SUNW_REQUIRES='121133-02'
SUNW_INCOMPAT=''
SUNW_PATCHID='119254-88'
PSTAMP='on10-adms-patch20121113171247'
PKGINST='SUNWinstall-patch-utils-root'
PKGSAB='/var/sadm/pkg/SUNWinstall-patch-utils-root/save'
PATCH_UNCONDITIONAL='false'
PATCH_BUILD_DIR='none'
PATCH_UNDO_ARCHIVE='none'
INTERRUPTION='no'
OLDLIST='119254-81 125978-08 800128-01 800130-03 800214-05 119254-88'
ACTIVE_PATCH='119254-88'
ACTIVE_OBSOLETES='119015-03'
PATCHLIST='119254-81 125978-08 800128-01 800130-03 800214-05 119254-88'
INSTDATE='Feb 12 2013 15:55'
UPDATE='yes'
PATCH_NO_UNDO='false'
SCRIPTS_DIR='/export/lim/work/ci_tip/comms/comp/SunOS5.10_DBG.OBJ/release/S
Tue Aug 23 11:37:31 PDT 2011 From: fern-re Obsoletes: 119015-03
Requires: 121133-02 Incompatibles:'
PATCH_INFO_125978-08='Installed: Tue Aug 23 12:52:11 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800128-01='Installed: Tue Aug 23 13:43:44 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800130-03='Installed: Tue Aug 23 13:43:56 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800214-05='Installed: Tue Aug 23 14:58:17 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_119254-88='Installed: Tue Feb 12 15:55:00 PST 2013 From: host
Obsoletes: 119015-03 Requires: 121133-02 Incompatibles:'
-- Exit status: 0
present.
Checking pkg SUNWcsr...pkgparam -v SUNWcsr 2>&1
CLASSES='none initd renamenew preserve cronroot passwd tiservices

```

```

inetdconf definit etcremote nsswitch netconfig deflogin defsu syslogconf
ttypsrch group inittab etcrpc etcprofile mailxrc shadow voldconf rmmconf
locallogin localprofile logadmconf nscd fstypes pamconf services rbac
renameold dhcpinittab policyconf pkcs11confbase defpasswd vfstab
manifest ttydefs dhcpagent hosts ipsecalgbase sock2path defkbd'
BASEDIR='/'
LANG=''
TZ='UTC'
PKG_CLIENT_OS='Solaris'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_REVISION='0'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
OAMBASE='/usr/sadm/sysadm'
PKG='SUNWcsr'
NAME='Core Solaris, (Root)'
ARCH='sparc'
VERSION='11.10.0, REV=2005.01.21.15.53'
SUNW_PRODNAME='SunOS'
SUNW_PRODVERS='5.10/Generic'
SUNW_PKGTYPE='root'
SUNW_OBSOLETE=' '
MAXINST='1000'
CATEGORY='system'
DESC='core software for a specific instruction-set architecture'
VENDOR='Oracle Corporation'
HOTLINE='Please contact your local service provider'
EMAIL=' '
SUNW_PKGVERS='1.0'
SUNW_PKG_ALLZONES='true'
SUNW_PKG_HOLLOW='false'
SUNW_REQUIRES='118833-36 120011-14 121133-02 125555-10 127127-11
137137-09 139555-08 141444-09 142909-17 142933-04 144500-19'
SUNW_INCOMPAT=' '
SUNW_PATCHID='147440-12'
PSTAMP='on10-patch20120207154903'
PKGINST='SUNWcsr'
PKGSAB=' /var/sadm/pkg/SUNWcsr/save'
PKG_NO_UNIFIED='TRUE'
PATCHLIST='118918-24 120900-04 121133-02 124188-03 125547-02 125891-01
126897-02 137093-01 137097-01 137274-01 140796-01 140860-02 141016-01
141032-01 141496-01 142251-02 142292-01 142911-01 144526-01 144647-01
145959-01 146292-01 146673-01 147186-01 121453-02 138217-01 138866-03
118833-36 121561-04 122640-05 123912-02 125503-02 127755-01 138766-01
139962-02 145120-01 120011-14 127127-11 128402-02 137115-01 137137-09
138181-01 139555-08 141444-09 141900-01 142909-17 143513-02 143609-03
143954-04 144039-02 144500-19 144909-02 145019-01 146476-01 119079-13
121061-01 121778-12 121780-12 123259-12 125095-15 125888-01 138287-07
138289-07 800111-04 800113-04 800120-08 800122-08 800151-15 800153-15
800200-15 800202-16 144526-02 147440-12'
PATCH_INFO_118918-24='Installed: Tue Aug 23 11:14:25 PDT 2011 From:
fern-re Obsoletes: 116781-02 119012-03 121282-02 121284-02 121292-01
121473-01 121476-01 121478-01 121786-01 123444-01 Requires:
Incompatibles:'
PATCH_INFO_120900-04='Installed: Tue Aug 23 11:22:23 PDT 2011 From:
fern-re Obsoletes: 121266-01 Requires: Incompatibles:'
PATCH_INFO_121133-02='Installed: Tue Aug 23 11:22:28 PDT 2011 From:

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fern-re Obsoletes: 121333-03 Requires: 120900-04 Incompatibles: '
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PATCH_INFO_125547-02='Installed: Tue Aug 23 11:28:56 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles: '
PATCH_INFO_125891-01='Installed: Tue Aug 23 11:29:15 PDT 2011 From:
fern-re Obsoletes: 121265-03 125476-02 Requires: Incompatibles: '
PATCH_INFO_126897-02='Installed: Tue Aug 23 11:29:49 PDT 2011 From:
fern-re Obsoletes: 123426-05 123839-07 Requires: 119578-30
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PATCH_INFO_137093-01='Installed: Tue Aug 23 11:30:19 PDT 2011 From:
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PATCH_INFO_137097-01='Installed: Tue Aug 23 11:30:20 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles: '
PATCH_INFO_137274-01='Installed: Tue Aug 23 11:30:28 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles: '
PATCH_INFO_140796-01='Installed: Tue Aug 23 11:34:11 PDT 2011 From:
fern-re Obsoletes: 126419-02 Requires: Incompatibles: '
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fern-re Obsoletes: 119267-01 119574-02 Requires: Incompatibles: '
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fern-re Obsoletes: 141717-01 Requires: Incompatibles: '
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fern-re Obsoletes: Requires: Incompatibles: '
PATCH_INFO_121453-02='Installed: Tue Aug 23 11:38:18 PDT 2011 From:
fern-re Obsoletes: 120776-03 121086-02 119107-07 Requires: 119574-02
119254-06 Incompatibles: '
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PATCH_INFO_138866-03='Installed: Tue Aug 23 11:39:08 PDT 2011 From:
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119712-04 119852-03 119943-01 119984-03 120052-03 120196-02 121000-05

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PATCH_INFO_123912-02='Installed: Tue Aug 23 11:45:04 PDT 2011 From:
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fern-re Obsoletes: 125800-02 125369-13 Requires: 118833-36 119578-30
123839-07 126897-02 Incompatibles:'
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PATCH_INFO_139962-02='Installed: Tue Aug 23 11:45:51 PDT 2011 From:
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Incompatibles:'
PATCH_INFO_145120-01='Installed: Tue Aug 23 11:46:01 PDT 2011 From:
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Incompatibles:'
PATCH_INFO_120011-14='Installed: Tue Aug 23 11:48:18 PDT 2011 From:

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119073-03 119077-10 119265-02 119332-01 119336-01 119573-02 119580-05
119586-02 119593-01 119685-11 119824-02 119826-02 119981-09 119985-02
119998-02 120023-01 120032-04 120048-03 120050-06 120469-07 120473-12
120629-08 120780-04 120809-01 120824-09 120845-05 120990-02 120998-02
121006-02 121010-06 121215-01 121229-02 121235-01 121278-01 121282-02
121284-02 121288-03 121292-01 121294-01 121406-01 121473-01 121474-01
121476-01 121478-01 121786-01 121905-01 122251-01 122328-01 122404-01
122412-01 122513-02 122535-01 122637-01 122646-02 122658-04 122660-10
122662-05 122752-04 123017-01 123249-02 123256-02 123324-03 123330-01
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124442-01 124916-03 124918-02 124921-02 124922-03 124987-02 124990-01
124993-01 124995-01 125009-01 125011-01 125014-03 125018-02 125020-01
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136887-01 137044-01 137082-01 137113-01 Requires: 118731-01 118833-36
118918-24 119042-09 119254-51 119578-30 120011-14 120900-04 121133-02
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143135-03 143137-04 143350-05 143352-01 143354-03 143356-01 143357-05
143359-02 143360-01 143515-01 143519-01 143521-02 143523-04 143528-01
143556-04 143558-01 143565-01 143569-04 143574-01 143576-03 143583-02
143585-01 143586-02 143590-01 143595-01 143597-02 143603-01 143605-01
143607-01 143611-01 143613-01 143623-01 143895-01 143897-03 143899-01
143903-01 143905-01 143907-01 143909-06 143911-01 143920-02 143927-02
143933-01 143935-01 143943-01 144015-01 144017-01 144019-01 144021-01
144023-01 144043-01 144045-02 144049-01 144051-03 144056-01 144110-01
144182-01 144258-01 144369-01 144373-01 144389-01 144453-01 144494-01
144511-01 144624-01 144761-01 145024-01 145049-01 145051-01 145102-01
145103-01 Requires: 118731-01 118833-36 118918-24 119042-09 119578-30
120011-14 120900-04 121133-02 121901-01 126540-02 126897-02 127127-11
127755-01 137137-09 139555-08 141444-09 142911-01 142933-02
Incompatibles:'
PATCH_INFO_143513-02='Installed: Tue Aug 23 11:54:39 PDT 2011 From:
fern-re Obsoletes: Requires: 118833-36 120011-14 125503-02 141444-09
Incompatibles:'
PATCH_INFO_143609-03='Installed: Tue Aug 23 11:54:46 PDT 2011 From:
fern-re Obsoletes: 144196-02 Requires: 118833-36 120011-14 139555-08
Incompatibles:'
PATCH_INFO_143954-04='Installed: Tue Aug 23 11:54:59 PDT 2011 From:
fern-re Obsoletes: 142053-03 142485-01 142487-01 142535-03 Requires:
127127-11 139555-08 Incompatibles:'
PATCH_INFO_144039-02='Installed: Tue Aug 23 11:55:05 PDT 2011 From:
fern-re Obsoletes: 140961-03 140964-02 Requires: 119042-09 120011-14
121901-01 123406-02 126419-02 139555-08 140796-01 141444-09 142909-17
Incompatibles:'
PATCH_INFO_144500-19='Installed: Tue Aug 23 11:55:30 PDT 2011 From:
fern-re Obsoletes: 118735-02 118842-01 120044-01 120061-02 120085-02
120994-01 121559-01 122183-03 122408-01 123319-01 123908-02 124237-01
125167-01 125171-02 125414-01 125549-01 126258-03 126260-02 126319-01
126655-02 126896-01 127737-02 127998-01 128000-01 128326-01 136889-01
136892-01 138079-01 138085-01 138087-01 138089-01 138128-01 138239-01
138261-03 138291-01 138293-01 138320-02 138371-06 138373-02 138377-01
138383-01 138387-01 138634-01 138880-02 139478-01 139485-02 139959-04
140074-09 140161-01 140163-01 140190-01 140387-02 140399-03 140683-01

140784-01 140921-02 141010-01 141020-03 141024-01 141052-02 141500-08
 141502-02 141506-10 141508-02 141534-01 141686-01 141738-01 142046-04
 142238-02 142342-01 142542-01 143140-04 143559-10 143561-10 143571-02
 143575-01 143592-09 144053-05 144055-01 144184-02 144254-01 144256-01
 144302-01 144311-03 144313-01 144315-01 144367-02 144382-01 144384-02
 144459-01 144488-17 144490-01 144508-02 144521-01 144530-01 144532-01
 144536-02 144542-06 144548-01 144550-01 144552-01 144554-01 144561-02
 144563-02 144565-05 144567-02 144571-02 144573-01 144574-06 144748-02
 144754-01 144759-02 144874-01 144903-02 145021-01 145042-03 145046-01
 145047-01 145107-02 145124-02 145788-03 145792-01 145794-01 145796-02
 145798-08 145868-05 145870-01 145885-01 145887-01 145889-03 145893-02
 145895-05 145897-01 145901-01 145907-02 145913-01 145915-01 145927-02
 145933-02 145939-01 145941-02 145944-01 145961-02 145963-01 146017-04
 146018-03 146019-02 146021-02 146023-01 146028-05 146030-01 146058-02
 146062-02 146064-01 146066-02 146069-04 146070-01 146073-01 146132-01
 146230-01 146277-01 146287-01 146327-01 146328-02 146336-03 146440-01
 146442-01 146443-01 146447-02 146449-01 146478-01 146482-01 146484-01
 146570-02 146584-01 146677-01 146701-01 146778-02 146802-03 146804-01
 146842-01 146846-01 146855-01 146857-01 147053-01 147182-01 Requires:
 118833-36 118918-24 119042-09 119254-41 119578-30 120011-14 121901-01
 125891-01 126897-02 127127-11 127755-01 137137-09 139555-08 141444-09
 142909-17 142933-03 144526-01 147061-01 Incompatibles:'
 PATCH_INFO_144909-02='Installed: Tue Aug 23 11:56:33 PDT 2011 From:
 fern-re Obsoletes: 144746-01 Requires: 118833-36 120011-14 137137-09
 142909-17 Incompatibles:'
 PATCH_INFO_145019-01='Installed: Tue Aug 23 11:56:39 PDT 2011 From:
 fern-re Obsoletes: Requires: 118833-36 120011-14 139555-08 141444-09
 Incompatibles:'
 PATCH_INFO_146476-01='Installed: Tue Aug 23 11:58:04 PDT 2011 From:
 fern-re Obsoletes: 144544-01 Requires: 120011-14 139555-08 142909-17
 Incompatibles:'
 PATCH_INFO_119079-13='Installed: Tue Aug 23 12:35:13 PDT 2011 From:
 fern-re Obsoletes: Requires: Incompatibles:'
 PATCH_INFO_121061-01='Installed: Tue Aug 23 12:36:04 PDT 2011 From:
 fern-re Obsoletes: Requires: Incompatibles:'
 PATCH_INFO_121778-12='Installed: Tue Aug 23 12:36:18 PDT 2011 From:
 fern-re Obsoletes: Requires: Incompatibles:'
 PATCH_INFO_121780-12='Installed: Tue Aug 23 12:36:27 PDT 2011 From:
 fern-re Obsoletes: Requires: Incompatibles:'
 PATCH_INFO_123259-12='Installed: Tue Aug 23 12:36:47 PDT 2011 From:
 fern-re Obsoletes: Requires: Incompatibles:'
 PATCH_INFO_125095-15='Installed: Tue Aug 23 12:40:06 PDT 2011 From:
 fern-re Obsoletes: Requires: Incompatibles:'
 PATCH_INFO_125888-01='Installed: Tue Aug 23 12:52:06 PDT 2011 From:
 fern-re Obsoletes: Requires: Incompatibles:'
 PATCH_INFO_138287-07='Installed: Tue Aug 23 12:55:26 PDT 2011 From:
 fern-re Obsoletes: Requires: Incompatibles:'
 PATCH_INFO_138289-07='Installed: Tue Aug 23 13:07:30 PDT 2011 From:
 fern-re Obsoletes: Requires: Incompatibles:'
 PATCH_INFO_800111-04='Installed: Tue Aug 23 13:11:38 PDT 2011 From:
 fern-re Obsoletes: Requires: Incompatibles:'
 PATCH_INFO_800113-04='Installed: Tue Aug 23 13:25:04 PDT 2011 From:
 fern-re Obsoletes: Requires: Incompatibles:'
 PATCH_INFO_800120-08='Installed: Tue Aug 23 13:28:17 PDT 2011 From:
 fern-re Obsoletes: Requires: Incompatibles:'
 PATCH_INFO_800122-08='Installed: Tue Aug 23 13:43:20 PDT 2011 From:

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fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800151-15='Installed: Tue Aug 23 13:47:24 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800153-15='Installed: Tue Aug 23 14:02:40 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800200-15='Installed: Tue Aug 23 14:41:55 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800202-16='Installed: Tue Aug 23 14:57:45 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
MODIFIED_AFTER_INSTALLED=''
INSTDATE='Jun 13 2012 04:25'
UPDATE='yes'
PATCH_UNCONDITIONAL='false'
PATCH_NO_UNDO='true'
PATCH_BUILD_DIR='none'
PATCH_UNDO_ARCHIVE='none'
INTERRUPTION='no'
PATCH_INFO_144526-02='Installed: Wed Jun 13 04:19:24 UTC 2012 From: host
Obsoletes: Requires: 125555-11 Incompatibles:'
SCRIPTS_DIR='/tmp/patch_sol_set/10_Recommended/11282011/patches/147440-12/9
125902-02 137276-01 140383-01 140563-03 141590-02 141765-01 143941-02
144534-02 146279-01 146281-01 146283-01 146294-03 146320-03 146322-01
146575-03 146767-02 147012-02 147157-02 147258-01 147268-01 147436-01
147699-01 147701-01 147713-01 147770-01 148229-01'
PATCH_INFO_147440-12='Installed: Wed Jun 13 04:25:06 UTC 2012 From: host
Obsoletes: 125804-01 125902-02 137276-01 140383-01 140563-03 141590-02
141765-01 143941-02 144534-02 146279-01 146281-01 146283-01 146294-03
146320-03 146322-01 146575-03 146767-02 147012-02 147157-02 147258-01
147268-01 147436-01 147699-01 147701-01 147713-01 147770-01 148229-01
Requires: 118833-36 120011-14 121133-02 125555-10 127127-11 137137-09
139555-08 141444-09 142909-17 142933-04 144500-19 Incompatibles:'
-- Exit status: 0
present.
Checking pkg SUNWdtrc...pkgparam -v SUNWdtrc 2>&1
CLASSES='none'
BASEDIR='/'
LANG=''
TZ='UTC'
PKG_CLIENT_OS='Solaris'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_REVISION='0'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
OAMBASE='/usr/sadm/sysadm'
PKG='SUNWdtrc'
NAME='DTrace Clients'
ARCH='sparc'
VERSION='11.10.0, REV=2005.01.21.15.53'
SUNW_PRODNAME='SunOS'
SUNW_PRODVERS='5.10/Generic'
SUNW_PKGTYPE='usr'
SUNW_OBSOLETES=''
MAXINST='1000'
CATEGORY='system'
DESC='Dynamic Tracing (DTrace) Clients'
VENDOR='Oracle Corporation'
HOTLINE='Please contact your local service provider'

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EMAIL=''
SUNW_PKGVERS='1.0'
SUNW_PKG_ALLZONES='true'
SUNW_PKG_HOLLOW='false'
SUNW_REQUIRES='118833-36 120011-14 121133-02 125555-10 127127-11
137137-09 139555-08 141444-09 142909-17 142933-04 144500-19'
SUNW_INCOMPAT=''
SUNW_PATCHID='147440-12'
PSTAMP='on10-patch20120207154906'
PKGINST='SUNWdtrc'
PKGSAB=' /var/sadm/pkg/SUNWdtrc/save'
PKG_NO_UNIFIED='TRUE'
PATCHLIST='120900-04 118833-36 120011-14 127127-11 137137-09 139555-08
141444-09 142909-17 144500-19 146575-03 125095-15 138287-07 800111-04
800120-08 800151-15 800200-15 147440-12'
PATCH_INFO_120900-04='Installed: Tue Aug 23 11:22:23 PDT 2011 From:
fern-re Obsoletes: 121266-01 Requires: Incompatibles:'
PATCH_INFO_118833-36='Installed: Tue Aug 23 11:42:01 PDT 2011 From:
fern-re Obsoletes: 118822-30 118348-01 118868-01 120996-02 121298-01
119712-04 119852-03 119943-01 119984-03 120052-03 120196-02 121000-05
117170-01 117461-08 118370-04 118375-07 118852-07 118874-02 118911-01
118913-02 118927-02 118996-04 119216-02 119218-02 119374-13 119444-03
119557-09 119568-02 119569-02 119572-01 119596-03 119681-08 119687-02
119689-08 119715-10 119828-05 119939-01 119941-03 119992-02 119994-01
119996-01 120009-01 120030-03 120034-01 120054-02 120083-01 120251-02
120254-03 120258-02 120300-01 120362-02 120627-01 121237-01 121266-01
121268-01 121276-03 121280-01 121301-02 121777-01 121784-01 121788-02
121790-01 121792-01 121794-02 121796-01 121798-01 121800-01 121802-01
121804-01 121806-01 121808-01 121810-01 121812-01 121814-01 121816-01
121818-01 121820-01 121822-01 121824-01 121826-01 121832-01 121834-01
121836-01 121838-01 121840-01 121842-01 121844-01 121846-01 121848-01
121850-01 121852-01 121854-01 121894-01 122079-01 122081-01 122176-01
122235-01 122237-02 122241-01 122242-01 122243-01 122294-01 122296-01
122298-01 122302-01 122304-01 122306-01 122314-01 122316-01 122318-01
122320-01 122322-01 122324-01 122334-01 122336-01 122338-01 122339-01
122342-01 122344-01 122346-01 122348-01 122350-01 122644-01 120661-04
121694-01 118346-05 118812-03 118857-01 118920-02 119562-01 119571-01
119587-01 120467-05 121782-01 123950-02 118915-01 119560-02 119561-03
119333-01 119582-04 122333-01 122364-01 122366-01 122368-01 122370-01
122372-01 122374-01 122378-01 122380-01 122382-01 122384-01 122386-01
122392-01 119850-22 119982-05 120036-07 120253-03 120664-01 120844-01
121236-02 121693-03 122027-08 122215-01 122253-01 122388-01 122406-01
122523-03 122539-06 122650-02 122750-01 123302-01 123320-01 123352-05
123524-01 122394-01 122519-01 122652-04 123336-01 120198-05 121302-01
122195-03 122648-02 122856-03 123066-01 123304-02 123442-02 123522-01
123914-02 123952-01 124282-01 118548-01 118550-04 119719-01 119205-03
119207-02 119564-01 119215-02 119334-02 119566-01 119831-01 119682-02
118859-01 118992-03 119858-02 120197-01 118850-03 119589-03 118551-03
118835-04 118846-02 118923-04 119075-14 119577-01 119683-02 119832-02
119945-02 119951-01 119949-02 119983-01 119990-01 120017-02 120302-01
120304-05 119947-02 120066-01 118553-04 119591-03 119979-01 120537-05
120013-02 120471-02 124206-02 118870-02 123348-04 122410-01 Requires:
118918-13 119254-14 119042-09 119578-30 Incompatibles:'
PATCH_INFO_120011-14='Installed: Tue Aug 23 11:48:22 PDT 2011 From:
fern-re Obsoletes: 116781-02 117447-01 117463-05 118371-10 118373-01
118564-03 118731-01 118879-02 118890-03 118925-05 118929-05 119012-03

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119073-03 119077-10 119265-02 119332-01 119336-01 119573-02 119580-05
119586-02 119593-01 119685-11 119824-02 119826-02 119981-09 119985-02
119998-02 120023-01 120032-04 120048-03 120050-06 120469-07 120473-12
120629-08 120780-04 120809-01 120824-09 120845-05 120990-02 120998-02
121006-02 121010-06 121215-01 121229-02 121235-01 121278-01 121282-02
121284-02 121288-03 121292-01 121294-01 121406-01 121473-01 121474-01
121476-01 121478-01 121786-01 121905-01 122251-01 122328-01 122404-01
122412-01 122513-02 122535-01 122637-01 122646-02 122658-04 122660-10
122662-05 122752-04 123017-01 123249-02 123256-02 123324-03 123330-01
123350-01 123354-03 123356-02 123362-01 123418-02 123420-02 123422-03
123441-05 123444-01 123910-03 123911-01 123916-05 123954-01 124204-04
124208-01 124250-03 124254-04 124258-07 124280-01 124286-01 124327-04
124442-01 124916-03 124918-02 124921-02 124922-03 124987-02 124990-01
124993-01 124995-01 125009-01 125011-01 125014-03 125018-02 125020-01
125024-01 125026-01 125028-03 125035-01 125040-01 125042-02 125073-01
125077-03 125079-01 125100-10 125112-01 125114-01 125116-02 125118-01
125120-03 125123-01 125127-01 125129-01 125198-02 125203-01 125329-03
125363-06 125371-01 125383-01 125385-02 125420-01 125422-01 125424-01
125427-01 125430-01 125432-01 125465-02 125478-01 125486-01 125488-02
125492-01 125494-02 125497-01 125792-01 125795-01 126255-01 126303-02
126310-01 126320-01 126429-01 126536-01 126663-01 126838-01 Requires:
118833-36 118918-24 119042-09 119254-42 119574-02 119578-30 120272-12
120900-04 121133-02 121901-01 122640-05 125369-05 125503-02 125547-01
126419-01 126897-02 Incompatibles:'
PATCH_INFO_127127-11='Installed: Tue Aug 23 11:49:40 PDT 2011 From:
fern-re Obsoletes: 118557-09 118560-02 118562-14 118843-01 120046-01
120068-03 120737-01 121132-03 121233-01 121239-02 121290-03 121721-01
121944-03 122363-02 122537-02 123360-01 123398-02 123564-01 123712-01
123836-01 123915-01 124235-03 124252-03 124256-06 125016-02 125037-06
125043-01 125081-16 125122-01 125131-01 125169-01 125196-05 125202-01
125251-02 125253-01 125367-03 125380-02 125382-01 125418-01 125482-03
125484-04 125490-02 125501-01 125553-03 125890-03 125899-01 125917-03
126135-01 126143-01 126144-02 126322-01 126423-03 126432-01 126434-06
126448-05 126450-01 126647-02 126664-01 126665-01 126666-01 126668-01
126670-01 126672-02 126916-01 127111-11 127716-01 127718-05 127728-06
127730-04 127732-01 127741-01 127745-01 127747-01 127749-03 127750-01
127753-02 127757-01 127761-01 127855-02 127858-01 127862-01 127874-01
127880-02 127918-02 127966-01 127982-01 127984-02 127990-02 127992-01
128002-01 128028-03 128030-03 128314-01 128404-01 128500-01 136718-01
136887-01 137044-01 137082-01 137113-01 Requires: 118731-01 118833-36
118918-24 119042-09 119254-51 119578-30 120011-14 120900-04 121133-02
121901-01 125891-01 126540-02 126897-02 127755-01 Incompatibles:'
PATCH_INFO_137137-09='Installed: Tue Aug 23 11:50:32 PDT 2011 From:
fern-re Obsoletes: 120741-01 120986-12 120992-02 121008-02 121274-01
121414-01 122029-01 122083-02 122172-06 122174-03 122356-01 122358-01
122517-04 122525-03 123186-03 123809-02 123932-02 124999-01 125416-06
126133-04 126145-01 126304-01 126653-01 126661-02 126674-01 127714-03
127735-02 127739-03 127866-05 127868-01 127886-06 127888-11 127892-06
127914-01 127959-02 127968-01 127970-01 128294-02 128400-05 128408-01
128410-01 128413-01 128493-01 128548-08 136885-04 137042-01 137045-01
137050-01 137086-01 137091-01 137099-01 137109-01 137111-08 137119-01
137127-01 137135-01 137139-01 137280-02 137287-01 138042-05 138048-05
138050-01 138051-01 138052-01 138054-01 138056-02 138060-04 138064-03
138066-01 138068-01 138070-03 138072-02 138074-01 138075-02 138108-01
138125-01 138127-01 138225-02 138229-02 138233-01 138237-01 138243-02
138249-01 138251-01 138257-01 138259-01 138265-01 138271-04 138273-01

138277-01 138279-01 138280-01 138284-04 138305-01 138306-01 138308-02
 138310-01 138312-01 138314-01 138315-01 138316-01 138363-01 138365-01
 138379-01 138390-02 138394-01 138401-01 138899-01 Requires: 118731-01
 118822-24 118833-36 118918-24 119254-58 119374-09 119578-30 120011-14
 120900-04 121133-02 125503-02 126897-02 127127-11 127755-01 138866-01
 Incompatibles:'
 PATCH_INFO_139555-08='Installed: Tue Aug 23 11:51:18 PDT 2011 From:
 fern-re Obsoletes: 120062-01 121130-01 125551-02 126264-01 127743-02
 127853-02 128253-01 128296-01 128318-01 128322-01 128340-01 128406-01
 137095-01 137106-01 137278-01 138058-01 138106-02 138114-01 138231-01
 138241-05 138397-01 138639-01 138850-01 138864-01 138878-01 138888-08
 139385-02 139458-01 139459-01 139466-04 139483-05 139489-03 139492-01
 139494-01 139498-04 139500-04 139502-03 139506-01 139551-01 139558-03
 139560-02 139562-02 139566-01 139570-05 139571-01 139572-02 139574-03
 139579-04 139931-01 139936-01 139938-01 139939-01 139942-01 139947-01
 139951-01 139952-01 139960-02 139965-01 139994-01 140000-04 140076-02
 140077-01 140142-01 140173-01 140194-04 140196-01 140197-01 140334-01
 140389-01 140402-01 140411-01 140677-01 140679-01 140774-03 140776-01
 140794-01 140855-01 141006-01 141008-01 Requires: 125555-02 118731-01
 118833-36 118918-24 119042-09 119254-41 119578-30 120011-14 120900-04
 121133-02 126897-02 127127-11 127755-01 137137-09 138217-01 140796-01
 140899-01 141016-01 Incompatibles:'
 PATCH_INFO_141444-09='Installed: Tue Aug 23 11:52:07 PDT 2011 From:
 fern-re Obsoletes: 119143-02 120807-01 122754-01 123402-01 124924-01
 125915-01 126266-01 126421-02 128004-01 128304-04 128306-05 128328-01
 128334-01 128491-01 137021-03 137121-06 137129-06 137141-01 137289-02
 137292-01 138044-02 138083-01 138104-01 138130-01 138174-04 138255-03
 138269-02 138392-01 138625-02 138629-01 139386-02 139462-02 139464-01
 139490-01 139881-01 139928-03 139956-01 139964-03 139973-01 139974-03
 139977-07 139982-04 139985-02 139991-03 139993-03 139996-02 140150-01
 140338-01 140408-01 140589-02 140916-02 140919-04 141028-01 141057-01
 141414-10 141494-01 141510-03 141520-01 141524-03 141530-01 141538-01
 141540-01 141546-01 141554-01 141556-01 141560-02 141690-02 141692-01
 141694-02 141715-03 141721-03 141729-01 141731-01 141733-04 141736-05
 141742-04 141743-04 141767-01 141770-01 141771-01 141775-01 141777-01
 141781-02 141892-01 141894-01 141902-02 141908-01 141918-01 141920-03
 141934-01 142004-01 142013-01 142051-01 142056-02 142246-01 142284-01
 142479-01 142483-01 142489-01 Requires: 118833-36 118918-24 119042-09
 119254-41 119578-30 120011-14 120900-04 121133-02 121901-01 121921-02
 125503-02 126540-02 126897-02 127127-11 127755-01 137137-09 139555-08
 142292-01 Incompatibles:'
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 125174-02 125200-01 125201-01 125808-01 125896-03 126308-01 126428-01
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 139970-01 139971-01 139975-03 139983-04 140003-03 140078-01 140144-01
 140146-01 140151-02 140157-03 140165-01 140167-01 140169-01 140175-01
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141544-01 141550-02 141562-02 141723-02 141740-01 141773-01 141780-01
141899-03 141906-01 141914-02 141922-02 142005-01 142055-03 142236-02
142242-05 142245-02 142247-01 142249-01 142257-05 142259-07 142263-01
142290-01 142330-01 142346-02 142390-03 142436-08 142481-01 142528-01
142539-01 142541-01 142675-01 142900-15 143051-01 143052-02 143054-01
143117-01 143119-02 143120-03 143122-02 143125-02 143128-05 143131-08
143135-03 143137-04 143350-05 143352-01 143354-03 143356-01 143357-05
143359-02 143360-01 143515-01 143519-01 143521-02 143523-04 143528-01
143556-04 143558-01 143565-01 143569-04 143574-01 143576-03 143583-02
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143607-01 143611-01 143613-01 143623-01 143895-01 143897-03 143899-01
143903-01 143905-01 143907-01 143909-06 143911-01 143920-02 143927-02
143933-01 143935-01 143943-01 144015-01 144017-01 144019-01 144021-01
144023-01 144043-01 144045-02 144049-01 144051-03 144056-01 144110-01
144182-01 144258-01 144369-01 144373-01 144389-01 144453-01 144494-01
144511-01 144624-01 144761-01 145024-01 145049-01 145051-01 145102-01
145103-01 Requires: 118731-01 118833-36 118918-24 119042-09 119578-30
120011-14 120900-04 121133-02 121901-01 126540-02 126897-02 127127-11
127755-01 137137-09 139555-08 141444-09 142911-01 142933-02
Incompatibles: '
PATCH_INFO_144500-19='Installed: Tue Aug 23 11:55:31 PDT 2011 From:
fern-re Obsoletes: 118735-02 118842-01 120044-01 120061-02 120085-02
120994-01 121559-01 122183-03 122408-01 123319-01 123908-02 124237-01
125167-01 125171-02 125414-01 125549-01 126258-03 126260-02 126319-01
126655-02 126896-01 127737-02 127998-01 128000-01 128326-01 136889-01
136892-01 138079-01 138085-01 138087-01 138089-01 138128-01 138239-01
138261-03 138291-01 138293-01 138320-02 138371-06 138373-02 138377-01
138383-01 138387-01 138634-01 138880-02 139478-01 139485-02 139959-04
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140784-01 140921-02 141010-01 141020-03 141024-01 141052-02 141500-08
141502-02 141506-10 141508-02 141534-01 141686-01 141738-01 142046-04
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143575-01 143592-09 144053-05 144055-01 144184-02 144254-01 144256-01
144302-01 144311-03 144313-01 144315-01 144367-02 144382-01 144384-02
144459-01 144488-17 144490-01 144508-02 144521-01 144530-01 144532-01
144536-02 144542-06 144548-01 144550-01 144552-01 144554-01 144561-02
144563-02 144565-05 144567-02 144571-02 144573-01 144574-06 144748-02
144754-01 144759-02 144874-01 144903-02 145021-01 145042-03 145046-01
145047-01 145107-02 145124-02 145788-03 145792-01 145794-01 145796-02
145798-08 145868-05 145870-01 145885-01 145887-01 145889-03 145893-02
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145933-02 145939-01 145941-02 145944-01 145961-02 145963-01 146017-04
146018-03 146019-02 146021-02 146023-01 146028-05 146030-01 146058-02
146062-02 146064-01 146066-02 146069-04 146070-01 146073-01 146132-01
146230-01 146277-01 146287-01 146327-01 146328-02 146336-03 146440-01
146442-01 146443-01 146447-02 146449-01 146478-01 146482-01 146484-01
146570-02 146584-01 146677-01 146701-01 146778-02 146802-03 146804-01
146842-01 146846-01 146855-01 146857-01 147053-01 147182-01 Requires:
118833-36 118918-24 119042-09 119254-41 119578-30 120011-14 121901-01
125891-01 126897-02 127127-11 127755-01 137137-09 139555-08 141444-09
142909-17 142933-03 144526-01 147061-01 Incompatibles: '
PATCH_INFO_146575-03='Installed: Tue Aug 23 11:58:14 PDT 2011 From:
fern-re Obsoletes: 141590-02 141765-01 143941-02 Requires: 118833-36
120011-14 127127-11 137137-09 139555-08 141444-09 142909-17

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Incompatibles:
PATCH_INFO_125095-15='Installed: Tue Aug 23 12:41:10 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_138287-07='Installed: Tue Aug 23 12:56:34 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800111-04='Installed: Tue Aug 23 13:12:48 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800120-08='Installed: Tue Aug 23 13:29:31 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800151-15='Installed: Tue Aug 23 13:48:39 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800200-15='Installed: Tue Aug 23 14:43:12 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
INSTDATE='Jun 13 2012 04:25'
UPDATE='yes'
PATCH_UNCONDITIONAL='false'
PATCH_NO_UNDO='true'
PATCH_BUILD_DIR='none'
PATCH_UNDO_ARCHIVE='none'
INTERRUPTION='no'
ACTIVE_OBSOLETES='125804-01 125902-02 137276-01 140383-01 140563-03
141590-02 141765-01 143941-02 144534-02 146279-01 146281-01 146283-01
146294-03 146320-03 146322-01 146575-03 146767-02 147012-02 147157-02
147258-01 147268-01 147436-01 147699-01 147701-01 147713-01 147770-01
148229-01'
PATCH_INFO_147440-12='Installed: Wed Jun 13 04:25:10 UTC 2012 From: host
Obsoletes: 125804-01 125902-02 137276-01 140383-01 140563-03 141590-02
141765-01 143941-02 144534-02 146279-01 146281-01 146283-01 146294-03
146320-03 146322-01 146575-03 146767-02 147012-02 147157-02 147258-01
147268-01 147436-01 147699-01 147701-01 147713-01 147770-01 148229-01
Requires: 118833-36 120011-14 121133-02 125555-10 127127-11 137137-09
139555-08 141444-09 142909-17 142933-04 144500-19 Incompatibles:'
SCRIPTS_DIR='/tmp/patch_sol_set/10_Recommended/11282011/patches/147440-12/s
Exit status: 0
present.
Checking pkg SUNWzoneu...pkgparam -v SUNWzoneu 2>&1
CLASSES='none'
BASEDIR='/'
LANG=''
TZ='UTC'
PKG_CLIENT_OS='Solaris'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_REVISION='0'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
OAMBASE='/usr/sadm/sysadm'
PKG='SUNWzoneu'
NAME='Solaris Zones (Usr)'
ARCH='sparc'
VERSION='11.10.0, REV=2005.01.21.15.53'
SUNW_PRODNAME='SunOS'
SUNW_PRODVERS='5.10/Generic'
SUNW_PKGTYPE='usr'
SUNW_OBSOLETES=''
MAXINST='1000'
CATEGORY='system'
DESC='Solaris Zones Configuration and Administration'

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VENDOR='Oracle Corporation'
HOTLINE='Please contact your local service provider'
EMAIL=''
SUNW_PKGVERS='1.0'
SUNW_PKG_ALLZONES='true'
SUNW_PKG_HOLLOW='false'
SUNW_REQUIRES='118833-36 120011-14 121133-02 125555-10 127127-11
137137-09 139555-08 141444-09 142909-17 142933-04 144500-19'
SUNW_INCOMPAT=''
SUNW_PATCHID='147440-12'
PSTAMP='on10-patch20120207154925'
PKGINST='SUNWzoneu'
PKGSAB=' /var/sadm/pkg/SUNWzoneu/save'
PKG_NO_UNIFIED='TRUE'
PATCHLIST='120900-04 121133-02 120011-14 127127-11 137137-09 139555-08
141444-09 142909-17 144569-01 145194-01 145911-03 146134-01 146334-01
146767-02 121778-12 123259-12 125095-15 138287-07 800111-04 800120-08
800151-15 800200-15 147440-12'
PATCH_INFO_120900-04='Installed: Tue Aug 23 11:22:24 PDT 2011 From:
fern-re Obsoletes: 121266-01 Requires: Incompatibles:'
PATCH_INFO_121133-02='Installed: Tue Aug 23 11:22:28 PDT 2011 From:
fern-re Obsoletes: 121333-03 Requires: 120900-04 Incompatibles:'
PATCH_INFO_120011-14='Installed: Tue Aug 23 11:49:04 PDT 2011 From:
fern-re Obsoletes: 116781-02 117447-01 117463-05 118371-10 118373-01
118564-03 118731-01 118879-02 118890-03 118925-05 118929-05 119012-03
119073-03 119077-10 119265-02 119332-01 119336-01 119573-02 119580-05
119586-02 119593-01 119685-11 119824-02 119826-02 119981-09 119985-02
119998-02 120023-01 120032-04 120048-03 120050-06 120469-07 120473-12
120629-08 120780-04 120809-01 120824-09 120845-05 120990-02 120998-02
121006-02 121010-06 121215-01 121229-02 121235-01 121278-01 121282-02
121284-02 121288-03 121292-01 121294-01 121406-01 121473-01 121474-01
121476-01 121478-01 121786-01 121905-01 122251-01 122328-01 122404-01
122412-01 122513-02 122535-01 122637-01 122646-02 122658-04 122660-10
122662-05 122752-04 123017-01 123249-02 123256-02 123324-03 123330-01
123350-01 123354-03 123356-02 123362-01 123418-02 123420-02 123422-03
123441-05 123444-01 123910-03 123911-01 123916-05 123954-01 124204-04
124208-01 124250-03 124254-04 124258-07 124280-01 124286-01 124327-04
124442-01 124916-03 124918-02 124921-02 124922-03 124987-02 124990-01
124993-01 124995-01 125009-01 125011-01 125014-03 125018-02 125020-01
125024-01 125026-01 125028-03 125035-01 125040-01 125042-02 125073-01
125077-03 125079-01 125100-10 125112-01 125114-01 125116-02 125118-01
125120-03 125123-01 125127-01 125129-01 125198-02 125203-01 125329-03
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125492-01 125494-02 125497-01 125792-01 125795-01 126255-01 126303-02
126310-01 126320-01 126429-01 126536-01 126663-01 126838-01 Requires:
118833-36 118918-24 119042-09 119254-42 119574-02 119578-30 120272-12
120900-04 121133-02 121901-01 122640-05 125369-05 125503-02 125547-01
126419-01 126897-02 Incompatibles:'
PATCH_INFO_127127-11='Installed: Tue Aug 23 11:50:02 PDT 2011 From:
fern-re Obsoletes: 118557-09 118560-02 118562-14 118843-01 120046-01
120068-03 120737-01 121132-03 121233-01 121239-02 121290-03 121721-01
121944-03 122363-02 122537-02 123360-01 123398-02 123564-01 123712-01
123836-01 123915-01 124235-03 124252-03 124256-06 125016-02 125037-06
125043-01 125081-16 125122-01 125131-01 125169-01 125196-05 125202-01
125251-02 125253-01 125367-03 125380-02 125382-01 125418-01 125482-03

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125484-04 125490-02 125501-01 125553-03 125890-03 125899-01 125917-03
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 126448-05 126450-01 126647-02 126664-01 126665-01 126666-01 126668-01
 126670-01 126672-02 126916-01 127111-11 127716-01 127718-05 127728-06
 127730-04 127732-01 127741-01 127745-01 127747-01 127749-03 127750-01
 127753-02 127757-01 127761-01 127855-02 127858-01 127862-01 127874-01
 127880-02 127918-02 127966-01 127982-01 127984-02 127990-02 127992-01
 128002-01 128028-03 128030-03 128314-01 128404-01 128500-01 136718-01
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 118918-24 119042-09 119254-51 119578-30 120011-14 120900-04 121133-02
 121901-01 125891-01 126540-02 126897-02 127755-01 Incompatibles:'
 PATCH_INFO_137137-09='Installed: Tue Aug 23 11:50:54 PDT 2011 From:
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 121414-01 122029-01 122083-02 122172-06 122174-03 122356-01 122358-01
 122517-04 122525-03 123186-03 123809-02 123932-02 124999-01 125416-06
 126133-04 126145-01 126304-01 126653-01 126661-02 126674-01 127714-03
 127735-02 127739-03 127866-05 127868-01 127886-06 127888-11 127892-06
 127914-01 127959-02 127968-01 127970-01 128294-02 128400-05 128408-01
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 137050-01 137086-01 137091-01 137099-01 137109-01 137111-08 137119-01
 137127-01 137135-01 137139-01 137280-02 137287-01 138042-05 138048-05
 138050-01 138051-01 138052-01 138054-01 138056-02 138060-04 138064-03
 138066-01 138068-01 138070-03 138072-02 138074-01 138075-02 138108-01
 138125-01 138127-01 138225-02 138229-02 138233-01 138237-01 138243-02
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 Incompatibles:'
 PATCH_INFO_139555-08='Installed: Tue Aug 23 11:51:37 PDT 2011 From:
 fern-re Obsoletes: 120062-01 121130-01 125551-02 126264-01 127743-02
 127853-02 128253-01 128296-01 128318-01 128322-01 128340-01 128406-01
 137095-01 137106-01 137278-01 138058-01 138106-02 138114-01 138231-01
 138241-05 138397-01 138639-01 138850-01 138864-01 138878-01 138888-08
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 139560-02 139562-02 139566-01 139570-05 139571-01 139572-02 139574-03
 139579-04 139931-01 139936-01 139938-01 139939-01 139942-01 139947-01
 139951-01 139952-01 139960-02 139965-01 139994-01 140000-04 140076-02
 140077-01 140142-01 140173-01 140194-04 140196-01 140197-01 140334-01
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 140794-01 140855-01 141006-01 141008-01 Requires: 125555-02 118731-01
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 121133-02 126897-02 127127-11 127755-01 137137-09 138217-01 140796-01
 140899-01 141016-01 Incompatibles:'
 PATCH_INFO_141444-09='Installed: Tue Aug 23 11:52:32 PDT 2011 From:
 fern-re Obsoletes: 119143-02 120807-01 122754-01 123402-01 124924-01
 125915-01 126266-01 126421-02 128004-01 128304-04 128306-05 128328-01
 128334-01 128491-01 137021-03 137121-06 137129-06 137141-01 137289-02
 137292-01 138044-02 138083-01 138104-01 138130-01 138174-04 138255-03
 138269-02 138392-01 138625-02 138629-01 139386-02 139462-02 139464-01
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141540-01 141546-01 141554-01 141556-01 141560-02 141690-02 141692-01
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141781-02 141892-01 141894-01 141902-02 141908-01 141918-01 141920-03
141934-01 142004-01 142013-01 142051-01 142056-02 142246-01 142284-01
142479-01 142483-01 142489-01 Requires: 118833-36 118918-24 119042-09
119254-41 119578-30 120011-14 120900-04 121133-02 121901-01 121921-02
125503-02 126540-02 126897-02 127127-11 127755-01 137137-09 139555-08
142292-01 Incompatibles:'
PATCH_INFO_142909-17='Installed: Tue Aug 23 11:54:27 PDT 2011 From:
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122085-01 123194-01 123271-01 123332-02 123334-05 125022-01 125108-02
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138169-01 138223-03 138263-03 138283-05 138318-03 138324-03 138375-01
138381-01 138411-01 138627-07 138644-01 138764-02 138848-02 138858-01
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140192-01 140386-04 140391-03 140395-01 140397-11 140401-01 140413-01
140557-01 140559-01 140562-02 140681-02 140788-01 140917-02 141012-01
141022-02 141026-14 141030-10 141034-02 141054-01 141536-01 141542-01
141544-01 141550-02 141562-02 141723-02 141740-01 141773-01 141780-01
141899-03 141906-01 141914-02 141922-02 142005-01 142055-03 142236-02
142242-05 142245-02 142247-01 142249-01 142257-05 142259-07 142263-01
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142539-01 142541-01 142675-01 142900-15 143051-01 143052-02 143054-01
143117-01 143119-02 143120-03 143122-02 143125-02 143128-05 143131-08
143135-03 143137-04 143350-05 143352-01 143354-03 143356-01 143357-05
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143585-01 143586-02 143590-01 143595-01 143597-02 143603-01 143605-01
143607-01 143611-01 143613-01 143623-01 143895-01 143897-03 143899-01
143903-01 143905-01 143907-01 143909-06 143911-01 143920-02 143927-02
143933-01 143935-01 143943-01 144015-01 144017-01 144019-01 144021-01
144023-01 144043-01 144045-02 144049-01 144051-03 144056-01 144110-01
144182-01 144258-01 144369-01 144373-01 144389-01 144453-01 144494-01
144511-01 144624-01 144761-01 145024-01 145049-01 145051-01 145102-01
145103-01 Requires: 118731-01 118833-36 118918-24 119042-09 119578-30
120011-14 120900-04 121133-02 121901-01 126540-02 126897-02 127127-11
127755-01 137137-09 139555-08 141444-09 142911-01 142933-02
Incompatibles:'
PATCH_INFO_144569-01='Installed: Tue Aug 23 11:56:20 PDT 2011 From:
fern-re Obsoletes: Requires: 118731-01 120011-14 127127-11 137137-09
139555-08 142909-17 Incompatibles:'
PATCH_INFO_145194-01='Installed: Tue Aug 23 11:56:46 PDT 2011 From:
fern-re Obsoletes: Requires: 137137-09 139555-08 Incompatibles:'
PATCH_INFO_145911-03='Installed: Tue Aug 23 11:57:14 PDT 2011 From:
fern-re Obsoletes: 144556-03 Requires: 120011-14 120900-04 121133-02
127127-11 137137-09 139555-08 141444-09 142909-17 Incompatibles:'
PATCH_INFO_146134-01='Installed: Tue Aug 23 11:57:47 PDT 2011 From:

```

fern-re Obsoletes: Requires: 142909-17 Incompatibles:'
PATCH_INFO_146334-01='Installed: Tue Aug 23 11:58:02 PDT 2011 From:
fern-re Obsoletes: Requires: 120011-14 121133-02 127127-11 139555-08
142909-17 Incompatibles:'
PATCH_INFO_146767-02='Installed: Tue Aug 23 11:58:38 PDT 2011 From:
fern-re Obsoletes: Requires: 120011-14 121133-02 127127-11 137137-09
139555-08 141444-09 142909-17 Incompatibles:'
PATCH_INFO_121778-12='Installed: Tue Aug 23 12:36:25 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_123259-12='Installed: Tue Aug 23 12:37:37 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_125095-15='Installed: Tue Aug 23 12:51:33 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_138287-07='Installed: Tue Aug 23 13:07:27 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800111-04='Installed: Tue Aug 23 13:25:01 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800120-08='Installed: Tue Aug 23 13:43:16 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800151-15='Installed: Tue Aug 23 14:02:36 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800200-15='Installed: Tue Aug 23 14:57:41 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
INSTDATE='Jun 13 2012 04:25'
UPDATE='yes'
PATCH_UNCONDITIONAL='false'
PATCH_NO_UNDO='true'
PATCH_BUILD_DIR='none'
PATCH_UNDO_ARCHIVE='none'
INTERRUPTION='no'
ACTIVE_OBSOLETES='125804-01 125902-02 137276-01 140383-01 140563-03
141590-02 141765-01 143941-02 144534-02 146279-01 146281-01 146283-01
146294-03 146320-03 146322-01 146575-03 146767-02 147012-02 147157-02
147258-01 147268-01 147436-01 147699-01 147701-01 147713-01 147770-01
148229-01'
PATCH_INFO_147440-12='Installed: Wed Jun 13 04:25:43 UTC 2012 From: host
Obsoletes: 125804-01 125902-02 137276-01 140383-01 140563-03 141590-02
141765-01 143941-02 144534-02 146279-01 146281-01 146283-01 146294-03
146320-03 146322-01 146575-03 146767-02 147012-02 147157-02 147258-01
147268-01 147436-01 147699-01 147701-01 147713-01 147770-01 148229-01
Requires: 118833-36 120011-14 121133-02 125555-10 127127-11 137137-09
139555-08 141444-09 142909-17 142933-04 144500-19 Incompatibles:'
SCRIPTS_DIR='/tmp/patch_sol_set/10_Recommended/11282011/patches/147440-12/s
Exit status: 0
present.
PATCHUTILS Unknown is already present.
Checking BZIP 11.10 ...
Checking pkg SUNWbzip...pkgparam -v SUNWbzip 2>&1
CLASSES='none'
BASEDIR='/'
LANG=''
TZ='UTC'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
OAMBASE='/usr/sadm/sysadm'
ARCH='sparc'
CATEGORY='system'

```



```

DESC='The bzip compression utility'
EMAIL=''
HOTLINE='Please contact your local service provider'
MAXINST='1000'
NAME='The bzip compression utility'
PKG='SUNWbzip'
SUNW_PKGTYPE='usr'
SUNW_PKGVERS='1.0'
SUNW_PRODNAME='SunOS'
SUNW_PRODVERS='5.10/SunOS Development'
VERSION='11.10.0,REV=2005.01.08.05.16'
PSTAMP='sfw10-patch20110415085252'
VENDOR='Oracle Corporation'
PATCHLIST='126868-04 137321-01 120272-31 128355-09 138423-06 138892-02
800102-01 800156-06 800198-06'
PATCH_INFO_126868-04='Installed: Tue Aug 23 11:29:47 PDT 2011 From:
fern-re Obsoletes: 127784-01 Requires: Incompatibles:'
PATCH_INFO_137321-01='Installed: Tue Aug 23 11:30:29 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_120272-31='Installed: Tue Aug 23 11:43:21 PDT 2011 From:
fern-re Obsoletes: Requires: 119042-09 121901-01 122539-05
Incompatibles:'
PATCH_INFO_128355-09='Installed: Tue Aug 23 12:52:51 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_138423-06='Installed: Tue Aug 23 13:07:40 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_138892-02='Installed: Tue Aug 23 13:08:10 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800102-01='Installed: Tue Aug 23 13:08:47 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800156-06='Installed: Tue Aug 23 14:03:31 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800198-06='Installed: Tue Aug 23 14:34:37 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PKGINST='SUNWbzip'
PKGSAB=' /var/sadm/pkg/SUNWbzip/save'
INSTDATE='Jun 13 2012 03:51'
-- Exit status: 0
present.
BZIP 11.10 is already present.
Checking RECOMMENDED 2013.02.19 ...
Checking pkg SUNWckr...pkgparam -v SUNWckr 2>&1
CLASSES='none etcsystem kcfconfbase manifest preserve renameold
scsivhconf sdconf renamenew'
BASEDIR='/'
LANG=''
TZ='UTC'
PKG_CLIENT_OS='Solaris'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_REVISION='0'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
OAMBASE='/usr/sadm/sysadm'
PKG='SUNWckr'
NAME='Core Solaris Kernel (Root)'
ARCH='sparc'
VERSION='11.10.0,REV=2005.01.21.15.53'

```

```

SUNW_PRODNAME='SunOS'
SUNW_PRODVERS='5.10/Generic'
SUNW_PKGTYPE='root'
SUNW_OBSOLETES=''
MAXINST='1000'
CATEGORY='system'
DESC='core kernel software for a specific instruction-set architecture'
VENDOR='Oracle Corporation'
HOTLINE='Please contact your local service provider'
EMAIL=''
SUNW_PKGVERS='1.0'
SUNW_PKG_ALLZONES='true'
SUNW_PKG_HOLLOW='true'
SUNW_REQUIRES='118833-36 120011-14 121133-02 125555-10 127127-11
137137-09 139555-08 141444-09 142909-17 142933-04 144500-19'
SUNW_INCOMPAT=''
SUNW_PATCHID='147440-12'
PSTAMP='on10-patch20120207154901'
PKGINST='SUNWckr'
PKGSAB=' /var/sadm/pkg/SUNWckr/save'
PKG_NO_UNIFIED='TRUE'
PATCHLIST='118918-24 119578-30 120311-02 138217-01 118833-36 121337-01
128310-01 146320-03 120011-14 127127-11 128332-01 137032-01 137137-09
137282-01 139555-08 141444-09 142332-03 142394-01 142909-17 144500-19
144534-02 145204-01 145919-02 145940-01 146060-01 146236-02 146283-01
146652-01 146834-01 147192-01 147440-01 121778-12 121780-12 123259-12
125095-15 125888-01 138287-07 138289-07 800111-04 800113-04 800120-08
800122-08 800151-15 800153-15 800200-15 800202-16 144524-02 147159-03
147440-12'
PATCH_INFO_118918-24='Installed: Tue Aug 23 11:14:21 PDT 2011 From:
fern-re Obsoletes: 116781-02 119012-03 121282-02 121284-02 121292-01
121473-01 121476-01 121478-01 121786-01 123444-01 Requires:
Incompatibles:'
PATCH_INFO_119578-30='Installed: Tue Aug 23 11:16:41 PDT 2011 From:
fern-re Obsoletes: 119330-01 119331-01 119559-01 119576-01 120635-02
122396-01 Requires: Incompatibles:'
PATCH_INFO_120311-02='Installed: Tue Aug 23 11:21:37 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_138217-01='Installed: Tue Aug 23 11:38:52 PDT 2011 From:
fern-re Obsoletes: 119042-11 Requires: 119254-51 Incompatibles:'
PATCH_INFO_118833-36='Installed: Tue Aug 23 11:41:54 PDT 2011 From:
fern-re Obsoletes: 118822-30 118348-01 118868-01 120996-02 121298-01
119712-04 119852-03 119943-01 119984-03 120052-03 120196-02 121000-05
117170-01 117461-08 118370-04 118375-07 118852-07 118874-02 118911-01
118913-02 118927-02 118996-04 119216-02 119218-02 119374-13 119444-03
119557-09 119568-02 119569-02 119572-01 119596-03 119681-08 119687-02
119689-08 119715-10 119828-05 119939-01 119941-03 119992-02 119994-01
119996-01 120009-01 120030-03 120034-01 120054-02 120083-01 120251-02
120254-03 120258-02 120300-01 120362-02 120627-01 121237-01 121266-01
121268-01 121276-03 121280-01 121301-02 121777-01 121784-01 121788-02
121790-01 121792-01 121794-02 121796-01 121798-01 121800-01 121802-01
121804-01 121806-01 121808-01 121810-01 121812-01 121814-01 121816-01
121818-01 121820-01 121822-01 121824-01 121826-01 121832-01 121834-01
121836-01 121838-01 121840-01 121842-01 121844-01 121846-01 121848-01
121850-01 121852-01 121854-01 121894-01 122079-01 122081-01 122176-01
122235-01 122237-02 122241-01 122242-01 122243-01 122294-01 122296-01

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122298-01 122302-01 122304-01 122306-01 122314-01 122316-01 122318-01
 122320-01 122322-01 122324-01 122334-01 122336-01 122338-01 122339-01
 122342-01 122344-01 122346-01 122348-01 122350-01 122644-01 120661-04
 121694-01 118346-05 118812-03 118857-01 118920-02 119562-01 119571-01
 119587-01 120467-05 121782-01 123950-02 118915-01 119560-02 119561-03
 119333-01 119582-04 122333-01 122364-01 122366-01 122368-01 122370-01
 122372-01 122374-01 122378-01 122380-01 122382-01 122384-01 122386-01
 122392-01 119850-22 119982-05 120036-07 120253-03 120664-01 120844-01
 121236-02 121693-03 122027-08 122215-01 122253-01 122388-01 122406-01
 122523-03 122539-06 122650-02 122750-01 123302-01 123320-01 123352-05
 123524-01 122394-01 122519-01 122652-04 123336-01 120198-05 121302-01
 122195-03 122648-02 122856-03 123066-01 123304-02 123442-02 123522-01
 123914-02 123952-01 124282-01 118548-01 118550-04 119719-01 119205-03
 119207-02 119564-01 119215-02 119334-02 119566-01 119831-01 119682-02
 118859-01 118992-03 119858-02 120197-01 118850-03 119589-03 118551-03
 118835-04 118846-02 118923-04 119075-14 119577-01 119683-02 119832-02
 119945-02 119951-01 119949-02 119983-01 119990-01 120017-02 120302-01
 120304-05 119947-02 120066-01 118553-04 119591-03 119979-01 120537-05
 120013-02 120471-02 124206-02 118870-02 123348-04 122410-01 Requires:
 118918-13 119254-14 119042-09 119578-30 Incompatibles:'
 PATCH_INFO_121337-01='Installed: Tue Aug 23 11:44:44 PDT 2011 From:
 fern-re Obsoletes: Requires: 118822-23 Incompatibles:'
 PATCH_INFO_128310-01='Installed: Tue Aug 23 11:45:32 PDT 2011 From:
 fern-re Obsoletes: 128258-01 Requires: 118833-36 Incompatibles:'
 PATCH_INFO_146320-03='Installed: Tue Aug 23 11:46:09 PDT 2011 From:
 fern-re Obsoletes: 140383-01 140563-03 146281-01 Requires: 118833-36
 Incompatibles:'
 PATCH_INFO_120011-14='Installed: Tue Aug 23 11:48:15 PDT 2011 From:
 fern-re Obsoletes: 116781-02 117447-01 117463-05 118371-10 118373-01
 118564-03 118731-01 118879-02 118890-03 118925-05 118929-05 119012-03
 119073-03 119077-10 119265-02 119332-01 119336-01 119573-02 119580-05
 119586-02 119593-01 119685-11 119824-02 119826-02 119981-09 119985-02
 119998-02 120023-01 120032-04 120048-03 120050-06 120469-07 120473-12
 120629-08 120780-04 120809-01 120824-09 120845-05 120990-02 120998-02
 121006-02 121010-06 121215-01 121229-02 121235-01 121278-01 121282-02
 121284-02 121288-03 121292-01 121294-01 121406-01 121473-01 121474-01
 121476-01 121478-01 121786-01 121905-01 122251-01 122328-01 122404-01
 122412-01 122513-02 122535-01 122637-01 122646-02 122658-04 122660-10
 122662-05 122752-04 123017-01 123249-02 123256-02 123324-03 123330-01
 123350-01 123354-03 123356-02 123362-01 123418-02 123420-02 123422-03
 123441-05 123444-01 123910-03 123911-01 123916-05 123954-01 124204-04
 124208-01 124250-03 124254-04 124258-07 124280-01 124286-01 124327-04
 124442-01 124916-03 124918-02 124921-02 124922-03 124987-02 124990-01
 124993-01 124995-01 125009-01 125011-01 125014-03 125018-02 125020-01
 125024-01 125026-01 125028-03 125035-01 125040-01 125042-02 125073-01
 125077-03 125079-01 125100-10 125112-01 125114-01 125116-02 125118-01
 125120-03 125123-01 125127-01 125129-01 125198-02 125203-01 125329-03
 125363-06 125371-01 125383-01 125385-02 125420-01 125422-01 125424-01
 125427-01 125430-01 125432-01 125465-02 125478-01 125486-01 125488-02
 125492-01 125494-02 125497-01 125792-01 125795-01 126255-01 126303-02
 126310-01 126320-01 126429-01 126536-01 126663-01 126838-01 Requires:
 118833-36 118918-24 119042-09 119254-42 119574-02 119578-30 120272-12
 120900-04 121133-02 121901-01 122640-05 125369-05 125503-02 125547-01
 126419-01 126897-02 Incompatibles:'
 PATCH_INFO_127127-11='Installed: Tue Aug 23 11:49:34 PDT 2011 From:
 fern-re Obsoletes: 118557-09 118560-02 118562-14 118843-01 120046-01

120068-03 120737-01 121132-03 121233-01 121239-02 121290-03 121721-01
121944-03 122363-02 122537-02 123360-01 123398-02 123564-01 123712-01
123836-01 123915-01 124235-03 124252-03 124256-06 125016-02 125037-06
125043-01 125081-16 125122-01 125131-01 125169-01 125196-05 125202-01
125251-02 125253-01 125367-03 125380-02 125382-01 125418-01 125482-03
125484-04 125490-02 125501-01 125553-03 125890-03 125899-01 125917-03
126135-01 126143-01 126144-02 126322-01 126423-03 126432-01 126434-06
126448-05 126450-01 126647-02 126664-01 126665-01 126666-01 126668-01
126670-01 126672-02 126916-01 127111-11 127716-01 127718-05 127728-06
127730-04 127732-01 127741-01 127745-01 127747-01 127749-03 127750-01
127753-02 127757-01 127761-01 127855-02 127858-01 127862-01 127874-01
127880-02 127918-02 127966-01 127982-01 127984-02 127990-02 127992-01
128002-01 128028-03 128030-03 128314-01 128404-01 128500-01 136718-01
136887-01 137044-01 137082-01 137113-01 Requires: 118731-01 118833-36
118918-24 119042-09 119254-51 119578-30 120011-14 120900-04 121133-02
121901-01 125891-01 126540-02 126897-02 127755-01 Incompatibles:'
PATCH_INFO_128332-01='Installed: Tue Aug 23 11:50:06 PDT 2011 From:
fern-re Obsoletes: 128495-01 Requires: 118833-36 120011-14
Incompatibles:'
PATCH_INFO_137032-01='Installed: Tue Aug 23 11:50:11 PDT 2011 From:
fern-re Obsoletes: 136716-01 Requires: 118833-36 120011-14
Incompatibles:'
PATCH_INFO_137137-09='Installed: Tue Aug 23 11:50:29 PDT 2011 From:
fern-re Obsoletes: 120741-01 120986-12 120992-02 121008-02 121274-01
121414-01 122029-01 122083-02 122172-06 122174-03 122356-01 122358-01
122517-04 122525-03 123186-03 123809-02 123932-02 124999-01 125416-06
126133-04 126145-01 126304-01 126653-01 126661-02 126674-01 127714-03
127735-02 127739-03 127866-05 127868-01 127886-06 127888-11 127892-06
127914-01 127959-02 127968-01 127970-01 128294-02 128400-05 128408-01
128410-01 128413-01 128493-01 128548-08 136885-04 137042-01 137045-01
137050-01 137086-01 137091-01 137099-01 137109-01 137111-08 137119-01
137127-01 137135-01 137139-01 137280-02 137287-01 138042-05 138048-05
138050-01 138051-01 138052-01 138054-01 138056-02 138060-04 138064-03
138066-01 138068-01 138070-03 138072-02 138074-01 138075-02 138108-01
138125-01 138127-01 138225-02 138229-02 138233-01 138237-01 138243-02
138249-01 138251-01 138257-01 138259-01 138265-01 138271-04 138273-01
138277-01 138279-01 138280-01 138284-04 138305-01 138306-01 138308-02
138310-01 138312-01 138314-01 138315-01 138316-01 138363-01 138365-01
138379-01 138390-02 138394-01 138401-01 138899-01 Requires: 118731-01
118822-24 118833-36 118918-24 119254-58 119374-09 119578-30 120011-14
120900-04 121133-02 125503-02 126897-02 127127-11 127755-01 138866-01
Incompatibles:'
PATCH_INFO_137282-01='Installed: Tue Aug 23 11:50:56 PDT 2011 From:
fern-re Obsoletes: Requires: 118833-36 120011-14 Incompatibles:'
PATCH_INFO_139555-08='Installed: Tue Aug 23 11:51:15 PDT 2011 From:
fern-re Obsoletes: 120062-01 121130-01 125551-02 126264-01 127743-02
127853-02 128253-01 128296-01 128318-01 128322-01 128340-01 128406-01
137095-01 137106-01 137278-01 138058-01 138106-02 138114-01 138231-01
138241-05 138397-01 138639-01 138850-01 138864-01 138878-01 138888-08
139385-02 139458-01 139459-01 139466-04 139483-05 139489-03 139492-01
139494-01 139498-04 139500-04 139502-03 139506-01 139551-01 139558-03
139560-02 139562-02 139566-01 139570-05 139571-01 139572-02 139574-03
139579-04 139931-01 139936-01 139938-01 139939-01 139942-01 139947-01
139951-01 139952-01 139960-02 139965-01 139994-01 140000-04 140076-02
140077-01 140142-01 140173-01 140194-04 140196-01 140197-01 140334-01
140389-01 140402-01 140411-01 140677-01 140679-01 140774-03 140776-01

140794-01 140855-01 141006-01 141008-01 Requires: 125555-02 118731-01
 118833-36 118918-24 119042-09 119254-41 119578-30 120011-14 120900-04
 121133-02 126897-02 127127-11 127755-01 137137-09 138217-01 140796-01
 140899-01 141016-01 Incompatibles:'
 PATCH_INFO_141444-09='Installed: Tue Aug 23 11:52:04 PDT 2011 From:
 fern-re Obsoletes: 119143-02 120807-01 122754-01 123402-01 124924-01
 125915-01 126266-01 126421-02 128004-01 128304-04 128306-05 128328-01
 128334-01 128491-01 137021-03 137121-06 137129-06 137141-01 137289-02
 137292-01 138044-02 138083-01 138104-01 138130-01 138174-04 138255-03
 138269-02 138392-01 138625-02 138629-01 139386-02 139462-02 139464-01
 139490-01 139881-01 139928-03 139956-01 139964-03 139973-01 139974-03
 139977-07 139982-04 139985-02 139991-03 139993-03 139996-02 140150-01
 140338-01 140408-01 140589-02 140916-02 140919-04 141028-01 141057-01
 141414-10 141494-01 141510-03 141520-01 141524-03 141530-01 141538-01
 141540-01 141546-01 141554-01 141556-01 141560-02 141690-02 141692-01
 141694-02 141715-03 141721-03 141729-01 141731-01 141733-04 141736-05
 141742-04 141743-04 141767-01 141770-01 141771-01 141775-01 141777-01
 141781-02 141892-01 141894-01 141902-02 141908-01 141918-01 141920-03
 141934-01 142004-01 142013-01 142051-01 142056-02 142246-01 142284-01
 142479-01 142483-01 142489-01 Requires: 118833-36 118918-24 119042-09
 119254-41 119578-30 120011-14 120900-04 121133-02 121901-01 121921-02
 125503-02 126540-02 126897-02 127127-11 127755-01 137137-09 139555-08
 142292-01 Incompatibles:'
 PATCH_INFO_142332-03='Installed: Tue Aug 23 11:52:54 PDT 2011 From:
 fern-re Obsoletes: 142007-01 Requires: 120011-14 127127-11 137137-09
 139555-08 Incompatibles:'
 PATCH_INFO_142394-01='Installed: Tue Aug 23 11:53:03 PDT 2011 From:
 fern-re Obsoletes: 141059-01 Requires: 118833-36 120011-14 127127-11
 139555-08 Incompatibles:'
 PATCH_INFO_142909-17='Installed: Tue Aug 23 11:53:33 PDT 2011 From:
 fern-re Obsoletes: 118814-01 120038-01 120816-01 121128-01 121394-03
 122085-01 123194-01 123271-01 123332-02 123334-05 125022-01 125108-02
 125174-02 125200-01 125201-01 125808-01 125896-03 126308-01 126428-01
 127723-01 127759-03 127762-01 127882-03 128032-01 128324-02 128346-01
 136891-02 137017-03 137028-01 137123-03 137133-01 137291-01 138046-02
 138081-01 138098-01 138112-01 138116-01 138118-01 138120-01 138157-01
 138169-01 138223-03 138263-03 138283-05 138318-03 138324-03 138375-01
 138381-01 138411-01 138627-07 138644-01 138764-02 138848-02 138858-01
 138870-01 138872-02 138874-05 139390-01 139468-01 139487-01 139503-01
 139504-01 139508-01 139509-02 139514-01 139553-01 139568-01 139935-01
 139941-01 139943-01 139945-03 139946-01 139948-01 139949-01 139958-01
 139970-01 139971-01 139975-03 139983-04 140003-03 140078-01 140144-01
 140146-01 140151-02 140157-03 140165-01 140167-01 140169-01 140175-01
 140192-01 140386-04 140391-03 140395-01 140397-11 140401-01 140413-01
 140557-01 140559-01 140562-02 140681-02 140788-01 140917-02 141012-01
 141022-02 141026-14 141030-10 141034-02 141054-01 141536-01 141542-01
 141544-01 141550-02 141562-02 141723-02 141740-01 141773-01 141780-01
 141899-03 141906-01 141914-02 141922-02 142005-01 142055-03 142236-02
 142242-05 142245-02 142247-01 142249-01 142257-05 142259-07 142263-01
 142290-01 142330-01 142346-02 142390-03 142436-08 142481-01 142528-01
 142539-01 142541-01 142675-01 142900-15 143051-01 143052-02 143054-01
 143117-01 143119-02 143120-03 143122-02 143125-02 143128-05 143131-08
 143135-03 143137-04 143350-05 143352-01 143354-03 143356-01 143357-05
 143359-02 143360-01 143515-01 143519-01 143521-02 143523-04 143528-01
 143556-04 143558-01 143565-01 143569-04 143574-01 143576-03 143583-02
 143585-01 143586-02 143590-01 143595-01 143597-02 143603-01 143605-01

143607-01 143611-01 143613-01 143623-01 143895-01 143897-03 143899-01
 143903-01 143905-01 143907-01 143909-06 143911-01 143920-02 143927-02
 143933-01 143935-01 143943-01 144015-01 144017-01 144019-01 144021-01
 144023-01 144043-01 144045-02 144049-01 144051-03 144056-01 144110-01
 144182-01 144258-01 144369-01 144373-01 144389-01 144453-01 144494-01
 144511-01 144624-01 144761-01 145024-01 145049-01 145051-01 145102-01
 145103-01 Requires: 118731-01 118833-36 118918-24 119042-09 119578-30
 120011-14 120900-04 121133-02 121901-01 126540-02 126897-02 127127-11
 127755-01 137137-09 139555-08 141444-09 142911-01 142933-02
 Incompatibles: '
 PATCH_INFO_144500-19='Installed: Tue Aug 23 11:55:28 PDT 2011 From:
 fern-re Obsoletes: 118735-02 118842-01 120044-01 120061-02 120085-02
 120994-01 121559-01 122183-03 122408-01 123319-01 123908-02 124237-01
 125167-01 125171-02 125414-01 125549-01 126258-03 126260-02 126319-01
 126655-02 126896-01 127737-02 127998-01 128000-01 128326-01 136889-01
 136892-01 138079-01 138085-01 138087-01 138089-01 138128-01 138239-01
 138261-03 138291-01 138293-01 138320-02 138371-06 138373-02 138377-01
 138383-01 138387-01 138634-01 138880-02 139478-01 139485-02 139959-04
 140074-09 140161-01 140163-01 140190-01 140387-02 140399-03 140683-01
 140784-01 140921-02 141010-01 141020-03 141024-01 141052-02 141500-08
 141502-02 141506-10 141508-02 141534-01 141686-01 141738-01 142046-04
 142238-02 142342-01 142542-01 143140-04 143559-10 143561-10 143571-02
 143575-01 143592-09 144053-05 144055-01 144184-02 144254-01 144256-01
 144302-01 144311-03 144313-01 144315-01 144367-02 144382-01 144384-02
 144459-01 144488-17 144490-01 144508-02 144521-01 144530-01 144532-01
 144536-02 144542-06 144548-01 144550-01 144552-01 144554-01 144561-02
 144563-02 144565-05 144567-02 144571-02 144573-01 144574-06 144748-02
 144754-01 144759-02 144874-01 144903-02 145021-01 145042-03 145046-01
 145047-01 145107-02 145124-02 145788-03 145792-01 145794-01 145796-02
 145798-08 145868-05 145870-01 145885-01 145887-01 145889-03 145893-02
 145895-05 145897-01 145901-01 145907-02 145913-01 145915-01 145927-02
 145933-02 145939-01 145941-02 145944-01 145961-02 145963-01 146017-04
 146018-03 146019-02 146021-02 146023-01 146028-05 146030-01 146058-02
 146062-02 146064-01 146066-02 146069-04 146070-01 146073-01 146132-01
 146230-01 146277-01 146287-01 146327-01 146328-02 146336-03 146440-01
 146442-01 146443-01 146447-02 146449-01 146478-01 146482-01 146484-01
 146570-02 146584-01 146677-01 146701-01 146778-02 146802-03 146804-01
 146842-01 146846-01 146855-01 146857-01 147053-01 147182-01 Requires:
 118833-36 118918-24 119042-09 119254-41 119578-30 120011-14 121901-01
 125891-01 126897-02 127127-11 127755-01 137137-09 139555-08 141444-09
 142909-17 142933-03 144526-01 147061-01 Incompatibles: '
 PATCH_INFO_144534-02='Installed: Tue Aug 23 11:56:05 PDT 2011 From:
 fern-re Obsoletes: Requires: 118833-36 120011-14 127127-11 137137-09
 139555-08 141444-09 142909-17 Incompatibles: '
 PATCH_INFO_145204-01='Installed: Tue Aug 23 11:56:53 PDT 2011 From:
 fern-re Obsoletes: Requires: 120011-14 127127-11 Incompatibles: '
 PATCH_INFO_145919-02='Installed: Tue Aug 23 11:57:17 PDT 2011 From:
 fern-re Obsoletes: Requires: 118833-36 120011-14 139555-08
 Incompatibles: '
 PATCH_INFO_145940-01='Installed: Tue Aug 23 11:57:29 PDT 2011 From:
 fern-re Obsoletes: Requires: 118833-36 120011-14 127127-11 137137-09
 141444-09 142909-17 Incompatibles: '
 PATCH_INFO_146060-01='Installed: Tue Aug 23 11:57:43 PDT 2011 From:
 fern-re Obsoletes: Requires: 118833-36 137137-09 142909-17
 Incompatibles: '
 PATCH_INFO_146236-02='Installed: Tue Aug 23 11:57:53 PDT 2011 From:

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fern-re Obsoletes: Requires: 137137-09 Incompatibles:'
PATCH_INFO_146283-01='Installed: Tue Aug 23 11:57:55 PDT 2011 From:
fern-re Obsoletes: Requires: 118833-36 137137-09 142909-17
Incompatibles:'
PATCH_INFO_146652-01='Installed: Tue Aug 23 11:58:24 PDT 2011 From:
fern-re Obsoletes: Requires: 120011-14 139555-08 Incompatibles:'
PATCH_INFO_146834-01='Installed: Tue Aug 23 11:58:49 PDT 2011 From:
fern-re Obsoletes: 125911-01 126262-01 Requires: 118833-36 120011-14
127127-11 137137-09 139555-08 142909-17 Incompatibles:'
PATCH_INFO_147192-01='Installed: Tue Aug 23 11:59:11 PDT 2011 From:
fern-re Obsoletes: Requires: 118833-36 137137-09 141444-09
Incompatibles:'
PATCH_INFO_147440-01='Installed: Tue Aug 23 11:59:20 PDT 2011 From:
fern-re Obsoletes: Requires: 118833-36 120011-14 125555-10 127127-11
137137-09 139555-08 141444-09 142909-17 144500-19 142933-04
Incompatibles:'
PATCH_INFO_121778-12='Installed: Tue Aug 23 12:36:17 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_121780-12='Installed: Tue Aug 23 12:36:26 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_123259-12='Installed: Tue Aug 23 12:36:44 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_125095-15='Installed: Tue Aug 23 12:39:30 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_125888-01='Installed: Tue Aug 23 12:52:05 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_138287-07='Installed: Tue Aug 23 12:54:57 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_138289-07='Installed: Tue Aug 23 13:07:30 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800111-04='Installed: Tue Aug 23 13:11:07 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800113-04='Installed: Tue Aug 23 13:25:04 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800120-08='Installed: Tue Aug 23 13:27:40 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800122-08='Installed: Tue Aug 23 13:43:20 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800151-15='Installed: Tue Aug 23 13:46:49 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800153-15='Installed: Tue Aug 23 14:02:39 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800200-15='Installed: Tue Aug 23 14:41:19 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800202-16='Installed: Tue Aug 23 14:57:45 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
INSTDATE='Jun 13 2012 04:24'
UPDATE='yes'
PATCH_UNCONDITIONAL='false'
PATCH_NO_UNDO='true'
PATCH_BUILD_DIR='none'
PATCH_UNDO_ARCHIVE='none'
INTERRUPTION='no'
PATCH_INFO_144524-02='Installed: Wed Jun 13 04:20:01 UTC 2012 From: host
Obsoletes: Requires: 118833-36 120011-14 127127-11 137137-09 139555-08
141444-09 142909-17 144500-19 Incompatibles:'

```

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SCRIPTS_DIR='/tmp/patch_sol_set/10_Recommended/11282011/patches/147440-12/9
Wed Jun 13 04:23:49 UTC 2012 From: host Obsoletes: Requires: 118833-36
118918-24 120011-14 127127-11 137137-09 139555-08 141444-09 142909-17
144500-19 Incompatibles:'
ACTIVE_OBSOLETEs='125804-01 125902-02 137276-01 140383-01 140563-03
141590-02 141765-01 143941-02 144534-02 146279-01 146281-01 146283-01
146294-03 146320-03 146322-01 146575-03 146767-02 147012-02 147157-02
147258-01 147268-01 147436-01 147699-01 147701-01 147713-01 147770-01
148229-01'
PATCH_INFO_147440-12='Installed: Wed Jun 13 04:24:58 UTC 2012 From: host
Obsoletes: 125804-01 125902-02 137276-01 140383-01 140563-03 141590-02
141765-01 143941-02 144534-02 146279-01 146281-01 146283-01 146294-03
146320-03 146322-01 146575-03 146767-02 147012-02 147157-02 147258-01
147268-01 147436-01 147699-01 147701-01 147713-01 147770-01 148229-01
Requires: 118833-36 120011-14 121133-02 125555-10 127127-11 137137-09
139555-08 141444-09 142909-17 142933-04 144500-19 Incompatibles:'
-- Exit status: 0
present.
Checking pkg SUNWbzip... present.
Checking pkg SUNWpkgcmdsu... present.
RECOMMENDED 2013.02.19 is already present.
Checking MYSQL_MARKER 1.1 ...
Checking pkg SUNWcomms-mysql-marker... not present.
MYSQL_MARKER 1.1 is not present.
Checking MYSQL_MARKER 1.0 ...
Checking pkg SUNWcomms-mysql-marker... not present.
MYSQL_MARKER 1.0 is not present.
Checking MYSQL 5.5.8 ...
Checking pkg mysql... not present.
MYSQL 5.5.8 is not present.
Checking MYSQL 5.1.36 ...
Checking pkg mysql... not present.
MYSQL 5.1.36 is not present.
Checking ST 1.1.4 ...
Checking pkg SUNWservicetagr...pkgparam -v SUNWservicetagr 2>&1
CLASSES='none rbac manifest services'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:09'
PKGSAB=' /var/sadm/pkg/SUNWservicetagr/save'
PKGINST='SUNWservicetagr'
OSREL='5.10'
OSROOT='/opt/CNSREbuild/src/servicetags/release/rel_114-01/servicetags/prot
contact your local service provider'
VENDOR='Sun Microsystems, Inc.'
SUNW_PKGTYPE='root'
CATEGORY='system'
VERSION='1.1.4,REV=2008.03.21.07.54'
ARCH='sparc'
DESC='Service Tags Agent'
NAME='Service Tags (root)'
PKG='SUNWservicetagr'
SUNW_PKGVERS='1.0'
SUNW_PRODVERS='1.1.4.1'
SUNW_PRODNAME='Service Tags (root)'
PSTAMP='sparc(re-s10-s01)Fri Mar 21 07:54:10 MDT 2008'
OAMBASE='/usr/sadm/sysadm'

```



```

PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWservicetagu...pkgparam -v SUNWservicetagu 2>&1
CLASSES='none rbac'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:09'
PKGSAB='/var/sadm/pkg/SUNWservicetagu/save'
PKGINST='SUNWservicetagu'
OSREL='5.10'
OSROOT='/opt/CNSREbuild/src/servicetags/release/rel_114-01/servicetags/prot
contact your local service provider'
VENDOR='Sun Microsystems, Inc.'
SUNW_PKGTYPE='usr'
CATEGORY='system'
VERSION='1.1.4,REV=2008.03.21.07.54'
ARCH='sparc'
DESC='Service Tags Agent'
NAME='Service Tags (Usr)'
PKG='SUNWservicetagu'
SUNW_PKGVERS='1.0'
SUNW_PRODVERS='1.1.4.1'
SUNW_PRODNAME='Service Tags (Usr)'
PSTAMP='sparc(re-s10-s01)Fri Mar 21 07:54:08 MDT 2008'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWstosreg...pkgparam -v SUNWstosreg 2>&1
CLASSES='none manifest'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:09'
PKGSAB='/var/sadm/pkg/SUNWstosreg/save'
PKGINST='SUNWstosreg'
OSREL='5.10'
OSROOT='/opt/CNSREbuild/src/servicetags/release/rel_114-01/servicetags/prot
contact your local service provider'
VENDOR='Sun Microsystems, Inc.'

```

```

SUNW_PKGTYPE='root'
CATEGORY='system'
VERSION='1.1.4,REV=2008.03.21.07.54'
ARCH='sparc'
DESC='Service Tags Solaris OS Registration'
NAME='Service Tags Solaris OS Registration'
PKG='SUNWstosreg'
SUNW_PKGVERS='1.0'
SUNW_PRODVERS='1.1.4.1'
SUNW_PRODNAME='Service Tags Solaris OS Registration'
PSTAMP='sparc(re-s10-s01)Fri Mar 21 07:54:11 MDT 2008'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
ST 1.1.4 is already present.
Checking NSS 4.8.9 ...
Checking pkg SUNWpr...pkgparam -v -R /opt/altroot SUNWpr 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Aug 08 2014 18:23'
PKGSAB='/var/sadm/pkg/SUNWpr/save'
PKGINST='SUNWpr'
PATCH_INFO_125358-15='Installed: Tue Nov 22 20:43:02 PST 2011 From:
wozzeck Obsoletes: Requires: Incompatibles:'
PATCHLIST='125358-15'
SUNW_PRODVERS='4.8.9'
SUNW_PATCH_PROPERTIES=''
PSTAMP='wozzeck20111122204236'
VERSION='4.6.4,REV=2006.11.16.20.40'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Netscape Portable Runtime'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWpr'
NAME='Netscape Portable Runtime'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Netscape Portable Runtime Interface'
CATEGORY='system'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'

```



```

TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWprd...pkgparam -v -R /opt/altroot SUNWprd 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Aug 08 2014 18:23'
PKGSAB='var/sadm/pkg/SUNWprd/save'
PKGINST='SUNWprd'
PATCH_INFO_125358-15='Installed: Tue Nov 22 20:43:03 PST 2011 From:
wozzeck Obsoletes: Requires: Incompatibles:'
PATCHLIST='125358-15'
SUNW_PRODVERS='4.8.9'
SUNW_PATCH_PROPERTIES=''
PSTAMP='wozzeck20111122204238'
VERSION='4.6.4,REV=2006.11.16.20.40'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Netscape Portable Runtime Development'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWprd'
NAME='Netscape Portable Runtime Development'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Netscape Portable Runtime Interface Files for Development'
CATEGORY='system'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWtls...pkgparam -v -R /opt/altroot SUNWtls 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Aug 08 2014 18:23'

```

```

PKGSAB="/var/sadm/pkg/SUNWtls/save"
PKGINST="SUNWtls"
PATCH_INFO_125358-15="Installed: Tue Nov 22 20:43:03 PST 2011 From:
wozzeck Obsoletes: Requires: Incompatibles:"
PATCHLIST="125358-15"
SUNW_PRODVERS="3.13.1"
SUNW_PATCH_PROPERTIES=""
PSTAMP="wozzeck20111122204239"
VERSION="3.11.4,REV=2006.11.16.20.40"
VENDOR="Sun Microsystems, Inc."
SUNW_PRODNAME="Network Security Services"
SUNW_PKGVERS="1.0"
SUNW_PKGTYPE="usr"
PKG="SUNWtls"
NAME="Network Security Services"
MAXINST="1000"
HOTLINE="Please contact your local service provider"
EMAIL=""
DESC="Network Security Services"
CATEGORY="system"
ARCH="sparc"
OAMBASE="/usr/sadm/sysadm"
PATH="/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin"
PKG_CLIENT_REVISION="0"
PKG_CLIENT_VERSION="10"
PKG_CLIENT_OS="Solaris"
TZ="PST8PDT"
LANG="C"
LC_ALL=""
LC_MONETARY=""
LC_MESSAGES=""
LC_COLLATE=""
LC_TIME=""
LC_NUMERIC=""
LC_CTYPE=""
-- Exit status: 0
present.
Checking pkg SUNWtlsd...pkgparam -v -R /opt/altroot SUNWtlsd 2>&1
CLASSES="none"
BASEDIR="/"
INSTDATE="Aug 08 2014 18:23"
PKGSAB="/var/sadm/pkg/SUNWtlsd/save"
PKGINST="SUNWtlsd"
PATCH_INFO_125358-15="Installed: Tue Nov 22 20:43:04 PST 2011 From:
wozzeck Obsoletes: Requires: Incompatibles:"
PATCHLIST="125358-15"
SUNW_PRODVERS="3.13.1"
SUNW_PATCH_PROPERTIES=""
PSTAMP="wozzeck20111122204244"
VERSION="3.11.4,REV=2006.11.16.20.40"
VENDOR="Sun Microsystems, Inc."
SUNW_PRODNAME="Network Security Services Development"
SUNW_PKGVERS="1.0"
SUNW_PKGTYPE="usr"
PKG="SUNWtlsd"
NAME="Network Security Services Development"

```

```

MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Network Security Services Files for Development'
CATEGORY='system'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWtlsu...pkgparam -v -R /opt/altroot SUNWtlsu 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Aug 08 2014 18:23'
PKGSABV='/var/sadm/pkg/SUNWtlsu/save'
PKGINST='SUNWtlsu'
PATCH_INFO_125358-15='Installed: Tue Nov 22 20:43:04 PST 2011 From:
wozzeck Obsoletes: Requires: Incompatibles:'
PATCHLIST='125358-15'
SUNW_PRODVERS='3.13.1'
SUNW_PRODNAME='Network Security Services Tools'
SUNW_PATCH_PROPERTIES=''
PSTAMP='wozzeck20111122204242'
NAME='Network Security Services Tools'
DESC='Network Security Services'
VERSION='3.11.4,REV=2006.11.16.20.40'
VENDOR='Sun Microsystems, Inc.'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWtlsu'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
CATEGORY='system'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''

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LC_MESSAGES=' '
LC_COLLATE=' '
LC_TIME=' '
LC_NUMERIC=' '
LC_CTYPE=' '
-- Exit status: 0
present.
Checking pkg SUNWjss...pkgparam -v -R /opt/altroot SUNWjss 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Aug 08 2014 18:23'
PKGSAB=' /var/sadm/pkg/SUNWjss/save'
PKGINST='SUNWjss'
PATCH_INFO_125358-15='Installed: Tue Nov 22 20:43:02 PST 2011 From:
wozzeck Obsoletes: Requires: Incompatibles:'
PATCHLIST='125358-15'
SUNW_PRODVERS='4.3.2'
SUNW_PATCH_PROPERTIES=' '
PSTAMP='wozzeck20111122204246'
VERSION='4.2.4, REV=2006.11.16.20.40'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Network Security Services for Java (JSS)'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWjss'
NAME='Network Security Services for Java (JSS)'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=' '
DESC='Network Security Services for Java (JSS)'
CATEGORY='system'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=' '
LC_MONETARY=' '
LC_MESSAGES=' '
LC_COLLATE=' '
LC_TIME=' '
LC_NUMERIC=' '
LC_CTYPE=' '
-- Exit status: 0
present.
NSS 4.8.9 is already present.
Checking SASL 2.19 ...
Checking pkg SUNWsas1...pkgparam -v -R /opt/altroot SUNWsas1 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Aug 08 2014 18:23'
PKGSAB=' /var/sadm/pkg/SUNWsas1/save'
PKGINST='SUNWsas1'

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PATCH_INFO_119345-08='Installed: Wed Oct 6 10:42:54 PDT 2010 From:
wozzeck Obsoletes: Requires: Incompatibles:'
PATCHLIST='119345-08'
SUNW_PRODVERS='2.19'
SUNW_PRODNAME='SASL'
SUNW_PATCH_PROPERTIES=''
PSTAMP='wozzeck20101006104253'
VERSION='2.17,REV=2004.04.06.15.24'
VENDOR='Sun Microsystems, Inc.'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWsas1'
NAME='SASL'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Simple Authentication and Security Layer'
CATEGORY='system'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
SASL 2.19 is already present.
Checking LDAPSDK6 6.0 ...
Checking pkg SUNWldapcsdk-libs...pkgparam -v -R /opt/altroot
SUNWldapcsdk-libs 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Aug 08 2014 18:23'
PKGSAB='/var/sadm/pkg/SUNWldapcsdk-libs/save'
PKGINST='SUNWldapcsdk-libs'
PATCH_INFO_145084-01='Installed: Tuesday, June 8, 2010 6:04:59 PM MEST
From: zedmil Obsoletes: Requires: Incompatibles:'
PATCH_INFO_136798-03='Installed: Tuesday, June 8, 2010 6:04:56 PM MEST
From: zedmil Obsoletes: Requires: Incompatibles:'
PATCHLIST='136798-03 145084-01'
PSTAMP='tagada20100608172022'
VERSION='6.00,REV=2006.12.11.00.08'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODVERS='6.03'
SUNW_PRODNAME='Sun LDAP C SDK Libraries'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'

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PKG='SUNWldapcsdk-libs'
NAME='Sun LDAP C SDK Libraries'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun LDAP C SDK Libraries'
CATEGORY='system'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWldapcsdk-dev...pkgparam -v -R /opt/altroot
SUNWldapcsdk-dev 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Aug 08 2014 18:23'
PKGSABV='/var/sadm/pkg/SUNWldapcsdk-dev/save'
PKGINST='SUNWldapcsdk-dev'
PATCH_INFO_145084-01='Installed: Tuesday, June 8, 2010 6:04:58 PM MEST
From: zedmil Obsolete: Requires: Incompatibles:'
PATCH_INFO_136798-03='Installed: Tuesday, June 8, 2010 6:04:56 PM MEST
From: zedmil Obsolete: Requires: Incompatibles:'
PATCHLIST='136798-03 145084-01'
PSTAMP='tagada20100608172029'
VERSION='6.00,REV=2006.12.11.00.08'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODVERS='6.03'
SUNW_PRODNAME='Sun LDAP C SDK Development'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWldapcsdk-dev'
NAME='Sun LDAP C SDK Development'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun LDAP C SDK Development'
CATEGORY='system'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'

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TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
LDAPCSK6 6.0 is already present.
Checking LDAPCSK6_TOOLS 6.0 ...
Checking pkg SUNWldapcsdk-tools...pkgparam -v -R /opt/altroot
SUNWldapcsdk-tools 2>&1
CLASSES='none'
BASEDIR='/directory'
INSTDATE='Aug 08 2014 18:23'
PKGSABV='/var/sadm/pkg/SUNWldapcsdk-tools/save'
PKGINST='SUNWldapcsdk-tools'
PATCH_INFO_145084-01='Installed: Tuesday, June 8, 2010 6:04:59 PM MEST
From: zedmil Obsoles: Requires: Incompatibles:'
PATCH_INFO_136798-03='Installed: Tuesday, June 8, 2010 6:04:57 PM MEST
From: zedmil Obsoles: Requires: Incompatibles:'
PATCHLIST='136798-03 145084-01'
PSTAMP='tagada20100608172026'
VERSION='6.00,REV=2006.12.11.00.08'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODVERS='6.03'
SUNW_PRODNAME='Sun LDAP C SDK Tools'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE=''
PKG='SUNWldapcsdk-tools'
NAME='Sun LDAP C SDK Tools'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun LDAP C SDK Tools'
CATEGORY='system'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.

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LDAPCSKD6_TOOLS 6.0 is already present.
Checking ICU ICU2,ICU3 ...
Checking pkg SUNWicu...pkgparam -v -R /opt/altroot SUNWicu 2>&1
CLASSES='none'
BASEDIR='/usr'
INSTDATE='Aug 08 2014 18:23'
PKGSABV='/var/sadm/pkg/SUNWicu/save'
PKGINST='SUNWicu'
PATCH_INFO_119810-05='Installed: Tue Apr 29 20:19:06 PDT 2008 From:
elfgrass Obsoletes: Requires: Incompatibles:'
PATCHLIST='119810-05'
VERSION='1.2,REV=2005.01.06.14.13'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODVERS='10/Generic'
SUNW_PRODNAME='International Components for Unicode User Files'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PSTAMP=''
PKG='SUNWicu'
NAME='International Components for Unicode User Files'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='International Components for Unicode User Files'
CATEGORY='system'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
ICU ICU2,ICU3 is already present.
Checking JDK 1.6.0 ...
Checking pkg SUNWj6rt... not present.
Checking pkg SUNWj6rtx... not present.
Checking pkg SUNWj6dev... not present.
Checking pkg SUNWj6dvx... not present.
Checking pkg SUNWj6cfg... not present.
JDK 1.6.0 is not present.
Checking JDK 1.5.0 ...
Checking pkg SUNWj5rt... not present.
Checking pkg SUNWj5rtx... not present.
Checking pkg SUNWj5cfg... not present.
JDK 1.5.0 is not present.
Checking JHRT 2.0 ...

```



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Checking pkg SUNWjhrt...pkgparam -v -R /opt/altroot SUNWjhrt 2>&1
CLASSES='none'
BASEDIR='/usr'
INSTDATE='Aug 08 2014 18:23'
PKGSAB='/var/sadm/pkg/SUNWjhrt/save'
PKGINST='SUNWjhrt'
PSTAMP='mizu20061004154147'
EMAIL=''
HOTLINE='Please contact your local service provider'
VENDOR='Sun Microsystems, Inc.'
DESC='JavaHelp graphical help runtime'
SUNW_PKGVERS='1.0'
CATEGORY='application,java'
MAXINST='1000'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='2.0/FCS'
SUNW_PRODNAME='JavaHelp 2.0'
VERSION='2.0,REV=2006.10.31'
ARCH='all'
NAME='JavaHelp Runtime'
PKG='SUNWjhrt'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWjhdev...pkgparam -v -R /opt/altroot SUNWjhdev 2>&1
CLASSES='none'
BASEDIR='/usr'
INSTDATE='Aug 08 2014 18:23'
PKGSAB='/var/sadm/pkg/SUNWjhdev/save'
PKGINST='SUNWjhdev'
PSTAMP='mizu20061004154149'
EMAIL=''
HOTLINE='Please contact your local service provider'
VENDOR='Sun Microsystems, Inc.'
DESC='JavaHelp graphical help developer toolkit'
SUNW_PKGVERS='1.0'
CATEGORY='application,java'
MAXINST='1000'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='2.0/FCS'
SUNW_PRODNAME='JavaHelp 2.0'
VERSION='2.0,REV=2006.10.04'
ARCH='all'

```

```

NAME='JavaHelp Development Utilities'
PKG='SUNWjhddev'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWjhdem...pkgparam -v -R /opt/altroot SUNWjhdem 2>&1
CLASSES='none'
BASEDIR='/usr'
INSTDATE='Aug 08 2014 18:23'
PKGSABV='/var/sadm/pkg/SUNWjhdem/save'
PKGINST='SUNWjhdem'
PSTAMP='mizu20061004154151'
EMAIL=''
HOTLINE='Please contact your local service provider'
VENDOR='Sun Microsystems, Inc.'
DESC='JavaHelp graphical help demos'
SUNW_PKGVERS='1.0'
CATEGORY='application,java'
MAXINST='1000'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='2.0/FCS'
SUNW_PRODNAME='JavaHelp 2.0'
VERSION='2.0,REV=2006.10.04'
ARCH='all'
NAME='JavaHelp Demos'
PKG='SUNWjhdem'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWjhdoc...pkgparam -v -R /opt/altroot SUNWjhdoc 2>&1

```

```

CLASSES='none link'
BASEDIR='/usr'
INSTDATE='Aug 08 2014 18:23'
PKGSAB=' /var/sadm/pkg/SUNWjhd/doc/save'
PKGINST='SUNWjhd/doc'
PSTAMP='mizu20061004154153'
EMAIL=''
HOTLINE='Please contact your local service provider'
VENDOR='Sun Microsystems, Inc.'
DESC='JavaHelp graphical help documentation'
SUNW_PKGVERS='1.0'
CATEGORY='application,java'
MAXINST='1000'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='2.0/FCS'
SUNW_PRODNAME='JavaHelp 2.0'
VERSION='2.0,REV=2006.10.04'
ARCH='all'
NAME='JavaHelp Documentation'
PKG='SUNWjhd/doc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
JHRT 2.0 is already present.
Checking MQ 4.4 ...
Checking pkg SUNWiqr...pkgparam -v -R /opt/altroot SUNWiqr 2>&1
CLASSES='none initd preserve'
BASEDIR='/'
INSTDATE='Aug 08 2014 18:23'
PKGSAB=' /var/sadm/pkg/SUNWiqr/save'
PKGINST='SUNWiqr'
PATCH_INFO_142846-01='Installed: Thu Nov 19 00:24:52 PST 2009 From:
icdev Obsoletes: Requires: Incompatibles:'
PATCHLIST='142846-01'
SUNW_PRODVERS='4.4.1.0'
PSTAMP='icdev20091119002117'
VERSION='4.4,REV=2009.08.27.08.32'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKG_THISZONES='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGVERS='1.0'

```

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SUNW_PKGTYPE='root'
PKG='SUNWiqr'
NAME='Sun GlassFish(tm) Message Queue Root Package'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue Root Package'
CATEGORY='application'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWiqu...pkgparam -v -R /opt/altroot SUNWiqu 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Aug 08 2014 18:23'
PKGSAB='/var/sadm/pkg/SUNWiqu/save'
PKGINST='SUNWiqu'
PATCH_INFO_142846-01='Installed: Thu Nov 19 00:24:53 PST 2009 From:
icdev Obsoletes: Requires: Incompatibles:'
PATCHLIST='142846-01'
SUNW_PRODVERS='4.4.1.0'
PSTAMP='icdev20091119002055'
VERSION='4.4,REV=2009.08.27.08.32'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKG_THISZONES='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWiqu'
NAME='Sun GlassFish(tm) Message Queue /usr Package'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue /usr Package'
CATEGORY='application'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'

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```

PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWiqdoc...pkgparam -v -R /opt/altroot SUNWiqdoc 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Aug 08 2014 18:23'
PKGSAB='var/sadm/pkg/SUNWiqdoc/save'
PKGINST='SUNWiqdoc'
PSTAMP='icdev20090827083233'
DESC='Sun GlassFish(tm) Message Queue Javadoc and Examples'
HOTLINE='Please contact your local service provider'
EMAIL=''
SUNW_PKG_THISZONES='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.0.0'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
MAXINST='1000'
VENDOR='Sun Microsystems, Inc.'
CATEGORY='application'
VERSION='4.4,REV=2009.08.27.08.32'
ARCH='sparc'
NAME='Sun GlassFish(tm) Message Queue Javadoc and Examples'
PKG='SUNWiqdoc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWiquc...pkgparam -v -R /opt/altroot SUNWiquc 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Aug 08 2014 18:23'

```

```

PKGSAB="/var/sadm/pkg/SUNWiquc/save"
PKGINST="SUNWiquc"
PATCH_INFO_142846-01="Installed: Thu Nov 19 00:24:54 PST 2009 From:
icdev Obsoletes: Requires: Incompatibles:"
PATCHLIST="142846-01"
SUNW_PRODVERS="4.4.1.0"
PSTAMP="icdev20091119002105"
VERSION="4.4,REV=2009.08.27.08.33"
VENDOR="Sun Microsystems, Inc."
SUNW_PRODNAME="Sun GlassFish(tm) Message Queue"
SUNW_PKG_THISZONES="false"
SUNW_PKG_HOLLOW="false"
SUNW_PKG_ALLZONES="false"
SUNW_PKGVERS="1.0"
SUNW_PKGTYPE="usr"
PKG="SUNWiquc"
NAME="Sun GlassFish(tm) Message Queue Client Runtime"
MAXINST="1000"
HOTLINE="Please contact your local service provider"
EMAIL=""
DESC="Sun GlassFish(tm) Message Queue Client Runtime"
CATEGORY="application"
ARCH="sparc"
OAMBASE="/usr/sadm/sysadm"
PATH="/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin"
PKG_CLIENT_REVISION="0"
PKG_CLIENT_VERSION="10"
PKG_CLIENT_OS="Solaris"
TZ="PST8PDT"
LANG="C"
LC_ALL=""
LC_MONETARY=""
LC_MESSAGES=""
LC_COLLATE=""
LC_TIME=""
LC_NUMERIC=""
LC_CTYPE=""
-- Exit status: 0
present.
Checking pkg SUNWiqum...pkgparam -v -R /opt/altroot SUNWiqum 2>&1
CLASSES="none"
BASEDIR="/"
INSTDATE="Aug 08 2014 18:23"
PKGSAB="/var/sadm/pkg/SUNWiqum/save"
PKGINST="SUNWiqum"
PATCH_INFO_142846-01="Installed: Thu Nov 19 00:24:54 PST 2009 From:
icdev Obsoletes: Requires: Incompatibles:"
PATCHLIST="142846-01"
SUNW_PRODVERS="4.4.1.0"
PSTAMP="icdev20091119002115"
VERSION="4.4,REV=2009.08.27.08.33"
VENDOR="Sun Microsystems, Inc."
SUNW_PRODNAME="Sun GlassFish(tm) Message Queue"
SUNW_PKG_THISZONES="false"
SUNW_PKG_HOLLOW="false"
SUNW_PKG_ALLZONES="false"

```

```

SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWiqum'
NAME='Sun GlassFish(tm) Message Queue JMS/SOAP Msg Transformer'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue JMS/SOAP Msg Transformer'
CATEGORY='application'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWiqjx...pkgparam -v -R /opt/altroot SUNWiqjx 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Aug 08 2014 18:23'
PKGSABV='/var/sadm/pkg/SUNWiqjx/save'
PKGINST='SUNWiqjx'
PATCH_INFO_142846-01='Installed: Thu Nov 19 00:24:51 PST 2009 From:
icdev Obsoletes: Requires: Incompatibles:'
PATCHLIST='142846-01'
SUNW_PRODVERS='4.4.1.0'
PSTAMP='icdev20091119002109'
VERSION='4.4,REV=2009.08.27.08.33'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWiqjx'
NAME='Sun GlassFish(tm) Message Queue JAXM Client Runtime'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue JAXM Client Runtime'
CATEGORY='application'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'

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LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWiqfs...pkgparam -v -R /opt/altroot SUNWiqfs 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Aug 08 2014 18:23'
PKGSAB=' /var/sadm/pkg/SUNWiqfs/save'
PKGINST='SUNWiqfs'
PSTAMP='icdev20090827083333'
DESC='Sun GlassFish(tm) Message Queue JNDI FS Provider'
HOTLINE='Please contact your local service provider'
EMAIL=''
SUNW_PKG_THISZONES='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.0.0'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
MAXINST='1000'
VENDOR='Sun Microsystems, Inc.'
CATEGORY='application'
VERSION='4.4, REV=2009.08.27.08.33'
ARCH='sparc'
NAME='Sun GlassFish(tm) Message Queue JNDI FS Provider'
PKG='SUNWiqfs'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWiqcrt...pkgparam -v -R /opt/altroot SUNWiqcrt 2>&1
CLASSES='none'
BASEDIR='/opt'
INSTDATE='Aug 08 2014 18:23'
PKGSAB=' /var/sadm/pkg/SUNWiqcrt/save'
PKGINST='SUNWiqcrt'

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PATCH_INFO_142847-01='Installed: Thu Nov 19 00:25:14 PST 2009 From:
icdev Obsoletes: Requires: Incompatibles:'
PATCHLIST='142847-01'
SUNW_PRODVERS='4.4.1.0'
PSTAMP='icdev20091119002136'
VERSION='4.4,REV=2009.08.27.08.33'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKG_THISZONES='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGVERS='1.0'
PKG='SUNWiqcrt'
NAME='Sun GlassFish(tm) Message Queue C Runtime'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue C Runtime'
CATEGORY='application'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWiqcdv...pkgparam -v -R /opt/altroot SUNWiqcdv 2>&1
CLASSES='none'
BASEDIR='/opt'
INSTDATE='Aug 08 2014 18:23'
PKGSAB='/var/sadm/pkg/SUNWiqcdv/save'
PKGINST='SUNWiqcdv'
PATCH_INFO_142847-01='Installed: Thu Nov 19 00:25:13 PST 2009 From:
icdev Obsoletes: Requires: Incompatibles:'
PATCHLIST='142847-01'
SUNW_PRODVERS='4.4.1.0'
PSTAMP='icdev20091119002139'
VERSION='4.4,REV=2009.08.27.08.33'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKG_THISZONES='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGVERS='1.0'
PKG='SUNWiqcdv'
NAME='Sun GlassFish(tm) Message Queue C Developer'

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MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue C Developer'
CATEGORY='application'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWiqlen...pkgparam -v -R /opt/altroot SUNWiqlen 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Aug 08 2014 18:23'
PKGSABV='/var/sadm/pkg/SUNWiqlen/save'
PKGINST='SUNWiqlen'
PATCH_INFO_142846-01='Installed: Thu Nov 19 00:24:52 PST 2009 From:
icdev Obsoletes: Requires: Incompatibles:'
PATCHLIST='142846-01'
SUNW_PRODVERS='4.4.1.0'
PSTAMP='icdev20091119002112'
VERSION='4.4,REV=2009.08.27.08.33'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKG_THISZONES='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWiqlen'
NAME='Sun GlassFish(tm) Message Queue Commercial Product License'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue Commercial Product Broker'
CATEGORY='application'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'

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LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
MQ 4.4 is already present.
Checking MQ 3.7 ...
Checking pkg SUNWiqr... present but with a different pkg VERSION.
checking SUNWiqr 3.7,REV=2006.06.18.22.34
Checking pkg SUNWiqu... present but with a different pkg VERSION.
checking SUNWiqu 3.7,REV=2006.06.18.22.34
Checking pkg SUNWiqlpl... not present.
Checking pkg SUNWiqdoc... present but with a different pkg VERSION.
checking SUNWiqdoc 3.7,REV=2006.06.18.22.35
Checking pkg SUNWiquc... present but with a different pkg VERSION.
checking SUNWiquc 3.7,REV=2006.06.18.22.35
Checking pkg SUNWiqum... present but with a different pkg VERSION.
checking SUNWiqum 3.7,REV=2006.06.18.22.35
Checking pkg SUNWiqjx... present but with a different pkg VERSION.
checking SUNWiqjx 3.7,REV=2006.06.18.22.35
Checking pkg SUNWiqfs... present but with a different pkg VERSION.
checking SUNWiqfs 3.7,REV=2006.06.18.22.35
Checking pkg SUNWiqcrt... present but with a different pkg VERSION.
checking SUNWiqcrt 3.7,REV=2006.06.18.22.35
Checking pkg SUNWiqcdv... present but with a different pkg VERSION.
checking SUNWiqcdv 3.7,REV=2006.06.18.22.35
Checking pkg SUNWiqlen... present but with a different pkg VERSION.
checking SUNWiqlen 3.7,REV=2006.06.18.22.35
NOTICE: Message Queue is present with a different pkg VERSION.
Checking MQ 4.1 ...
Checking pkg SUNWiqr... present but with a different pkg VERSION.
checking SUNWiqr 4.1,REV=2007.07.26.10.58
Checking pkg SUNWiqu... present but with a different pkg VERSION.
checking SUNWiqu 4.1,REV=2007.07.26.10.58
Checking pkg SUNWiqdoc... present but with a different pkg VERSION.
checking SUNWiqdoc 4.1,REV=2007.07.26.10.58
Checking pkg SUNWiquc... present but with a different pkg VERSION.
checking SUNWiquc 4.1,REV=2007.07.26.10.59
Checking pkg SUNWiqum... present but with a different pkg VERSION.
checking SUNWiqum 4.1,REV=2007.07.26.10.59
Checking pkg SUNWiqjx... present but with a different pkg VERSION.
checking SUNWiqjx 4.1,REV=2007.07.26.10.59
Checking pkg SUNWiqfs... present but with a different pkg VERSION.
checking SUNWiqfs 4.1,REV=2007.07.26.10.59
Checking pkg SUNWiqcrt... present but with a different pkg VERSION.
checking SUNWiqcrt 4.1,REV=2007.07.26.10.59
Checking pkg SUNWiqcdv... present but with a different pkg VERSION.
checking SUNWiqcdv 4.1,REV=2007.07.26.10.59
NOTICE: Message Queue is present with a different pkg VERSION.
Checking MQ 4.3 ...
Checking pkg SUNWiqr... present but with a different pkg VERSION.
checking SUNWiqr 4.3,REV=2008.11.07.18.44

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Checking pkg SUNWiqu... present but with a different pkg VERSION.
checking SUNWiqu 4.3,REV=2008.11.07.18.44
Checking pkg SUNWiqdoc... present but with a different pkg VERSION.
checking SUNWiqdoc 4.3,REV=2008.11.07.18.44
Checking pkg SUNWiquc... present but with a different pkg VERSION.
checking SUNWiquc 4.3,REV=2008.11.07.18.44
Checking pkg SUNWiqum... present but with a different pkg VERSION.
checking SUNWiqum 4.3,REV=2008.11.07.18.44
Checking pkg SUNWiqjx... present but with a different pkg VERSION.
checking SUNWiqjx 4.3,REV=2008.11.07.18.44
Checking pkg SUNWiqfs... present but with a different pkg VERSION.
checking SUNWiqfs 4.3,REV=2008.11.07.18.44
Checking pkg SUNWiqcrt... present but with a different pkg VERSION.
checking SUNWiqcrt 4.3,REV=2008.11.07.18.44
Checking pkg SUNWiqcdv... present but with a different pkg VERSION.
checking SUNWiqcdv 4.3,REV=2008.11.07.18.44
Checking pkg SUNWiqlen... present but with a different pkg VERSION.
checking SUNWiqlen 4.3,REV=2008.11.07.18.45
NOTICE: Message Queue is present with a different pkg VERSION.
Checking MQ_L10N 4.4 ...
Checking pkg SUNWfiqu...pkgparam -v -R /opt/altroot SUNWfiqu 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Aug 08 2014 18:23'
PKGSAB=' /var/sadm/pkg/SUNWfiqu/save'
PKGINST='SUNWfiqu'
SUNW_LOC='fr'
SUNW_PKGLIST='SUNWiqu'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWfiqu'
NAME='Sun GlassFish(tm) Message Queue /usr Package for French'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue /usr Package for French'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094214'
VERSION='4.4, REV=2009.10.01.09.42.14'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''

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LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWfiquc...pkgparam -v -R /opt/altroot SUNWfiquc 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Aug 08 2014 18:23'
PKGSAB=' /var/sadm/pkg/SUNWfiquc/save'
PKGINST='SUNWfiquc'
SUNW_LOC='fr'
SUNW_PKGLIST='SUNWfiquc'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWfiquc'
NAME='Sun GlassFish(tm) Message Queue Client Runtime Package for French'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue Client Runtime Package for French'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094216'
VERSION='4.4,REV=2009.10.01.09.42.16'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWdiqu...pkgparam -v -R /opt/altroot SUNWdiqu 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Aug 08 2014 18:23'
PKGSAB=' /var/sadm/pkg/SUNWdiqu/save'
PKGINST='SUNWdiqu'

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SUNW_LOC='de'
SUNW_PKGLIST='SUNWiqu'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWdiqu'
NAME='Sun GlassFish(tm) Message Queue /usr Package for German'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue /usr Package for German'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094259'
VERSION='4.4, REV=2009.10.01.09.42.59'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWdiquc...pkgparam -v -R /opt/altroot SUNWdiquc 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Aug 08 2014 18:23'
PKGSABV='/var/sadm/pkg/SUNWdiquc/save'
PKGINST='SUNWdiquc'
SUNW_LOC='de'
SUNW_PKGLIST='SUNWiquc'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWdiquc'
NAME='Sun GlassFish(tm) Message Queue Client Runtime Package for German'
MAXINST='1000'

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HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue Client Runtime Package for German'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094303'
VERSION='4.4,REV=2009.10.01.09.43.03'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWjiqu...pkgparam -v -R /opt/altroot SUNWjiqu 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Aug 08 2014 18:23'
PKGSABV='/var/sadm/pkg/SUNWjiqu/save'
PKGINST='SUNWjiqu'
SUNW_LOC='ja,ja_JP.PCK,ja_JP.UTF-8'
SUNW_PKGLIST='SUNWjiqu'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWjiqu'
NAME='Sun GlassFish(tm) Message Queue /usr Package for Japanese'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue /usr Package for Japanese'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094516'
VERSION='4.4,REV=2009.10.01.09.45.16'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'

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TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWjiquc...pkgparam -v -R /opt/altroot SUNWjiquc 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Aug 08 2014 18:23'
PKGSAB='var/sadm/pkg/SUNWjiquc/save'
PKGINST='SUNWjiquc'
SUNW_LOC='ja,ja_JP.PCK,ja_JP.UTF-8'
SUNW_PKGLIST='SUNWjiquc'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWjiquc'
NAME='Sun GlassFish(tm) Message Queue Client Runtime Package for
Japanese'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue Client Runtime Package for
Japanese'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094518'
VERSION='4.4,REV=2009.10.01.09.45.18'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.

```



```

Checking pkg SUNWeiqu...pkgparam -v -R /opt/altroot SUNWeiqu 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Aug 08 2014 18:23'
PKGSAB=' /var/sadm/pkg/SUNWeiqu/save'
PKGINST='SUNWeiqu'
SUNW_LOC='es'
SUNW_PKGLIST='SUNWiqu'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWeiqu'
NAME='Sun GlassFish(tm) Message Queue /usr Package for Spanish'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue /usr Package for Spanish'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094344'
VERSION='4.4,REV=2009.10.01.09.43.44'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWeiquc...pkgparam -v -R /opt/altroot SUNWeiquc 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Aug 08 2014 18:23'
PKGSAB=' /var/sadm/pkg/SUNWeiquc/save'
PKGINST='SUNWeiquc'
SUNW_LOC='es'
SUNW_PKGLIST='SUNWiquc'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'

```

```

VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWkiqu'
NAME='Sun GlassFish(tm) Message Queue Client Runtime Package for
Spanish'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue Client Runtime Package for
Spanish'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094347'
VERSION='4.4, REV=2009.10.01.09.43.47'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWkiqu...pkgparam -v -R /opt/altroot SUNWkiqu 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Aug 08 2014 18:23'
PKGSABV='/var/sadm/pkg/SUNWkiqu/save'
PKGINST='SUNWkiqu'
SUNW_LOC='ko,ko.UTF-8'
SUNW_PKGLIST='SUNWkiqu'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWkiqu'
NAME='Sun GlassFish(tm) Message Queue /usr Package for Korean'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue /usr Package for Korean'
COMPANY='Sun'
CATEGORY='application'

```

```

ARCH='sparc'
PSTAMP='20091001094430'
VERSION='4.4,REV=2009.10.01.09.44.30'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWkiquc...pkgparam -v -R /opt/altroot SUNWkiquc 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Aug 08 2014 18:23'
PKGSAB=' /var/sadm/pkg/SUNWkiquc/save'
PKGINST='SUNWkiquc'
SUNW_LOC='ko,ko.UTF-8'
SUNW_PKGLIST='SUNWkiquc'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWkiquc'
NAME='Sun GlassFish(tm) Message Queue Client Runtime Package for Korean'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue Client Runtime Package for Korean'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094432'
VERSION='4.4,REV=2009.10.01.09.44.32'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''

```

```

LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWciqu...pkgparam -v -R /opt/altroot SUNWciqu 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Aug 08 2014 18:23'
PKGSAB=' /var/sadm/pkg/SUNWciqu/save'
PKGINST='SUNWciqu'
SUNW_LOC='zh,zh.GBK,zh_CN.GB18030,zh.UTF-8'
SUNW_PKGLIST='SUNWiqu'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWciqu'
NAME='Sun GlassFish(tm) Message Queue /usr Package for Simplified
Chinese'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue /usr Package for Simplified
Chinese'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094601'
VERSION='4.4,REV=2009.10.01.09.46.01'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWciquc...pkgparam -v -R /opt/altroot SUNWciquc 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Aug 08 2014 18:23'
PKGSAB=' /var/sadm/pkg/SUNWciquc/save'

```

```

PKGINST='SUNWciquc'
SUNW_LOC='zh,zh.GBK,zh_CN.GB18030,zh.UTF-8'
SUNW_PKGLIST='SUNWiquc'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWciquc'
NAME='Sun GlassFish(tm) Message Queue Client Runtime Package for
Simplified Chinese'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue Client Runtime Package for
Simplified Chinese'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094603'
VERSION='4.4,REV=2009.10.01.09.46.03'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWhiqu...pkgparam -v -R /opt/altroot SUNWhiqu 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Aug 08 2014 18:23'
PKGSABV='/var/sadm/pkg/SUNWhiqu/save'
PKGINST='SUNWhiqu'
SUNW_LOC='zh_TW,zh_TW.BIG5,zh_TW.UTF-8'
SUNW_PKGLIST='SUNWiqu'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'

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```

PKG='SUNWhiqu'
NAME='Sun GlassFish(tm) Message Queue /usr Package for Traditional
Chinese'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue /usr Package for Traditional
Chinese'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094648'
VERSION='4.4, REV=2009.10.01.09.46.48'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWhiquc...pkgparam -v -R /opt/altroot SUNWhiquc 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Aug 08 2014 18:23'
PKGSABV='/var/sadm/pkg/SUNWhiquc/save'
PKGINST='SUNWhiquc'
SUNW_LOC='zh_TW, zh_TW.BIG5, zh_TW.UTF-8'
SUNW_PKGLIST='SUNWiquc'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWhiquc'
NAME='Sun GlassFish(tm) Message Queue Client Runtime Package for
Traditional Chinese'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue Client Runtime Package for
Traditional Chinese'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'

```

```

PSTAMP='20091001094650'
VERSION='4.4,REV=2009.10.01.09.46.50'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
MQ_L10N 4.4 is already present.
Checking MQ_L10N 3.7 ...
Checking pkg SUNWfiqu... present but with a different pkg VERSION.
checking SUNWfiqu 3.7,REV=2006.09.28.02.20.49
Checking pkg SUNWfiquc... present but with a different pkg VERSION.
checking SUNWfiquc 3.7,REV=2006.09.28.02.21.13
Checking pkg SUNWdiqu... present but with a different pkg VERSION.
checking SUNWdiqu 3.7,REV=2006.09.28.02.20.38
Checking pkg SUNWdiquc... present but with a different pkg VERSION.
checking SUNWdiquc 3.7,REV=2006.09.28.02.21.09
Checking pkg SUNWjiqu... present but with a different pkg VERSION.
checking SUNWjiqu 3.7,REV=2006.09.02.02.06.39
Checking pkg SUNWjiquc... present but with a different pkg VERSION.
checking SUNWjiquc 3.7,REV=2006.09.02.02.07.00
Checking pkg SUNWeiqu... present but with a different pkg VERSION.
checking SUNWeiqu 3.7,REV=2006.09.28.02.20.43
Checking pkg SUNWeiquc... present but with a different pkg VERSION.
checking SUNWeiquc 3.7,REV=2006.09.28.02.21.11
Checking pkg SUNWkiqu... present but with a different pkg VERSION.
checking SUNWkiqu 3.7,REV=2006.09.28.02.20.59
Checking pkg SUNWkiquc... present but with a different pkg VERSION.
checking SUNWkiquc 3.7,REV=2006.09.28.02.21.19
Checking pkg SUNWciqu... present but with a different pkg VERSION.
checking SUNWciqu 3.7,REV=2006.09.02.02.06.49
Checking pkg SUNWciquc... present but with a different pkg VERSION.
checking SUNWciquc 3.7,REV=2006.09.02.02.07.03
Checking pkg SUNWhiqu... present but with a different pkg VERSION.
checking SUNWhiqu 3.7,REV=2006.10.28.02.59.24
Checking pkg SUNWhiquc... present but with a different pkg VERSION.
checking SUNWhiquc 3.7,REV=2006.10.28.02.59.36
NOTICE: Message Queue Localization is present with a different pkg
VERSION.
Checking MQ_L10N 4.1 ...
Checking pkg SUNWfiqu... present but with a different pkg VERSION.
checking SUNWfiqu 4.1,REV=2007.08.02.12.38
Checking pkg SUNWfiquc... present but with a different pkg VERSION.
checking SUNWfiquc 4.1,REV=2007.08.02.12.38
Checking pkg SUNWdiqu... present but with a different pkg VERSION.

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checking SUNWdiqu 4.1,REV=2007.08.02.12.38
Checking pkg SUNWdiquc... present but with a different pkg VERSION.
checking SUNWdiquc 4.1,REV=2007.08.02.12.38
Checking pkg SUNWjiqu... present but with a different pkg VERSION.
checking SUNWjiqu 4.1,REV=2007.08.02.12.38
Checking pkg SUNWjiquc... present but with a different pkg VERSION.
checking SUNWjiquc 4.1,REV=2007.08.02.12.38
Checking pkg SUNWeiqu... present but with a different pkg VERSION.
checking SUNWeiqu 4.1,REV=2007.08.02.12.38
Checking pkg SUNWeiquc... present but with a different pkg VERSION.
checking SUNWeiquc 4.1,REV=2007.08.02.12.38
Checking pkg SUNWkiqu... present but with a different pkg VERSION.
checking SUNWkiqu 4.1,REV=2007.08.02.12.38
Checking pkg SUNWkiquc... present but with a different pkg VERSION.
checking SUNWkiquc 4.1,REV=2007.08.02.12.38
Checking pkg SUNWciqu... present but with a different pkg VERSION.
checking SUNWciqu 4.1,REV=2007.08.02.12.38
Checking pkg SUNWciquc... present but with a different pkg VERSION.
checking SUNWciquc 4.1,REV=2007.08.02.12.38
Checking pkg SUNWhiqu... present but with a different pkg VERSION.
checking SUNWhiqu 4.1,REV=2007.08.02.12.38
Checking pkg SUNWhiquc... present but with a different pkg VERSION.
checking SUNWhiquc 4.1,REV=2007.08.02.12.38
NOTICE: Message Queue Localization is present with a different pkg
VERSION.
Checking MQ_L10N 4.3 ...
Checking pkg SUNWfiqu... present but with a different pkg VERSION.
checking SUNWfiqu 4.3,REV=2008.10.27.08.57.02
Checking pkg SUNWfiquc... present but with a different pkg VERSION.
checking SUNWfiquc 4.3,REV=2008.10.27.08.57.05
Checking pkg SUNWdiqu... present but with a different pkg VERSION.
checking SUNWdiqu 4.3,REV=2008.10.27.08.57.55
Checking pkg SUNWdiquc... present but with a different pkg VERSION.
checking SUNWdiquc 4.3,REV=2008.10.27.08.57.58
Checking pkg SUNWjiqu... present but with a different pkg VERSION.
checking SUNWjiqu 4.3,REV=2008.10.27.09.00.27
Checking pkg SUNWjiquc... present but with a different pkg VERSION.
checking SUNWjiquc 4.3,REV=2008.10.27.09.00.28
Checking pkg SUNWeiqu... present but with a different pkg VERSION.
checking SUNWeiqu 4.3,REV=2008.10.27.08.58.45
Checking pkg SUNWeiquc... present but with a different pkg VERSION.
checking SUNWeiquc 4.3,REV=2008.10.27.08.58.48
Checking pkg SUNWkiqu... present but with a different pkg VERSION.
checking SUNWkiqu 4.3,REV=2008.10.27.08.59.36
Checking pkg SUNWkiquc... present but with a different pkg VERSION.
checking SUNWkiquc 4.3,REV=2008.10.27.08.59.38
Checking pkg SUNWciqu... present but with a different pkg VERSION.
checking SUNWciqu 4.3,REV=2008.10.27.09.01.18
Checking pkg SUNWciquc... present but with a different pkg VERSION.
checking SUNWciquc 4.3,REV=2008.10.27.09.01.19
Checking pkg SUNWhiqu... present but with a different pkg VERSION.
checking SUNWhiqu 4.3,REV=2008.10.27.09.02.09
Checking pkg SUNWhiquc... present but with a different pkg VERSION.
checking SUNWhiquc 4.3,REV=2008.10.27.09.02.10
NOTICE: Message Queue Localization is present with a different pkg
VERSION.

```



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Checking LDAPJDK 4.21 ...
Checking pkg SUNWljdk... not present.
LDAPJDK 4.21 is not present.
Checking IMAPI 9.2 ...
Checking pkg SUNWiimdv...pkgparam -v -R /opt/altroot SUNWiimdv 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Aug 08 2014 18:23'
PKGSAB=' /var/sadm/pkg/SUNWiimdv/save'
PKGINST='SUNWiimdv'
ARCH='sparc'
CATEGORY='application'
DESC='Oracle Communications Instant Messaging and Presence APIs'
EMAIL=''
HOTLINE='Please contact your local service provider'
MAXINST='1001'
NAME='Oracle Communications Instant Messaging and Presence APIs'
PKG='SUNWiimdv'
PRODUCT_NAME='Oracle Communications Instant Messaging'
SUNW_PKGTYPE='usr'
SUNW_PKGVERS='1.0'
SUNW_PRODNAME='Oracle Communications Instant Messaging API'
VENDOR='Oracle Corporation'
VERSION='9.0,REV=2011.09.05'
PSTAMP='sca00bkr20140625022807'
SUNW_PRODVERS='9.2-06.7'
PATCHLIST='148582-06'
PATCH_INFO_148582-06='Installed: Wednesday, June 25, 2014 02:28:08 AM
PDT From: sca00bkr Obsoletes: Requires: Incompatibles:'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
IMAPI 9.2 is already present.
Checking IMAPI 7.0 ...
Checking pkg SUNWiimdv... present but with a different pkg VERSION.
checking SUNWiimdv 7.0,REV=2004.11.24.05.24.36
NOTICE: Instant Messaging API is present with a different pkg VERSION.
Checking IMAPI 7.3 ...
Checking pkg SUNWiimdv... present but with a different pkg VERSION.
checking SUNWiimdv 7.3,REV=2008.01.15
NOTICE: Instant Messaging API is present with a different pkg VERSION.
Checking IMAPI 8.0 ...
Checking pkg SUNWiimdv... present but with a different pkg VERSION.

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checking SUNWiimdv 8.0,REV=2008.12.04
NOTICE: Instant Messaging API is present with a different pkg VERSION.
Checking CI 7.6 ...
Checking pkg SUNWcomms...pkgparam -v -R /opt/altroot SUNWcomms 2>&1
CLASSES='none'
BASEDIR='/CommsInstaller'
INSTDATE='Aug 08 2014 18:23'
PKGSAB=' /var/sadm/pkg/SUNWcomms/save'
PKGINST='SUNWcomms'
ARCH='sparc'
VERSION='7.6,REV=2014.07.01'
PKG='SUNWcomms'
NAME='Comms Installer'
MAXINST='1000'
CATEGORY='application'
DESC='Comms Installer'
VENDOR='Oracle Corporation'
HOTLINE='Please contact your local service provider'
EMAIL=''
SUNW_PKG_ALLZONES='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PRODNAME='CommsInstaller'
SUNW_PRODVERS='7.6-0.10'
SUNW_PKGVERS='1.0'
PSTAMP='sca00bkr20140701221058'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-v --installed '/opt/altroot/CommsInstaller' 2>&1
VERSION='7.6-0.10'
BUILDDATE='20140701'
UNAME='SunOS'
ARCH='sparc'
BITS='32'
ORCL_VERSION='7.0.6.0.0'
-- Exit status: 0

/opt/altroot/CommsInstaller/lib/getVersion -v 2>&1
VERSION='7.6-0.10'
BUILDDATE='20140701'
UNAME='SunOS'

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```

ARCH='sparc'
BITS='32'
ORCL_VERSION='7.0.6.0.0'
-- Exit status: 0
INFO: CI /opt/altroot/CommsInstaller/lib/getVersion -v : returned 0
present.
CI 7.6 is already present.
Checking MS64 7.5 ...
Checking pkg SUNWmessaging-server-64...pkgparam -v -R /opt/altroot
SUNWmessaging-server-64 2>&1
CLASSES='none'
BASEDIR='/messaging64'
INSTDATE='Aug 08 2014 18:23'
PKGSAB='/var/sadm/pkg/SUNWmessaging-server-64/save'
PKGINST='SUNWmessaging-server-64'
ARCH='sparc'
CATEGORY='application'
DESC='Messaging Server'
EMAIL=''
HOTLINE='Please contact your local service provider'
MAXINST='1000'
NAME='Messaging Server'
PKG='SUNWmessaging-server-64'
SUNW_PKGVERS='1.0'
SUNW_PRODNAME='Oracle Communications Messaging Server'
VENDOR='Oracle Corporation'
VERSION='7.0,REV=2008.06.20'
PSTAMP='sca00bkj20140505094755'
SUNW_PRODVERS='7.5-31.0'
PATCHLIST='800255-01 137204-31'
PATCH_INFO_800255-01='Installed: Monday, May 5, 2014 09:49:13 AM PDT
From: sca00bkj Obsoletes: Requires: Incompatibles:'
PATCH_INFO_137204-31='Installed: Monday, May 5, 2014 09:49:14 AM PDT
From: sca00bkj Obsoletes: Requires: Incompatibles:'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-v --installed '/opt/altroot/messaging64' 2>&1
VERSION='7.5-31.0'
BUILDDATE='20140505'
UNAME='SunOS'
ARCH='sparc'

```

```

BITS='64'
ORCL_VERSION='7.0.5.31.0'
-- Exit status: 0

/opt/altroot/messaging64/lib/getVersion -v 2>&1
VERSION='7.5-31.0'
BUILDDATE='20140505'
UNAME='SunOS'
ARCH='sparc'
BITS='64'
ORCL_VERSION='7.0.5.31.0'
-- Exit status: 0
INFO: MS64 /opt/altroot/messaging64/lib/getVersion -v : returned 0
present.
MS64 7.5 is already present.
Checking MS64 6.3 ...
Checking pkg SUNWmessaging-server-64... present but with a different pkg
VERSION.
checking SUNWmessaging-server-64 6.3,REV=2007.02.26
NOTICE: Messaging Server (64bit) is present with a different pkg
VERSION.
Checking MS64 6.3_32 ...
Checking pkg SUNWmsgin... not present.
Checking pkg SUNWmsgen... not present.
Checking pkg SUNWmsglb... not present.
Checking pkg SUNWmsgco... not present.
Checking pkg SUNWmsgmt... not present.
Checking pkg SUNWmsgst... not present.
Checking pkg SUNWmsgmp... not present.
Checking pkg SUNWmsgwm... not present.
Checking pkg SUNWmsgmf... not present.
MS64 6.3_32 is not present.
Checking MS64 7.2_32 ...
Checking pkg SUNWmessaging-server... not present.
MS64 7.2_32 is not present.
Checking MS64 7.3_32 ...
MS64 7.3_32 is not present.
Checking MS64 7.5_32 ...
MS64 7.5_32 is not present.
Checking DSSETUP 6.4 ...
Checking pkg SUNWcomds...pkgparam -v -R /opt/altroot SUNWcomds 2>&1
CLASSES='none'
BASEDIR='/dssetup'
INSTDATE='Aug 08 2014 18:23'
PKGSABV='/var/sadm/pkg/SUNWcomds/save'
PKGINST='SUNWcomds'
ARCH='sparc'
CATEGORY='application'
DESC='Comm Servers DS Setup'
EMAIL=''
HOTLINE='Please contact your local service provider'
MAXINST='1000'
PKG='SUNWcomds'
SUNW_PKGVERS='1.0'
SUNW_PRODNAME='comm_dssetup'
VERSION='6.3,REV=2004.08.12'

```

```

NAME='Comm Servers DS Setup'
PSTAMP='sca00bkj20140418140731'
SUNW_PRODVERS='6.4-26.01'
VENDOR='Oracle Corporation'
PATCHLIST='118242-03 118245-26'
PATCH_INFO_118242-03='Installed: Friday, April 18, 2014 09:07:35 PM UTC
From: sca00bkj Obsoletes: Requires: Incompatibles:'
PATCH_INFO_118245-26='Installed: Friday, April 18, 2014 09:07:35 PM UTC
From: sca00bkj Obsoletes: Requires: 118242-02 Incompatibles:'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-v --installed '/opt/altroot/dssetup' 2>&1
VERSION='6.4-26.01'
BUILDDATE='20140418'
UNAME='SunOS'
ARCH='sparc'
BITS='32'
ORCL_VERSION='6.4.0.26.0'
-- Exit status: 0

/opt/altroot/dssetup/lib/getVersion -v 2>&1
VERSION='6.4-26.01'
BUILDDATE='20140418'
UNAME='SunOS'
ARCH='sparc'
BITS='32'
ORCL_VERSION='6.4.0.26.0'
-- Exit status: 0
INFO: DSSETUP /opt/altroot/dssetup/lib/getVersion -v : returned 0
present.
DSSETUP 6.4 is already present.
Checking DAV 7.4 ...
Checking pkg SUNWdavserver...pkgparam -v -R /opt/altroot SUNWdavserver
2>&1
CLASSES='none'
BASEDIR='/davserver'
INSTDATE='Aug 08 2014 18:23'
PKGSABV='/var/sadm/pkg/SUNWdavserver/save'
PKGINST='SUNWdavserver'
ARCH='sparc'
CATEGORY='application'

```

```

EMAIL=''
HOTLINE='Please contact your local service provider'
MAXINST='1000'
PKG='SUNWdavserver'
SUNW_PKGVERS='1.0'
VERSION='7.0,REV=2009.08.27'
DESC='Oracle Communications Calendar Server'
NAME='Oracle Communications Calendar Server'
PSTAMP='sca00bkr20140425053946'
SUNW_PRODNAME='Oracle Communications Calendar Server'
SUNW_PRODVERS='7.4-15.10'
VENDOR='Oracle Corporation'
PATCHLIST='142785-15'
PATCH_INFO_142785-15='Installed: Friday, April 25, 2014 05:39:53 AM PDT
From: sca00bkr Obsoletes: Requires: Incompatibles:'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-v --installed '/opt/altroot/davserver' 2>&1
VERSION='7.4-15.10'
BUILDDATE='20140425'
UNAME='SunOS'
ARCH='sparc'
BITS='32'
ORCL_VERSION='7.0.4.15.0'
-- Exit status: 0

/opt/altroot/davserver/lib/getVersion -v 2>&1
VERSION='7.4-15.10'
BUILDDATE='20140425'
UNAME='SunOS'
ARCH='sparc'
BITS='32'
ORCL_VERSION='7.0.4.15.0'
-- Exit status: 0
INFO: DAV /opt/altroot/davserver/lib/getVersion -v : returned 0
present.
DAV 7.4 is already present.
Checking IM 9.2 ...
Checking pkg SUNWiimin...pkgparam -v -R /opt/altroot SUNWiimin 2>&1
CLASSES='none'
BASEDIR='/im'

```

```

INSTDATE='Aug 08 2014 18:23'
PKGSAB=' /var/sadm/pkg/SUNWiimin/save'
PKGINST='SUNWiimin'
ARCH='sparc'
CATEGORY='application'
DESC='Oracle Communications Instant Messaging Install Support'
EMAIL=''
HOTLINE='Please contact your local service provider'
MAXINST='1000'
NAME='Oracle Communications Instant Messaging Install Support'
PKG='SUNWiimin'
PRODUCT_NAME='Oracle Communications Instant Messaging'
SUNW_PKGVERS='1.0'
SUNW_PRODNAME='Oracle Communications Instant Messaging'
VENDOR='Oracle Corporation'
VERSION='9.0, REV=2011.09.05'
PSTAMP='sca00bkr20140625022554'
SUNW_PRODVERS='9.2-06.7'
PATCHLIST='148579-06'
PATCH_INFO_148579-06='Installed: Wednesday, June 25, 2014 02:26:58 AM
PDT From: sca00bkr Obsoletes: Requires: Incompatibles: 118786-01
137235-01 139893-01'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-v --installed '/opt/altroot/im' 2>&1
VERSION='9.2-06.7'
BUILDDATE='20140625'
UNAME='SunOS'
ARCH='sparc'
BITS='64'
ORCL_VERSION='9.0.2.6.0'
-- Exit status: 0

/opt/altroot/im/lib/getVersion -v 2>&1
VERSION='9.2-06.7'
BUILDDATE='20140625'
UNAME='SunOS'
ARCH='sparc'
BITS='64'
ORCL_VERSION='9.0.2.6.0'
-- Exit status: 0

```

```

INFO: IM /opt/altroot/im/lib/getVersion -v : returned 0
present.
Checking pkg SUNWiim...pkgparam -v -R /opt/altroot SUNWiim 2>&1
CLASSES='none'
BASEDIR='/im'
INSTDATE='Aug 08 2014 18:23'
PKGSAB=' /var/sadm/pkg/SUNWiim/save'
PKGINST='SUNWiim'
ARCH='sparc'
CATEGORY='application'
DESC='Oracle Communications Instant Messaging Server'
EMAIL=''
HOTLINE='Please contact your local service provider'
MAXINST='1000'
NAME='Oracle Communications Instant Messaging Server'
PKG='SUNWiim'
PRODUCT_NAME='Oracle Communications Instant Messaging'
SUNW_PKGVERS='1.0'
SUNW_PRODNAME='Oracle Communications Instant Messaging'
VENDOR='Oracle Corporation'
VERSION='9.0,REV=2011.09.05'
PSTAMP='sca00bkr20140625022542'
SUNW_PRODVERS='9.2-06.7'
PATCHLIST='148579-06'
PATCH_INFO_148579-06='Installed: Wednesday, June 25, 2014 02:26:55 AM
PDT From: sca00bkr Obsoletes: Requires: Incompatibles: 118786-01
137235-01 139893-01'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWiimm...pkgparam -v -R /opt/altroot SUNWiimm 2>&1
CLASSES='none'
BASEDIR='/im'
INSTDATE='Aug 08 2014 18:23'
PKGSAB=' /var/sadm/pkg/SUNWiimm/save'
PKGINST='SUNWiimm'
ARCH='sparc'
CATEGORY='application'
DESC='Oracle Communications Instant Messaging Multiplexor'
EMAIL=''
HOTLINE='Please contact your local service provider'
MAXINST='1000'
NAME='Oracle Communications Instant Messaging Multiplexor'

```



```

PKG='SUNWiimm'
PRODUCT_NAME='Oracle Communications Instant Messaging'
SUNW_PKGVERS='1.0'
SUNW_PRODNAME='Oracle Communications Instant Messaging'
VENDOR='Oracle Corporation'
VERSION='9.0,REV=2011.09.05'
PSTAMP='sca00bkr20140625022600'
SUNW_PRODVERS='9.2-06.7'
PATCHLIST='148579-06'
PATCH_INFO_148579-06='Installed: Wednesday, June 25, 2014 02:26:58 AM
PDT From: sca00bkr Obsoletes: Requires: Incompatibles: 118786-01
137235-01 139893-01'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWiimjd...pkgparam -v -R /opt/altroot SUNWiimjd 2>&1
CLASSES='none'
BASEDIR='/im'
INSTDATE='Aug 08 2014 18:23'
PKGSAB='/var/sadm/pkg/SUNWiimjd/save'
PKGINST='SUNWiimjd'
ARCH='sparc'
CATEGORY='application'
DESC='Oracle Communications Instant Messaging API Documentation'
EMAIL=''
HOTLINE='Please contact your local service provider'
MAXINST='1000'
NAME='Oracle Communications Instant Messaging API Documentation'
PKG='SUNWiimjd'
PRODUCT_NAME='Oracle Communications Instant Messaging'
SUNW_PKGVERS='1.0'
SUNW_PRODNAME='Oracle Communications Instant Messaging'
VENDOR='Oracle Corporation'
VERSION='9.0,REV=2011.09.05'
PSTAMP='sca00bkr20140625022555'
SUNW_PRODVERS='9.2-06.7'
PATCHLIST='148579-06'
PATCH_INFO_148579-06='Installed: Wednesday, June 25, 2014 02:26:58 AM
PDT From: sca00bkr Obsoletes: Requires: Incompatibles: 118786-01
137235-01 139893-01'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'

```

```

PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWiimid...pkgparam -v -R /opt/altroot SUNWiimid 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Aug 08 2014 18:23'
PKGSABV='/var/sadm/pkg/SUNWiimid/save'
PKGINST='SUNWiimid'
ARCH='sparc'
CATEGORY='application'
DESC='Access Manager Integration Modules for Instant Messaging and
Presence'
EMAIL=''
HOTLINE='Please contact your local service provider'
MAXINST='1000'
NAME='Oracle Communications Instant Messaging Service'
PKG='SUNWiimid'
PRODUCT_NAME='Oracle Communications Instant Messaging'
SUNW_PKGVERS='1.0'
SUNW_PRODNAME='Oracle Communications Instant Messaging'
VENDOR='Oracle Corporation'
VERSION='9.0,REV=2011.09.05'
PSTAMP='sca00bkr20140625022553'
SUNW_PRODVERS='9.2-06.7'
PATCHLIST='148579-06'
PATCH_INFO_148579-06='Installed: Wednesday, June 25, 2014 02:26:57 AM
PDT From: sca00bkr Obsoletes: Requires: Incompatibles: 118786-01
137235-01 139893-01'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0

NOTICE: fillInstalledProd found different BASEDIR:

```

```

for pkg=SUNWiimid pkgver=9.0,REV=2011.09.05 basedir=/opt/altroot/
found prod=IM prodvers=9.2
but another basedir exists!
$VAR1 = [
  '/opt/altroot/im',
  '9.2-06.7',
  '20140625',
  '9u2',
  'SunOS',
  'sparc',
  '64',
  '/opt/altroot',
  '9.0.2.6.0'
];
present.
Checking pkg SUNWiimgw...pkgparam -v -R /opt/altroot SUNWiimgw 2>&1
CLASSES='none'
BASEDIR='/im'
INSTDATE='Aug 08 2014 18:23'
PKGSABV='/var/sadm/pkg/SUNWiimgw/save'
PKGINST='SUNWiimgw'
ARCH='sparc'
CATEGORY='application'
DESC='Oracle Communications Instant Messaging Server Gateways'
EMAIL=''
HOTLINE='Please contact your local service provider'
MAXINST='1000'
NAME='Oracle Communications Instant Messaging Server Gateways'
PKG='SUNWiimgw'
PRODUCT_NAME='Oracle Communications Instant Messaging'
SUNW_PKGVERS='1.0'
SUNW_PRODNAME='Oracle Communications Instant Messaging'
VENDOR='Oracle Corporation'
VERSION='9.0,REV=2011.09.05'
PSTAMP='sca00bkr20140625022552'
SUNW_PRODVERS='9.2-06.7'
PATCHLIST='148579-06'
PATCH_INFO_148579-06='Installed: Wednesday, June 25, 2014 02:26:56 AM
PDT From: sca00bkr Obsoletes: Requires: Incompatibles: 118786-01
137235-01 139893-01'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.

```

```

Checking pkg SUNWiimw...pkgparam -v -R /opt/altroot SUNWiimw 2>&1
CLASSES='none'
BASEDIR='/im'
INSTDATE='Aug 08 2014 18:23'
PKGSAB=' /var/sadm/pkg/SUNWiimw/save'
PKGINST='SUNWiimw'
ARCH='sparc'
CATEGORY='application'
DESC='Oracle Communications Instant Messenger'
EMAIL=''
HOTLINE='Please contact your local service provider'
MAXINST='1000'
NAME='Oracle Communications Instant Messaging Web Applications'
PKG='SUNWiimw'
PRODUCT_NAME='Oracle Communications Instant Messaging'
SUNW_PKGVERS='1.0'
SUNW_PRODNAME='Oracle Communications Instant Messaging'
VENDOR='Oracle Corporation'
VERSION='9.0,REV=2011.09.05'
PSTAMP='sca00bkr20140625022601'
SUNW_PRODVERS='9.2-06.7'
PATCHLIST='148579-06'
PATCH_INFO_148579-06='Installed: Wednesday, June 25, 2014 02:26:58 AM
PDT From: sca00bkr Obsoletes: Requires: Incompatibles: 118786-01
137235-01 139893-01'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWiimfed...pkgparam -v -R /opt/altroot SUNWiimfed 2>&1
CLASSES='none'
BASEDIR='/im'
INSTDATE='Aug 08 2014 18:23'
PKGSAB=' /var/sadm/pkg/SUNWiimfed/save'
PKGINST='SUNWiimfed'
ARCH='sparc'
CATEGORY='application'
DESC='Oracle Communications Instant Messaging Server Federation Helper'
EMAIL=''
HOTLINE='Please contact your local service provider'
MAXINST='1000'
NAME='Oracle Communications Instant Messaging Server Federation Helper'
PKG='SUNWiimfed'
PRODUCT_NAME='Oracle Communications Instant Messaging'

```

```

SUNW_PKGVERS='1.0'
SUNW_PRODNAME='Oracle Communications Instant Messaging'
VENDOR='Oracle Corporation'
VERSION='9.0,REV=2011.09.05'
PSTAMP='sca00bkr20140625022544'
SUNW_PRODVERS='9.2-06.7'
PATCHLIST='148579-06'
PATCH_INFO_148579-06='Installed: Wednesday, June 25, 2014 02:26:55 AM
PDT From: sca00bkr Obsoletes: Requires: Incompatibles: 118786-01
137235-01 139893-01'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
IM 9.2 is already present.
Checking IM 7.0 ...
Checking pkg SUNWiimin... present but with a different pkg VERSION.
checking SUNWiimin 7.0,REV=2004.11.24.05.24.36
Checking pkg SUNWiim... present but with a different pkg VERSION.
checking SUNWiim 7.0,REV=2004.11.24.05.24.36
Checking pkg SUNWiimm... present but with a different pkg VERSION.
checking SUNWiimm 7.0,REV=2004.11.24.05.24.36
Checking pkg SUNWiimjd... present but with a different pkg VERSION.
checking SUNWiimjd 7.0,REV=2004.11.24.05.24.36
Checking pkg SUNWiimid...
NOTICE: fillInstalledProd found different BASEDIR:
for pkg=SUNWiimid pkgver=9.0,REV=2011.09.05 basedir=/opt/altroot/
found prod=IM prodvers=9.2
but another basedir exists!
$VAR1 = [
'/opt/altroot/im',
'9.2-06.7',
'20140625',
'9u2',
'SunOS',
'sparc',
'64',
'/opt/altroot',
'9.0.2.6.0'
];
present but with a different pkg VERSION.
checking SUNWiimid 7.0,REV=2004.11.24.05.24.36
Checking pkg SUNWiimc... not present.
Checking pkg SUNWiimd... not present.

```

```

NOTICE: Instant Messaging is present with a different pkg VERSION.
Checking IM 7.3 ...
Checking pkg SUNWiim... present but with a different pkg VERSION.
checking SUNWiim 7.3,REV=2008.01.15
Checking pkg SUNWiimin... present but with a different pkg VERSION.
checking SUNWiimin 7.3,REV=2008.01.15
Checking pkg SUNWiimm... present but with a different pkg VERSION.
checking SUNWiimm 7.3,REV=2008.01.15
Checking pkg SUNWiimjd... present but with a different pkg VERSION.
checking SUNWiimjd 7.3,REV=2008.01.15
Checking pkg SUNWiimid...
NOTICE: fillInstalledProd found different BASEDIR:
for pkg=SUNWiimid pkgver=9.0,REV=2011.09.05 basedir=/opt/altroot/
found prod=IM prodvers=9.2
but another basedir exists!
$VAR1 = [
  '/opt/altroot/im',
  '9.2-06.7',
  '20140625',
  '9u2',
  'SunOS',
  'sparc',
  '64',
  '/opt/altroot',
  '9.0.2.6.0'
];
present but with a different pkg VERSION.
checking SUNWiimid 7.3,REV=2008.01.15
Checking pkg SUNWiimc... not present.
Checking pkg SUNWiimd... not present.
NOTICE: Instant Messaging is present with a different pkg VERSION.
Checking IM 8.3 ...
Checking pkg SUNWiim... present but with a different pkg VERSION.
checking SUNWiim 8.0,REV=2008.12.04
Checking pkg SUNWiimin... present but with a different pkg VERSION.
checking SUNWiimin 8.0,REV=2008.12.04
Checking pkg SUNWiimm... present but with a different pkg VERSION.
checking SUNWiimm 8.0,REV=2008.12.04
Checking pkg SUNWiimjd... present but with a different pkg VERSION.
checking SUNWiimjd 8.0,REV=2008.12.04
Checking pkg SUNWiimid...
NOTICE: fillInstalledProd found different BASEDIR:
for pkg=SUNWiimid pkgver=9.0,REV=2011.09.05 basedir=/opt/altroot/
found prod=IM prodvers=9.2
but another basedir exists!
$VAR1 = [
  '/opt/altroot/im',
  '9.2-06.7',
  '20140625',
  '9u2',
  'SunOS',
  'sparc',
  '64',
  '/opt/altroot',
  '9.0.2.6.0'
];

```

```

present but with a different pkg VERSION.
checking SUNWiimid 8.0,REV=2008.12.04
Checking pkg SUNWiimc... not present.
Checking pkg SUNWiimd... not present.
Checking pkg SUNWiimgw... present but with a different pkg VERSION.
checking SUNWiimgw 8.0,REV=2008.12.04
NOTICE: Instant Messaging is present with a different pkg VERSION.
Checking IWC 3.0 ...
Checking pkg SUNWiwc...pkgparam -v -R /opt/altroot SUNWiwc 2>&1
CLASSES='none'
BASEDIR='/iwc'
INSTDATE='Aug 08 2014 18:23'
PKGSAB=' /var/sadm/pkg/SUNWiwc/save'
PKGINST='SUNWiwc'
ARCH='sparc'
VERSION='3.0,REV=2014.06.30'
PKG='SUNWiwc'
NAME='Convergence'
MAXINST='1000'
CATEGORY='application'
DESC='Convergence for Mail, Calendar, IM, Address Book'
VENDOR='Oracle'
HOTLINE='Please contact your local service provider'
EMAIL=''
SUNW_PRODNAME='Convergence'
SUNW_PRODVERS='3.0-1.0022'
SUNW_PKGVERS='1.0'
PSTAMP='sca00bjl20140630000443'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-v --installed '/opt/altroot/iwc' 2>&1
VERSION='3.0-1.0022'
BUILDDATE='20140630'
UNAME='SunOS'
ARCH='sparc'
BITS='32'
ORCL_VERSION='3.0.0.1.0'
-- Exit status: 0

/opt/altroot/iwc/lib/getVersion -v 2>&1
VERSION='3.0-1.0022'

```

```

BUILDDATE='20140630'
UNAME='SunOS'
ARCH='sparc'
BITS='32'
ORCL_VERSION='3.0.0.1.0'
-- Exit status: 0
INFO: IWC /opt/altroot/iwc/lib/getVersion -v : returned 0
present.
IWC 3.0 is already present.
Checking IWC 1.0 ...
Checking pkg SUNWiwc... present but with a different pkg VERSION.
checking SUNWiwc 1.0,REV=2008.07.07
NOTICE: Convergence is present with a different pkg VERSION.
Checking IWC 2.0 ...
Checking pkg SUNWiwc... present but with a different pkg VERSION.
checking SUNWiwc 2.0,REV=2010.07.26
NOTICE: Convergence is present with a different pkg VERSION.
Checking JISS 1.5 ...
Checking pkg SUNWjiss...pkgparam -v -R /opt/altroot SUNWjiss 2>&1
CLASSES='none preserve'
BASEDIR='/jiss'
INSTDATE='Aug 08 2014 18:23'
PKGSAB=' /var/sadm/pkg/SUNWjiss/save'
PKGINST='SUNWjiss'
ARCH='all'
CATEGORY='application'
EMAIL=''
HOTLINE='Please contact your local service provider'
MAXINST='1'
PKG='SUNWjiss'
SUNW_PKGVERS='1.0'
VERSION='1.0,REV=2009.09.09'
DESC='Indexing and Search Service'
NAME='Indexing and Search Service'
PSTAMP='miso220140528220303'
SUNW_PRODNAME='Oracle Indexing and Search Service'
SUNW_PRODVERS='1.5-22.11300'
VENDOR='Oracle'
PATCHLIST='142824-22'
PATCH_INFO_142824-22='Installed: Wednesday, May 28, 2014 10:08:25 PM PDT
From: miso2 Obsoletes: Requires: Incompatibles:'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0

```



```

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-v --installed '/opt/altroot/jiss' 2>&1
VERSION='1.5-22.11300'
BUILDDATE='20140528'
UNAME='SunOS'
ARCH='all'
BITS='32'
ORCL_VERSION='1.0.5.22.0'
-- Exit status: 0

/opt/altroot/jiss/lib/getVersion -v 2>&1
VERSION='1.5-22.11300'
BUILDDATE='20140528'
UNAME='SunOS'
ARCH='all'
BITS='32'
ORCL_VERSION='1.0.5.22.0'
-- Exit status: 0
INFO: JISS /opt/altroot/jiss/lib/getVersion -v : returned 0
present.
JISS 1.5 is already present.
Checking JISS 0.9 ...
Checking pkg SUNWjiss-common... not present.
Checking pkg SUNWjiss-conf... not present.
Checking pkg SUNWjiss-extjars... not present.
Checking pkg SUNWjiss-indexapi... not present.
Checking pkg SUNWjiss-jmqc... not present.
Checking pkg SUNWjiss-rest... not present.
Checking pkg SUNWjiss-search... not present.
Checking pkg SUNWjiss-searchui... not present.
Checking pkg SUNWjiss-store... not present.
Checking pkg SUNWjiss-storeui... not present.
JISS 0.9 is not present.
Checking DA 7.0 ...
Checking pkg SUNWcommda...pkgparam -v -R /opt/altroot SUNWcommda 2>&1
CLASSES='none'
BASEDIR='/da'
INSTDATE='Aug 08 2014 18:23'
PKGSAB=' /var/sadm/pkg/SUNWcommda/save'
PKGINST='SUNWcommda'
PATCH_INFO_124581-09='Installed: Mon Jan 6 00:56:34 PST 2014 From: monks
Obsoletes: Requires: Incompatibles:'
PATCHLIST='124581-09'
VENDOR='Oracle Corporation'
SUNW_PRODVERS='7.0-9.00'
SUNW_PRODNAME='Delegated Administrator'
PSTAMP='monks20140106005625'
NAME='Delegated Administrator'
VERSION='7.0,REV=2009.03.31'
SUNW_PKGVERS='1.0'
PKG='SUNWcommda'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Delegated Administrator'

```

```

CATEGORY='application'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-v --installed '/opt/altroot/da' 2>&1
VERSION='7.0-9.00'
BUILDDATE='20140106'
UNAME='SunOS'
ARCH='sparc'
BITS='32'
ORCL_VERSION='7.0.0.9.0'
-- Exit status: 0

/opt/altroot/da/lib/getVersion -v 2>&1
VERSION='7.0-9.00'
BUILDDATE='20140106'
UNAME='SunOS'
ARCH='sparc'
BITS='32'
ORCL_VERSION='7.0.0.9.0'
-- Exit status: 0
INFO: DA /opt/altroot/da/lib/getVersion -v : returned 0
present.
DA 7.0 is already present.
Checking DA 6.4 ...
Checking pkg SUNWcomic... not present.
Checking pkg SUNWcomis... not present.
DA 6.4 is not present.
Checking MS_SCHA 7.0 ...
Checking pkg SUNWmessaging-server-scha...pkgparam -v -R /opt/altroot
SUNWmessaging-server-scha 2>&1
CLASSES='none'
BASEDIR='/msg_scha'
INSTDATE='Aug 08 2014 18:23'
PKGSABV='/var/sadm/pkg/SUNWmessaging-server-scha/save'
PKGINST='SUNWmessaging-server-scha'
PSTAMP='monks20080519103726'
SUNW_PKGVERS='1.0'
SUNW_PRODVERS='7.0-0.03'
SUNW_PRODNAME='Messaging Server Sun Cluster HA agent'
SUNW_PKG_THISZONE='false'

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SUNW_PKG_HOLLOW='false'
SUNW_PKG_ALLZONES='false'
EMAIL=''
HOTLINE='Please contact your local service provider'
VENDOR='Sun Microsystems Inc.'
DESC='Sun Cluster Messaging Server Data Service'
CATEGORY='application'
MAXINST='1000'
NAME='Messaging Server Sun Cluster HA agent'
PKG='SUNWmessaging-server-scha'
VERSION='7.0,REV=2008.05.19'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-v --installed '/opt/altroot/msg_scha' 2>&1
VERSION='7.0-0.03'
BUILDDATE='20080519'
UNAME='SunOS'
ARCH='sparc'
BITS='32'
-- Exit status: 0

/opt/altroot/msg_scha/lib/getVersion -v 2>&1
VERSION='7.0-0.03'
BUILDDATE='20080519'
UNAME='SunOS'
ARCH='sparc'
BITS='32'
-- Exit status: 0
INFO: MS_SCHA /opt/altroot/msg_scha/lib/getVersion -v : returned 0
present.
MS_SCHA 7.0 is already present.
Checking MS_SCHA 6.0 ...
Checking pkg SUNWscims... not present.
MS_SCHA 6.0 is not present.
Checking IM_SCHA 7.3 ...
Checking pkg SUNWiimsc...pkgparam -v -R /opt/altroot SUNWiimsc 2>&1
CLASSES='none'
BASEDIR='/im_scha'
INSTDATE='Aug 08 2014 18:23'
PKGSABV='/var/sadm/pkg/SUNWiimsc/save'

```

```

PKGINST='SUNWiimsc'
PATCH_INFO_137571-01='Installed: Thu Apr 3 22:46:20 PDT 2008 From: monks
Obsoletes: Requires: Incompatibles:'
PATCHLIST='137571-01'
SUNW_PRODVERS='7.3-01'
PSTAMP='monks20080403224613'
VERSION='7.3,REV=2008.01.07.20.24.34'
VENDOR='Sun Microsystems,Inc.'
SUNW_PRODNAME='Sun Cluster'
SUNW_PKGVERS='1.0'
PRODUCT_NAME='Sun Cluster'
PKG='SUNWiimsc'
NAME='Sun Cluster Instant Messaging Data Service'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun Cluster Instant Messaging Data Service'
CATEGORY='application'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-v --installed '/opt/altroot/im_scha' 2>&1
No code to determine installed version
-- Exit status: 2

INFO: IM_SCHA
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-v --installed '/opt/altroot/im_scha' : returned 2
No code to determine installed version

/opt/altroot/im_scha/lib/getVersion -v 2>&1
VERSION='7.3-01.02'
BUILDDATE='20080403'
UNAME='SunOS'
ARCH='sparc'
BITS='32'
-- Exit status: 0
present.
IM_SCHA 7.3 is already present.
Checking IM_SCHA 7.0 ...
Checking pkg SUNWiimsc... present but with a different pkg VERSION.

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```

checking SUNWiimsc 7.0,REV=2005.08.03.09.41.41
NOTICE: Instant Messaging Sun Cluster HA agent is present with a
different pkg VERSION.
Checking MS 7.5_32 ...
MS 7.5_32 is not present.
Checking MS 6.3_32 ...
Checking pkg SUNWmsgin... not present.
Checking pkg SUNWmsgen... not present.
Checking pkg SUNWmsglb... not present.
Checking pkg SUNWmsgco... not present.
Checking pkg SUNWmsgmt... not present.
Checking pkg SUNWmsgst... not present.
Checking pkg SUNWmsgmp... not present.
Checking pkg SUNWmsgwm... not present.
Checking pkg SUNWmsgmf... not present.
MS 6.3_32 is not present.
Checking MS 7.2_32 ...
Checking pkg SUNWmessaging-server... not present.
MS 7.2_32 is not present.
Checking MS 7.3_32 ...
MS 7.3_32 is not present.
Checking NAB 8.0 ...
Checking pkg SUNWnabserver...pkgparam -v -R /opt/altroot SUNWnabserver
2>&1
CLASSES='none'
BASEDIR='/nabserver'
INSTDATE='Aug 08 2014 18:23'
PKGSAB='/var/sadm/pkg/SUNWnabserver/save'
PKGINST='SUNWnabserver'
ARCH='sparc'
VERSION='8.0,REV=2014.05.22'
PKG='SUNWnabserver'
NAME='Oracle Communications Contacts Server'
MAXINST='1000'
CATEGORY='application'
DESC='Oracle Communications Contacts Server'
VENDOR='Oracle Corporation'
HOTLINE='Please contact your local service provider'
EMAIL=''
SUNW_PRODNAME='Oracle Communications Contacts Server'
SUNW_PRODVERS='8.0-0.52'
SUNW_PKGVERS='1.0'
PSTAMP='sca00bjy20140522195312'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''

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LC_CTYPE=''
-- Exit status: 0

/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/Su
-v --installed '/opt/altroot/nabserver' 2>&1
VERSION='8.0-0.52'
BUILDDATE='20140522'
UNAME='SunOS'
ARCH='sparc'
BITS='32'
ORCL_VERSION='8.0.0.0.0'
-- Exit status: 0

/opt/altroot/nabserver/lib/getVersion -v 2>&1
VERSION='8.0-0.52'
BUILDDATE='20140522'
UNAME='SunOS'
ARCH='sparc'
BITS='32'
ORCL_VERSION='8.0.0.0.0'
-- Exit status: 0
INFO: NAB /opt/altroot/nabserver/lib/getVersion -v : returned 0
present.
NAB 8.0 is already present.
Checking MS_L10N 6.2 ...
Checking pkg SUNWmsgde... not present.
Checking pkg SUNWmsges... not present.
Checking pkg SUNWmsgfr... not present.
Checking pkg SUNWmsgja... not present.
Checking pkg SUNWmsgko... not present.
Checking pkg SUNWmsgzh... not present.
Checking pkg SUNWmsgtw... not present.
MS_L10N 6.2 is not present.
Checking MS_L10N 6.3 ...
Checking pkg SUNWmsg-l10n... not present.
MS_L10N 6.3 is not present.
Checking MS64_L10N 6.3 ...
Checking pkg SUNWmessaging-server-l10n-64... not present.
MS64_L10N 6.3 is not present.
Checking CS 6.3 ...
Checking pkg SUNWics5... not present.
Checking pkg SUNWica5... not present.
CS 6.3 is not present.
Checking CS_L10N 6.2 ...
Checking pkg SUNWdeics... not present.
Checking pkg SUNWesics... not present.
Checking pkg SUNWfrics... not present.
Checking pkg SUNWjaics... not present.
Checking pkg SUNWkoics... not present.
Checking pkg SUNWzhics... not present.
Checking pkg SUNWtwics... not present.
CS_L10N 6.2 is not present.
Checking CS_L10N 6.3 ...
Checking pkg SUNWics-l10n... not present.
CS_L10N 6.3 is not present.
Checking IM_L10N 7.0 ...

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```

Checking pkg SUNWdiimc... not present.
Checking pkg SUNWdiimd... not present.
Checking pkg SUNWdimid... not present.
Checking pkg SUNWeiimc... not present.
Checking pkg SUNWeiimd... not present.
Checking pkg SUNWeiimin... not present.
Checking pkg SUNWeimid... not present.
Checking pkg SUNWfiimc... not present.
Checking pkg SUNWfiimd... not present.
Checking pkg SUNWfiimin... not present.
Checking pkg SUNWfimid... not present.
Checking pkg SUNWjiimc... not present.
Checking pkg SUNWjiimd... not present.
Checking pkg SUNWjiimin... not present.
Checking pkg SUNWjimid... not present.
Checking pkg SUNWkiimc... not present.
Checking pkg SUNWkiimd... not present.
Checking pkg SUNWkiimin... not present.
Checking pkg SUNWkimid... not present.
Checking pkg SUNWciimc... not present.
Checking pkg SUNWciimd... not present.
Checking pkg SUNWciimin... not present.
Checking pkg SUNWcimid... not present.
Checking pkg SUNWhiimc... not present.
Checking pkg SUNWhiimd... not present.
Checking pkg SUNWhiimin... not present.
Checking pkg SUNWhimid... not present.
IM_L10N 7.0 is not present.
Checking IM_L10N 7.2 ...
Checking pkg SUNWiimc-l10n... not present.
Checking pkg SUNWiimd-l10n... not present.
Checking pkg SUNWiimid-l10n... not present.
Checking pkg SUNWiimin-l10n... not present.
IM_L10N 7.2 is not present.
Checking CE 6.3 ...
Checking pkg SUNWuwc... not present.
CE 6.3 is not present.
Checking CE_L10N 6.2 ...
Checking pkg SUNWduwc... not present.
Checking pkg SUNWeuwc... not present.
Checking pkg SUNWfuwc... not present.
Checking pkg SUNWjuwc... not present.
Checking pkg SUNWkuwc... not present.
Checking pkg SUNWcuwc... not present.
Checking pkg SUNWhuwc... not present.
CE_L10N 6.2 is not present.
Checking CE_L10N 6.3 ...
Checking pkg SUNWuwc-l10n... not present.
CE_L10N 6.3 is not present.
Checking CS_SCHA 6.0 ...
Checking pkg SUNWscics... not present.
CS_SCHA 6.0 is not present.
Checking CS_SCHA 6.3 ...
Checking pkg SUNWscics... not present.
CS_SCHA 6.3 is not present.
Detecting Installed Patches...

```

```

-- chk4patch 119963-27 /tmp/.patchout_20140808182446.2676 LIBCPLUSPLUS
-- new_chk4patch 119963-27 for LIBCPLUSPLUS: using pkg: SUNWlibc
5.10,REV=2004.12.22
-- Exact match found in PATCHLIST
LIBCPLUSPLUS patch 119963-27 is already present.
-- chk4patch 120900-04 /tmp/.patchout_20140808182446.2676 PATCHUTILS
-- new_chk4patch 120900-04 for PATCHUTILS: using pkg: SUNWpkgcmdsu
11.11,REV=2005.01.09.23.05
-- new_chk4patch 120900-04 for PATCHUTILS: using pkg: SUNWswmt
11.10,REV=2005.01.10.17.19
-- new_chk4patch 120900-04 for PATCHUTILS: using pkg:
SUNWinstall-patch-utils-root 11.10,REV=2005.01.09.23.05
-- new_chk4patch 120900-04 for PATCHUTILS: using pkg: SUNWcsr
11.10.0,REV=2005.01.21.15.53
-- Exact match found in PATCHLIST
PATCHUTILS patch 120900-04 is already present.
-- chk4patch 121133-02 /tmp/.patchout_20140808182446.2676 PATCHUTILS
-- new_chk4patch 121133-02 for PATCHUTILS: using pkg: SUNWpkgcmdsu
11.11,REV=2005.01.09.23.05
-- new_chk4patch 121133-02 for PATCHUTILS: using pkg: SUNWswmt
11.10,REV=2005.01.10.17.19
-- new_chk4patch 121133-02 for PATCHUTILS: using pkg:
SUNWinstall-patch-utils-root 11.10,REV=2005.01.09.23.05
-- new_chk4patch 121133-02 for PATCHUTILS: using pkg: SUNWcsr
11.10.0,REV=2005.01.21.15.53
-- Exact match found in PATCHLIST
PATCHUTILS patch 121133-02 is already present.
-- chk4patch 119254-88 /tmp/.patchout_20140808182446.2676 PATCHUTILS
-- new_chk4patch 119254-88 for PATCHUTILS: using pkg: SUNWpkgcmdsu
11.11,REV=2005.01.09.23.05
-- Exact match found in PATCHLIST
PATCHUTILS patch 119254-88 is already present.
-- chk4patch 126868-04 /tmp/.patchout_20140808182446.2676 BZIP
-- new_chk4patch 126868-04 for BZIP: using pkg: SUNWbzip
11.10.0,REV=2005.01.08.05.16
-- Exact match found in PATCHLIST
BZIP patch 126868-04 is already present.
-- chk4patch 137321-01 /tmp/.patchout_20140808182446.2676 BZIP
-- new_chk4patch 137321-01 for BZIP: using pkg: SUNWbzip
11.10.0,REV=2005.01.08.05.16
-- Exact match found in PATCHLIST
BZIP patch 137321-01 is already present.
-- chk4patch 119254-88 /tmp/.patchout_20140808182446.2676 RECOMMENDED
-- new_chk4patch 119254-88 for RECOMMENDED: using pkg: SUNWckr
11.10.0,REV=2005.01.21.15.53
-- new_chk4patch 119254-88 for RECOMMENDED: using pkg: SUNWbzip
11.10.0,REV=2005.01.08.05.16
-- new_chk4patch 119254-88 for RECOMMENDED: using pkg: SUNWpkgcmdsu
11.11,REV=2005.01.09.23.05
-- Exact match found in PATCHLIST
RECOMMENDED patch 119254-88 is already present.
-- chk4patch 120272-28 /tmp/.patchout_20140808182446.2676 RECOMMENDED
-- new_chk4patch 120272-28 for RECOMMENDED: using pkg: SUNWckr
11.10.0,REV=2005.01.21.15.53
-- new_chk4patch 120272-28 for RECOMMENDED: using pkg: SUNWbzip
11.10.0,REV=2005.01.08.05.16

```



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--Newer version found 120272-31
RECOMMENDED patch 120272-28 is already present.
-- chk4patch 147147-26 /tmp/.patchout_20140808182446.2676 RECOMMENDED
-- new_chk4patch 147147-26 for RECOMMENDED: using pkg: SUNWckr
11.10.0,REV=2005.01.21.15.53
-- new_chk4patch 147147-26 for RECOMMENDED: using pkg: SUNWbzip
11.10.0,REV=2005.01.08.05.16
-- new_chk4patch 147147-26 for RECOMMENDED: using pkg: SUNWpkgcmdsu
11.11,REV=2005.01.09.23.05
RECOMMENDED patch 147147-26 is not present.
-- chk4patch 125358-15 /tmp/.patchout_altroot_20140808182446.2676 NSS -R
/opt/altroot
-- new_chk4patch 125358-15 for NSS: using pkg: SUNWpr
4.6.4,REV=2006.11.16.20.40
-- Exact match found in PATCHLIST
NSS patch 125358-15 is already present.
-- chk4patch 119345-08 /tmp/.patchout_altroot_20140808182446.2676 SASL
-R /opt/altroot
-- new_chk4patch 119345-08 for SASL: using pkg: SUNWsas1
2.17,REV=2004.04.06.15.24
-- Exact match found in PATCHLIST
SASL patch 119345-08 is already present.
-- chk4patch 136798-03 /tmp/.patchout_altroot_20140808182446.2676
LDAPCSK6_TOOLS -R /opt/altroot
-- new_chk4patch 136798-03 for LDAPCSK6_TOOLS: using pkg:
SUNWldapcsk-tools 6.00,REV=2006.12.11.00.08
-- Exact match found in PATCHLIST
LDAPCSK6_TOOLS patch 136798-03 is already present.
-- chk4patch 119810-07 /tmp/.patchout_altroot_20140808182446.2676 ICU -R
/opt/altroot
-- new_chk4patch 119810-07 for ICU: using pkg: SUNWicu
1.2,REV=2005.01.06.14.13
ICU patch 119810-07 is not present.
-- chk4patch 125136-66 /tmp/.patchout_altroot_20140808182446.2676 JDK -R
/opt/altroot
-- new_chk4patch 125136-66 for JDK: using pkg: SUNWj6rt
1.6.0,REV=2006.11.29.05.57
-- INFO: No pkgparams for pkg SUNWj6rt 1.6.0,REV=2006.11.29.05.57
-- new_chk4patch 125136-66 for JDK: using pkg: SUNWj6rtx
1.6.0,REV=2006.11.29.04.58
-- INFO: No pkgparams for pkg SUNWj6rtx 1.6.0,REV=2006.11.29.04.58
-- new_chk4patch 125136-66 for JDK: using pkg: SUNWj6dev
1.6.0,REV=2006.11.29.05.57
-- INFO: No pkgparams for pkg SUNWj6dev 1.6.0,REV=2006.11.29.05.57
-- new_chk4patch 125136-66 for JDK: using pkg: SUNWj6dvx
1.6.0,REV=2006.11.29.04.58
-- INFO: No pkgparams for pkg SUNWj6dvx 1.6.0,REV=2006.11.29.04.58
-- new_chk4patch 125136-66 for JDK: using pkg: SUNWj6cfg
1.6.0,REV=2006.11.29.05.57
-- INFO: No pkgparams for pkg SUNWj6cfg 1.6.0,REV=2006.11.29.05.57
JDK patch 125136-66 is not present.
-- chk4patch 125137-66 /tmp/.patchout_altroot_20140808182446.2676 JDK -R
/opt/altroot
-- new_chk4patch 125137-66 for JDK: using pkg: SUNWj6rt
1.6.0,REV=2006.11.29.05.57
-- INFO: No pkgparams for pkg SUNWj6rt 1.6.0,REV=2006.11.29.05.57

```

```

-- new_chk4patch 125137-66 for JDK: using pkg: SUNWj6rtx
1.6.0,REV=2006.11.29.04.58
-- INFO: No pkgparams for pkg SUNWj6rtx 1.6.0,REV=2006.11.29.04.58
-- new_chk4patch 125137-66 for JDK: using pkg: SUNWj6dev
1.6.0,REV=2006.11.29.05.57
-- INFO: No pkgparams for pkg SUNWj6dev 1.6.0,REV=2006.11.29.05.57
-- new_chk4patch 125137-66 for JDK: using pkg: SUNWj6dvx
1.6.0,REV=2006.11.29.04.58
-- INFO: No pkgparams for pkg SUNWj6dvx 1.6.0,REV=2006.11.29.04.58
-- new_chk4patch 125137-66 for JDK: using pkg: SUNWj6cfg
1.6.0,REV=2006.11.29.05.57
-- INFO: No pkgparams for pkg SUNWj6cfg 1.6.0,REV=2006.11.29.05.57
JDK patch 125137-66 is not present.
-- chk4patch 119725-06 /tmp/.patchout_altroot_20140808182446.2676
LDAPJDK -R /opt/altroot
-- new_chk4patch 119725-06 for LDAPJDK: using pkg: SUNWljdk
1.0,REV=2004.10.11.06.02
-- INFO: No pkgparams for pkg SUNWljdk 1.0,REV=2004.10.11.06.02
LDAPJDK patch 119725-06 is not present.
-- chk4patch 148582-06 /tmp/.patchout_altroot_20140808182446.2676 IMAPI
-R /opt/altroot
-- new_chk4patch 148582-06 for IMAPI: using pkg: SUNWiimd
9.0,REV=2011.09.05
-- Exact match found in PATCHLIST
IMAPI patch 148582-06 is already present.
-- chk4patch 137204-31 /tmp/.patchout_altroot_20140808182446.2676 MS64
-R /opt/altroot
-- new_chk4patch 137204-31 for MS64: using pkg: SUNWmessaging-server-64
7.0,REV=2008.06.20
-- Exact match found in PATCHLIST
MS64 patch 137204-31 is already present.
-- chk4patch 118242-03 /tmp/.patchout_altroot_20140808182446.2676
DSSETUP -R /opt/altroot
-- new_chk4patch 118242-03 for DSSETUP: using pkg: SUNWcomds
6.3,REV=2004.08.12
-- Exact match found in PATCHLIST
DSSETUP patch 118242-03 is already present.
-- chk4patch 118245-26 /tmp/.patchout_altroot_20140808182446.2676
DSSETUP -R /opt/altroot
-- new_chk4patch 118245-26 for DSSETUP: using pkg: SUNWcomds
6.3,REV=2004.08.12
-- Exact match found in PATCHLIST
DSSETUP patch 118245-26 is already present.
-- chk4patch 142785-15 /tmp/.patchout_altroot_20140808182446.2676 DAV -R
/opt/altroot
-- new_chk4patch 142785-15 for DAV: using pkg: SUNWdavserver
7.0,REV=2009.08.27
-- Exact match found in PATCHLIST
DAV patch 142785-15 is already present.
-- chk4patch 148579-06 /tmp/.patchout_altroot_20140808182446.2676 IM -R
/opt/altroot
-- new_chk4patch 148579-06 for IM: using pkg: SUNWiimin
9.0,REV=2011.09.05
-- Exact match found in PATCHLIST
IM patch 148579-06 is already present.
-- chk4patch 142824-22 /tmp/.patchout_altroot_20140808182446.2676 JISS

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-R /opt/altroot
-- new_chk4patch 142824-22 for JISS: using pkg: SUNWjiss
1.0,REV=2009.09.09
-- Exact match found in PATCHLIST
JISS patch 142824-22 is already present.
-- chk4patch 124581-09 /tmp/.patchout_altroot_20140808182446.2676 DA -R
/opt/altroot
-- new_chk4patch 124581-09 for DA: using pkg: SUNWcommda
7.0,REV=2009.03.31
-- Exact match found in PATCHLIST
DA patch 124581-09 is already present.
-- chk4patch 137571-01 /tmp/.patchout_altroot_20140808182446.2676
IM_SCHA -R /opt/altroot
-- new_chk4patch 137571-01 for IM_SCHA: using pkg: SUNWiimsc
7.3,REV=2008.01.07.20.24.34
-- Exact match found in PATCHLIST
IM_SCHA patch 137571-01 is already present.
===== QQQ detectProducts =====
QQQ Dumper
!!! present
$VAR1 = {
  'IWC' => {
    '2.0' => 'DIFF_VERSION',
    '3.0' => 'PRESENT',
    '1.0' => 'DIFF_VERSION'
  },
  'SASL' => {
    '2.19' => 'PRESENT'
  },
  '119345-08' => 'PRESENT',
  'MS64_L10N' => {
    '6.3' => 'NOT_PRESENT'
  },
  '119725-06' => 'NOT_PRESENT',
  '119810-07' => 'NOT_PRESENT',
  'MS' => {
    '7.3_32' => 'NOT_PRESENT',
    '7.2_32' => 'NOT_PRESENT',
    '7.5_32' => 'NOT_PRESENT',
    '6.3_32' => 'NOT_PRESENT'
  },
  '137571-01' => 'PRESENT',
  '142785-15' => 'PRESENT',
  'DSSETUP' => {
    '6.4' => 'PRESENT'
  },
  '126868-04' => 'PRESENT',
  '119254-88' => 'PRESENT',
  '120900-04' => 'PRESENT',
  '119963-27' => 'PRESENT',
  'MQ_L10N' => {
    '4.3' => 'DIFF_VERSION',
    '3.7' => 'DIFF_VERSION',
    '4.1' => 'DIFF_VERSION',
    '4.4' => 'PRESENT'
  },
},

```

```

'ICU' => {
'ICU2,ICU3' => 'PRESENT'
},
'120272-28' => 'PRESENT',
'MS64' => {
'7.5' => 'PRESENT',
'7.3_32' => 'NOT_PRESENT',
'7.5_32' => 'NOT_PRESENT',
'7.2_32' => 'NOT_PRESENT',
'6.3' => 'DIFF_VERSION',
'6.3_32' => 'NOT_PRESENT'
},
'DAV' => {
'7.4' => 'PRESENT'
},
'LDAPCSDK6' => {
'6.0' => 'PRESENT'
},
'CE' => {
'6.3' => 'NOT_PRESENT'
},
'JDK' => {
'1.6.0' => 'NOT_PRESENT',
'1.5.0' => 'NOT_PRESENT'
},
'MYSQL' => {
'5.1.36' => 'NOT_PRESENT',
'5.5.8' => 'NOT_PRESENT'
},
'PATCHUTILS' => {
'Unknown' => 'PRESENT'
},
'MQ' => {
'4.3' => 'DIFF_VERSION',
'3.7' => 'DIFF_VERSION',
'4.1' => 'DIFF_VERSION',
'4.4' => 'PRESENT'
},
'124581-09' => 'PRESENT',
'125358-15' => 'PRESENT',
'CI' => {
'7.6' => 'PRESENT'
},
'IMAPI' => {
'8.0' => 'DIFF_VERSION',
'7.0' => 'DIFF_VERSION',
'7.3' => 'DIFF_VERSION',
'9.2' => 'PRESENT'
},
'137321-01' => 'PRESENT',
'LDAPCSDK6_TOOLS' => {
'6.0' => 'PRESENT'
},
'125136-66' => 'NOT_PRESENT',
'JISS' => {
'0.9' => 'NOT_PRESENT',

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'1.5' => 'PRESENT'
},
'NSS' => {
'4.8.9' => 'PRESENT'
},
'CS_L10N' => {
'6.2' => 'NOT_PRESENT',
'6.3' => 'NOT_PRESENT'
},
'ST' => {
'1.1.4' => 'PRESENT'
},
'IM' => {
'8.3' => 'DIFF_VERSION',
'7.0' => 'DIFF_VERSION',
'7.3' => 'DIFF_VERSION',
'9.2' => 'PRESENT'
},
'RECOMMENDED' => {
'2013.02.19' => 'PRESENT'
},
'137204-31' => 'PRESENT',
'IM_L10N' => {
'7.2' => 'NOT_PRESENT',
'7.0' => 'NOT_PRESENT'
},
'NAB' => {
'8.0' => 'PRESENT'
},
'136798-03' => 'PRESENT',
'125137-66' => 'NOT_PRESENT',
'148579-06' => 'PRESENT',
'148582-06' => 'PRESENT',
'CS_SCHA' => {
'6.0' => 'NOT_PRESENT',
'6.3' => 'NOT_PRESENT'
},
'LDAPJDK' => {
'4.21' => 'NOT_PRESENT'
},
'MYSQL_MARKER' => {
'1.1' => 'NOT_PRESENT',
'1.0' => 'NOT_PRESENT'
},
'BZIP' => {
'11.10' => 'PRESENT'
},
'142824-22' => 'PRESENT',
'IM_SCHA' => {
'7.0' => 'DIFF_VERSION',
'7.3' => 'PRESENT'
},
'MS_L10N' => {
'6.2' => 'NOT_PRESENT',
'6.3' => 'NOT_PRESENT'
},
},

```

```

'118245-26' => 'PRESENT',
'LIBCPLUSPLUS' => {
'5.9' => 'PRESENT'
},
'121133-02' => 'PRESENT',
'118242-03' => 'PRESENT',
'MS_SCHA' => {
'6.0' => 'NOT_PRESENT',
'7.0' => 'PRESENT'
},
'147147-26' => 'NOT_PRESENT',
'CS' => {
'6.3' => 'NOT_PRESENT'
},
'JHRT' => {
'2.0' => 'PRESENT'
},
'CE_L10N' => {
'6.2' => 'NOT_PRESENT',
'6.3' => 'NOT_PRESENT'
},
'DA' => {
'6.4' => 'NOT_PRESENT',
'7.0' => 'PRESENT'
}
};
!!! pkgparams
$VAR1 = {
'SUNWica5' => {},
'SUNWmsgja' => {},
'SUNWcomic' => {},
'SUNWservicetagu' => {
'1.1.4,REV=2008.03.21.07.54' => [
'SUNWservicetagu',
'/',
'1.1.4.1',
'',
[],
[],
'1.1.4,REV=2008.03.21.07.54'
]
},
'SUNWnabserver' => {
'8.0,REV=2014.05.22' => [
'SUNWnabserver',
'/nabserver',
'8.0-0.52',
'/opt/altroot',
[],
[],
'8.0,REV=2014.05.22'
]
},
'SUNWjimid' => {},
'SUNWdiquc' => {
'4.4,REV=2009.10.01.09.43.03' => [

```

```

'SUNWdiquc',
'/',
'4.4.1.0',
'/opt/altroot',
[],
[],
'4.4,REV=2009.10.01.09.43.03'
]
},
'SUNWmsgko' => {},
'SUNWics5' => {},
'SUNWmessaging-server-l10n-64' => {},
'SUNWiqlpl' => {},
'SUNWmsgco' => {},
'SUNWfiquc' => {
'4.4,REV=2009.10.01.09.42.16' => [
'SUNWfiquc',
'/',
'4.4.1.0',
'/opt/altroot',
[],
[],
'4.4,REV=2009.10.01.09.42.16'
]
},
'SUNWjiss-extjars' => {},
'SUNWjhdem' => {
'2.0,REV=2006.10.04' => [
'SUNWjhdem',
'/usr',
'2.0/FCS',
'/opt/altroot',
[],
[],
'2.0,REV=2006.10.04'
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},
'SUNWiqfs' => {
'4.4,REV=2009.08.27.08.33' => [
'SUNWiqfs',
'/',
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'/opt/altroot',
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'4.4,REV=2009.08.27.08.33'
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'SUNWfimid' => {},
'SUNWcomds' => {
'6.3,REV=2004.08.12' => [
'SUNWcomds',
'/dssetup',
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```

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'IM' => {
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'4.4,REV=2009.10.01.09.43.44',
'SUNWeiquc',
'4.4,REV=2009.10.01.09.43.47',
'SUNWkiqu',
'4.4,REV=2009.10.01.09.44.30',
'SUNWkiquc',
'4.4,REV=2009.10.01.09.44.32',
'SUNWciqu',
'4.4,REV=2009.10.01.09.46.01',
'SUNWciquc',
'4.4,REV=2009.10.01.09.46.03',
'SUNWhiqu',
'4.4,REV=2009.10.01.09.46.48',
'SUNWhiquc',
'4.4,REV=2009.10.01.09.46.50'
]
},
'ICU' => {
'ICU2,ICU3' => [
'SUNWicu',
'1.2,REV=2005.01.06.14.13'
]
},
'MS64' => {
'7.5' => [
'SUNWmessaging-server-64',
'7.0,REV=2008.06.20'
],
'7.3_32' => [],
'7.5_32' => [],
'7.2_32' => [
'SUNWmessaging-server',
'7.0,REV=2008.06.20'
],
'6.3' => [
'SUNWmessaging-server-64',
'6.3,REV=2007.02.26'
],
'6.3_32' => [
'SUNWmsgin',
'6.0,REV=2003.10.29',
'SUNWmsgen',
'6.0,REV=2003.10.29',
'SUNWmsglb',

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'6.0, REV=2003.10.29',
'SUNWmsgco',
'6.0, REV=2003.10.29',
'SUNWmsgmt',
'6.0, REV=2003.10.29',
'SUNWmsgst',
'6.0, REV=2003.10.29',
'SUNWmsgmp',
'6.0, REV=2003.10.29',
'SUNWmsgwm',
'6.0, REV=2003.10.29',
'SUNWmsgmf',
'6.0, REV=2003.10.29'
],
},
'DAV' => {
'7.4' => [
'SUNWdavserver',
'7.0, REV=2009.08.27'
],
},
'LDAPCSDK6' => {
'6.0' => [
'SUNWldapcsdk-libs',
'6.00, REV=2006.12.11.00.08',
'SUNWldapcsdk-dev',
'6.00, REV=2006.12.11.00.08'
],
},
'CE' => {
'6.3' => [
'SUNWuwc',
'6.1, REV=2004.04.29'
],
},
'JDK' => {
'1.6.0' => [
'SUNWj6rt',
'1.6.0, REV=2006.11.29.05.57',
'SUNWj6rtx',
'1.6.0, REV=2006.11.29.04.58',
'SUNWj6dev',
'1.6.0, REV=2006.11.29.05.57',
'SUNWj6dvx',
'1.6.0, REV=2006.11.29.04.58',
'SUNWj6cfg',
'1.6.0, REV=2006.11.29.05.57'
],
'1.5.0' => [
'SUNWj5rt',
'1.5.0, REV=2004.12.07.00.07',
'SUNWj5rtx',
'1.5.0, REV=2004.12.06.22.09',
'SUNWj5cfg',
'1.5.0, REV=2004.12.07.00.07'
]
]

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},
'MYSQL' => {
'5.1.36' => [
'mysql',
'5.1.36'
],
'5.5.8' => [
'mysql',
'5.5.8'
]
},
'MQ' => {
'4.3' => [
'SUNWiqr',
'4.3,REV=2008.11.07.18.44',
'SUNWiqu',
'4.3,REV=2008.11.07.18.44',
'SUNWiqdoc',
'4.3,REV=2008.11.07.18.44',
'SUNWiquc',
'4.3,REV=2008.11.07.18.44',
'SUNWiqum',
'4.3,REV=2008.11.07.18.44',
'SUNWiqjx',
'4.3,REV=2008.11.07.18.44',
'SUNWiqfs',
'4.3,REV=2008.11.07.18.44',
'SUNWiqcrt',
'4.3,REV=2008.11.07.18.44',
'SUNWiqcdv',
'4.3,REV=2008.11.07.18.44',
'SUNWiqlen',
'4.3,REV=2008.11.07.18.45'
],
'3.7' => [
'SUNWiqr',
'3.7,REV=2006.06.18.22.34',
'SUNWiqu',
'3.7,REV=2006.06.18.22.34',
'SUNWiqtpl',
'3.7,REV=2006.06.18.22.35',
'SUNWiqdoc',
'3.7,REV=2006.06.18.22.35',
'SUNWiquc',
'3.7,REV=2006.06.18.22.35',
'SUNWiqum',
'3.7,REV=2006.06.18.22.35',
'SUNWiqjx',
'3.7,REV=2006.06.18.22.35',
'SUNWiqfs',
'3.7,REV=2006.06.18.22.35',
'SUNWiqcrt',
'3.7,REV=2006.06.18.22.35',
'SUNWiqcdv',
'3.7,REV=2006.06.18.22.35',
'SUNWiqlen',

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'3.7,REV=2006.06.18.22.35'
],
'4.1' => [
'SUNWiqr',
'4.1,REV=2007.07.26.10.58',
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'4.1,REV=2007.07.26.10.58',
'SUNWiqdoc',
'4.1,REV=2007.07.26.10.58',
'SUNWiquc',
'4.1,REV=2007.07.26.10.59',
'SUNWiquum',
'4.1,REV=2007.07.26.10.59',
'SUNWiqjx',
'4.1,REV=2007.07.26.10.59',
'SUNWiqfs',
'4.1,REV=2007.07.26.10.59',
'SUNWiqcrt',
'4.1,REV=2007.07.26.10.59',
'SUNWiqcdv',
'4.1,REV=2007.07.26.10.59'
],
'4.4' => [
'SUNWiqr',
'4.4,REV=2009.08.27.08.32',
'SUNWiqu',
'4.4,REV=2009.08.27.08.32',
'SUNWiqdoc',
'4.4,REV=2009.08.27.08.32',
'SUNWiquc',
'4.4,REV=2009.08.27.08.33',
'SUNWiquum',
'4.4,REV=2009.08.27.08.33',
'SUNWiqjx',
'4.4,REV=2009.08.27.08.33',
'SUNWiqfs',
'4.4,REV=2009.08.27.08.33',
'SUNWiqcrt',
'4.4,REV=2009.08.27.08.33',
'SUNWiqcdv',
'4.4,REV=2009.08.27.08.33',
'SUNWiqlen',
'4.4,REV=2009.08.27.08.33'
]
},
'PATCHUTILS' => {
'Unknown' => [
'SUNWpkgcmdsu',
'11.11,REV=2005.01.09.23.05',
'SUNWswmt',
'11.10,REV=2005.01.10.17.19',
'SUNWinstall-patch-utils-root',
'11.10,REV=2005.01.09.23.05',
'SUNWcsr',
'11.10.0,REV=2005.01.21.15.53',
'SUNWdtrc',

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'11.10.0,REV=2005.01.21.15.53',
'SUNWzoneu',
'11.10.0,REV=2005.01.21.15.53'
]
},
'CI' => {
'7.6' => [
'SUNWcomms',
'7.6,REV=2014.07.01'
]
},
'IMAPI' => {
'8.0' => [
'SUNWiimdsv',
'8.0,REV=2008.12.04'
],
'7.0' => [
'SUNWiimdsv',
'7.0,REV=2004.11.24.05.24.36'
],
'7.3' => [
'SUNWiimdsv',
'7.3,REV=2008.01.15'
],
'9.2' => [
'SUNWiimdsv',
'9.0,REV=2011.09.05'
]
},
'LDAPCSDK6_TOOLS' => {
'6.0' => [
'SUNWldapcsdk-tools',
'6.00,REV=2006.12.11.00.08'
]
},
'JISS' => {
'0.9' => [
'SUNWjiss-common',
'1.0,REV=2009.08.17',
'SUNWjiss-conf',
'1.0,REV=2009.08.17',
'SUNWjiss-extjars',
'1.0,REV=2009.08.17',
'SUNWjiss-indexapi',
'1.0,REV=2009.08.17',
'SUNWjiss-jmqc',
'1.0,REV=2009.08.17',
'SUNWjiss-rest',
'1.0,REV=2009.08.17',
'SUNWjiss-search',
'1.0,REV=2009.08.17',
'SUNWjiss-searchui',
'1.0,REV=2009.08.17',
'SUNWjiss-store',
'1.0,REV=2009.08.17',
'SUNWjiss-storeui',

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'1.0,REV=2009.08.17'
],
'1.5' => [
'SUNwjiss',
'1.0,REV=2009.09.09'
]
},
'NSS' => {
'4.8.9' => [
'SUNWpr',
'4.6.4,REV=2006.11.16.20.40',
'SUNWprd',
'4.6.4,REV=2006.11.16.20.40',
'SUNWtls',
'3.11.4,REV=2006.11.16.20.40',
'SUNWtlsd',
'3.11.4,REV=2006.11.16.20.40',
'SUNWtlsu',
'3.11.4,REV=2006.11.16.20.40',
'SUNWjss',
'4.2.4,REV=2006.11.16.20.40'
]
},
'CS_L10N' => {
'6.2' => [
'SUNWdeics',
'6.0,REV=2003.11.14.15.16.33',
'SUNWesics',
'6.0,REV=2003.11.14.15.16.33',
'SUNWfrics',
'6.0,REV=2003.11.14.15.16.33',
'SUNWjaics',
'6.0,REV=2003.11.14.15.16.33',
'SUNWkoics',
'6.0,REV=2003.11.14.15.16.33',
'SUNWzhics',
'6.0,REV=2003.11.14.15.16.33',
'SUNWtwics',
'6.0,REV=2003.11.14.15.16.33'
],
'6.3' => [
'SUNWics-l10n',
'6.3,REV=2007.01.05.03.20.27'
]
},
'ST' => {
'1.1.4' => [
'SUNWservicetagr',
'1.1.4,REV=2008.03.21.07.54',
'SUNWservicetagu',
'1.1.4,REV=2008.03.21.07.54',
'SUNWstosreg',
'1.1.4,REV=2008.03.21.07.54'
]
},
'IM' => {

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'8.3' => [
'SUNWiim',
'8.0,REV=2008.12.04',
'SUNWiimin',
'8.0,REV=2008.12.04',
'SUNWiimm',
'8.0,REV=2008.12.04',
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'SUNWiimid',
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'SUNWiimc',
'8.0,REV=2008.12.04',
'SUNWiimd',
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'SUNWiimgw',
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],
'7.0' => [
'SUNWiimin',
'7.0,REV=2004.11.24.05.24.36',
'SUNWiim',
'7.0,REV=2004.11.24.05.24.36',
'SUNWiimm',
'7.0,REV=2004.11.24.05.24.36',
'SUNWiimjd',
'7.0,REV=2004.11.24.05.24.36',
'SUNWiimid',
'7.0,REV=2004.11.24.05.24.36',
'SUNWiimc',
'7.0,REV=2004.11.24.05.24.36',
'SUNWiimd',
'7.0,REV=2004.11.24.05.24.36'
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'SUNWiimm',
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'SUNWiimjd',
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'SUNWiimid',
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'SUNWiimc',
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'SUNWiimd',
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],
'9.2' => [
'SUNWiimin',
'9.0,REV=2011.09.05',
'SUNWiim',
'9.0,REV=2011.09.05',
'SUNWiimm',

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'9.0,REV=2011.09.05',
'SUNWiimjd',
'9.0,REV=2011.09.05',
'SUNWiimid',
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'SUNWiimgw',
'9.0,REV=2011.09.05',
'SUNWiimw',
'9.0,REV=2011.09.05',
'SUNWiimfed',
'9.0,REV=2011.09.05'
]
},
'RECOMMENDED' => {
'2013.02.19' => [
'SUNWckr',
'11.10.0,REV=2005.01.21.15.53',
'SUNWbzip',
'11.10.0,REV=2005.01.08.05.16',
'SUNWpkgcmdsu',
'11.11,REV=2005.01.09.23.05'
]
},
'IM_L10N' => {
'7.2' => [
'SUNWiimc-l10n',
'7.2,REV=2006.12.19.04.40.00',
'SUNWiimd-l10n',
'7.2,REV=2006.10.26.04.19.15',
'SUNWiimid-l10n',
'7.2,REV=2006.10.26.04.19.19',
'SUNWiimin-l10n',
'7.2,REV=2006.10.26.04.19.22'
],
'7.0' => [
'SUNWdiimc',
'7.0,REV=2004.11.24.05.29',
'SUNWdiimd',
'7.0,REV=2004.11.24.05.29',
'SUNWdimid',
'7.0,REV=2004.11.24.05.29',
'SUNWeiimc',
'7.0,REV=2004.11.24.05.29',
'SUNWeiimd',
'7.0,REV=2004.11.24.05.29',
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'SUNWeimid',
'7.0,REV=2004.11.24.05.29',
'SUNWfiimc',
'7.0,REV=2004.11.24.05.30',
'SUNWfiimd',
'7.0,REV=2004.11.24.05.30',
'SUNWfiimin',
'7.0,REV=2004.11.24.05.30',
'SUNWfimid',

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'7.0,REV=2004.11.24.05.30',
'SUNWjiimc',
'7.0,REV=2004.11.24.05.26',
'SUNWjiimd',
'7.0,REV=2004.11.24.05.26',
'SUNWjiimin',
'7.0,REV=2004.11.24.05.26',
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'SUNWkiimd',
'7.0,REV=2004.11.24.05.27',
'SUNWkiimin',
'7.0,REV=2004.11.24.05.26',
'SUNWkimid',
'7.0,REV=2004.11.24.05.27',
'SUNWciimc',
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'SUNWciimd',
'7.0,REV=2004.11.24.05.27',
'SUNWciimin',
'7.0,REV=2004.11.24.05.27',
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'SUNWhiimc',
'7.0,REV=2004.11.24.05.28',
'SUNWhiimd',
'7.0,REV=2004.11.24.05.28',
'SUNWhiimin',
'7.0,REV=2004.11.24.05.28',
'SUNWhimid',
'7.0,REV=2004.11.24.05.28'
]
},
'NAB' => {
'8.0' => [
'SUNWnabserver',
'8.0,REV=2014.05.22'
]
},
'CS_SCHA' => {
'6.0' => [
'SUNWscics',
'6.0,REV=2003.11.14'
],
'6.3' => [
'SUNWscics',
'6.3,REV=2008.03.31.18.10.20'
]
},
'LDAPJDK' => {
'4.21' => [
'SUNWljdk',
'1.0,REV=2004.10.11.06.02'
]
}

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},
'BZIP' => {
'11.10' => [
'SUNwbzip',
'11.10.0,REV=2005.01.08.05.16'
]
},
'MYSQL_MARKER' => {
'1.1' => [
'SUNWcomms-mysql-marker',
'1.1,REV=2011.09.09'
],
'1.0' => [
'SUNWcomms-mysql-marker',
'1.0,REV=2009.09.09'
]
},
'IM_SCHA' => {
'7.0' => [
'SUNWiimsc',
'7.0,REV=2005.08.03.09.41.41'
],
'7.3' => [
'SUNWiimsc',
'7.3,REV=2008.01.07.20.24.34'
]
},
'MS_L10N' => {
'6.2' => [
'SUNWmsgde',
'6.0,REV=2003.10.10',
'SUNWmsges',
'6.0,REV=2003.10.10',
'SUNWmsgfr',
'6.0,REV=2003.10.10',
'SUNWmsgja',
'6.0,REV=2003.10.10',
'SUNWmsgko',
'6.0,REV=2003.10.10',
'SUNWmsgzh',
'6.0,REV=2003.10.10',
'SUNWmsgtw',
'6.0,REV=2003.10.10'
],
'6.3' => [
'SUNWmsg-l10n',
'6.3,REV=2006.12.20'
]
},
'LIBCPLUSPLUS' => {
'5.9' => [
'SUNWlibc',
'5.10,REV=2004.12.22'
]
},
'MS_SCHA' => {

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'6.0' => [
'SUNWscims',
'6.0,REV=2003.10.29'
],
'7.0' => [
'SUNWmessaging-server-scha',
'7.0,REV=2008.05.19'
]
},
'CS' => {
'6.3' => [
'SUNWics5',
'6.0,REV=2003.11.14.18.12.58',
'SUNWica5',
'6.0,REV=2003.11.14.18.12.58'
]
},
'JHRT' => {
'2.0' => [
'SUNWjhrt',
'2.0,REV=2006.10.31',
'SUNWjhdev',
'2.0,REV=2006.10.04',
'SUNWjhdem',
'2.0,REV=2006.10.04',
'SUNWjhdoc',
'2.0,REV=2006.10.04'
]
},
'CE_L10N' => {
'6.2' => [
'SUNWduwc',
'6.1,REV=2004.04.23',
'SUNWeuwc',
'6.1,REV=2004.04.23',
'SUNWfuwc',
'6.1,REV=2004.04.23',
'SUNWjuwc',
'6.1,REV=2004.04.23',
'SUNWkuwc',
'6.1,REV=2004.04.23',
'SUNWcuwc',
'6.1,REV=2004.04.23',
'SUNWhuwc',
'6.1,REV=2004.04.23'
],
'6.3' => [
'SUNWuwc-l10n',
'6.1,REV=2006.12.14.03.02.41'
]
},
'DA' => {
'6.4' => [
'SUNWcomic',
'1.0,REV=2003.10.29',
'SUNWcomis',

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'1.0,REV=2003.10.29'
],
'7.0' => [
'SUNWcommda',
'7.0,REV=2009.03.31'
]
}
};
===== End QQQ detectProducts =====
=====
Product Selection:

Communication Products:

Item Description
-----
1 Messaging Server (64bit) 7.0.5.31.0
Installed Version at /opt/altroot/messaging64
2 Comms DSsetup 6.4.0.26.0
Installed Version at /opt/altroot/dssetup
3 Calendar Server 7.0.4.15.0
Installed Version at /opt/altroot/davserver
4 Instant Messaging 9.0.2.6.0
Installed Version at /opt/altroot/im
5 Convergence 3.0.0.1.0
Installed Version at /opt/altroot/iwc
6 Indexing and Search Service 1.0.5.22.0
Installed Version at /opt/altroot/jiss
7 Comms Delegated Administrator 7.0.0.9.0
Installed Version at /opt/altroot/da
8 Messaging Server Sun Cluster HA agent 7.0 (7.0-0.03)
Installed Version at /opt/altroot/msg_scha
9 Instant Messaging Sun Cluster HA agent 7.3 (7.3-01.02)
Installed Version at /opt/altroot/im_scha
10 Contacts Server 8.0.0.0.0
Installed Version at /opt/altroot/nabserver

Enter the items you wish to uninstall. Enter q to quit.
You can enter multiple items using commas to separate them.
For example: 1,2

Please select the products you wish to uninstall [1, 2, 3, 4, 5, 6, 7,
8, 9, 10]:
=====
QQQ selections: MS64 7.5 DSSETUP 6.4 DAV 7.4 IM 9.2 IWC 3.0 JISS 1.5 DA
7.0 MS_SCHA 7.0 IM_SCHA 7.3 NAB 8.0
WILL UNINSTALL: Messaging Server (64bit) 7.0.5.31.0
at /opt/altroot/messaging64
Task: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.
-R /opt/altroot SUNWmessaging-server-64
WILL UNINSTALL: Comms DSsetup 6.4.0.26.0
at /opt/altroot/dssetup
Task: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.
-R /opt/altroot SUNWcomds

```

```

WILL UNINSTALL: Calendar Server 7.0.4.15.0
at /opt/altroot/davserver
Task: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.5
-R /opt/altroot SUNWdavserver
WILL UNINSTALL: Instant Messaging 9.0.2.6.0
at /opt/altroot/im
Task: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.5
-R /opt/altroot SUNWiimfed
Task: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.5
-R /opt/altroot SUNWiimw
Task: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.5
-R /opt/altroot SUNWiimgw
Task: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.5
-R /opt/altroot SUNWiimid
Task: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.5
-R /opt/altroot SUNWiimjd
Task: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.5
-R /opt/altroot SUNWiimm
Task: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.5
-R /opt/altroot SUNWiim
Task: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.5
-R /opt/altroot SUNWiimin
WILL UNINSTALL: Convergence 3.0.0.1.0
at /opt/altroot/iwc
Task: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.5
-R /opt/altroot SUNWiwc
WILL UNINSTALL: Indexing and Search Service 1.0.5.22.0
at /opt/altroot/jiss
Task: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.5
-R /opt/altroot SUNWjiss
WILL UNINSTALL: Comms Delegated Administrator 7.0.0.9.0
at /opt/altroot/da
Task: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.5
-R /opt/altroot SUNWcommda
WILL UNINSTALL: Messaging Server Sun Cluster HA agent 7.0 (7.0-0.03)
at /opt/altroot/msg_scha
Task: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.5
-R /opt/altroot SUNWmessaging-server-scha
WILL UNINSTALL: Instant Messaging Sun Cluster HA agent 7.3 (7.3-01.02)
at /opt/altroot/im_scha
Task: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.5
-R /opt/altroot SUNWiimsc

```



```

WILL UNINSTALL: Contacts Server 8.0.0.0.0
at /opt/altroot/nabserver
Task: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.
-R /opt/altroot SUNWnabserver
=====
Ready to uninstall

Do you want to continue ? [yes] :

=====
Uninstalling Messaging Server (64bit) 7.0.5.31.0 at
/opt/altroot/messaging64)...
----- Executing Task 1 of 17 ...
pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.
-R /opt/altroot SUNWmessaging-server-64 2>&1

Removal of <SUNWmessaging-server-64> was successful.
-- Exit status: 0

=====
Uninstalling Comms DSsetup 6.4.0.26.0 at /opt/altroot/dssetup)...
----- Executing Task 2 of 17 ...
pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.
-R /opt/altroot SUNWcomds 2>&1

Removal of <SUNWcomds> was successful.
-- Exit status: 0

=====
Uninstalling Calendar Server 7.0.4.15.0 at /opt/altroot/davserver)...
----- Executing Task 3 of 17 ...
pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.
-R /opt/altroot SUNWdavserver 2>&1

Removal of <SUNWdavserver> was successful.
-- Exit status: 0

=====
Uninstalling Instant Messaging 9.0.2.6.0 at /opt/altroot/im)...
----- Executing Task 4 of 17 ...
pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.
-R /opt/altroot SUNWiimfed 2>&1

Removal of <SUNWiimfed> was successful.
-- Exit status: 0
----- Executing Task 5 of 17 ...
pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.
-R /opt/altroot SUNWiimw 2>&1

Removal of <SUNWiimw> was successful.

```

```

-- Exit status: 0
----- Executing Task 6 of 17 ...
pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/..
-R /opt/altroot SUNWiimgw 2>&1

Removal of <SUNWiimgw> was successful.
-- Exit status: 0
----- Executing Task 7 of 17 ...
pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/..
-R /opt/altroot SUNWiimid 2>&1

Removal of <SUNWiimid> was successful.
-- Exit status: 0
----- Executing Task 8 of 17 ...
pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/..
-R /opt/altroot SUNWiimjd 2>&1

Removal of <SUNWiimjd> was successful.
-- Exit status: 0
----- Executing Task 9 of 17 ...
pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/..
-R /opt/altroot SUNWiimm 2>&1

Removal of <SUNWiimm> was successful.
-- Exit status: 0
----- Executing Task 10 of 17 ...
pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/..
-R /opt/altroot SUNWiim 2>&1
Configuration file /opt/altroot/im/sbin/../../config/iim.conf is missing,
exiting
Shutting down IM services..
Configuration file /opt/altroot/im/sbin/../../config/iim.conf is missing,
exiting

Removal of <SUNWiim> was successful.
-- Exit status: 0
----- Executing Task 11 of 17 ...
pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/..
-R /opt/altroot SUNWiimin 2>&1

Removal of <SUNWiimin> was successful.
-- Exit status: 0

=====
Uninstalling Convergence 3.0.0.1.0 at /opt/altroot/iwc)...
----- Executing Task 12 of 17 ...
pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/..
-R /opt/altroot SUNWiwc 2>&1

```

```

Removal of <SUNWiwc> was successful.
-- Exit status: 0

=====
Uninstalling Indexing and Search Service 1.0.5.22.0 at
/opt/altroot/jiss)...
----- Executing Task 13 of 17 ...
pkgmgr -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/..
-R /opt/altroot SUNWjiss 2>&1

Removal of <SUNWjiss> was successful.
-- Exit status: 0

=====
Uninstalling Comms Delegated Administrator 7.0.0.9.0 at
/opt/altroot/da)...
----- Executing Task 14 of 17 ...
pkgmgr -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/..
-R /opt/altroot SUNWcommda 2>&1

Removal of <SUNWcommda> was successful.
-- Exit status: 0

=====
Uninstalling Messaging Server Sun Cluster HA agent 7.0 (7.0-0.03) at
/opt/altroot/msg_scha)...
----- Executing Task 15 of 17 ...
pkgmgr -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/..
-R /opt/altroot SUNWmessaging-server-scha 2>&1

Removal of <SUNWmessaging-server-scha> was successful.
-- Exit status: 0

=====
Uninstalling Instant Messaging Sun Cluster HA agent 7.3 (7.3-01.02) at
/opt/altroot/im_scha)...
----- Executing Task 16 of 17 ...
pkgmgr -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/..
-R /opt/altroot SUNWiimsc 2>&1

Removal of <SUNWiimsc> was successful.
-- Exit status: 0

=====
Uninstalling Contacts Server 8.0.0.0.0 at /opt/altroot/nabserver)...
----- Executing Task 17 of 17 ...
pkgmgr -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/..
-R /opt/altroot SUNWnabserver 2>&1

Removal of <SUNWnabserver> was successful.
-- Exit status: 0

```

```

=====
SUMMARY:

PASSED: Task 1: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-R /opt/altroot SUNWmessaging-server-64
PASSED: Task 2: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-R /opt/altroot SUNWcomds
PASSED: Task 3: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-R /opt/altroot SUNWdavserver
PASSED: Task 4: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-R /opt/altroot SUNWiimfed
PASSED: Task 5: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-R /opt/altroot SUNWiimw
PASSED: Task 6: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-R /opt/altroot SUNWiimgw
PASSED: Task 7: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-R /opt/altroot SUNWiimid
PASSED: Task 8: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-R /opt/altroot SUNWiimjd
PASSED: Task 9: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-R /opt/altroot SUNWiimm
PASSED: Task 10: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-R /opt/altroot SUNWiim
PASSED: Task 11: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-R /opt/altroot SUNWiimin
PASSED: Task 12: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-R /opt/altroot SUNWiwc
PASSED: Task 13: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-R /opt/altroot SUNWjiss
PASSED: Task 14: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-R /opt/altroot SUNWcommda
PASSED: Task 15: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-R /opt/altroot SUNWmessaging-server-scha
PASSED: Task 16: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-R /opt/altroot SUNWiimsc
PASSED: Task 17: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76/.i
-R /opt/altroot SUNWnabserver

All tasks PASSED

```

```

Checking JES java symlink...
ls -l /usr/jdk /usr/java 2>&1
lrwxrwxrwx 1 root other 15 Nov 6 2013 /usr/java -> jdk/jdk1.6.0_26

/usr/jdk:
total 10
drwxr-xr-x 4 root bin 4 Jun 12 2012 instances
lrwxrwxrwx 1 root other 7 Jun 12 2012 j2sdk1.4.2_32 -> ../j2se
lrwxrwxrwx 1 root other 18 Feb 26 2013 jdk1.5.0_12 -> instances/jdk1.5.0
lrwxrwxrwx 1 root other 18 Nov 6 2013 jdk1.6.0_26 -> instances/jdk1.6.0
lrwxrwxrwx 1 root other 11 Nov 6 2013 latest -> jdk1.6.0_26
drwxr-xr-x 8 root bin 8 Nov 6 2013 packages
-- Exit status: 0
ls -l /usr/jdk/entsys-j2se /usr/jdk/latest 2>&1
/usr/jdk/entsys-j2se: No such file or directory
lrwxrwxrwx 1 root other 11 Nov 6 2013 /usr/jdk/latest -> jdk1.6.0_26
-- Exit status: 2
ls -lL /usr/jdk/entsys-j2se /usr/jdk/latest 2>&1
/usr/jdk/entsys-j2se: No such file or directory
/usr/jdk/latest:
total 38080
-rw-r--r-- 1 root bin 3339 May 4 2011 COPYRIGHT
-rw-r--r-- 1 root bin 40 May 4 2011 LICENSE
-rw-r--r-- 1 root bin 115 May 4 2011 README.html
-rw-r--r-- 1 root bin 20320 Nov 29 2006 README_ja.html
-rw-r--r-- 1 root bin 15160 Nov 29 2006 README_zh_CN.html
-rw-r--r-- 1 root bin 183173 May 4 2011 THIRDPARTYLICENSEREADME.txt
drwxr-xr-x 3 root bin 49 Nov 6 2013 bin
drwxr-xr-x 11 root bin 12 Jun 12 2012 demo
drwxr-xr-x 3 root bin 8 Nov 6 2013 include
drwxr-xr-x 6 root bin 11 Nov 6 2013 jre
drwxr-xr-x 3 root bin 11 Nov 6 2013 lib
drwxr-xr-x 6 root bin 6 Jun 12 2012 man
-r--r--r-- 1 root other 6646 Nov 6 2013 register.html
-r--r--r-- 1 root other 8092 Nov 6 2013 register_ja.html
-r--r--r-- 1 root other 6249 Nov 6 2013 register_zh_CN.html
drwxr-xr-x 10 root bin 10 Jun 12 2012 sample
-rw-r--r-- 1 root bin 19103364 May 4 2011 src.zip
-- Exit status: 2
INFO: no update to /etc/softlist.xml required

Hit Return to Continue:
=====
-- unlink /tmp/.patchout_20140808182446.2676
-- unlink /tmp/.patchout_altroot_20140808182446.2676
mkdir -p /opt/altroot/var/opt/CommsInstaller/logs 2>&1
-- Exit status: 0

NOTICE: silent file created in:
/opt/altroot/var/opt/CommsInstaller/logs/silent_CommsInstaller_201408081824
Closing the log at Fri Aug 8 18:25:00 2014
[582 Fri Aug 08 18:25:19 root@host% /home/user/wspace/releases/ci76# ]
# ./commpkg info --verbose
-- LOGFILE: /tmp/CommsInstaller_20140808182525.log
CommsInstaller version 7.0.6.0.0 (7.6-0.10) built on Tue Jul 1 21:57:57
PDT 2014

```

```

=====
Detecting Installed Products...
Detecting Installed Patches...
NOTICE: The OS Recommended Patch Cluster (as of 2013.02.19)
has not been applied. Specifically the following
patches are missing:
147147-26
NOTICE: It is highly recommended that you apply the
latest OS Recommended Patch Cluster. commpkg will
not do this automatically.
ALTRoot: /
NAME: ""

=====
Detecting Installed Products...
Detecting Installed Patches...
NOTICE: The OS Recommended Patch Cluster (as of 2013.02.19)
has not been applied. Specifically the following
patches are missing:
147147-26
NOTICE: It is highly recommended that you apply the
latest OS Recommended Patch Cluster. commpkg will
not do this automatically.
ALTRoot: /opt/altroot
NAME: <none>

[583 Fri Aug 08 18:25:35 root@host% /home/user/wspace/releases/ci76# ]
# cat /etc/softlist.xml
<?xml version="1.0" encoding="utf-8"?>
<!-- Do not edit! This file is automatically generated. -->
<!-- Last Update: Fri Aug 8 18:23:36 PDT 2014 -->
<!-- By:
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76
./commpkg -->

<multi-inst-list>
<install name="" root="/" suite="comms" />
<install root="/opt/altroot" suite="comms" />
</multi-inst-list>
[584 Fri Aug 08 18:25:39 root@host% /home/user/wspace/releases/ci76# ]
# ls /opt/altroot
total 48
3 CommsInstaller/ 3 im/ 3 nabserver/
3 da/ 3 im_scha/ 3 opt/
3 davserver/ 3 iwc/ 3 usr/
3 directory/ 3 jiss/ 3 var/
3 dssetup/ 3 messaging64/
3 etc/ 3 msg_scha/
[585 Fri Aug 08 18:25:46 root@host% /home/user/wspace/releases/ci76# ]
# \rm -rf /opt/altroot
[586 Fri Aug 08 18:25:50 root@host% /home/user/wspace/releases/ci76# ]
# ./commpkg info
-- LOGFILE: /tmp/CommsInstaller_20140808182553.log
CommsInstaller version 7.0.6.0.0 (7.6-0.10) built on Tue Jul 1 21:57:57
PDT 2014
=====

```

```

Detecting Installed Products...
Detecting Installed Patches...
NOTICE: The OS Recommended Patch Cluster (as of 2013.02.19)
has not been applied. Specifically the following
patches are missing:
147147-26
NOTICE: It is highly recommended that you apply the
latest OS Recommended Patch Cluster. commpkg will
not do this automatically.
ALTRoot: /
NAME: ""

INFO: /opt/altroot does not exist
=====
INFO: /etc/softlist.xml updated
[587 Fri Aug 08 18:26:00 root@host% /home/user/wspace/releases/ci76# ]
# cat /etc/softlist.xml
<?xml version="1.0" encoding="utf-8"?>
<!-- Do not edit! This file is automatically generated. -->
<!-- Last Update: Fri Aug 8 18:26:00 PDT 2014 -->
<!-- By:
/net/comms-nfs.host1.example.com/export/megan/wspace/user2/releases/ci76
./commpkg -->

<multi-inst-list>
<install name="" root="/" suite="comms" />

```

```
</multi-inst-list>
```

```
[588 Fri Aug 08 18:26:01 root@host% /home/user/wspace/releases/ci76# ]
```


Sample Session - Communications Suite 7.0.6 Simple Install and Uninstall

Sample Session - Oracle Communications Unified Communications Suite 7.0.6 Simple Install and Uninstall

This sample session performs a "simple" install and uninstall of Communications Suite by running the Communications Suite installer, `commpkg`.

This document shows the use of `commpkg info` to check what is installed, `commpkg install` to install all the products, and `commpkg uninstall` to uninstall all the products. It contains the following topics:

- [Summary of Commands Run](#)
- [Session](#)

Summary of Commands Run

```
519 uname -a
520 ./commpkg info
521 ./commpkg --OSversionOverride install
522 cat /var/opt/CommsInstaller/logs/undoCommsInstall_20140808173158
523 cat
/var/opt/CommsInstaller/logs/silent_CommsInstaller_20140808173158
524 cat /var/opt/CommsInstaller/logs/CommsInstaller_20140808173158.log
525 ./commpkg info
526 ./commpkg info verbose
527 ls -l /opt/sun/comms
528 ./commpkg uninstall
529 cat
/var/opt/CommsInstaller/logs/silent_CommsInstaller_20140808173417
530 cat /var/opt/CommsInstaller/logs/CommsInstaller_20140808173417.log
```

Session

```
[519 Fri Aug 08 17:31:42 root@host% /home/user/wspace/releases/ci76# ]
# uname -a
SunOS host 5.10 Generic_147440-12 sun4v sparc sun4v
[520 Fri Aug 08 17:31:44 root@host% /home/user/wspace/releases/ci76# ]
# ./commpkg info
-- LOGFILE: /tmp/CommsInstaller_20140808173147.log
CommsInstaller version 7.0.6.0.0 (7.6-0.10) built on Tue Jul 1 21:57:57
PDT 2014
=====
Detecting Installed Products...
NOTICE: CommsInstaller is present with a different pkg VERSION.
Detecting Installed Patches...
NOTICE: The OS Recommended Patch Cluster (as of 2013.02.19)
has not been applied. Specifically the following
patches are missing:
```

```

147147-26
NOTICE: It is highly recommended that you apply the
latest OS Recommended Patch Cluster. commpkg will
not do this automatically.
ALROOT: /
NAME: ""

[521 Fri Aug 08 17:31:56 root@host% /home/user/wspace/releases/ci76# ]
# ./commpkg --OSversionOverride install
-- LOGFILE: /tmp/CommsInstaller_20140808173158.log
CommsInstaller version 7.0.6.0.0 (7.6-0.10) built on Tue Jul 1 21:57:57
PDT 2014

Welcome to the Oracle Communications Unified Communications Suite
Product Installer
This program will install selected components of the Communications
Suite
on your computer. Do note that the installer lays down the
bits, but does not do configuration. Separate configuration
steps for each individual product will be required.

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Use is subject to license terms.

=====
Specify Install Location

This program will extract the server files and install them
into a directory you specify. That directory is called the
INSTALLROOT in the product documentation and will contain
the server programs.

To accept the default shown in brackets, press the Enter key.

Install location [/opt/sun/comms]:
-- /opt/sun/comms already exists, existing data may be overwritten
Accept Anyway? [yes] :
=====
Detecting Installed Products...
NOTICE: CommsInstaller is present with a different pkg VERSION.
Detecting Installed Patches...
NOTICE: The OS Recommended Patch Cluster (as of 2013.02.19)
has not been applied. Specifically the following
patches are missing:
147147-26
NOTICE: You must apply the latest OS Recommended Patchset
Some products will not work properly without it
Do you want to continue ? [no] : yes
=====
Product Selection:

Shared Components (not shown) will be installed as required.
you will be prompted later if Shared Components need to be upgraded.
OS patches (not shown) will be installed as required.

```

Communication Products:

Item Description

- 1 Messaging Server (64bit) 7.0.5.31.0
- 2 Comms DSsetup 6.4.0.26.0
- 3 Calendar Server 7.0.4.15.0
- 4 Instant Messaging 9.0.2.6.0
- 5 Convergence 3.0.0.1.0
- 6 Indexing and Search Service 1.0.5.22.0
- 7 Comms Delegated Administrator 7.0.0.9.0
- 8 Contacts Server 8.0.0.0.0
- 9 Messaging Server Sun Cluster HA agent 7.0 (7.0-0.03)
- 10 Instant Messaging Sun Cluster HA agent 7.3 (7.3-01.02)

Enter the items you wish to install. Enter q to quit.
Prefix an item with ~ to indicate you only want
to install shared component dependencies of that product
You can enter multiple items using commas to separate them.
For example: 1,2

Please select the products you wish to install [1, 2, 3, 4, 5, 6, 7, 8,
9, 10]:

=====

Generating list of things to install...

Checking for Shared Component Upgrade Requirements...

WARNING: JDK requires an upgrade for patches 125136-66 125137-66

Description: Java Development Kit

Product Version: 1.6.0

The distro does not contain the patches

Please obtain and apply them separately

=====

WARNING: JDK will NOT be upgraded...

Products may not work properly.

WILL INSTALL: Messaging Server (64bit) 7.0.5.31.0

to /opt/sun/comms/messaging64

WILL INSTALL: Comms DSsetup 6.4.0.26.0

to /opt/sun/comms/dssetup

WILL INSTALL: Calendar Server 7.0.4.15.0

to /opt/sun/comms/davserver

WILL INSTALL: Instant Messaging 9.0.2.6.0

to /opt/sun/comms/im

WILL INSTALL: Convergence 3.0.0.1.0

to /opt/sun/comms/iwc

WILL INSTALL: Indexing and Search Service 1.0.5.22.0

to /opt/sun/comms/jiss

WILL INSTALL: Comms Delegated Administrator 7.0.0.9.0

to /opt/sun/comms/da

WILL INSTALL: Contacts Server 8.0.0.0.0

to /opt/sun/comms/nabserver

WILL INSTALL: Messaging Server Sun Cluster HA agent 7.0 (7.0-0.03)

to /opt/sun/comms/msg_scha

WILL INSTALL: Instant Messaging Sun Cluster HA agent 7.3 (7.3-01.02)

to /opt/sun/comms/im_scha

```

NOTICE: CommsInstaller will be upgraded...
Removing the old version is an irreversible process.
WILL REMOVE EXISTING: CommsInstaller 7.0.6.0.0
WILL INSTALL: CommsInstaller 7.0.6.0.0
to /opt/sun/comms/CommsInstaller
=====
Ready to install

Do you want to continue ? [yes] :

=====
Installing Messaging Server (64bit) 7.0.5.31.0...
----- Executing Task 1 of 19 ...

=====
Installing Comms DSsetup 6.4.0.26.0...
----- Executing Task 2 of 19 ...

=====
Installing Calendar Server 7.0.4.15.0...
----- Executing Task 3 of 19 ...

=====
Installing Instant Messaging 9.0.2.6.0...
----- Executing Task 4 of 19 ...
----- Executing Task 5 of 19 ...
----- Executing Task 6 of 19 ...
----- Executing Task 7 of 19 ...
----- Executing Task 8 of 19 ...
----- Executing Task 9 of 19 ...
----- Executing Task 10 of 19 ...
----- Executing Task 11 of 19 ...

=====
Installing Convergence 3.0.0.1.0...
----- Executing Task 12 of 19 ...

=====
Installing Indexing and Search Service 1.0.5.22.0...
----- Executing Task 13 of 19 ...

=====
Installing Comms Delegated Administrator 7.0.0.9.0...
----- Executing Task 14 of 19 ...

=====
Installing Contacts Server 8.0.0.0.0...
----- Executing Task 15 of 19 ...

=====
Installing Messaging Server Sun Cluster HA agent 7.0 (7.0-0.03)...
----- Executing Task 16 of 19 ...

=====
Installing Instant Messaging Sun Cluster HA agent 7.3 (7.3-01.02)...
----- Executing Task 17 of 19 ...

```

```

=====
Removing existing CommsInstaller 7.0.6.0.0...
----- Executing Task 18 of 19 ...

=====
Installing CommsInstaller 7.0.6.0.0...
----- Executing Task 19 of 19 ...
=====
SUMMARY:

All tasks PASSED
Checking JES java symlink...
INFO: no update to /etc/softlist.xml required

Hit Return to Continue:
=====

NOTICE: To undo the installation, run the commands in:
/var/opt/CommsInstaller/logs/undoCommsInstall_20140808173158

NOTICE: silent file created in:
/var/opt/CommsInstaller/logs/silent_CommsInstaller_20140808173158
NOTICE: LOGFILE created in:
/var/opt/CommsInstaller/logs/CommsInstaller_20140808173158.log
There were 2 Warning(s). Please consult the log file
[522 Fri Aug 08 17:33:06 root@host% /home/user/wspace/releases/ci76# ]
# cat /var/opt/CommsInstaller/logs/undoCommsInstall_20140808173158
#!/bin/sh
# Note that only tasks that PASSED are undone
# For reference, tasks that FAILED or are irreversible are in comments
# WARNING WARNING WARNING
# Executing irreversible tasks may result in a non-functional system!!!
ADMIN=/var/opt/CommsInstaller/logs/admin.quiet
set -v
# no undo for removal of SUNWcomms
#####
# Finished Undo of: Installing CommsInstaller 7.0.6.0.0...
#####
#####
# Finished Undo of: Removing existing CommsInstaller 7.0.6.0.0...
#####
pkgrm -n -a $ADMIN SUNWiimsc
#####
# Finished Undo of: Installing Instant Messaging Sun Cluster HA agent
7.3 (7.3-01.02)...
#####
pkgrm -n -a $ADMIN SUNWmessaging-server-scha
#####
# Finished Undo of: Installing Messaging Server Sun Cluster HA agent 7.0
(7.0-0.03)...
#####
pkgrm -n -a $ADMIN SUNWnabserver
#####
# Finished Undo of: Installing Contacts Server 8.0.0.0.0...

```

```
#####
pkgrm -n -a $ADMIN SUNWcommda
#####
# Finished Undo of: Installing Comms Delegated Administrator
7.0.0.9.0...
#####
pkgrm -n -a $ADMIN SUNWjiss
#####
# Finished Undo of: Installing Indexing and Search Service 1.0.5.22.0...
#####
pkgrm -n -a $ADMIN SUNWiwc
#####
# Finished Undo of: Installing Convergence 3.0.0.1.0...
#####
pkgrm -n -a $ADMIN SUNWiimfed
pkgrm -n -a $ADMIN SUNWiimw
pkgrm -n -a $ADMIN SUNWiimgw
pkgrm -n -a $ADMIN SUNWiimid
pkgrm -n -a $ADMIN SUNWiimjd
pkgrm -n -a $ADMIN SUNWiimm
pkgrm -n -a $ADMIN SUNWiim
pkgrm -n -a $ADMIN SUNWiimin
#####
# Finished Undo of: Installing Instant Messaging 9.0.2.6.0...
#####
pkgrm -n -a $ADMIN SUNWdavserver
#####
# Finished Undo of: Installing Calendar Server 7.0.4.15.0...
#####
pkgrm -n -a $ADMIN SUNWcomds
#####
# Finished Undo of: Installing Comms DSsetup 6.4.0.26.0...
#####
pkgrm -n -a $ADMIN SUNWmessaging-server-64
#####
# Finished Undo of: Installing Messaging Server (64bit) 7.0.5.31.0...
#####
[523 Fri Aug 08 17:33:21 root@host% /home/user/wspace/releases/ci76# ]
# cat /var/opt/CommsInstaller/logs/silent_CommsInstaller_20140808173158
#
# Silent File for CommsInstaller 7.0.6.0.0 (7.6-0.10)
# Generated on 20140808173158
#
#
# verb used to create this silent file
#
VERB=install

#
# alternate distro path if not found where compkg resides
# and no --distro switch specified is
#
ALTDISTROPATH=/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122
The installation root
#
```

```

INSTALLROOT=/opt/sun/comms

#
# flag to indicate whether to use alternate root install mode
#
ALTRoot=no

#
# flag to indicate whether to perform pkg overwrite if the pkg already
exists
#
PKGoverwrite=no

#
# flag to indicate whether to exclude OS patches
#
EXCLUDEOS=no

#
# flag to indicate whether to exclude shared components
#
EXCLUDESC=no

#
# flag to indicate that all SC should or should not be upgraded without
prompting
#
UPGRADESC=no

#
# INSTALLROOT friendly name
#
INSTALLNAME=

#
# flag to indicate whether to skip OS Level Check
#
SKIPOSLEVELCHECK=no

#
# list of components (using mnemonics)
# A ~ in front of the product indicates that only the shared
# components are installed
#
COMPONENTS=MS64 DSSETUP DAV IM IWC JISS DA NAB MS_SCHA IM_SCHA
COMPONENT_VERSIONS=
[524 Fri Aug 08 17:33:31 root@host% /home/user/wspace/releases/ci76# ]
# cat /var/opt/CommsInstaller/logs/CommsInstaller_20140808173158.log
===== LOGFILE started Fri Aug 8 17:31:58 2014 =====
LOGFILE = /tmp/CommsInstaller_20140808173158.log
Running /usr/bin/perl ./commpkg
-- /usr/bin/perl ./commpkg --OSversionOverride install
-- ARGS:
--OSversionOverride
install
-- perl version: 5.008004 pid: 20173

```

```

-- basetime: 1407544318 Fri Aug 8 17:31:58 2014
-- scriptDir:
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
LOGFILE: /tmp/CommsInstaller_20140808173158.log
CommsInstaller version 7.0.6.0.0 (7.6-0.10) built on Tue Jul 1 21:57:57
PDT 2014
-- UNAME = SunOS ARCH = sparc OS_VERS = 5.10 BITS = 64
uname -a 2>&1
SunOS host 5.10 Generic_147440-12 sun4v sparc sun4v
-- Exit status: 0
!!! ENV
$VAR1 = {
'HOME' => '/',
'PS1' => '[\\! \\d \\t \\u@\\h% \\w\\$ ]
\\$ ',
'LC_COLLATE' => '',
'LC_ALL' => '',
'CDPATH' => '...:/home/user',
'LC_NUMERIC' => '',
'MAIL' => '/var/mail/uadmin',
'TZ' => 'PST8PDT',
'PWD' => '/home/user/wspace/releases/ci76',
'LC_TIME' => '',
'LANG' => 'C',
'LC_MESSAGES' => '',
'LC_CTYPE' => '',
'LOGNAME' => 'uadmin',
'SHLVL' => '1',
'OLDPWD' => '/home/user/wspace',
'LC_MONETARY' => '',
'_' => './commpkg',
'PATH' =>
'/bin:/usr/bin:/usr/sbin:/sbin:/usr/etc::~~/bin:/opt/csw/bin:/new/local/bin:
=> '/bin/sh',
'HZ' => '',
'TERM' => 'dumb'
};
cat /etc/release 2>&1
Oracle Solaris 10 8/11 s10s_u10wos_17b SPARC
Copyright (c) 1983, 2011, Oracle and/or its affiliates. All rights
reserved.
Assembled 23 August 2011
-- Exit status: 0
-- Recognized OS_VERS
!!! comms products found in distro
$VAR1 = [
'MS64',
'DSSETUP',
'DAV',
'IM',
'IWC',
'JISS',
'DA',
'NAB',
'MS_SCHA',
'IM_SCHA'

```



```

];
!!! products found in distro, distroHasProd
$VAR1 = {
'SASL' => 1,
'IWC' => 1,
'MS64_L10N' => 0,
'MS' => 0,
'DSSETUP' => 1,
'MQ_L10N' => 1,
'ICU' => 1,
'MS64' => 1,
'LDAPCSKD6' => 1,
'DAV' => 1,
'JDK' => 0,
'CE' => 0,
'MYSQL' => 0,
'MQ' => 1,
'PATCHUTILS' => 1,
'CI' => 1,
'IMAPI' => 1,
'LDAPCSKD6_TOOLS' => 1,
'NSS' => 1,
'JISS' => 1,
'ST' => 0,
'IM' => 1,
'CS_L10N' => 0,
'RECOMMENDED' => 0,
'NAB' => 1,
'IM_L10N' => 0,
'CS_SCHA' => 0,
'LDAPJDK' => 0,
'MYSQL_MARKER' => 1,
'BZIP' => 1,
'IM_SCHA' => 1,
'MS_L10N' => 0,
'LIBCPLUSPLUS' => 1,
'MS_SCHA' => 1,
'CS' => 0,
'JHRT' => 1,
'CE_L10N' => 0,
'DA' => 1
};
!!! products with Packages found in distro, distroHasPkg
$VAR1 = {
'SASL' => 1,
'IWC' => 1,
'MS64_L10N' => 0,
'MS' => 0,
'DSSETUP' => 1,
'MQ_L10N' => 1,
'ICU' => 1,
'MS64' => 1,
'LDAPCSKD6' => 1,
'DAV' => 1,
'JDK' => 0,
'CE' => 0,

```

```

'MYSQL' => 0,
'MQ' => 1,
'PATCHUTILS' => 0,
'CI' => 1,
'IMAPI' => 1,
'LDAPCS SDK6_TOOLS' => 1,
'NSS' => 1,
'JISS' => 1,
'ST' => 0,
'IM' => 1,
'CS_L10N' => 0,
'RECOMMENDED' => 0,
'NAB' => 1,
'IM_L10N' => 0,
'CS_SCHA' => 0,
'LDAPJDK' => 0,
'MYSQL_MARKER' => 1,
'BZIP' => 0,
'IM_SCHA' => 1,
'MS_L10N' => 0,
'LIBCPLUSPLUS' => 0,
'MS_SCHA' => 1,
'CS' => 0,
'JHRT' => 1,
'CE_L10N' => 0,
'DA' => 1
};
!!! products with patches found in distro, distroHasPatch
$VAR1 = {
'SASL' => 1,
'IWC' => 0,
'MS64_L10N' => 0,
'MS' => 0,
'DSSETUP' => 1,
'MQ_L10N' => 0,
'ICU' => 1,
'MS64' => 1,
'LDAPCS SDK6' => 0,
'DAV' => 1,
'JDK' => 0,
'CE' => 0,
'MYSQL' => 0,
'MQ' => 0,
'PATCHUTILS' => 1,
'CI' => 0,
'IMAPI' => 1,
'LDAPCS SDK6_TOOLS' => 1,
'NSS' => 1,
'JISS' => 1,
'ST' => 0,
'IM' => 1,
'CS_L10N' => 0,
'RECOMMENDED' => 0,
'NAB' => 0,
'IM_L10N' => 0,
'CS_SCHA' => 0,

```

```

'LDAPJDK' => 0,
'MYSQL_MARKER' => 0,
'BZIP' => 1,
'IM_SCHA' => 1,
'MS_L10N' => 0,
'LIBCPLUSPLUS' => 1,
'MS_SCHA' => 0,
'CS' => 0,
'JHRT' => 0,
'CE_L10N' => 0,
'DA' => 1
};
/usr/bin/pkgcond -n is_what 2>&1
can_add_driver=0
can_remove_driver=0
can_update_driver=0
is_alternative_root=0
is_boot_environment=0
is_diskless_client=0
is_global_zone=1
is_mounted_miniroot=0
is_netinstall_image=0
is_nonglobal_zone=0
is_path_writable=1
is_running_system=1
is_sparse_root_nonglobal_zone=0
is_whole_root_nonglobal_zone=0
-- Exit status: 1
/usr/bin/pkgcond -n is_global_zone 2>&1
-- Exit status: 1
/usr/bin/pkgcond -n is_sparse_root_nonglobal_zone 2>&1
-- Exit status: 0
Reading Product Files...
Reading
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
no mapFile
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
no mapFile
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
no mapFile
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
no mapFile
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
no mapFile
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
no mapFile
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
no mapFile
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76

```

[illegible]

[illegible]

[illegible]

```

]
},
'SASL' => {
'2.19' => [
'SUNWsas1',
'2.17,REV=2004.04.06.15.24'
]
},
'MS64_L10N' => {
'6.3' => [
'SUNWmessaging-server-l10n-64',
'6.3,REV=2007.05.09'
]
},
'MS' => {
'7.3_32' => [],
'7.2_32' => [
'SUNWmessaging-server',
'7.0,REV=2008.06.20'
],
'7.5_32' => [],
'6.3_32' => [
'SUNWmsgin',
'6.0,REV=2003.10.29',
'SUNWmsgen',
'6.0,REV=2003.10.29',
'SUNWmsglb',
'6.0,REV=2003.10.29',
'SUNWmsgco',
'6.0,REV=2003.10.29',
'SUNWmsgmt',
'6.0,REV=2003.10.29',
'SUNWmsgst',
'6.0,REV=2003.10.29',
'SUNWmsgmp',
'6.0,REV=2003.10.29',
'SUNWmsgwm',
'6.0,REV=2003.10.29',
'SUNWmsgmf',
'6.0,REV=2003.10.29'
]
},
'DSSETUP' => {
'6.4' => [
'SUNWcomds',
'6.3,REV=2004.08.12'
]
},
'MQ_L10N' => {
'4.3' => [
'SUNWfiqu',
'4.3,REV=2008.10.27.08.57.02',
'SUNWfiquc',
'4.3,REV=2008.10.27.08.57.05',
'SUNWdiqu',
'4.3,REV=2008.10.27.08.57.55',

```

```

'SUNWdiquc',
'4.3,REV=2008.10.27.08.57.58',
'SUNWjiqu',
'4.3,REV=2008.10.27.09.00.27',
'SUNWjiquc',
'4.3,REV=2008.10.27.09.00.28',
'SUNWeiQU',
'4.3,REV=2008.10.27.08.58.45',
'SUNWeiQUc',
'4.3,REV=2008.10.27.08.58.48',
'SUNWkiQU',
'4.3,REV=2008.10.27.08.59.36',
'SUNWkiQUc',
'4.3,REV=2008.10.27.08.59.38',
'SUNWciQU',
'4.3,REV=2008.10.27.09.01.18',
'SUNWciQUc',
'4.3,REV=2008.10.27.09.01.19',
'SUNWhiQU',
'4.3,REV=2008.10.27.09.02.09',
'SUNWhiQUc',
'4.3,REV=2008.10.27.09.02.10'
],
'3.7' => [
'SUNWfiQU',
'3.7,REV=2006.09.28.02.20.49',
'SUNWfiQUc',
'3.7,REV=2006.09.28.02.21.13',
'SUNWdiQU',
'3.7,REV=2006.09.28.02.20.38',
'SUNWdiQUc',
'3.7,REV=2006.09.28.02.21.09',
'SUNWjiQU',
'3.7,REV=2006.09.02.02.06.39',
'SUNWjiQUc',
'3.7,REV=2006.09.02.02.07.00',
'SUNWeiQU',
'3.7,REV=2006.09.28.02.20.43',
'SUNWeiQUc',
'3.7,REV=2006.09.28.02.21.11',
'SUNWkiQU',
'3.7,REV=2006.09.28.02.20.59',
'SUNWkiQUc',
'3.7,REV=2006.09.28.02.21.19',
'SUNWciQU',
'3.7,REV=2006.09.02.02.06.49',
'SUNWciQUc',
'3.7,REV=2006.09.02.02.07.03',
'SUNWhiQU',
'3.7,REV=2006.10.28.02.59.24',
'SUNWhiQUc',
'3.7,REV=2006.10.28.02.59.36'
],
'4.1' => [
'SUNWfiQU',
'4.1,REV=2007.08.02.12.38',

```



```

'SUNWfiquc',
'4.1,REV=2007.08.02.12.38',
'SUNWdiqu',
'4.1,REV=2007.08.02.12.38',
'SUNWdiquc',
'4.1,REV=2007.08.02.12.38',
'SUNWjiqu',
'4.1,REV=2007.08.02.12.38',
'SUNWjiquc',
'4.1,REV=2007.08.02.12.38',
'SUNWeiQU',
'4.1,REV=2007.08.02.12.38',
'SUNWeiQUc',
'4.1,REV=2007.08.02.12.38',
'SUNWkiQU',
'4.1,REV=2007.08.02.12.38',
'SUNWkiQUc',
'4.1,REV=2007.08.02.12.38',
'SUNWciQU',
'4.1,REV=2007.08.02.12.38',
'SUNWciQUc',
'4.1,REV=2007.08.02.12.38',
'SUNWhiQU',
'4.1,REV=2007.08.02.12.38',
'SUNWhiQUc',
'4.1,REV=2007.08.02.12.38'
],
'4.4' => [
'SUNWfiqu',
'4.4,REV=2009.10.01.09.42.14',
'SUNWfiquc',
'4.4,REV=2009.10.01.09.42.16',
'SUNWdiqu',
'4.4,REV=2009.10.01.09.42.59',
'SUNWdiquc',
'4.4,REV=2009.10.01.09.43.03',
'SUNWjiqu',
'4.4,REV=2009.10.01.09.45.16',
'SUNWjiquc',
'4.4,REV=2009.10.01.09.45.18',
'SUNWeiQU',
'4.4,REV=2009.10.01.09.43.44',
'SUNWeiQUc',
'4.4,REV=2009.10.01.09.43.47',
'SUNWkiQU',
'4.4,REV=2009.10.01.09.44.30',
'SUNWkiQUc',
'4.4,REV=2009.10.01.09.44.32',
'SUNWciQU',
'4.4,REV=2009.10.01.09.46.01',
'SUNWciQUc',
'4.4,REV=2009.10.01.09.46.03',
'SUNWhiQU',
'4.4,REV=2009.10.01.09.46.48',
'SUNWhiQUc',
'4.4,REV=2009.10.01.09.46.50'
]

```

```

]
},
'ICU' => {
'ICU2,ICU3' => [
'SUNWicu',
'1.2,REV=2005.01.06.14.13'
]
},
'MS64' => {
'7.5' => [
'SUNWmessaging-server-64',
'7.0,REV=2008.06.20'
],
'7.3_32' => [],
'7.5_32' => [],
'7.2_32' => [
'SUNWmessaging-server',
'7.0,REV=2008.06.20'
],
'6.3' => [
'SUNWmessaging-server-64',
'6.3,REV=2007.02.26'
],
'6.3_32' => [
'SUNWmsgin',
'6.0,REV=2003.10.29',
'SUNWmsgen',
'6.0,REV=2003.10.29',
'SUNWmsglb',
'6.0,REV=2003.10.29',
'SUNWmsgco',
'6.0,REV=2003.10.29',
'SUNWmsgmt',
'6.0,REV=2003.10.29',
'SUNWmsgst',
'6.0,REV=2003.10.29',
'SUNWmsgmp',
'6.0,REV=2003.10.29',
'SUNWmsgwm',
'6.0,REV=2003.10.29',
'SUNWmsgmf',
'6.0,REV=2003.10.29'
]
},
'DAV' => {
'7.4' => [
'SUNWdavserver',
'7.0,REV=2009.08.27'
]
},
'LDAPCSDK6' => {
'6.0' => [
'SUNWldapcsdk-libs',
'6.00,REV=2006.12.11.00.08',
'SUNWldapcsdk-dev',
'6.00,REV=2006.12.11.00.08'
]
}

```

```

]
},
'CE' => {
'6.3' => [
'SUNWuwc',
'6.1,REV=2004.04.29'
]
},
'JDK' => {
'1.6.0' => [
'SUNWj6rt',
'1.6.0,REV=2006.11.29.05.57',
'SUNWj6rtx',
'1.6.0,REV=2006.11.29.04.58',
'SUNWj6dev',
'1.6.0,REV=2006.11.29.05.57',
'SUNWj6dvx',
'1.6.0,REV=2006.11.29.04.58',
'SUNWj6cfg',
'1.6.0,REV=2006.11.29.05.57'
],
'1.5.0' => [
'SUNWj5rt',
'1.5.0,REV=2004.12.07.00.07',
'SUNWj5rtx',
'1.5.0,REV=2004.12.06.22.09',
'SUNWj5cfg',
'1.5.0,REV=2004.12.07.00.07'
]
},
'MYSQL' => {
'5.1.36' => [
'mysql',
'5.1.36'
],
'5.5.8' => [
'mysql',
'5.5.8'
]
},
'MQ' => {
'4.3' => [
'SUNWiqr',
'4.3,REV=2008.11.07.18.44',
'SUNWiqu',
'4.3,REV=2008.11.07.18.44',
'SUNWiqdoc',
'4.3,REV=2008.11.07.18.44',
'SUNWiquc',
'4.3,REV=2008.11.07.18.44',
'SUNWiqum',
'4.3,REV=2008.11.07.18.44',
'SUNWiqjx',
'4.3,REV=2008.11.07.18.44',
'SUNWiqfs',
'4.3,REV=2008.11.07.18.44',

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'SUNWiqcrt',
'4.3,REV=2008.11.07.18.44',
'SUNWiqcdv',
'4.3,REV=2008.11.07.18.44',
'SUNWiqlen',
'4.3,REV=2008.11.07.18.45'
],
'3.7' => [
'SUNWiqr',
'3.7,REV=2006.06.18.22.34',
'SUNWiqu',
'3.7,REV=2006.06.18.22.34',
'SUNWiqtpl',
'3.7,REV=2006.06.18.22.35',
'SUNWiqdoc',
'3.7,REV=2006.06.18.22.35',
'SUNWiquc',
'3.7,REV=2006.06.18.22.35',
'SUNWiquum',
'3.7,REV=2006.06.18.22.35',
'SUNWiqjx',
'3.7,REV=2006.06.18.22.35',
'SUNWiqfs',
'3.7,REV=2006.06.18.22.35',
'SUNWiqcrt',
'3.7,REV=2006.06.18.22.35',
'SUNWiqcdv',
'3.7,REV=2006.06.18.22.35',
'SUNWiqlen',
'3.7,REV=2006.06.18.22.35'
],
'4.1' => [
'SUNWiqr',
'4.1,REV=2007.07.26.10.58',
'SUNWiqu',
'4.1,REV=2007.07.26.10.58',
'SUNWiqdoc',
'4.1,REV=2007.07.26.10.58',
'SUNWiquc',
'4.1,REV=2007.07.26.10.59',
'SUNWiquum',
'4.1,REV=2007.07.26.10.59',
'SUNWiqjx',
'4.1,REV=2007.07.26.10.59',
'SUNWiqfs',
'4.1,REV=2007.07.26.10.59',
'SUNWiqcrt',
'4.1,REV=2007.07.26.10.59',
'SUNWiqcdv',
'4.1,REV=2007.07.26.10.59'
],
'4.4' => [
'SUNWiqr',
'4.4,REV=2009.08.27.08.32',
'SUNWiqu',
'4.4,REV=2009.08.27.08.32',

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'SUNWiqdoc',
'4.4, REV=2009.08.27.08.32',
'SUNWiquc',
'4.4, REV=2009.08.27.08.33',
'SUNWiqum',
'4.4, REV=2009.08.27.08.33',
'SUNWiqjx',
'4.4, REV=2009.08.27.08.33',
'SUNWiqfs',
'4.4, REV=2009.08.27.08.33',
'SUNWiqcrt',
'4.4, REV=2009.08.27.08.33',
'SUNWiqcdv',
'4.4, REV=2009.08.27.08.33',
'SUNWiqlen',
'4.4, REV=2009.08.27.08.33'
],
},
'PATCHUTILS' => {
'Unknown' => [
'SUNWpkgcmdsu',
'11.11, REV=2005.01.09.23.05',
'SUNWswmt',
'11.10, REV=2005.01.10.17.19',
'SUNWinstall-patch-utils-root',
'11.10, REV=2005.01.09.23.05',
'SUNWcsr',
'11.10.0, REV=2005.01.21.15.53',
'SUNWdtrc',
'11.10.0, REV=2005.01.21.15.53',
'SUNWzoneu',
'11.10.0, REV=2005.01.21.15.53'
],
},
'CI' => {
'7.6' => [
'SUNWcomms',
'7.6, REV=2014.07.01'
],
},
'IMAPI' => {
'8.0' => [
'SUNWiimd',
'8.0, REV=2008.12.04'
],
'7.0' => [
'SUNWiimd',
'7.0, REV=2004.11.24.05.24.36'
],
'7.3' => [
'SUNWiimd',
'7.3, REV=2008.01.15'
],
'9.2' => [
'SUNWiimd',
'9.0, REV=2011.09.05'
]
}

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]
},
'LDAPCSKD6_TOOLS' => {
'6.0' => [
'SUNWldapcsdk-tools',
'6.00,REV=2006.12.11.00.08'
]
},
'JISS' => {
'0.9' => [
'SUNWjiss-common',
'1.0,REV=2009.08.17',
'SUNWjiss-conf',
'1.0,REV=2009.08.17',
'SUNWjiss-extjars',
'1.0,REV=2009.08.17',
'SUNWjiss-indexapi',
'1.0,REV=2009.08.17',
'SUNWjiss-jmqc',
'1.0,REV=2009.08.17',
'SUNWjiss-rest',
'1.0,REV=2009.08.17',
'SUNWjiss-search',
'1.0,REV=2009.08.17',
'SUNWjiss-searchui',
'1.0,REV=2009.08.17',
'SUNWjiss-store',
'1.0,REV=2009.08.17',
'SUNWjiss-storeui',
'1.0,REV=2009.08.17'
],
'1.5' => [
'SUNWjiss',
'1.0,REV=2009.09.09'
]
},
'NSS' => {
'4.8.9' => [
'SUNWpr',
'4.6.4,REV=2006.11.16.20.40',
'SUNWprd',
'4.6.4,REV=2006.11.16.20.40',
'SUNWtls',
'3.11.4,REV=2006.11.16.20.40',
'SUNWtlsd',
'3.11.4,REV=2006.11.16.20.40',
'SUNWtlssu',
'3.11.4,REV=2006.11.16.20.40',
'SUNWjss',
'4.2.4,REV=2006.11.16.20.40'
]
},
'CS_L10N' => {
'6.2' => [
'SUNWdeics',
'6.0,REV=2003.11.14.15.16.33',

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'SUNWesics',
'6.0,REV=2003.11.14.15.16.33',
'SUNWfrics',
'6.0,REV=2003.11.14.15.16.33',
'SUNWjaics',
'6.0,REV=2003.11.14.15.16.33',
'SUNWkoics',
'6.0,REV=2003.11.14.15.16.33',
'SUNWzhics',
'6.0,REV=2003.11.14.15.16.33',
'SUNWtwics',
'6.0,REV=2003.11.14.15.16.33'
],
'6.3' => [
'SUNWics-l10n',
'6.3,REV=2007.01.05.03.20.27'
],
},
'ST' => {
'1.1.4' => [
'SUNWservicetagr',
'1.1.4,REV=2008.03.21.07.54',
'SUNWservicetagu',
'1.1.4,REV=2008.03.21.07.54',
'SUNWstosreg',
'1.1.4,REV=2008.03.21.07.54'
],
},
'IM' => {
'8.3' => [
'SUNWiim',
'8.0,REV=2008.12.04',
'SUNWiimin',
'8.0,REV=2008.12.04',
'SUNWiimm',
'8.0,REV=2008.12.04',
'SUNWiimjd',
'8.0,REV=2008.12.04',
'SUNWiimid',
'8.0,REV=2008.12.04',
'SUNWiimc',
'8.0,REV=2008.12.04',
'SUNWiimd',
'8.0,REV=2008.12.04',
'SUNWiimgw',
'8.0,REV=2008.12.04'
],
'7.0' => [
'SUNWiimin',
'7.0,REV=2004.11.24.05.24.36',
'SUNWiim',
'7.0,REV=2004.11.24.05.24.36',
'SUNWiimm',
'7.0,REV=2004.11.24.05.24.36',
'SUNWiimjd',
'7.0,REV=2004.11.24.05.24.36',

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'SUNWiimid',
'7.0,REV=2004.11.24.05.24.36',
'SUNWiimc',
'7.0,REV=2004.11.24.05.24.36',
'SUNWiimd',
'7.0,REV=2004.11.24.05.24.36'
],
'7.3' => [
'SUNWiim',
'7.3,REV=2008.01.15',
'SUNWiimin',
'7.3,REV=2008.01.15',
'SUNWiimm',
'7.3,REV=2008.01.15',
'SUNWiimjd',
'7.3,REV=2008.01.15',
'SUNWiimid',
'7.3,REV=2008.01.15',
'SUNWiimc',
'7.3,REV=2008.01.15',
'SUNWiimd',
'7.3,REV=2008.01.15'
],
'9.2' => [
'SUNWiimin',
'9.0,REV=2011.09.05',
'SUNWiim',
'9.0,REV=2011.09.05',
'SUNWiimm',
'9.0,REV=2011.09.05',
'SUNWiimjd',
'9.0,REV=2011.09.05',
'SUNWiimid',
'9.0,REV=2011.09.05',
'SUNWiimgw',
'9.0,REV=2011.09.05',
'SUNWiimw',
'9.0,REV=2011.09.05',
'SUNWiimfed',
'9.0,REV=2011.09.05'
]
},
'RECOMMENDED' => {
'2013.02.19' => [
'SUNWckr',
'11.10.0,REV=2005.01.21.15.53',
'SUNWbzip',
'11.10.0,REV=2005.01.08.05.16',
'SUNWpkgcmdsu',
'11.11,REV=2005.01.09.23.05'
]
},
'IM_L10N' => {
'7.2' => [
'SUNWiimc-l10n',
'7.2,REV=2006.12.19.04.40.00',

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'SUNWiimd-l10n',
'7.2,REV=2006.10.26.04.19.15',
'SUNWiimid-l10n',
'7.2,REV=2006.10.26.04.19.19',
'SUNWiimin-l10n',
'7.2,REV=2006.10.26.04.19.22'
],
'7.0' => [
'SUNWdiimc',
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'SUNWdiimd',
'7.0,REV=2004.11.24.05.29',
'SUNWdimid',
'7.0,REV=2004.11.24.05.29',
'SUNWeiimc',
'7.0,REV=2004.11.24.05.29',
'SUNWeiimd',
'7.0,REV=2004.11.24.05.29',
'SUNWeiimin',
'7.0,REV=2004.11.24.05.29',
'SUNWeimid',
'7.0,REV=2004.11.24.05.29',
'SUNWfiimc',
'7.0,REV=2004.11.24.05.30',
'SUNWfiimd',
'7.0,REV=2004.11.24.05.30',
'SUNWfiimin',
'7.0,REV=2004.11.24.05.30',
'SUNWfimid',
'7.0,REV=2004.11.24.05.30',
'SUNWjiimc',
'7.0,REV=2004.11.24.05.26',
'SUNWjiimd',
'7.0,REV=2004.11.24.05.26',
'SUNWjiimin',
'7.0,REV=2004.11.24.05.26',
'SUNWjimid',
'7.0,REV=2004.11.24.05.26',
'SUNWkiimc',
'7.0,REV=2004.11.24.05.26',
'SUNWkiimd',
'7.0,REV=2004.11.24.05.27',
'SUNWkiimin',
'7.0,REV=2004.11.24.05.26',
'SUNWkimid',
'7.0,REV=2004.11.24.05.27',
'SUNWciimc',
'7.0,REV=2004.11.24.05.27',
'SUNWciimd',
'7.0,REV=2004.11.24.05.27',
'SUNWciimin',
'7.0,REV=2004.11.24.05.27',
'SUNWcimid',
'7.0,REV=2004.11.24.05.27',
'SUNWhiimc',
'7.0,REV=2004.11.24.05.28',

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'SUNWhiimd',
'7.0,REV=2004.11.24.05.28',
'SUNWhiimin',
'7.0,REV=2004.11.24.05.28',
'SUNWhimid',
'7.0,REV=2004.11.24.05.28'
],
},
'NAB' => {
'8.0' => [
'SUNWnabserver',
'8.0,REV=2014.05.22'
],
},
'CS_SCHA' => {
'6.0' => [
'SUNWscics',
'6.0,REV=2003.11.14'
],
'6.3' => [
'SUNWscics',
'6.3,REV=2008.03.31.18.10.20'
],
},
'LDAPJDK' => {
'4.21' => [
'SUNWljdk',
'1.0,REV=2004.10.11.06.02'
],
},
'BZIP' => {
'11.10' => [
'SUNWbzip',
'11.10.0,REV=2005.01.08.05.16'
],
},
'MYSQL_MARKER' => {
'1.1' => [
'SUNWcomms-mysql-marker',
'1.1,REV=2011.09.09'
],
'1.0' => [
'SUNWcomms-mysql-marker',
'1.0,REV=2009.09.09'
],
},
'IM_SCHA' => {
'7.0' => [
'SUNWiimsc',
'7.0,REV=2005.08.03.09.41.41'
],
'7.3' => [
'SUNWiimsc',
'7.3,REV=2008.01.07.20.24.34'
],
},
},

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'MS_L10N' => {
'6.2' => [
'SUNWmsgde',
'6.0,REV=2003.10.10',
'SUNWmsges',
'6.0,REV=2003.10.10',
'SUNWmsgfr',
'6.0,REV=2003.10.10',
'SUNWmsgja',
'6.0,REV=2003.10.10',
'SUNWmsgko',
'6.0,REV=2003.10.10',
'SUNWmsgzh',
'6.0,REV=2003.10.10',
'SUNWmsgtw',
'6.0,REV=2003.10.10'
],
'6.3' => [
'SUNWmsg-l10n',
'6.3,REV=2006.12.20'
]
},
'LIBCPLUSPLUS' => {
'5.9' => [
'SUNWlibC',
'5.10,REV=2004.12.22'
]
},
'MS_SCHA' => {
'6.0' => [
'SUNWscims',
'6.0,REV=2003.10.29'
],
'7.0' => [
'SUNWmessaging-server-scha',
'7.0,REV=2008.05.19'
]
},
'CS' => {
'6.3' => [
'SUNWics5',
'6.0,REV=2003.11.14.18.12.58',
'SUNWica5',
'6.0,REV=2003.11.14.18.12.58'
]
},
'JHRT' => {
'2.0' => [
'SUNWjhrt',
'2.0,REV=2006.10.31',
'SUNWjhdev',
'2.0,REV=2006.10.04',
'SUNWjhdem',
'2.0,REV=2006.10.04',
'SUNWjhdoc',
'2.0,REV=2006.10.04'
]
}

```

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]
},
'CE_L10N' => {
'6.2' => [
'SUNWduwc',
'6.1, REV=2004.04.23',
'SUNWeuwc',
'6.1, REV=2004.04.23',
'SUNWfuwc',
'6.1, REV=2004.04.23',
'SUNWjuwc',
'6.1, REV=2004.04.23',
'SUNWkuwc',
'6.1, REV=2004.04.23',
'SUNWcuwc',
'6.1, REV=2004.04.23',
'SUNWhuwc',
'6.1, REV=2004.04.23'
],
'6.3' => [
'SUNWuwc-l10n',
'6.1, REV=2006.12.14.03.02.41'
]
},
'DA' => {
'6.4' => [
'SUNWcomic',
'1.0, REV=2003.10.29',
'SUNWcomis',
'1.0, REV=2003.10.29'
],
'7.0' => [
'SUNWcommda',
'7.0, REV=2009.03.31'
]
}
};
===== QQQ findGetVersion =====
!!! getVersion
$VAR1 = {
'SASL' => 'none',
'IWC' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci7
=> 'none',
'MS' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci7
=>
'/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci7
=> 'none',
'ICU' => 'none',
'MS64' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci7
=>
'/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci7
=> 'none',
'CE' =>

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```

'/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci7
=> 'none',
'MYSQL' => 'none',
'PATCHUTILS' => 'none',
'MQ' => 'none',
'IMAPI' => 'none',
'CI' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci7
=> 'none',
'JISS' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci7
=> 'none',
'CS_L10N' => 'none',
'IM' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci7
=> 'none',
'RECOMMENDED' => 'none',
'IM_L10N' => 'none',
'NAB' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci7
=>
'/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci7
=> 'none',
'BZIP' => 'none',
'MYSQL_MARKER' => 'none',
'IM_SCHA' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci7
=> 'none',
'LIBCPLUSPLUS' => 'none',
'MS_SCHA' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci7
=>
'/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci7
=> 'none',
'CE_L10N' => 'none',
'DA' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci7
prod_getVers
$VAR1 = {
'SASL' => 0,
'IWC' => '3.0-1.0022',
'MS64_L10N' => 0,
'MS' => '7.2-7.02',
'DSSETUP' => '6.4-26.01',
'MQ_L10N' => 0,
'ICU' => 0,
'MS64' => '7.5-31.0',
'DAV' => '7.4-15.10',
'LDAPCSKD6' => 0,
'CE' => '6.3-13.01',
'JDK' => 0,
'MYSQL' => 0,
'PATCHUTILS' => 0,
'MQ' => 0,
'IMAPI' => 0,
'CI' => '7.6-0.10',

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'LDAPCSDK6_TOOLS' => 0,
'JISS' => '1.5-22.11300',
'NSS' => 0,
'CS_L10N' => 0,
'IM' => '9.2-06.7',
'ST' => 0,
'RECOMMENDED' => 0,
'IM_L10N' => 0,
'NAB' => '8.0-0.52',
'CS_SCHA' => '6.3-1.01',
'LDAPJDK' => 0,
'BZIP' => 0,
'MYSQL_MARKER' => 0,
'IM_SCHA' => '7.3-01.02',
'MS_L10N' => 0,
'LIBCPLUSPLUS' => 0,
'MS_SCHA' => '7.0-0.03',
'CS' => '6.3-32.01',
'JHRT' => 0,
'CE_L10N' => 0,
'DA' => '7.0-9.00'
};
!!! prod_orclVers
$VAR1 = {
'SASL' => 0,
'IWC' => '3.0.0.1.0',
'MS64_L10N' => 0,
'MS' => '\Unrecognized Parameter\'' ,
'DSSETUP' => '6.4.0.26.0',
'MQ_L10N' => 0,
'ICU' => 0,
'MS64' => '7.0.5.31.0',
'DAV' => '7.0.4.15.0',
'LDAPCSDK6' => 0,
'CE' => '\Unrecognized Parameter\'' ,
'JDK' => 0,
'MYSQL' => 0,
'PATCHUTILS' => 0,
'MQ' => 0,
'IMAPI' => 0,
'CI' => '7.0.6.0.0',
'LDAPCSDK6_TOOLS' => 0,
'JISS' => '1.0.5.22.0',
'NSS' => 0,
'CS_L10N' => 0,
'IM' => '9.0.2.6.0',
'ST' => 0,
'RECOMMENDED' => 0,
'IM_L10N' => 0,
'NAB' => '8.0.0.0.0',
'CS_SCHA' => '\Unrecognized Parameter\'' ,
'LDAPJDK' => 0,
'BZIP' => 0,
'MYSQL_MARKER' => 0,
'IM_SCHA' => '\Unrecognized Parameter\'' ,
'MS_L10N' => 0,

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```

'LIBCPLUSPLUS' => 0,
'MS_SCHA' => '\Unrecognized Parameter\'',
'CS' => '\Unrecognized Parameter\'',
'JHRT' => 0,
'CE_L10N' => 0,
'DA' => '7.0.0.9.0'
};
!!! prod_builddate
$VAR1 = {
'SASL' => 'none',
'IWC' => '20140630',
'MS64_L10N' => 'none',
'MS' => '20090416',
'DSSETUP' => '20140418',
'MQ_L10N' => 'none',
'ICU' => 'none',
'MS64' => '20140505',
'DAV' => '20140425',
'LDAPCSDK6' => 'none',
'CE' => '20090327',
'JDK' => 'none',
'MYSQL' => 'none',
'PATCHUTILS' => 'none',
'MQ' => 'none',
'IMAPI' => 'none',
'CI' => '20140701',
'LDAPCSDK6_TOOLS' => 'none',
'JISS' => '20140528',
'NSS' => 'none',
'CS_L10N' => 'none',
'IM' => '20140625',
'ST' => 'none',
'RECOMMENDED' => 'none',
'IM_L10N' => 'none',
'NAB' => '20140522',
'CS_SCHA' => '20080331',
'LDAPJDK' => 'none',
'BZIP' => 'none',
'MYSQL_MARKER' => 'none',
'IM_SCHA' => '20080403',
'MS_L10N' => 'none',
'LIBCPLUSPLUS' => 'none',
'MS_SCHA' => '20080519',
'CS' => '20120921',
'JHRT' => 'none',
'CE_L10N' => 'none',
'DA' => '20140106'
};
===== End QQQ findGetVersion =====
INFO: prod_mktVers{NSS} (no map) = 4.8.9
INFO: prod_mktVers{SASL} (no map) = 2.19
INFO: prod_mktVers{LDAPCSDK6} (no map) = 6.0
INFO: prod_mktVers{LDAPCSDK6_TOOLS} (no map) = 6.0
INFO: prod_mktVers{ICU} (no map) = ICU2, ICU3
INFO: prod_mktVers{JDK} (no map) = 1.6.0
INFO: prod_mktVers{JHRT} (no map) = 2.0

```

```

INFO: prod_mktVers{MQ} (no map) = 4.4
INFO: prod_mktVers{MQ_L10N} (no map) = 4.4
INFO: prod_mktVers{LDAPJDK} (no map) = 4.21
INFO: prod_mktVers{IMAPI} (w/ map) = 9u2
INFO: prod_mktVers{LIBCPLUSPLUS} (no map) = 5.9
INFO: prod_mktVers{PATCHUTILS} (no map) = Unknown
INFO: prod_mktVers{BZIP} (no map) = 11.10
INFO: prod_mktVers{RECOMMENDED} (no map) = 2013.02.19
INFO: prod_mktVers{MYSQL_MARKER} (w/ map) = 1.1
INFO: prod_mktVers{MYSQL} (w/ map) = 5.5.8
INFO: prod_mktVers{ST} (no map) = 1.1.4
INFO: prod_mktVers{CI} (w/ map) = 7u6
INFO: prod_mktVers{MS64} (w/ map) = 7u5
INFO: prod_mktVers{DSSETUP} (w/ map) = 6.4
INFO: prod_mktVers{DAV} (w/ map) = 7u4
INFO: prod_mktVers{IM} (w/ map) = 9u2
INFO: prod_mktVers{IWC} (w/ map) = 3
INFO: prod_mktVers{JISS} (w/ map) = 1u5
INFO: prod_mktVers{DA} (w/ map) = 7
INFO: prod_mktVers{NAB} (w/ map) = 8
INFO: prod_mktVers{MS_SCHA} (no map) = 7.0
INFO: prod_mktVers{IM_SCHA} (no map) = 7.3

```

Welcome to the Oracle Communications Unified Communications Suite Product Installer

This program will install selected components of the Communications Suite on your computer. Do note that the installer lays down the bits, but does not do configuration. Separate configuration steps for each individual product will be required.

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```

=====
Specify Install Location

```

This program will extract the server files and install them into a directory you specify. That directory is called the INSTALLROOT in the product documentation and will contain the server programs.

To accept the default shown in brackets, press the Enter key.

```

Install location [/opt/sun/comms]: -- /opt/sun/comms already exists,
existing data may be overwritten
Accept Anyway? [yes] :
-- Setting owner:group for /opt/sun/comms to bin:bin
/bin/chown bin:bin /opt/sun/comms 2>&1
-- Exit status: 0
-- Setting permission for /opt/sun/comms to 755
/bin/chmod 755 /opt/sun/comms 2>&1
-- Exit status: 0
=====
Detecting Installed Products...

```



```

Checking LIBCPLUSPLUS 5.9 ...
Checking pkg SUNWlibc...pkgparam -v SUNWlibc 2>&1
CLASSES='none'
BASEDIR='/'
PATCH_INFO_119963-29='Installed: Saturday, October 5, 2013 03:05:09 PM
UTC From: host Obsoletes: Requires: Incompatibles:'
SCRIPTS_DIR='/opt/SunProd/studio12u3/solarisstudio12.3-148921-08/patches/12
Sat Nov 3 00:38:56 PDT 2012 From: host Obsoletes: Requires:
Incompatibles:'
INTERRUPTION='no'
PATCH_UNDO_ARCHIVE='none'
PATCH_BUILD_DIR='none'
PATCH_NO_UNDO='false'
PATCH_UNCONDITIONAL='false'
UPDATE='yes'
INSTDATE='Oct 05 2013 15:05'
PATCH_INFO_119963-24='Installed: Tue Aug 23 11:20:49 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCHLIST='119963-24 119963-27 119963-29'
LC_ALL=''
PKGSAB=' /var/sadm/pkg/SUNWlibc/save'
PKGINST='SUNWlibc'
SUNW_PATCHID='119963-29'
PSTAMP='ouioui20041222170548'
VERSION='5.10,REV=2004.12.22'
SUNW_PRODVERS='5.10'
VENDOR='Oracle Corporation'
SUNW_PKGVERS='1.0'
SUNW_PRODNAME='SunOS'
SUNW_PKGTYPE='usr'
PKG='SUNWlibc'
NAME='Sun Workshop Compilers Bundled libc'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun Workshop Compilers Bundled libc'
CATEGORY='system'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='UTC'
LANG='en_US.ISO8859-1'
LC_MONETARY='en_US.ISO8859-1'
LC_MESSAGES='C'
LC_COLLATE='en_US.ISO8859-1'
LC_TIME='en_US.ISO8859-1'
LC_NUMERIC='en_US.ISO8859-1'
LC_CTYPE='en_US.ISO8859-1'
-- Exit status: 0
present.
LIBCPLUSPLUS 5.9 is already present.
Checking PATCHUTILS Unknown ...
Checking pkg SUNWpkgcmds...pkgparam -v SUNWpkgcmds 2>&1

```

```

CLASSES='none'
BASEDIR='/'
LC_CTYPE=''
LC_NUMERIC=''
LC_TIME=''
LC_COLLATE=''
LC_MESSAGES=''
LC_MONETARY=''
LC_ALL=''
LANG='C'
TZ='PST8PDT'
PKG_CLIENT_OS='Solaris'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_REVISION='0'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
OAMBASE='/usr/sadm/sysadm'
PKG='SUNWpkgcmdsu'
NAME='SVr4 packaging commands (usr)'
ARCH='sparc'
VERSION='11.11, REV=2005.01.09.23.05'
SUNW_PRODNAME='SunOS'
SUNW_PRODVERS='5.10'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
SUNW_OBSOLETES=''
MAXINST='1000'
CATEGORY='system'
DESC='Solaris 2.x System V Release IV Packaging Commands (usr)'
VENDOR='Oracle Corporation'
HOTLINE='Please contact your local service provider'
EMAIL=''
SUNW_REQUIRES='121133-02'
SUNW_INCOMPAT=''
SUNW_PATCHID='119254-88'
PSTAMP='on10-adms-patch20121113171249'
PKGINST='SUNWpkgcmdsu'
PKGSAB=' /var/sadm/pkg/SUNWpkgcmdsu/save'
PATCHLIST='119317-01 119254-81 125978-08 800130-03 800214-05 119254-88'
INSTDATE='Feb 12 2013 15:55'
UPDATE='yes'
PATCH_NO_UNDO='false'
SCRIPTS_DIR='/export/lim/work/ci_tip/comms/comp/SunOS5.10_DBG.OBJ/release/S
119254-81 125978-08 800130-03 800214-05 119254-88'
INTERRUPTION='no'
PATCH_UNDO_ARCHIVE='none'
PATCH_BUILD_DIR='none'
PATCH_UNCONDITIONAL='false'
ACTIVE_PATCH='119254-88'
ACTIVE_OBSOLETES='119015-03'
PATCH_INFO_119317-01='Installed: Tue Aug 23 11:16:31 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_119254-81='Installed: Tue Aug 23 11:37:32 PDT 2011 From:
host3 Obsoletes: 119015-03 Requires: 121133-02 Incompatibles:'
PATCH_INFO_125978-08='Installed: Tue Aug 23 12:52:12 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800130-03='Installed: Tue Aug 23 13:44:26 PDT 2011 From:

```

```

host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800214-05='Installed: Tue Aug 23 14:58:34 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_119254-88='Installed: Tue Feb 12 15:55:02 PST 2013 From: host
Obsoletes: 119015-03 Requires: 121133-02 Incompatibles:'
-- Exit status: 0
present.
Checking pkg SUNWswmt...pkgparam -v SUNWswmt 2>&1
CLASSES='none'
BASEDIR='/'
PATCH_INFO_119254-88='Installed: Tue Feb 12 15:55:10 PST 2013 From: host
Obsoletes: 119015-03 Requires: 121133-02 Incompatibles:'
PATCH_INFO_800214-05='Installed: Tue Aug 23 14:58:40 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800130-03='Installed: Tue Aug 23 13:44:33 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_125978-08='Installed: Tue Aug 23 12:52:13 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_120746-01='Installed: Tue Aug 23 12:35:58 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_119254-81='Installed: Tue Aug 23 11:37:32 PDT 2011 From:
host3 Obsoletes: 119015-03 Requires: 121133-02 Incompatibles:'
ACTIVE_OBSOLETES='119015-03'
ACTIVE_PATCH='119254-88'
INTERRUPTION='no'
PATCH_UNDO_ARCHIVE='none'
PATCH_BUILD_DIR='none'
PATCH_UNCONDITIONAL='false'
OLDLIST='119254-81 120746-01 125978-08 800130-03 800214-05 119254-88'
SCRIPTS_DIR='/export/lim/work/ci_tip/comms/comp/SunOS5.10_DBG.OBJ/release/s
12 2013 15:55'
PATCHLIST='119254-81 120746-01 125978-08 800130-03 800214-05 119254-88'
PKGSAB=' /var/sadm/pkg/SUNWswmt/save'
PKGINST='SUNWswmt'
PSTAMP='on10-adms-patch20121113171250'
SUNW_PATCHID='119254-88'
SUNW_INCOMPAT=''
SUNW_REQUIRES='121133-02'
EMAIL=''
HOTLINE='Please contact your local service provider'
VENDOR='Oracle Corporation'
DESC='Solaris 2.x Install and Patch Utilities'
CATEGORY='system'
MAXINST='1000'
SUNW_OBSOLETES=''
SUNW_PKGTYPE='usr'
SUNW_PKGVERS='1.0'
SUNW_PRODVERS='5.10'
SUNW_PRODNAME='SunOS'
VERSION='11.10,REV=2005.01.10.17.19'
ARCH='sparc'
NAME='Install and Patch Utilities'
PKG='SUNWswmt'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'

```

```

PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWinstall-patch-utils-root...pkgparam -v
SUNWinstall-patch-utils-root 2>&1
CLASSES='none rbac manifest preserve'
BASEDIR='/'
LC_CTYPE=''
LC_NUMERIC=''
LC_TIME=''
LC_COLLATE=''
LC_MESSAGES=''
LC_MONETARY=''
LC_ALL=''
LANG='C'
TZ='PST8PDT'
PKG_CLIENT_OS='Solaris'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_REVISION='0'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
OAMBASE='/usr/sadm/sysadm'
PKG='SUNWinstall-patch-utils-root'
NAME='Install and Patch Utilities (root)'
ARCH='sparc'
VERSION='11.10, REV=2005.01.09.23.05'
SUNW_PRODNAME='SunOS'
SUNW_PRODVERS='5.10'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='root'
SUNW_OBSOLETES=''
MAXINST='1000'
CATEGORY='system'
DESC='Install and Patch Utilities (root)'
VENDOR='Oracle Corporation'
HOTLINE='Please contact your local service provider'
EMAIL=''
SUNW_REQUIRES='121133-02'
SUNW_INCOMPAT=''
SUNW_PATCHID='119254-88'
PSTAMP='on10-adms-patch20121113171247'
PKGINST='SUNWinstall-patch-utils-root'
PKGSAB=' /var/sadm/pkg/SUNWinstall-patch-utils-root/save'
PATCH_UNCONDITIONAL='false'
PATCH_BUILD_DIR='none'
PATCH_UNDO_ARCHIVE='none'
INTERRUPTION='no'

```

```

OLDLIST='119254-81 125978-08 800128-01 800130-03 800214-05 119254-88'
ACTIVE_PATCH='119254-88'
ACTIVE_OBSOLETES='119015-03'
PATCHLIST='119254-81 125978-08 800128-01 800130-03 800214-05 119254-88'
INSTDATE='Feb 12 2013 15:55'
UPDATE='yes'
PATCH_NO_UNDO='false'
SCRIPTS_DIR='/export/lim/work/ci_tip/comms/comp/SunOS5.10_DBG.OBJ/release/
Tue Aug 23 11:37:31 PDT 2011 From: host3 Obsoletes: 119015-03 Requires:
121133-02 Incompatibles:'
PATCH_INFO_125978-08='Installed: Tue Aug 23 12:52:11 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800128-01='Installed: Tue Aug 23 13:43:44 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800130-03='Installed: Tue Aug 23 13:43:56 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800214-05='Installed: Tue Aug 23 14:58:17 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_119254-88='Installed: Tue Feb 12 15:55:00 PST 2013 From: host
Obsoletes: 119015-03 Requires: 121133-02 Incompatibles:'
-- Exit status: 0
present.
Checking pkg SUNWcsr...pkgparam -v SUNWcsr 2>&1
CLASSES='none initd renamenew preserve cronroot passwd tiservices
inetdconf definit etcremote nsswitch netconfig deflogin defsu syslogconf
ttypsrch group inittab etcrpc etcprofile mailxrc shadow voldconf rmmconf
locallogin localprofile logadmconf nscd fstypes pamconf services rbac
renameold dhcpinittab policyconf pkcs11confbase defpasswd vfstab
manifest ttydefs dhcpagent hosts ipsecalgbase sock2path defkbd'
BASEDIR='/'
LANG=''
TZ='UTC'
PKG_CLIENT_OS='Solaris'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_REVISION='0'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
OAMBASE='/usr/sadm/sysadm'
PKG='SUNWcsr'
NAME='Core Solaris, (Root)'
ARCH='sparc'
VERSION='11.10.0,REV=2005.01.21.15.53'
SUNW_PRODNAME='SunOS'
SUNW_PRODVERS='5.10/Generic'
SUNW_PKGTYPE='root'
SUNW_OBSOLETES=''
MAXINST='1000'
CATEGORY='system'
DESC='core software for a specific instruction-set architecture'
VENDOR='Oracle Corporation'
HOTLINE='Please contact your local service provider'
EMAIL=''
SUNW_PKGVERS='1.0'
SUNW_PKG_ALLZONES='true'
SUNW_PKG_HOLLOW='false'
SUNW_REQUIRES='118833-36 120011-14 121133-02 125555-10 127127-11
137137-09 139555-08 141444-09 142909-17 142933-04 144500-19'

```

```

SUNW_INCOMPAT=''
SUNW_PATCHID='147440-12'
PSTAMP='on10-patch20120207154903'
PKGINST='SUNWcsr'
PKGSAB=' /var/sadm/pkg/SUNWcsr/save'
PKG_NO_UNIFIED='TRUE'
PATCHLIST='118918-24 120900-04 121133-02 124188-03 125547-02 125891-01
126897-02 137093-01 137097-01 137274-01 140796-01 140860-02 141016-01
141032-01 141496-01 142251-02 142292-01 142911-01 144526-01 144647-01
145959-01 146292-01 146673-01 147186-01 121453-02 138217-01 138866-03
118833-36 121561-04 122640-05 123912-02 125503-02 127755-01 138766-01
139962-02 145120-01 120011-14 127127-11 128402-02 137115-01 137137-09
138181-01 139555-08 141444-09 141900-01 142909-17 143513-02 143609-03
143954-04 144039-02 144500-19 144909-02 145019-01 146476-01 119079-13
121061-01 121778-12 121780-12 123259-12 125095-15 125888-01 138287-07
138289-07 800111-04 800113-04 800120-08 800122-08 800151-15 800153-15
800200-15 800202-16 144526-02 147440-12'
PATCH_INFO_118918-24='Installed: Tue Aug 23 11:14:25 PDT 2011 From:
host3 Obsoletes: 116781-02 119012-03 121282-02 121284-02 121292-01
121473-01 121476-01 121478-01 121786-01 123444-01 Requires:
Incompatibles:'
PATCH_INFO_120900-04='Installed: Tue Aug 23 11:22:23 PDT 2011 From:
host3 Obsoletes: 121266-01 Requires: Incompatibles:'
PATCH_INFO_121133-02='Installed: Tue Aug 23 11:22:28 PDT 2011 From:
host3 Obsoletes: 121333-03 Requires: 120900-04 Incompatibles:'
PATCH_INFO_124188-03='Installed: Tue Aug 23 11:27:58 PDT 2011 From:
host3 Obsoletes: 123881-01 Requires: Incompatibles:'
PATCH_INFO_125547-02='Installed: Tue Aug 23 11:28:56 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_125891-01='Installed: Tue Aug 23 11:29:15 PDT 2011 From:
host3 Obsoletes: 121265-03 125476-02 Requires: Incompatibles:'
PATCH_INFO_126897-02='Installed: Tue Aug 23 11:29:49 PDT 2011 From:
host3 Obsoletes: 123426-05 123839-07 Requires: 119578-30 Incompatibles:'
PATCH_INFO_137093-01='Installed: Tue Aug 23 11:30:19 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_137097-01='Installed: Tue Aug 23 11:30:20 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_137274-01='Installed: Tue Aug 23 11:30:28 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_140796-01='Installed: Tue Aug 23 11:34:11 PDT 2011 From:
host3 Obsoletes: 126419-02 Requires: Incompatibles:'
PATCH_INFO_140860-02='Installed: Tue Aug 23 11:34:13 PDT 2011 From:
host3 Obsoletes: 119267-01 119574-02 Requires: Incompatibles:'
PATCH_INFO_141016-01='Installed: Tue Aug 23 11:34:14 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_141032-01='Installed: Tue Aug 23 11:34:15 PDT 2011 From:
host3 Obsoletes: 141717-01 Requires: Incompatibles:'
PATCH_INFO_141496-01='Installed: Tue Aug 23 11:34:18 PDT 2011 From:
host3 Obsoletes: 141726-01 Requires: Incompatibles:'
PATCH_INFO_142251-02='Installed: Tue Aug 23 11:34:24 PDT 2011 From:
host3 Obsoletes: 121004-04 138253-02 139969-02 Requires: Incompatibles:'
PATCH_INFO_142292-01='Installed: Tue Aug 23 11:34:24 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_142911-01='Installed: Tue Aug 23 11:34:28 PDT 2011 From:
host3 Obsoletes: 143055-01 Requires: Incompatibles:'
PATCH_INFO_144526-01='Installed: Tue Aug 23 11:35:13 PDT 2011 From:

```

```

host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_144647-01='Installed: Tue Aug 23 11:35:15 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_145959-01='Installed: Tue Aug 23 11:36:49 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_146292-01='Installed: Tue Aug 23 11:37:09 PDT 2011 From:
host3 Obsoletes: 126314-01 126649-02 138854-01 Requires: Incompatibles:'
PATCH_INFO_146673-01='Installed: Tue Aug 23 11:37:13 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_147186-01='Installed: Tue Aug 23 11:37:25 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_121453-02='Installed: Tue Aug 23 11:38:18 PDT 2011 From:
host3 Obsoletes: 120776-03 121086-02 119107-07 Requires: 119574-02
119254-06 Incompatibles:'
PATCH_INFO_138217-01='Installed: Tue Aug 23 11:38:52 PDT 2011 From:
host3 Obsoletes: 119042-11 Requires: 119254-51 Incompatibles:'
PATCH_INFO_138866-03='Installed: Tue Aug 23 11:39:08 PDT 2011 From:
host3 Obsoletes: Requires: 125555-01 126419-02 Incompatibles:'
PATCH_INFO_118833-36='Installed: Tue Aug 23 11:41:57 PDT 2011 From:
host3 Obsoletes: 118822-30 118348-01 118868-01 120996-02 121298-01
119712-04 119852-03 119943-01 119984-03 120052-03 120196-02 121000-05
117170-01 117461-08 118370-04 118375-07 118852-07 118874-02 118911-01
118913-02 118927-02 118996-04 119216-02 119218-02 119374-13 119444-03
119557-09 119568-02 119569-02 119572-01 119596-03 119681-08 119687-02
119689-08 119715-10 119828-05 119939-01 119941-03 119992-02 119994-01
119996-01 120009-01 120030-03 120034-01 120054-02 120083-01 120251-02
120254-03 120258-02 120300-01 120362-02 120627-01 121237-01 121266-01
121268-01 121276-03 121280-01 121301-02 121777-01 121784-01 121788-02
121790-01 121792-01 121794-02 121796-01 121798-01 121800-01 121802-01
121804-01 121806-01 121808-01 121810-01 121812-01 121814-01 121816-01
121818-01 121820-01 121822-01 121824-01 121826-01 121832-01 121834-01
121836-01 121838-01 121840-01 121842-01 121844-01 121846-01 121848-01
121850-01 121852-01 121854-01 121894-01 122079-01 122081-01 122176-01
122235-01 122237-02 122241-01 122242-01 122243-01 122294-01 122296-01
122298-01 122302-01 122304-01 122306-01 122314-01 122316-01 122318-01
122320-01 122322-01 122324-01 122334-01 122336-01 122338-01 122339-01
122342-01 122344-01 122346-01 122348-01 122350-01 122644-01 120661-04
121694-01 118346-05 118812-03 118857-01 118920-02 119562-01 119571-01
119587-01 120467-05 121782-01 123950-02 118915-01 119560-02 119561-03
119333-01 119582-04 122333-01 122364-01 122366-01 122368-01 122370-01
122372-01 122374-01 122378-01 122380-01 122382-01 122384-01 122386-01
122392-01 119850-22 119982-05 120036-07 120253-03 120664-01 120844-01
121236-02 121693-03 122027-08 122215-01 122253-01 122388-01 122406-01
122523-03 122539-06 122650-02 122750-01 123302-01 123320-01 123352-05
123524-01 122394-01 122519-01 122652-04 123336-01 120198-05 121302-01
122195-03 122648-02 122856-03 123066-01 123304-02 123442-02 123522-01
123914-02 123952-01 124282-01 118548-01 118550-04 119719-01 119205-03
119207-02 119564-01 119215-02 119334-02 119566-01 119831-01 119682-02
118859-01 118992-03 119858-02 120197-01 118850-03 119589-03 118551-03
118835-04 118846-02 118923-04 119075-14 119577-01 119683-02 119832-02
119945-02 119951-01 119949-02 119983-01 119990-01 120017-02 120302-01
120304-05 119947-02 120066-01 118553-04 119591-03 119979-01 120537-05
120013-02 120471-02 124206-02 118870-02 123348-04 122410-01 Requires:
118918-13 119254-14 119042-09 119578-30 Incompatibles:'
PATCH_INFO_121561-04='Installed: Tue Aug 23 11:44:44 PDT 2011 From:
host3 Obsoletes: Requires: 119042-02 Incompatibles:'

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PATCH_INFO_122640-05='Installed: Tue Aug 23 11:44:46 PDT 2011 From:
host3 Obsoletes: Requires: 118833-12 Incompatibles:'
PATCH_INFO_123912-02='Installed: Tue Aug 23 11:45:04 PDT 2011 From:
host3 Obsoletes: 123424-02 Requires: 118833-25 Incompatibles:'
PATCH_INFO_125503-02='Installed: Tue Aug 23 11:45:22 PDT 2011 From:
host3 Obsoletes: Requires: 118833-36 118918-24 119042-09 119374-06
119574-02 119578-30 119689-04 120272-03 120900-04 121133-02 121901-01
122640-05 123839-01 Incompatibles:'
PATCH_INFO_127755-01='Installed: Tue Aug 23 11:45:30 PDT 2011 From:
host3 Obsoletes: 125800-02 125369-13 Requires: 118833-36 119578-30
123839-07 126897-02 Incompatibles:'
PATCH_INFO_138766-01='Installed: Tue Aug 23 11:45:47 PDT 2011 From:
host3 Obsoletes: 139926-01 Requires: 119042-09 121901-01 Incompatibles:'
PATCH_INFO_139962-02='Installed: Tue Aug 23 11:45:51 PDT 2011 From:
host3 Obsoletes: 137117-01 138267-03 Requires: 118833-36 119254-51
Incompatibles:'
PATCH_INFO_145120-01='Installed: Tue Aug 23 11:46:01 PDT 2011 From:
host3 Obsoletes: 145100-01 Requires: 118833-36 119042-09 121901-01
Incompatibles:'
PATCH_INFO_120011-14='Installed: Tue Aug 23 11:48:18 PDT 2011 From:
host3 Obsoletes: 116781-02 117447-01 117463-05 118371-10 118373-01
118564-03 118731-01 118879-02 118890-03 118925-05 118929-05 119012-03
119073-03 119077-10 119265-02 119332-01 119336-01 119573-02 119580-05
119586-02 119593-01 119685-11 119824-02 119826-02 119981-09 119985-02
119998-02 120023-01 120032-04 120048-03 120050-06 120469-07 120473-12
120629-08 120780-04 120809-01 120824-09 120845-05 120990-02 120998-02
121006-02 121010-06 121215-01 121229-02 121235-01 121278-01 121282-02
121284-02 121288-03 121292-01 121294-01 121406-01 121473-01 121474-01
121476-01 121478-01 121786-01 121905-01 122251-01 122328-01 122404-01
122412-01 122513-02 122535-01 122637-01 122646-02 122658-04 122660-10
122662-05 122752-04 123017-01 123249-02 123256-02 123324-03 123330-01
123350-01 123354-03 123356-02 123362-01 123418-02 123420-02 123422-03
123441-05 123444-01 123910-03 123911-01 123916-05 123954-01 124204-04
124208-01 124250-03 124254-04 124258-07 124280-01 124286-01 124327-04
124442-01 124916-03 124918-02 124921-02 124922-03 124987-02 124990-01
124993-01 124995-01 125009-01 125011-01 125014-03 125018-02 125020-01
125024-01 125026-01 125028-03 125035-01 125040-01 125042-02 125073-01
125077-03 125079-01 125100-10 125112-01 125114-01 125116-02 125118-01
125120-03 125123-01 125127-01 125129-01 125198-02 125203-01 125329-03
125363-06 125371-01 125383-01 125385-02 125420-01 125422-01 125424-01
125427-01 125430-01 125432-01 125465-02 125478-01 125486-01 125488-02
125492-01 125494-02 125497-01 125792-01 125795-01 126255-01 126303-02
126310-01 126320-01 126429-01 126536-01 126663-01 126838-01 Requires:
118833-36 118918-24 119042-09 119254-42 119574-02 119578-30 120272-12
120900-04 121133-02 121901-01 122640-05 125369-05 125503-02 125547-01
126419-01 126897-02 Incompatibles:'
PATCH_INFO_127127-11='Installed: Tue Aug 23 11:49:37 PDT 2011 From:
host3 Obsoletes: 118557-09 118560-02 118562-14 118843-01 120046-01
120068-03 120737-01 121132-03 121233-01 121239-02 121290-03 121721-01
121944-03 122363-02 122537-02 123360-01 123398-02 123564-01 123712-01
123836-01 123915-01 124235-03 124252-03 124256-06 125016-02 125037-06
125043-01 125081-16 125122-01 125131-01 125169-01 125196-05 125202-01
125251-02 125253-01 125367-03 125380-02 125382-01 125418-01 125482-03
125484-04 125490-02 125501-01 125553-03 125890-03 125899-01 125917-03
126135-01 126143-01 126144-02 126322-01 126423-03 126432-01 126434-06
126448-05 126450-01 126647-02 126664-01 126665-01 126666-01 126668-01

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126670-01 126672-02 126916-01 127111-11 127716-01 127718-05 127728-06
 127730-04 127732-01 127741-01 127745-01 127747-01 127749-03 127750-01
 127753-02 127757-01 127761-01 127855-02 127858-01 127862-01 127874-01
 127880-02 127918-02 127966-01 127982-01 127984-02 127990-02 127992-01
 128002-01 128028-03 128030-03 128314-01 128404-01 128500-01 136718-01
 136887-01 137044-01 137082-01 137113-01 Requires: 118731-01 118833-36
 118918-24 119042-09 119254-51 119578-30 120011-14 120900-04 121133-02
 121901-01 125891-01 126540-02 126897-02 127755-01 Incompatibles:'
 PATCH_INFO_128402-02='Installed: Tue Aug 23 11:50:08 PDT 2011 From:
 host3 Obsoletes: Requires: 120011-14 Incompatibles:'
 PATCH_INFO_137115-01='Installed: Tue Aug 23 11:50:15 PDT 2011 From:
 host3 Obsoletes: Requires: 120011-14 119254-51 Incompatibles:'
 PATCH_INFO_137137-09='Installed: Tue Aug 23 11:50:31 PDT 2011 From:
 host3 Obsoletes: 120741-01 120986-12 120992-02 121008-02 121274-01
 121414-01 122029-01 122083-02 122172-06 122174-03 122356-01 122358-01
 122517-04 122525-03 123186-03 123809-02 123932-02 124999-01 125416-06
 126133-04 126145-01 126304-01 126653-01 126661-02 126674-01 127714-03
 127735-02 127739-03 127866-05 127868-01 127886-06 127888-11 127892-06
 127914-01 127959-02 127968-01 127970-01 128294-02 128400-05 128408-01
 128410-01 128413-01 128493-01 128548-08 136885-04 137042-01 137045-01
 137050-01 137086-01 137091-01 137099-01 137109-01 137111-08 137119-01
 137127-01 137135-01 137139-01 137280-02 137287-01 138042-05 138048-05
 138050-01 138051-01 138052-01 138054-01 138056-02 138060-04 138064-03
 138066-01 138068-01 138070-03 138072-02 138074-01 138075-02 138108-01
 138125-01 138127-01 138225-02 138229-02 138233-01 138237-01 138243-02
 138249-01 138251-01 138257-01 138259-01 138265-01 138271-04 138273-01
 138277-01 138279-01 138280-01 138284-04 138305-01 138306-01 138308-02
 138310-01 138312-01 138314-01 138315-01 138316-01 138363-01 138365-01
 138379-01 138390-02 138394-01 138401-01 138899-01 Requires: 118731-01
 118822-24 118833-36 118918-24 119254-58 119374-09 119578-30 120011-14
 120900-04 121133-02 125503-02 126897-02 127127-11 127755-01 138866-01
 Incompatibles:'
 PATCH_INFO_138181-01='Installed: Tue Aug 23 11:50:58 PDT 2011 From:
 host3 Obsoletes: 138159-01 Requires: 120011-14 125503-02 Incompatibles:'
 PATCH_INFO_139555-08='Installed: Tue Aug 23 11:51:17 PDT 2011 From:
 host3 Obsoletes: 120062-01 121130-01 125551-02 126264-01 127743-02
 127853-02 128253-01 128296-01 128318-01 128322-01 128340-01 128406-01
 137095-01 137106-01 137278-01 138058-01 138106-02 138114-01 138231-01
 138241-05 138397-01 138639-01 138850-01 138864-01 138878-01 138888-08
 139385-02 139458-01 139459-01 139466-04 139483-05 139489-03 139492-01
 139494-01 139498-04 139500-04 139502-03 139506-01 139551-01 139558-03
 139560-02 139562-02 139566-01 139570-05 139571-01 139572-02 139574-03
 139579-04 139931-01 139936-01 139938-01 139939-01 139942-01 139947-01
 139951-01 139952-01 139960-02 139965-01 139994-01 140000-04 140076-02
 140077-01 140142-01 140173-01 140194-04 140196-01 140197-01 140334-01
 140389-01 140402-01 140411-01 140677-01 140679-01 140774-03 140776-01
 140794-01 140855-01 141006-01 141008-01 Requires: 125555-02 118731-01
 118833-36 118918-24 119042-09 119254-41 119578-30 120011-14 120900-04
 121133-02 126897-02 127127-11 127755-01 137137-09 138217-01 140796-01
 140899-01 141016-01 Incompatibles:'
 PATCH_INFO_141444-09='Installed: Tue Aug 23 11:52:07 PDT 2011 From:
 host3 Obsoletes: 119143-02 120807-01 122754-01 123402-01 124924-01
 125915-01 126266-01 126421-02 128004-01 128304-04 128306-05 128328-01
 128334-01 128491-01 137021-03 137121-06 137129-06 137141-01 137289-02
 137292-01 138044-02 138083-01 138104-01 138130-01 138174-04 138255-03
 138269-02 138392-01 138625-02 138629-01 139386-02 139462-02 139464-01

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139490-01 139881-01 139928-03 139956-01 139964-03 139973-01 139974-03
139977-07 139982-04 139985-02 139991-03 139993-03 139996-02 140150-01
140338-01 140408-01 140589-02 140916-02 140919-04 141028-01 141057-01
141414-10 141494-01 141510-03 141520-01 141524-03 141530-01 141538-01
141540-01 141546-01 141554-01 141556-01 141560-02 141690-02 141692-01
141694-02 141715-03 141721-03 141729-01 141731-01 141733-04 141736-05
141742-04 141743-04 141767-01 141770-01 141771-01 141775-01 141777-01
141781-02 141892-01 141894-01 141902-02 141908-01 141918-01 141920-03
141934-01 142004-01 142013-01 142051-01 142056-02 142246-01 142284-01
142479-01 142483-01 142489-01 Requires: 118833-36 118918-24 119042-09
119254-41 119578-30 120011-14 120900-04 121133-02 121901-01 121921-02
125503-02 126540-02 126897-02 127127-11 127755-01 137137-09 139555-08
142292-01 Incompatibles:'
PATCH_INFO_141900-01='Installed: Tue Aug 23 11:52:47 PDT 2011 From:
host3 Obsoletes: Requires: 118833-36 127127-11 137137-09 139555-08
Incompatibles:'
PATCH_INFO_142909-17='Installed: Tue Aug 23 11:53:40 PDT 2011 From:
host3 Obsoletes: 118814-01 120038-01 120816-01 121128-01 121394-03
122085-01 123194-01 123271-01 123332-02 123334-05 125022-01 125108-02
125174-02 125200-01 125201-01 125808-01 125896-03 126308-01 126428-01
127723-01 127759-03 127762-01 127882-03 128032-01 128324-02 128346-01
136891-02 137017-03 137028-01 137123-03 137133-01 137291-01 138046-02
138081-01 138098-01 138112-01 138116-01 138118-01 138120-01 138157-01
138169-01 138223-03 138263-03 138283-05 138318-03 138324-03 138375-01
138381-01 138411-01 138627-07 138644-01 138764-02 138848-02 138858-01
138870-01 138872-02 138874-05 139390-01 139468-01 139487-01 139503-01
139504-01 139508-01 139509-02 139514-01 139553-01 139568-01 139935-01
139941-01 139943-01 139945-03 139946-01 139948-01 139949-01 139958-01
139970-01 139971-01 139975-03 139983-04 140003-03 140078-01 140144-01
140146-01 140151-02 140157-03 140165-01 140167-01 140169-01 140175-01
140192-01 140386-04 140391-03 140395-01 140397-11 140401-01 140413-01
140557-01 140559-01 140562-02 140681-02 140788-01 140917-02 141012-01
141022-02 141026-14 141030-10 141034-02 141054-01 141536-01 141542-01
141544-01 141550-02 141562-02 141723-02 141740-01 141773-01 141780-01
141899-03 141906-01 141914-02 141922-02 142005-01 142055-03 142236-02
142242-05 142245-02 142247-01 142249-01 142257-05 142259-07 142263-01
142290-01 142330-01 142346-02 142390-03 142436-08 142481-01 142528-01
142539-01 142541-01 142675-01 142900-15 143051-01 143052-02 143054-01
143117-01 143119-02 143120-03 143122-02 143125-02 143128-05 143131-08
143135-03 143137-04 143350-05 143352-01 143354-03 143356-01 143357-05
143359-02 143360-01 143515-01 143519-01 143521-02 143523-04 143528-01
143556-04 143558-01 143565-01 143569-04 143574-01 143576-03 143583-02
143585-01 143586-02 143590-01 143595-01 143597-02 143603-01 143605-01
143607-01 143611-01 143613-01 143623-01 143895-01 143897-03 143899-01
143903-01 143905-01 143907-01 143909-06 143911-01 143920-02 143927-02
143933-01 143935-01 143943-01 144015-01 144017-01 144019-01 144021-01
144023-01 144043-01 144045-02 144049-01 144051-03 144056-01 144110-01
144182-01 144258-01 144369-01 144373-01 144389-01 144453-01 144494-01
144511-01 144624-01 144761-01 145024-01 145049-01 145051-01 145102-01
145103-01 Requires: 118731-01 118833-36 118918-24 119042-09 119578-30
120011-14 120900-04 121133-02 121901-01 126540-02 126897-02 127127-11
127755-01 137137-09 139555-08 141444-09 142911-01 142933-02
Incompatibles:'
PATCH_INFO_143513-02='Installed: Tue Aug 23 11:54:39 PDT 2011 From:
host3 Obsoletes: Requires: 118833-36 120011-14 125503-02 141444-09
Incompatibles:'

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PATCH_INFO_143609-03='Installed: Tue Aug 23 11:54:46 PDT 2011 From:
host3 Obsoletes: 144196-02 Requires: 118833-36 120011-14 139555-08
Incompatibles:'
PATCH_INFO_143954-04='Installed: Tue Aug 23 11:54:59 PDT 2011 From:
host3 Obsoletes: 142053-03 142485-01 142487-01 142535-03 Requires:
127127-11 139555-08 Incompatibles:'
PATCH_INFO_144039-02='Installed: Tue Aug 23 11:55:05 PDT 2011 From:
host3 Obsoletes: 140961-03 140964-02 Requires: 119042-09 120011-14
121901-01 123406-02 126419-02 139555-08 140796-01 141444-09 142909-17
Incompatibles:'
PATCH_INFO_144500-19='Installed: Tue Aug 23 11:55:30 PDT 2011 From:
host3 Obsoletes: 118735-02 118842-01 120044-01 120061-02 120085-02
120994-01 121559-01 122183-03 122408-01 123319-01 123908-02 124237-01
125167-01 125171-02 125414-01 125549-01 126258-03 126260-02 126319-01
126655-02 126896-01 127737-02 127998-01 128000-01 128326-01 136889-01
136892-01 138079-01 138085-01 138087-01 138089-01 138128-01 138239-01
138261-03 138291-01 138293-01 138320-02 138371-06 138373-02 138377-01
138383-01 138387-01 138634-01 138880-02 139478-01 139485-02 139959-04
140074-09 140161-01 140163-01 140190-01 140387-02 140399-03 140683-01
140784-01 140921-02 141010-01 141020-03 141024-01 141052-02 141500-08
141502-02 141506-10 141508-02 141534-01 141686-01 141738-01 142046-04
142238-02 142342-01 142542-01 143140-04 143559-10 143561-10 143571-02
143575-01 143592-09 144053-05 144055-01 144184-02 144254-01 144256-01
144302-01 144311-03 144313-01 144315-01 144367-02 144382-01 144384-02
144459-01 144488-17 144490-01 144508-02 144521-01 144530-01 144532-01
144536-02 144542-06 144548-01 144550-01 144552-01 144554-01 144561-02
144563-02 144565-05 144567-02 144571-02 144573-01 144574-06 144748-02
144754-01 144759-02 144874-01 144903-02 145021-01 145042-03 145046-01
145047-01 145107-02 145124-02 145788-03 145792-01 145794-01 145796-02
145798-08 145868-05 145870-01 145885-01 145887-01 145889-03 145893-02
145895-05 145897-01 145901-01 145907-02 145913-01 145915-01 145927-02
145933-02 145939-01 145941-02 145944-01 145961-02 145963-01 146017-04
146018-03 146019-02 146021-02 146023-01 146028-05 146030-01 146058-02
146062-02 146064-01 146066-02 146069-04 146070-01 146073-01 146132-01
146230-01 146277-01 146287-01 146327-01 146328-02 146336-03 146440-01
146442-01 146443-01 146447-02 146449-01 146478-01 146482-01 146484-01
146570-02 146584-01 146677-01 146701-01 146778-02 146802-03 146804-01
146842-01 146846-01 146855-01 146857-01 147053-01 147182-01 Requires:
118833-36 118918-24 119042-09 119254-41 119578-30 120011-14 121901-01
125891-01 126897-02 127127-11 127755-01 137137-09 139555-08 141444-09
142909-17 142933-03 144526-01 147061-01 Incompatibles:'
PATCH_INFO_144909-02='Installed: Tue Aug 23 11:56:33 PDT 2011 From:
host3 Obsoletes: 144746-01 Requires: 118833-36 120011-14 137137-09
142909-17 Incompatibles:'
PATCH_INFO_145019-01='Installed: Tue Aug 23 11:56:39 PDT 2011 From:
host3 Obsoletes: Requires: 118833-36 120011-14 139555-08 141444-09
Incompatibles:'
PATCH_INFO_146476-01='Installed: Tue Aug 23 11:58:04 PDT 2011 From:
host3 Obsoletes: 144544-01 Requires: 120011-14 139555-08 142909-17
Incompatibles:'
PATCH_INFO_119079-13='Installed: Tue Aug 23 12:35:13 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_121061-01='Installed: Tue Aug 23 12:36:04 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_121778-12='Installed: Tue Aug 23 12:36:18 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'

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PATCH_INFO_121780-12='Installed: Tue Aug 23 12:36:27 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_123259-12='Installed: Tue Aug 23 12:36:47 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_125095-15='Installed: Tue Aug 23 12:40:06 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_125888-01='Installed: Tue Aug 23 12:52:06 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_138287-07='Installed: Tue Aug 23 12:55:26 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_138289-07='Installed: Tue Aug 23 13:07:30 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800111-04='Installed: Tue Aug 23 13:11:38 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800113-04='Installed: Tue Aug 23 13:25:04 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800120-08='Installed: Tue Aug 23 13:28:17 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800122-08='Installed: Tue Aug 23 13:43:20 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800151-15='Installed: Tue Aug 23 13:47:24 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800153-15='Installed: Tue Aug 23 14:02:40 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800200-15='Installed: Tue Aug 23 14:41:55 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800202-16='Installed: Tue Aug 23 14:57:45 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
MODIFIED_AFTER_INSTALLED=''
INSTDATE='Jun 13 2012 04:25'
UPDATE='yes'
PATCH_UNCONDITIONAL='false'
PATCH_NO_UNDO='true'
PATCH_BUILD_DIR='none'
PATCH_UNDO_ARCHIVE='none'
INTERRUPTION='no'
PATCH_INFO_144526-02='Installed: Wed Jun 13 04:19:24 UTC 2012 From: host
Obsoletes: Requires: 125555-11 Incompatibles:'
SCRIPTS_DIR='/tmp/patch_sol_set/10_Recommended/11282011/patches/147440-12/s
125902-02 137276-01 140383-01 140563-03 141590-02 141765-01 143941-02
144534-02 146279-01 146281-01 146283-01 146294-03 146320-03 146322-01
146575-03 146767-02 147012-02 147157-02 147258-01 147268-01 147436-01
147699-01 147701-01 147713-01 147770-01 148229-01'
PATCH_INFO_147440-12='Installed: Wed Jun 13 04:25:06 UTC 2012 From: host
Obsoletes: 125804-01 125902-02 137276-01 140383-01 140563-03 141590-02
141765-01 143941-02 144534-02 146279-01 146281-01 146283-01 146294-03
146320-03 146322-01 146575-03 146767-02 147012-02 147157-02 147258-01
147268-01 147436-01 147699-01 147701-01 147713-01 147770-01 148229-01
Requires: 118833-36 120011-14 121133-02 125555-10 127127-11 137137-09
139555-08 141444-09 142909-17 142933-04 144500-19 Incompatibles:'
-- Exit status: 0
present.
Checking pkg SUNWdtrc...pkgparam -v SUNWdtrc 2>&1
CLASSES='none'
BASEDIR='/'
LANG=''

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TZ='UTC'
PKG_CLIENT_OS='Solaris'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_REVISION='0'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
OAMBASE='/usr/sadm/sysadm'
PKG='SUNWdtrc'
NAME='DTrace Clients'
ARCH='sparc'
VERSION='11.10.0,REV=2005.01.21.15.53'
SUNW_PRODNAME='SunOS'
SUNW_PRODVERS='5.10/Generic'
SUNW_PKGTYPE='usr'
SUNW_OBSOLETES=''
MAXINST='1000'
CATEGORY='system'
DESC='Dynamic Tracing (DTrace) Clients'
VENDOR='Oracle Corporation'
HOTLINE='Please contact your local service provider'
EMAIL=''
SUNW_PKGVERS='1.0'
SUNW_PKG_ALLZONES='true'
SUNW_PKG_HOLLOW='false'
SUNW_REQUIRES='118833-36 120011-14 121133-02 125555-10 127127-11
137137-09 139555-08 141444-09 142909-17 142933-04 144500-19'
SUNW_INCOMPAT=''
SUNW_PATCHID='147440-12'
PSTAMP='on10-patch20120207154906'
PKGINST='SUNWdtrc'
PKGSABV='/var/sadm/pkg/SUNWdtrc/save'
PKG_NO_UNIFIED='TRUE'
PATCHLIST='120900-04 118833-36 120011-14 127127-11 137137-09 139555-08
141444-09 142909-17 144500-19 146575-03 125095-15 138287-07 800111-04
800120-08 800151-15 800200-15 147440-12'
PATCH_INFO_120900-04='Installed: Tue Aug 23 11:22:23 PDT 2011 From:
host3 Obsoletes: 121266-01 Requires: Incompatibles:'
PATCH_INFO_118833-36='Installed: Tue Aug 23 11:42:01 PDT 2011 From:
host3 Obsoletes: 118822-30 118348-01 118868-01 120996-02 121298-01
119712-04 119852-03 119943-01 119984-03 120052-03 120196-02 121000-05
117170-01 117461-08 118370-04 118375-07 118852-07 118874-02 118911-01
118913-02 118927-02 118996-04 119216-02 119218-02 119374-13 119444-03
119557-09 119568-02 119569-02 119572-01 119596-03 119681-08 119687-02
119689-08 119715-10 119828-05 119939-01 119941-03 119992-02 119994-01
119996-01 120009-01 120030-03 120034-01 120054-02 120083-01 120251-02
120254-03 120258-02 120300-01 120362-02 120627-01 121237-01 121266-01
121268-01 121276-03 121280-01 121301-02 121777-01 121784-01 121788-02
121790-01 121792-01 121794-02 121796-01 121798-01 121800-01 121802-01
121804-01 121806-01 121808-01 121810-01 121812-01 121814-01 121816-01
121818-01 121820-01 121822-01 121824-01 121826-01 121832-01 121834-01
121836-01 121838-01 121840-01 121842-01 121844-01 121846-01 121848-01
121850-01 121852-01 121854-01 121894-01 122079-01 122081-01 122176-01
122235-01 122237-02 122241-01 122242-01 122243-01 122294-01 122296-01
122298-01 122302-01 122304-01 122306-01 122314-01 122316-01 122318-01
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122342-01 122344-01 122346-01 122348-01 122350-01 122644-01 120661-04
121694-01 118346-05 118812-03 118857-01 118920-02 119562-01 119571-01

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122372-01 122374-01 122378-01 122380-01 122382-01 122384-01 122386-01
122392-01 119850-22 119982-05 120036-07 120253-03 120664-01 120844-01
121236-02 121693-03 122027-08 122215-01 122253-01 122388-01 122406-01
122523-03 122539-06 122650-02 122750-01 123302-01 123320-01 123352-05
123524-01 122394-01 122519-01 122652-04 123336-01 120198-05 121302-01
122195-03 122648-02 122856-03 123066-01 123304-02 123442-02 123522-01
123914-02 123952-01 124282-01 118548-01 118550-04 119719-01 119205-03
119207-02 119564-01 119215-02 119334-02 119566-01 119831-01 119682-02
118859-01 118992-03 119858-02 120197-01 118850-03 119589-03 118551-03
118835-04 118846-02 118923-04 119075-14 119577-01 119683-02 119832-02
119945-02 119951-01 119949-02 119983-01 119990-01 120017-02 120302-01
120304-05 119947-02 120066-01 118553-04 119591-03 119979-01 120537-05
120013-02 120471-02 124206-02 118870-02 123348-04 122410-01 Requires:
118918-13 119254-14 119042-09 119578-30 Incompatibles:'
PATCH_INFO_120011-14='Installed: Tue Aug 23 11:48:22 PDT 2011 From:
host3 Obsoletes: 116781-02 117447-01 117463-05 118371-10 118373-01
118564-03 118731-01 118879-02 118890-03 118925-05 118929-05 119012-03
119073-03 119077-10 119265-02 119332-01 119336-01 119573-02 119580-05
119586-02 119593-01 119685-11 119824-02 119826-02 119981-09 119985-02
119998-02 120023-01 120032-04 120048-03 120050-06 120469-07 120473-12
120629-08 120780-04 120809-01 120824-09 120845-05 120990-02 120998-02
121006-02 121010-06 121215-01 121229-02 121235-01 121278-01 121282-02
121284-02 121288-03 121292-01 121294-01 121406-01 121473-01 121474-01
121476-01 121478-01 121786-01 121905-01 122251-01 122328-01 122404-01
122412-01 122513-02 122535-01 122637-01 122646-02 122658-04 122660-10
122662-05 122752-04 123017-01 123249-02 123256-02 123324-03 123330-01
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124208-01 124250-03 124254-04 124258-07 124280-01 124286-01 124327-04
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125024-01 125026-01 125028-03 125035-01 125040-01 125042-02 125073-01
125077-03 125079-01 125100-10 125112-01 125114-01 125116-02 125118-01
125120-03 125123-01 125127-01 125129-01 125198-02 125203-01 125329-03
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125492-01 125494-02 125497-01 125792-01 125795-01 126255-01 126303-02
126310-01 126320-01 126429-01 126536-01 126663-01 126838-01 Requires:
118833-36 118918-24 119042-09 119254-42 119574-02 119578-30 120272-12
120900-04 121133-02 121901-01 122640-05 125369-05 125503-02 125547-01
126419-01 126897-02 Incompatibles:'
PATCH_INFO_127127-11='Installed: Tue Aug 23 11:49:40 PDT 2011 From:
host3 Obsoletes: 118557-09 118560-02 118562-14 118843-01 120046-01
120068-03 120737-01 121132-03 121233-01 121239-02 121290-03 121721-01
121944-03 122363-02 122537-02 123360-01 123398-02 123564-01 123712-01
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125043-01 125081-16 125122-01 125131-01 125169-01 125196-05 125202-01
125251-02 125253-01 125367-03 125380-02 125382-01 125418-01 125482-03
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126448-05 126450-01 126647-02 126664-01 126665-01 126666-01 126668-01
126670-01 126672-02 126916-01 127111-11 127716-01 127718-05 127728-06
127730-04 127732-01 127741-01 127745-01 127747-01 127749-03 127750-01
127753-02 127757-01 127761-01 127855-02 127858-01 127862-01 127874-01

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127880-02 127918-02 127966-01 127982-01 127984-02 127990-02 127992-01
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 136887-01 137044-01 137082-01 137113-01 Requires: 118731-01 118833-36
 118918-24 119042-09 119254-51 119578-30 120011-14 120900-04 121133-02
 121901-01 125891-01 126540-02 126897-02 127755-01 Incompatibles:
 PATCH_INFO_137137-09='Installed: Tue Aug 23 11:50:32 PDT 2011 From:
 host3 Obsoletes: 120741-01 120986-12 120992-02 121008-02 121274-01
 121414-01 122029-01 122083-02 122172-06 122174-03 122356-01 122358-01
 122517-04 122525-03 123186-03 123809-02 123932-02 124999-01 125416-06
 126133-04 126145-01 126304-01 126653-01 126661-02 126674-01 127714-03
 127735-02 127739-03 127866-05 127868-01 127886-06 127888-11 127892-06
 127914-01 127959-02 127968-01 127970-01 128294-02 128400-05 128408-01
 128410-01 128413-01 128493-01 128548-08 136885-04 137042-01 137045-01
 137050-01 137086-01 137091-01 137099-01 137109-01 137111-08 137119-01
 137127-01 137135-01 137139-01 137280-02 137287-01 138042-05 138048-05
 138050-01 138051-01 138052-01 138054-01 138056-02 138060-04 138064-03
 138066-01 138068-01 138070-03 138072-02 138074-01 138075-02 138108-01
 138125-01 138127-01 138225-02 138229-02 138233-01 138237-01 138243-02
 138249-01 138251-01 138257-01 138259-01 138265-01 138271-04 138273-01
 138277-01 138279-01 138280-01 138284-04 138305-01 138306-01 138308-02
 138310-01 138312-01 138314-01 138315-01 138316-01 138363-01 138365-01
 138379-01 138390-02 138394-01 138401-01 138899-01 Requires: 118731-01
 118822-24 118833-36 118918-24 119254-58 119374-09 119578-30 120011-14
 120900-04 121133-02 125503-02 126897-02 127127-11 127755-01 138866-01
 Incompatibles:
 PATCH_INFO_139555-08='Installed: Tue Aug 23 11:51:18 PDT 2011 From:
 host3 Obsoletes: 120062-01 121130-01 125551-02 126264-01 127743-02
 127853-02 128253-01 128296-01 128318-01 128322-01 128340-01 128406-01
 137095-01 137106-01 137278-01 138058-01 138106-02 138114-01 138231-01
 138241-05 138397-01 138639-01 138850-01 138864-01 138878-01 138888-08
 139385-02 139458-01 139459-01 139466-04 139483-05 139489-03 139492-01
 139494-01 139498-04 139500-04 139502-03 139506-01 139551-01 139558-03
 139560-02 139562-02 139566-01 139570-05 139571-01 139572-02 139574-03
 139579-04 139931-01 139936-01 139938-01 139939-01 139942-01 139947-01
 139951-01 139952-01 139960-02 139965-01 139994-01 140000-04 140076-02
 140077-01 140142-01 140173-01 140194-04 140196-01 140197-01 140334-01
 140389-01 140402-01 140411-01 140677-01 140679-01 140774-03 140776-01
 140794-01 140855-01 141006-01 141008-01 Requires: 125555-02 118731-01
 118833-36 118918-24 119042-09 119254-41 119578-30 120011-14 120900-04
 121133-02 126897-02 127127-11 127755-01 137137-09 138217-01 140796-01
 140899-01 141016-01 Incompatibles:
 PATCH_INFO_141444-09='Installed: Tue Aug 23 11:52:07 PDT 2011 From:
 host3 Obsoletes: 119143-02 120807-01 122754-01 123402-01 124924-01
 125915-01 126266-01 126421-02 128004-01 128304-04 128306-05 128328-01
 128334-01 128491-01 137021-03 137121-06 137129-06 137141-01 137289-02
 137292-01 138044-02 138083-01 138104-01 138130-01 138174-04 138255-03
 138269-02 138392-01 138625-02 138629-01 139386-02 139462-02 139464-01
 139490-01 139881-01 139928-03 139956-01 139964-03 139973-01 139974-03
 139977-07 139982-04 139985-02 139991-03 139993-03 139996-02 140150-01
 140338-01 140408-01 140589-02 140916-02 140919-04 141028-01 141057-01
 141414-10 141494-01 141510-03 141520-01 141524-03 141530-01 141538-01
 141540-01 141546-01 141554-01 141556-01 141560-02 141690-02 141692-01
 141694-02 141715-03 141721-03 141729-01 141731-01 141733-04 141736-05
 141742-04 141743-04 141767-01 141770-01 141771-01 141775-01 141777-01
 141781-02 141892-01 141894-01 141902-02 141908-01 141918-01 141920-03
 141934-01 142004-01 142013-01 142051-01 142056-02 142246-01 142284-01

142479-01 142483-01 142489-01 Requires: 118833-36 118918-24 119042-09
 119254-41 119578-30 120011-14 120900-04 121133-02 121901-01 121921-02
 125503-02 126540-02 126897-02 127127-11 127755-01 137137-09 139555-08
 142292-01 Incompatibles:'
 PATCH_INFO_142909-17='Installed: Tue Aug 23 11:53:43 PDT 2011 From:
 host3 Obsoletes: 118814-01 120038-01 120816-01 121128-01 121394-03
 122085-01 123194-01 123271-01 123332-02 123334-05 125022-01 125108-02
 125174-02 125200-01 125201-01 125808-01 125896-03 126308-01 126428-01
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 136891-02 137017-03 137028-01 137123-03 137133-01 137291-01 138046-02
 138081-01 138098-01 138112-01 138116-01 138118-01 138120-01 138157-01
 138169-01 138223-03 138263-03 138283-05 138318-03 138324-03 138375-01
 138381-01 138411-01 138627-07 138644-01 138764-02 138848-02 138858-01
 138870-01 138872-02 138874-05 139390-01 139468-01 139487-01 139503-01
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 139941-01 139943-01 139945-03 139946-01 139948-01 139949-01 139958-01
 139970-01 139971-01 139975-03 139983-04 140003-03 140078-01 140144-01
 140146-01 140151-02 140157-03 140165-01 140167-01 140169-01 140175-01
 140192-01 140386-04 140391-03 140395-01 140397-11 140401-01 140413-01
 140557-01 140559-01 140562-02 140681-02 140788-01 140917-02 141012-01
 141022-02 141026-14 141030-10 141034-02 141054-01 141536-01 141542-01
 141544-01 141550-02 141562-02 141723-02 141740-01 141773-01 141780-01
 141899-03 141906-01 141914-02 141922-02 142005-01 142055-03 142236-02
 142242-05 142245-02 142247-01 142249-01 142257-05 142259-07 142263-01
 142290-01 142330-01 142346-02 142390-03 142436-08 142481-01 142528-01
 142539-01 142541-01 142675-01 142900-15 143051-01 143052-02 143054-01
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 143556-04 143558-01 143565-01 143569-04 143574-01 143576-03 143583-02
 143585-01 143586-02 143590-01 143595-01 143597-02 143603-01 143605-01
 143607-01 143611-01 143613-01 143623-01 143895-01 143897-03 143899-01
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 144023-01 144043-01 144045-02 144049-01 144051-03 144056-01 144110-01
 144182-01 144258-01 144369-01 144373-01 144389-01 144453-01 144494-01
 144511-01 144624-01 144761-01 145024-01 145049-01 145051-01 145102-01
 145103-01 Requires: 118731-01 118833-36 118918-24 119042-09 119578-30
 120011-14 120900-04 121133-02 121901-01 126540-02 126897-02 127127-11
 127755-01 137137-09 139555-08 141444-09 142911-01 142933-02
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 PATCH_INFO_144500-19='Installed: Tue Aug 23 11:55:31 PDT 2011 From:
 host3 Obsoletes: 118735-02 118842-01 120044-01 120061-02 120085-02
 120994-01 121559-01 122183-03 122408-01 123319-01 123908-02 124237-01
 125167-01 125171-02 125414-01 125549-01 126258-03 126260-02 126319-01
 126655-02 126896-01 127737-02 127998-01 128000-01 128326-01 136889-01
 136892-01 138079-01 138085-01 138087-01 138089-01 138128-01 138239-01
 138261-03 138291-01 138293-01 138320-02 138371-06 138373-02 138377-01
 138383-01 138387-01 138634-01 138880-02 139478-01 139485-02 139959-04
 140074-09 140161-01 140163-01 140190-01 140387-02 140399-03 140683-01
 140784-01 140921-02 141010-01 141020-03 141024-01 141052-02 141500-08
 141502-02 141506-10 141508-02 141534-01 141686-01 141738-01 142046-04
 142238-02 142342-01 142542-01 143140-04 143559-10 143561-10 143571-02
 143575-01 143592-09 144053-05 144055-01 144184-02 144254-01 144256-01
 144302-01 144311-03 144313-01 144315-01 144367-02 144382-01 144384-02
 144459-01 144488-17 144490-01 144508-02 144521-01 144530-01 144532-01


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144536-02 144542-06 144548-01 144550-01 144552-01 144554-01 144561-02
144563-02 144565-05 144567-02 144571-02 144573-01 144574-06 144748-02
144754-01 144759-02 144874-01 144903-02 145021-01 145042-03 145046-01
145047-01 145107-02 145124-02 145788-03 145792-01 145794-01 145796-02
145798-08 145868-05 145870-01 145885-01 145887-01 145889-03 145893-02
145895-05 145897-01 145901-01 145907-02 145913-01 145915-01 145927-02
145933-02 145939-01 145941-02 145944-01 145961-02 145963-01 146017-04
146018-03 146019-02 146021-02 146023-01 146028-05 146030-01 146058-02
146062-02 146064-01 146066-02 146069-04 146070-01 146073-01 146132-01
146230-01 146277-01 146287-01 146327-01 146328-02 146336-03 146440-01
146442-01 146443-01 146447-02 146449-01 146478-01 146482-01 146484-01
146570-02 146584-01 146677-01 146701-01 146778-02 146802-03 146804-01
146842-01 146846-01 146855-01 146857-01 147053-01 147182-01 Requires:
118833-36 118918-24 119042-09 119254-41 119578-30 120011-14 121901-01
125891-01 126897-02 127127-11 127755-01 137137-09 139555-08 141444-09
142909-17 142933-03 144526-01 147061-01 Incompatibles:'
PATCH_INFO_146575-03='Installed: Tue Aug 23 11:58:14 PDT 2011 From:
host3 Obsoletes: 141590-02 141765-01 143941-02 Requires: 118833-36
120011-14 127127-11 137137-09 139555-08 141444-09 142909-17
Incompatibles:'
PATCH_INFO_125095-15='Installed: Tue Aug 23 12:41:10 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_138287-07='Installed: Tue Aug 23 12:56:34 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800111-04='Installed: Tue Aug 23 13:12:48 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800120-08='Installed: Tue Aug 23 13:29:31 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800151-15='Installed: Tue Aug 23 13:48:39 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800200-15='Installed: Tue Aug 23 14:43:12 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
INSTDATE='Jun 13 2012 04:25'
UPDATE='yes'
PATCH_UNCONDITIONAL='false'
PATCH_NO_UNDO='true'
PATCH_BUILD_DIR='none'
PATCH_UNDO_ARCHIVE='none'
INTERRUPTION='no'
ACTIVE_OBSOLETES='125804-01 125902-02 137276-01 140383-01 140563-03
141590-02 141765-01 143941-02 144534-02 146279-01 146281-01 146283-01
146294-03 146320-03 146322-01 146575-03 146767-02 147012-02 147157-02
147258-01 147268-01 147436-01 147699-01 147701-01 147713-01 147770-01
148229-01'
PATCH_INFO_147440-12='Installed: Wed Jun 13 04:25:10 UTC 2012 From: host
Obsoletes: 125804-01 125902-02 137276-01 140383-01 140563-03 141590-02
141765-01 143941-02 144534-02 146279-01 146281-01 146283-01 146294-03
146320-03 146322-01 146575-03 146767-02 147012-02 147157-02 147258-01
147268-01 147436-01 147699-01 147701-01 147713-01 147770-01 148229-01
Requires: 118833-36 120011-14 121133-02 125555-10 127127-11 137137-09
139555-08 141444-09 142909-17 142933-04 144500-19 Incompatibles:'
SCRIPTS_DIR='/tmp/patch_sol_set/10_Recommended/11282011/patches/147440-12/'
Exit status: 0
present.
Checking pkg SUNWzoneu...pkgparam -v SUNWzoneu 2>&1
CLASSES='none'

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BASEDIR='/'
LANG=''
TZ='UTC'
PKG_CLIENT_OS='Solaris'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_REVISION='0'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
OAMBASE='/usr/sadm/sysadm'
PKG='SUNWzoneu'
NAME='Solaris Zones (Usr)'
ARCH='sparc'
VERSION='11.10.0,REV=2005.01.21.15.53'
SUNW_PRODNAME='SunOS'
SUNW_PRODVERS='5.10/Generic'
SUNW_PKGTYPE='usr'
SUNW_OBSOLETES=''
MAXINST='1000'
CATEGORY='system'
DESC='Solaris Zones Configuration and Administration'
VENDOR='Oracle Corporation'
HOTLINE='Please contact your local service provider'
EMAIL=''
SUNW_PKGVERS='1.0'
SUNW_PKG_ALLZONES='true'
SUNW_PKG_HOLLOW='false'
SUNW_REQUIRES='118833-36 120011-14 121133-02 125555-10 127127-11
137137-09 139555-08 141444-09 142909-17 142933-04 144500-19'
SUNW_INCOMPAT=''
SUNW_PATCHID='147440-12'
PSTAMP='on10-patch20120207154925'
PKGINST='SUNWzoneu'
PKGSAB=' /var/sadm/pkg/SUNWzoneu/save'
PKG_NO_UNIFIED='TRUE'
PATCHLIST='120900-04 121133-02 120011-14 127127-11 137137-09 139555-08
141444-09 142909-17 144569-01 145194-01 145911-03 146134-01 146334-01
146767-02 121778-12 123259-12 125095-15 138287-07 800111-04 800120-08
800151-15 800200-15 147440-12'
PATCH_INFO_120900-04='Installed: Tue Aug 23 11:22:24 PDT 2011 From:
host3 Obsoletes: 121266-01 Requires: Incompatibles:'
PATCH_INFO_121133-02='Installed: Tue Aug 23 11:22:28 PDT 2011 From:
host3 Obsoletes: 121333-03 Requires: 120900-04 Incompatibles:'
PATCH_INFO_120011-14='Installed: Tue Aug 23 11:49:04 PDT 2011 From:
host3 Obsoletes: 116781-02 117447-01 117463-05 118371-10 118373-01
118564-03 118731-01 118879-02 118890-03 118925-05 118929-05 119012-03
119073-03 119077-10 119265-02 119332-01 119336-01 119573-02 119580-05
119586-02 119593-01 119685-11 119824-02 119826-02 119981-09 119985-02
119998-02 120023-01 120032-04 120048-03 120050-06 120469-07 120473-12
120629-08 120780-04 120809-01 120824-09 120845-05 120990-02 120998-02
121006-02 121010-06 121215-01 121229-02 121235-01 121278-01 121282-02
121284-02 121288-03 121292-01 121294-01 121406-01 121473-01 121474-01
121476-01 121478-01 121786-01 121905-01 122251-01 122328-01 122404-01
122412-01 122513-02 122535-01 122637-01 122646-02 122658-04 122660-10
122662-05 122752-04 123017-01 123249-02 123256-02 123324-03 123330-01
123350-01 123354-03 123356-02 123362-01 123418-02 123420-02 123422-03
123441-05 123444-01 123910-03 123911-01 123916-05 123954-01 124204-04
124208-01 124250-03 124254-04 124258-07 124280-01 124286-01 124327-04

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124442-01 124916-03 124918-02 124921-02 124922-03 124987-02 124990-01
124993-01 124995-01 125009-01 125011-01 125014-03 125018-02 125020-01
125024-01 125026-01 125028-03 125035-01 125040-01 125042-02 125073-01
125077-03 125079-01 125100-10 125112-01 125114-01 125116-02 125118-01
125120-03 125123-01 125127-01 125129-01 125198-02 125203-01 125329-03
125363-06 125371-01 125383-01 125385-02 125420-01 125422-01 125424-01
125427-01 125430-01 125432-01 125465-02 125478-01 125486-01 125488-02
125492-01 125494-02 125497-01 125792-01 125795-01 126255-01 126303-02
126310-01 126320-01 126429-01 126536-01 126663-01 126838-01 Requires:
118833-36 118918-24 119042-09 119254-42 119574-02 119578-30 120272-12
120900-04 121133-02 121901-01 122640-05 125369-05 125503-02 125547-01
126419-01 126897-02 Incompatibles:'
PATCH_INFO_127127-11='Installed: Tue Aug 23 11:50:02 PDT 2011 From:
host3 Obsoletes: 118557-09 118560-02 118562-14 118843-01 120046-01
120068-03 120737-01 121132-03 121233-01 121239-02 121290-03 121721-01
121944-03 122363-02 122537-02 123360-01 123398-02 123564-01 123712-01
123836-01 123915-01 124235-03 124252-03 124256-06 125016-02 125037-06
125043-01 125081-16 125122-01 125131-01 125169-01 125196-05 125202-01
125251-02 125253-01 125367-03 125380-02 125382-01 125418-01 125482-03
125484-04 125490-02 125501-01 125553-03 125890-03 125899-01 125917-03
126135-01 126143-01 126144-02 126322-01 126423-03 126432-01 126434-06
126448-05 126450-01 126647-02 126664-01 126665-01 126666-01 126668-01
126670-01 126672-02 126916-01 127111-11 127716-01 127718-05 127728-06
127730-04 127732-01 127741-01 127745-01 127747-01 127749-03 127750-01
127753-02 127757-01 127761-01 127855-02 127858-01 127862-01 127874-01
127880-02 127918-02 127966-01 127982-01 127984-02 127990-02 127992-01
128002-01 128028-03 128030-03 128314-01 128404-01 128500-01 136718-01
136887-01 137044-01 137082-01 137113-01 Requires: 118731-01 118833-36
118918-24 119042-09 119254-51 119578-30 120011-14 120900-04 121133-02
121901-01 125891-01 126540-02 126897-02 127755-01 Incompatibles:'
PATCH_INFO_137137-09='Installed: Tue Aug 23 11:50:54 PDT 2011 From:
host3 Obsoletes: 120741-01 120986-12 120992-02 121008-02 121274-01
121414-01 122029-01 122083-02 122172-06 122174-03 122356-01 122358-01
122517-04 122525-03 123186-03 123809-02 123932-02 124999-01 125416-06
126133-04 126145-01 126304-01 126653-01 126661-02 126674-01 127714-03
127735-02 127739-03 127866-05 127868-01 127886-06 127888-11 127892-06
127914-01 127959-02 127968-01 127970-01 128294-02 128400-05 128408-01
128410-01 128413-01 128493-01 128548-08 136885-04 137042-01 137045-01
137050-01 137086-01 137091-01 137099-01 137109-01 137111-08 137119-01
137127-01 137135-01 137139-01 137280-02 137287-01 138042-05 138048-05
138050-01 138051-01 138052-01 138054-01 138056-02 138060-04 138064-03
138066-01 138068-01 138070-03 138072-02 138074-01 138075-02 138108-01
138125-01 138127-01 138225-02 138229-02 138233-01 138237-01 138243-02
138249-01 138251-01 138257-01 138259-01 138265-01 138271-04 138273-01
138277-01 138279-01 138280-01 138284-04 138305-01 138306-01 138308-02
138310-01 138312-01 138314-01 138315-01 138316-01 138363-01 138365-01
138379-01 138390-02 138394-01 138401-01 138899-01 Requires: 118731-01
118822-24 118833-36 118918-24 119254-58 119374-09 119578-30 120011-14
120900-04 121133-02 125503-02 126897-02 127127-11 127755-01 138866-01
Incompatibles:'
PATCH_INFO_139555-08='Installed: Tue Aug 23 11:51:37 PDT 2011 From:
host3 Obsoletes: 120062-01 121130-01 125551-02 126264-01 127743-02
127853-02 128253-01 128296-01 128318-01 128322-01 128340-01 128406-01
137095-01 137106-01 137278-01 138058-01 138106-02 138114-01 138231-01
138241-05 138397-01 138639-01 138850-01 138864-01 138878-01 138888-08
139385-02 139458-01 139459-01 139466-04 139483-05 139489-03 139492-01

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139494-01 139498-04 139500-04 139502-03 139506-01 139551-01 139558-03
 139560-02 139562-02 139566-01 139570-05 139571-01 139572-02 139574-03
 139579-04 139931-01 139936-01 139938-01 139939-01 139942-01 139947-01
 139951-01 139952-01 139960-02 139965-01 139994-01 140000-04 140076-02
 140077-01 140142-01 140173-01 140194-04 140196-01 140197-01 140334-01
 140389-01 140402-01 140411-01 140677-01 140679-01 140774-03 140776-01
 140794-01 140855-01 141006-01 141008-01 Requires: 125555-02 118731-01
 118833-36 118918-24 119042-09 119254-41 119578-30 120011-14 120900-04
 121133-02 126897-02 127127-11 127755-01 137137-09 138217-01 140796-01
 140899-01 141016-01 Incompatibles:'
 PATCH_INFO_141444-09='Installed: Tue Aug 23 11:52:32 PDT 2011 From:
 host3 Obsoletes: 119143-02 120807-01 122754-01 123402-01 124924-01
 125915-01 126266-01 126421-02 128004-01 128304-04 128306-05 128328-01
 128334-01 128491-01 137021-03 137121-06 137129-06 137141-01 137289-02
 137292-01 138044-02 138083-01 138104-01 138130-01 138174-04 138255-03
 138269-02 138392-01 138625-02 138629-01 139386-02 139462-02 139464-01
 139490-01 139881-01 139928-03 139956-01 139964-03 139973-01 139974-03
 139977-07 139982-04 139985-02 139991-03 139993-03 139996-02 140150-01
 140338-01 140408-01 140589-02 140916-02 140919-04 141028-01 141057-01
 141414-10 141494-01 141510-03 141520-01 141524-03 141530-01 141538-01
 141540-01 141546-01 141554-01 141556-01 141560-02 141690-02 141692-01
 141694-02 141715-03 141721-03 141729-01 141731-01 141733-04 141736-05
 141742-04 141743-04 141767-01 141770-01 141771-01 141775-01 141777-01
 141781-02 141892-01 141894-01 141902-02 141908-01 141918-01 141920-03
 141934-01 142004-01 142013-01 142051-01 142056-02 142246-01 142284-01
 142479-01 142483-01 142489-01 Requires: 118833-36 118918-24 119042-09
 119254-41 119578-30 120011-14 120900-04 121133-02 121901-01 121921-02
 125503-02 126540-02 126897-02 127127-11 127755-01 137137-09 139555-08
 142292-01 Incompatibles:'
 PATCH_INFO_142909-17='Installed: Tue Aug 23 11:54:27 PDT 2011 From:
 host3 Obsoletes: 118814-01 120038-01 120816-01 121128-01 121394-03
 122085-01 123194-01 123271-01 123332-02 123334-05 125022-01 125108-02
 125174-02 125200-01 125201-01 125808-01 125896-03 126308-01 126428-01
 127723-01 127759-03 127762-01 127882-03 128032-01 128324-02 128346-01
 136891-02 137017-03 137028-01 137123-03 137133-01 137291-01 138046-02
 138081-01 138098-01 138112-01 138116-01 138118-01 138120-01 138157-01
 138169-01 138223-03 138263-03 138283-05 138318-03 138324-03 138375-01
 138381-01 138411-01 138627-07 138644-01 138764-02 138848-02 138858-01
 138870-01 138872-02 138874-05 139390-01 139468-01 139487-01 139503-01
 139504-01 139508-01 139509-02 139514-01 139553-01 139568-01 139935-01
 139941-01 139943-01 139945-03 139946-01 139948-01 139949-01 139958-01
 139970-01 139971-01 139975-03 139983-04 140003-03 140078-01 140144-01
 140146-01 140151-02 140157-03 140165-01 140167-01 140169-01 140175-01
 140192-01 140386-04 140391-03 140395-01 140397-11 140401-01 140413-01
 140557-01 140559-01 140562-02 140681-02 140788-01 140917-02 141012-01
 141022-02 141026-14 141030-10 141034-02 141054-01 141536-01 141542-01
 141544-01 141550-02 141562-02 141723-02 141740-01 141773-01 141780-01
 141899-03 141906-01 141914-02 141922-02 142005-01 142055-03 142236-02
 142242-05 142245-02 142247-01 142249-01 142257-05 142259-07 142263-01
 142290-01 142330-01 142346-02 142390-03 142436-08 142481-01 142528-01
 142539-01 142541-01 142675-01 142900-15 143051-01 143052-02 143054-01
 143117-01 143119-02 143120-03 143122-02 143125-02 143128-05 143131-08
 143135-03 143137-04 143350-05 143352-01 143354-03 143356-01 143357-05
 143359-02 143360-01 143515-01 143519-01 143521-02 143523-04 143528-01
 143556-04 143558-01 143565-01 143569-04 143574-01 143576-03 143583-02
 143585-01 143586-02 143590-01 143595-01 143597-02 143603-01 143605-01

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143607-01 143611-01 143613-01 143623-01 143895-01 143897-03 143899-01
143903-01 143905-01 143907-01 143909-06 143911-01 143920-02 143927-02
143933-01 143935-01 143943-01 144015-01 144017-01 144019-01 144021-01
144023-01 144043-01 144045-02 144049-01 144051-03 144056-01 144110-01
144182-01 144258-01 144369-01 144373-01 144389-01 144453-01 144494-01
144511-01 144624-01 144761-01 145024-01 145049-01 145051-01 145102-01
145103-01 Requires: 118731-01 118833-36 118918-24 119042-09 119578-30
120011-14 120900-04 121133-02 121901-01 126540-02 126897-02 127127-11
127755-01 137137-09 139555-08 141444-09 142911-01 142933-02
Incompatibles: '
PATCH_INFO_144569-01='Installed: Tue Aug 23 11:56:20 PDT 2011 From:
host3 Obsoletes: Requires: 118731-01 120011-14 127127-11 137137-09
139555-08 142909-17 Incompatibles: '
PATCH_INFO_145194-01='Installed: Tue Aug 23 11:56:46 PDT 2011 From:
host3 Obsoletes: Requires: 137137-09 139555-08 Incompatibles: '
PATCH_INFO_145911-03='Installed: Tue Aug 23 11:57:14 PDT 2011 From:
host3 Obsoletes: 144556-03 Requires: 120011-14 120900-04 121133-02
127127-11 137137-09 139555-08 141444-09 142909-17 Incompatibles: '
PATCH_INFO_146134-01='Installed: Tue Aug 23 11:57:47 PDT 2011 From:
host3 Obsoletes: Requires: 142909-17 Incompatibles: '
PATCH_INFO_146334-01='Installed: Tue Aug 23 11:58:02 PDT 2011 From:
host3 Obsoletes: Requires: 120011-14 121133-02 127127-11 139555-08
142909-17 Incompatibles: '
PATCH_INFO_146767-02='Installed: Tue Aug 23 11:58:38 PDT 2011 From:
host3 Obsoletes: Requires: 120011-14 121133-02 127127-11 137137-09
139555-08 141444-09 142909-17 Incompatibles: '
PATCH_INFO_121778-12='Installed: Tue Aug 23 12:36:25 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles: '
PATCH_INFO_123259-12='Installed: Tue Aug 23 12:37:37 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles: '
PATCH_INFO_125095-15='Installed: Tue Aug 23 12:51:33 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles: '
PATCH_INFO_138287-07='Installed: Tue Aug 23 13:07:27 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles: '
PATCH_INFO_800111-04='Installed: Tue Aug 23 13:25:01 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles: '
PATCH_INFO_800120-08='Installed: Tue Aug 23 13:43:16 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles: '
PATCH_INFO_800151-15='Installed: Tue Aug 23 14:02:36 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles: '
PATCH_INFO_800200-15='Installed: Tue Aug 23 14:57:41 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles: '
INSTDATE='Jun 13 2012 04:25'
UPDATE='yes'
PATCH_UNCONDITIONAL='false'
PATCH_NO_UNDO='true'
PATCH_BUILD_DIR='none'
PATCH_UNDO_ARCHIVE='none'
INTERRUPTION='no'
ACTIVE_OBSOLETES='125804-01 125902-02 137276-01 140383-01 140563-03
141590-02 141765-01 143941-02 144534-02 146279-01 146281-01 146283-01
146294-03 146320-03 146322-01 146575-03 146767-02 147012-02 147157-02
147258-01 147268-01 147436-01 147699-01 147701-01 147713-01 147770-01
148229-01'
PATCH_INFO_147440-12='Installed: Wed Jun 13 04:25:43 UTC 2012 From: host
Obsoletes: 125804-01 125902-02 137276-01 140383-01 140563-03 141590-02

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141765-01 143941-02 144534-02 146279-01 146281-01 146283-01 146294-03
146320-03 146322-01 146575-03 146767-02 147012-02 147157-02 147258-01
147268-01 147436-01 147699-01 147701-01 147713-01 147770-01 148229-01
Requires: 118833-36 120011-14 121133-02 125555-10 127127-11 137137-09
139555-08 141444-09 142909-17 142933-04 144500-19 Incompatibles:'
SCRIPTS_DIR='/tmp/patch_sol_set/10_Recommended/11282011/patches/147440-12/s
Exit status: 0
present.
PATCHUTILS Unknown is already present.
Checking BZIP 11.10 ...
Checking pkg SUNWbzip...pkgparam -v SUNWbzip 2>&1
CLASSES='none'
BASEDIR='/'
LANG=''
TZ='UTC'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
OAMBASE='/usr/sadm/sysadm'
ARCH='sparc'
CATEGORY='system'
DESC='The bzip compression utility'
EMAIL=''
HOTLINE='Please contact your local service provider'
MAXINST='1000'
NAME='The bzip compression utility'
PKG='SUNWbzip'
SUNW_PKGTYPE='usr'
SUNW_PKGVERS='1.0'
SUNW_PRODNAME='SunOS'
SUNW_PRODVERS='5.10/SunOS Development'
VERSION='11.10.0, REV=2005.01.08.05.16'
PSTAMP='sfw10-patch20110415085252'
VENDOR='Oracle Corporation'
PATCHLIST='126868-04 137321-01 120272-31 128355-09 138423-06 138892-02
800102-01 800156-06 800198-06'
PATCH_INFO_126868-04='Installed: Tue Aug 23 11:29:47 PDT 2011 From:
host3 Obsoletes: 127784-01 Requires: Incompatibles:'
PATCH_INFO_137321-01='Installed: Tue Aug 23 11:30:29 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_120272-31='Installed: Tue Aug 23 11:43:21 PDT 2011 From:
host3 Obsoletes: Requires: 119042-09 121901-01 122539-05 Incompatibles:'
PATCH_INFO_128355-09='Installed: Tue Aug 23 12:52:51 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_138423-06='Installed: Tue Aug 23 13:07:40 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_138892-02='Installed: Tue Aug 23 13:08:10 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800102-01='Installed: Tue Aug 23 13:08:47 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800156-06='Installed: Tue Aug 23 14:03:31 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800198-06='Installed: Tue Aug 23 14:34:37 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PKGINST='SUNWbzip'
PKGSABV='/var/sadm/pkg/SUNWbzip/save'
INSTDATE='Jun 13 2012 03:51'
-- Exit status: 0

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present.
BZIP 11.10 is already present.
Checking RECOMMENDED 2013.02.19 ...
Checking pkg SUNWckr...pkgparam -v SUNWckr 2>&1
CLASSES='none etcsystem kcfconfbase manifest preserve renameold
scsihvciconf sdconf renamenew'
BASEDIR='/'
LANG=''
TZ='UTC'
PKG_CLIENT_OS='Solaris'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_REVISION='0'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
OAMBASE='/usr/sadm/sysadm'
PKG='SUNWckr'
NAME='Core Solaris Kernel (Root)'
ARCH='sparc'
VERSION='11.10.0, REV=2005.01.21.15.53'
SUNW_PRODNAME='SunOS'
SUNW_PRODVERS='5.10/Generic'
SUNW_PKGTYPE='root'
SUNW_OBSOLETE=' '
MAXINST='1000'
CATEGORY='system'
DESC='core kernel software for a specific instruction-set architecture'
VENDOR='Oracle Corporation'
HOTLINE='Please contact your local service provider'
EMAIL=' '
SUNW_PKGVERS='1.0'
SUNW_PKG_ALLZONES='true'
SUNW_PKG_HOLLOW='true'
SUNW_REQUIRES='118833-36 120011-14 121133-02 125555-10 127127-11
137137-09 139555-08 141444-09 142909-17 142933-04 144500-19'
SUNW_INCOMPAT=' '
SUNW_PATCHID='147440-12'
PSTAMP='on10-patch20120207154901'
PKGINST='SUNWckr'
PKGSAB=' /var/sadm/pkg/SUNWckr/save'
PKG_NO_UNIFIED='TRUE'
PATCHLIST='118918-24 119578-30 120311-02 138217-01 118833-36 121337-01
128310-01 146320-03 120011-14 127127-11 128332-01 137032-01 137137-09
137282-01 139555-08 141444-09 142332-03 142394-01 142909-17 144500-19
144534-02 145204-01 145919-02 145940-01 146060-01 146236-02 146283-01
146652-01 146834-01 147192-01 147440-01 121778-12 121780-12 123259-12
125095-15 125888-01 138287-07 138289-07 800111-04 800113-04 800120-08
800122-08 800151-15 800153-15 800200-15 800202-16 144524-02 147159-03
147440-12'
PATCH_INFO_118918-24='Installed: Tue Aug 23 11:14:21 PDT 2011 From:
host3 Obsoletes: 116781-02 119012-03 121282-02 121284-02 121292-01
121473-01 121476-01 121478-01 121786-01 123444-01 Requires:
Incompatibles:'
PATCH_INFO_119578-30='Installed: Tue Aug 23 11:16:41 PDT 2011 From:
host3 Obsoletes: 119330-01 119331-01 119559-01 119576-01 120635-02
122396-01 Requires: Incompatibles:'
PATCH_INFO_120311-02='Installed: Tue Aug 23 11:21:37 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'

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PATCH_INFO_138217-01='Installed: Tue Aug 23 11:38:52 PDT 2011 From:
host3 Obsoletes: 119042-11 Requires: 119254-51 Incompatibles:'
PATCH_INFO_118833-36='Installed: Tue Aug 23 11:41:54 PDT 2011 From:
host3 Obsoletes: 118822-30 118348-01 118868-01 120996-02 121298-01
119712-04 119852-03 119943-01 119984-03 120052-03 120196-02 121000-05
117170-01 117461-08 118370-04 118375-07 118852-07 118874-02 118911-01
118913-02 118927-02 118996-04 119216-02 119218-02 119374-13 119444-03
119557-09 119568-02 119569-02 119572-01 119596-03 119681-08 119687-02
119689-08 119715-10 119828-05 119939-01 119941-03 119992-02 119994-01
119996-01 120009-01 120030-03 120034-01 120054-02 120083-01 120251-02
120254-03 120258-02 120300-01 120362-02 120627-01 121237-01 121266-01
121268-01 121276-03 121280-01 121301-02 121777-01 121784-01 121788-02
121790-01 121792-01 121794-02 121796-01 121798-01 121800-01 121802-01
121804-01 121806-01 121808-01 121810-01 121812-01 121814-01 121816-01
121818-01 121820-01 121822-01 121824-01 121826-01 121832-01 121834-01
121836-01 121838-01 121840-01 121842-01 121844-01 121846-01 121848-01
121850-01 121852-01 121854-01 121894-01 122079-01 122081-01 122176-01
122235-01 122237-02 122241-01 122242-01 122243-01 122294-01 122296-01
122298-01 122302-01 122304-01 122306-01 122314-01 122316-01 122318-01
122320-01 122322-01 122324-01 122334-01 122336-01 122338-01 122339-01
122342-01 122344-01 122346-01 122348-01 122350-01 122644-01 120661-04
121694-01 118346-05 118812-03 118857-01 118920-02 119562-01 119571-01
119587-01 120467-05 121782-01 123950-02 118915-01 119560-02 119561-03
119333-01 119582-04 122333-01 122364-01 122366-01 122368-01 122370-01
122372-01 122374-01 122378-01 122380-01 122382-01 122384-01 122386-01
122392-01 119850-22 119982-05 120036-07 120253-03 120664-01 120844-01
121236-02 121693-03 122027-08 122215-01 122253-01 122388-01 122406-01
122523-03 122539-06 122650-02 122750-01 123302-01 123320-01 123352-05
123524-01 122394-01 122519-01 122652-04 123336-01 120198-05 121302-01
122195-03 122648-02 122856-03 123066-01 123304-02 123442-02 123522-01
123914-02 123952-01 124282-01 118548-01 118550-04 119719-01 119205-03
119207-02 119564-01 119215-02 119334-02 119566-01 119831-01 119682-02
118859-01 118992-03 119858-02 120197-01 118850-03 119589-03 118551-03
118835-04 118846-02 118923-04 119075-14 119577-01 119683-02 119832-02
119945-02 119951-01 119949-02 119983-01 119990-01 120017-02 120302-01
120304-05 119947-02 120066-01 118553-04 119591-03 119979-01 120537-05
120013-02 120471-02 124206-02 118870-02 123348-04 122410-01 Requires:
118918-13 119254-14 119042-09 119578-30 Incompatibles:'
PATCH_INFO_121337-01='Installed: Tue Aug 23 11:44:44 PDT 2011 From:
host3 Obsoletes: Requires: 118822-23 Incompatibles:'
PATCH_INFO_128310-01='Installed: Tue Aug 23 11:45:32 PDT 2011 From:
host3 Obsoletes: 128258-01 Requires: 118833-36 Incompatibles:'
PATCH_INFO_146320-03='Installed: Tue Aug 23 11:46:09 PDT 2011 From:
host3 Obsoletes: 140383-01 140563-03 146281-01 Requires: 118833-36
Incompatibles:'
PATCH_INFO_120011-14='Installed: Tue Aug 23 11:48:15 PDT 2011 From:
host3 Obsoletes: 116781-02 117447-01 117463-05 118371-10 118373-01
118564-03 118731-01 118879-02 118890-03 118925-05 118929-05 119012-03
119073-03 119077-10 119265-02 119332-01 119336-01 119573-02 119580-05
119586-02 119593-01 119685-11 119824-02 119826-02 119981-09 119985-02
119998-02 120023-01 120032-04 120048-03 120050-06 120469-07 120473-12
120629-08 120780-04 120809-01 120824-09 120845-05 120990-02 120998-02
121006-02 121010-06 121215-01 121229-02 121235-01 121278-01 121282-02
121284-02 121288-03 121292-01 121294-01 121406-01 121473-01 121474-01
121476-01 121478-01 121786-01 121905-01 122251-01 122328-01 122404-01
122412-01 122513-02 122535-01 122637-01 122646-02 122658-04 122660-10

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122662-05 122752-04 123017-01 123249-02 123256-02 123324-03 123330-01
123350-01 123354-03 123356-02 123362-01 123418-02 123420-02 123422-03
123441-05 123444-01 123910-03 123911-01 123916-05 123954-01 124204-04
124208-01 124250-03 124254-04 124258-07 124280-01 124286-01 124327-04
124442-01 124916-03 124918-02 124921-02 124922-03 124987-02 124990-01
124993-01 124995-01 125009-01 125011-01 125014-03 125018-02 125020-01
125024-01 125026-01 125028-03 125035-01 125040-01 125042-02 125073-01
125077-03 125079-01 125100-10 125112-01 125114-01 125116-02 125118-01
125120-03 125123-01 125127-01 125129-01 125198-02 125203-01 125329-03
125363-06 125371-01 125383-01 125385-02 125420-01 125422-01 125424-01
125427-01 125430-01 125432-01 125465-02 125478-01 125486-01 125488-02
125492-01 125494-02 125497-01 125792-01 125795-01 126255-01 126303-02
126310-01 126320-01 126429-01 126536-01 126663-01 126838-01 Requires:
118833-36 118918-24 119042-09 119254-42 119574-02 119578-30 120272-12
120900-04 121133-02 121901-01 122640-05 125369-05 125503-02 125547-01
126419-01 126897-02 Incompatibles:'
PATCH_INFO_127127-11='Installed: Tue Aug 23 11:49:34 PDT 2011 From:
host3 Obsoletes: 118557-09 118560-02 118562-14 118843-01 120046-01
120068-03 120737-01 121132-03 121233-01 121239-02 121290-03 121721-01
121944-03 122363-02 122537-02 123360-01 123398-02 123564-01 123712-01
123836-01 123915-01 124235-03 124252-03 124256-06 125016-02 125037-06
125043-01 125081-16 125122-01 125131-01 125169-01 125196-05 125202-01
125251-02 125253-01 125367-03 125380-02 125382-01 125418-01 125482-03
125484-04 125490-02 125501-01 125553-03 125890-03 125899-01 125917-03
126135-01 126143-01 126144-02 126322-01 126423-03 126432-01 126434-06
126448-05 126450-01 126647-02 126664-01 126665-01 126666-01 126668-01
126670-01 126672-02 126916-01 127111-11 127716-01 127718-05 127728-06
127730-04 127732-01 127741-01 127745-01 127747-01 127749-03 127750-01
127753-02 127757-01 127761-01 127855-02 127858-01 127862-01 127874-01
127880-02 127918-02 127966-01 127982-01 127984-02 127990-02 127992-01
128002-01 128028-03 128030-03 128314-01 128404-01 128500-01 136718-01
136887-01 137044-01 137082-01 137113-01 Requires: 118731-01 118833-36
118918-24 119042-09 119254-51 119578-30 120011-14 120900-04 121133-02
121901-01 125891-01 126540-02 126897-02 127755-01 Incompatibles:'
PATCH_INFO_128332-01='Installed: Tue Aug 23 11:50:06 PDT 2011 From:
host3 Obsoletes: 128495-01 Requires: 118833-36 120011-14 Incompatibles:'
PATCH_INFO_137032-01='Installed: Tue Aug 23 11:50:11 PDT 2011 From:
host3 Obsoletes: 136716-01 Requires: 118833-36 120011-14 Incompatibles:'
PATCH_INFO_137137-09='Installed: Tue Aug 23 11:50:29 PDT 2011 From:
host3 Obsoletes: 120741-01 120986-12 120992-02 121008-02 121274-01
121414-01 122029-01 122083-02 122172-06 122174-03 122356-01 122358-01
122517-04 122525-03 123186-03 123809-02 123932-02 124999-01 125416-06
126133-04 126145-01 126304-01 126653-01 126661-02 126674-01 127714-03
127735-02 127739-03 127866-05 127868-01 127886-06 127888-11 127892-06
127914-01 127959-02 127968-01 127970-01 128294-02 128400-05 128408-01
128410-01 128413-01 128493-01 128548-08 136885-04 137042-01 137045-01
137050-01 137086-01 137091-01 137099-01 137109-01 137111-08 137119-01
137127-01 137135-01 137139-01 137280-02 137287-01 138042-05 138048-05
138050-01 138051-01 138052-01 138054-01 138056-02 138060-04 138064-03
138066-01 138068-01 138070-03 138072-02 138074-01 138075-02 138108-01
138125-01 138127-01 138225-02 138229-02 138233-01 138237-01 138243-02
138249-01 138251-01 138257-01 138259-01 138265-01 138271-04 138273-01
138277-01 138279-01 138280-01 138284-04 138305-01 138306-01 138308-02
138310-01 138312-01 138314-01 138315-01 138316-01 138363-01 138365-01
138379-01 138390-02 138394-01 138401-01 138899-01 Requires: 118731-01
118822-24 118833-36 118918-24 119254-58 119374-09 119578-30 120011-14

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120900-04 121133-02 125503-02 126897-02 127127-11 127755-01 138866-01
Incompatibles:'

PATCH_INFO_137282-01='Installed: Tue Aug 23 11:50:56 PDT 2011 From:
host3 Obsoletes: Requires: 118833-36 120011-14 Incompatibles:'

PATCH_INFO_139555-08='Installed: Tue Aug 23 11:51:15 PDT 2011 From:
host3 Obsoletes: 120062-01 121130-01 125551-02 126264-01 127743-02
127853-02 128253-01 128296-01 128318-01 128322-01 128340-01 128406-01
137095-01 137106-01 137278-01 138058-01 138106-02 138114-01 138231-01
138241-05 138397-01 138639-01 138850-01 138864-01 138878-01 138888-08
139385-02 139458-01 139459-01 139466-04 139483-05 139489-03 139492-01
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139579-04 139931-01 139936-01 139938-01 139939-01 139942-01 139947-01
139951-01 139952-01 139960-02 139965-01 139994-01 140000-04 140076-02
140077-01 140142-01 140173-01 140194-04 140196-01 140197-01 140334-01
140389-01 140402-01 140411-01 140677-01 140679-01 140774-03 140776-01
140794-01 140855-01 141006-01 141008-01 Requires: 125555-02 118731-01
118833-36 118918-24 119042-09 119254-41 119578-30 120011-14 120900-04
121133-02 126897-02 127127-11 127755-01 137137-09 138217-01 140796-01
140899-01 141016-01 Incompatibles:'

PATCH_INFO_141444-09='Installed: Tue Aug 23 11:52:04 PDT 2011 From:
host3 Obsoletes: 119143-02 120807-01 122754-01 123402-01 124924-01
125915-01 126266-01 126421-02 128004-01 128304-04 128306-05 128328-01
128334-01 128491-01 137021-03 137121-06 137129-06 137141-01 137289-02
137292-01 138044-02 138083-01 138104-01 138130-01 138174-04 138255-03
138269-02 138392-01 138625-02 138629-01 139386-02 139462-02 139464-01
139490-01 139881-01 139928-03 139956-01 139964-03 139973-01 139974-03
139977-07 139982-04 139985-02 139991-03 139993-03 139996-02 140150-01
140338-01 140408-01 140589-02 140916-02 140919-04 141028-01 141057-01
141414-10 141494-01 141510-03 141520-01 141524-03 141530-01 141538-01
141540-01 141546-01 141554-01 141556-01 141560-02 141690-02 141692-01
141694-02 141715-03 141721-03 141729-01 141731-01 141733-04 141736-05
141742-04 141743-04 141767-01 141770-01 141771-01 141775-01 141777-01
141781-02 141892-01 141894-01 141902-02 141908-01 141918-01 141920-03
141934-01 142004-01 142013-01 142051-01 142056-02 142246-01 142284-01
142479-01 142483-01 142489-01 Requires: 118833-36 118918-24 119042-09
119254-41 119578-30 120011-14 120900-04 121133-02 121901-01 121921-02
125503-02 126540-02 126897-02 127127-11 127755-01 137137-09 139555-08
142292-01 Incompatibles:'

PATCH_INFO_142332-03='Installed: Tue Aug 23 11:52:54 PDT 2011 From:
host3 Obsoletes: 142007-01 Requires: 120011-14 127127-11 137137-09
139555-08 Incompatibles:'

PATCH_INFO_142394-01='Installed: Tue Aug 23 11:53:03 PDT 2011 From:
host3 Obsoletes: 141059-01 Requires: 118833-36 120011-14 127127-11
139555-08 Incompatibles:'

PATCH_INFO_142909-17='Installed: Tue Aug 23 11:53:33 PDT 2011 From:
host3 Obsoletes: 118814-01 120038-01 120816-01 121128-01 121394-03
122085-01 123194-01 123271-01 123332-02 123334-05 125022-01 125108-02
125174-02 125200-01 125201-01 125808-01 125896-03 126308-01 126428-01
127723-01 127759-03 127762-01 127882-03 128032-01 128324-02 128346-01
136891-02 137017-03 137028-01 137123-03 137133-01 137291-01 138046-02
138081-01 138098-01 138112-01 138116-01 138118-01 138120-01 138157-01
138169-01 138223-03 138263-03 138283-05 138318-03 138324-03 138375-01
138381-01 138411-01 138627-07 138644-01 138764-02 138848-02 138858-01
138870-01 138872-02 138874-05 139390-01 139468-01 139487-01 139503-01
139504-01 139508-01 139509-02 139514-01 139553-01 139568-01 139935-01

139941-01 139943-01 139945-03 139946-01 139948-01 139949-01 139958-01
139970-01 139971-01 139975-03 139983-04 140003-03 140078-01 140144-01
140146-01 140151-02 140157-03 140165-01 140167-01 140169-01 140175-01
140192-01 140386-04 140391-03 140395-01 140397-11 140401-01 140413-01
140557-01 140559-01 140562-02 140681-02 140788-01 140917-02 141012-01
141022-02 141026-14 141030-10 141034-02 141054-01 141536-01 141542-01
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141899-03 141906-01 141914-02 141922-02 142005-01 142055-03 142236-02
142242-05 142245-02 142247-01 142249-01 142257-05 142259-07 142263-01
142290-01 142330-01 142346-02 142390-03 142436-08 142481-01 142528-01
142539-01 142541-01 142675-01 142900-15 143051-01 143052-02 143054-01
143117-01 143119-02 143120-03 143122-02 143125-02 143128-05 143131-08
143135-03 143137-04 143350-05 143352-01 143354-03 143356-01 143357-05
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143556-04 143558-01 143565-01 143569-04 143574-01 143576-03 143583-02
143585-01 143586-02 143590-01 143595-01 143597-02 143603-01 143605-01
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143903-01 143905-01 143907-01 143909-06 143911-01 143920-02 143927-02
143933-01 143935-01 143943-01 144015-01 144017-01 144019-01 144021-01
144023-01 144043-01 144045-02 144049-01 144051-03 144056-01 144110-01
144182-01 144258-01 144369-01 144373-01 144389-01 144453-01 144494-01
144511-01 144624-01 144761-01 145024-01 145049-01 145051-01 145102-01
145103-01 Requires: 118731-01 118833-36 118918-24 119042-09 119578-30
120011-14 120900-04 121133-02 121901-01 126540-02 126897-02 127127-11
127755-01 137137-09 139555-08 141444-09 142911-01 142933-02
Incompatibles: '
PATCH_INFO_144500-19='Installed: Tue Aug 23 11:55:28 PDT 2011 From:
host3 Obsoletes: 118735-02 118842-01 120044-01 120061-02 120085-02
120994-01 121559-01 122183-03 122408-01 123319-01 123908-02 124237-01
125167-01 125171-02 125414-01 125549-01 126258-03 126260-02 126319-01
126655-02 126896-01 127737-02 127998-01 128000-01 128326-01 136889-01
136892-01 138079-01 138085-01 138087-01 138089-01 138128-01 138239-01
138261-03 138291-01 138293-01 138320-02 138371-06 138373-02 138377-01
138383-01 138387-01 138634-01 138880-02 139478-01 139485-02 139959-04
140074-09 140161-01 140163-01 140190-01 140387-02 140399-03 140683-01
140784-01 140921-02 141010-01 141020-03 141024-01 141052-02 141500-08
141502-02 141506-10 141508-02 141534-01 141686-01 141738-01 142046-04
142238-02 142342-01 142542-01 143140-04 143559-10 143561-10 143571-02
143575-01 143592-09 144053-05 144055-01 144184-02 144254-01 144256-01
144302-01 144311-03 144313-01 144315-01 144367-02 144382-01 144384-02
144459-01 144488-17 144490-01 144508-02 144521-01 144530-01 144532-01
144536-02 144542-06 144548-01 144550-01 144552-01 144554-01 144561-02
144563-02 144565-05 144567-02 144571-02 144573-01 144574-06 144748-02
144754-01 144759-02 144874-01 144903-02 145021-01 145042-03 145046-01
145047-01 145107-02 145124-02 145788-03 145792-01 145794-01 145796-02
145798-08 145868-05 145870-01 145885-01 145887-01 145889-03 145893-02
145895-05 145897-01 145901-01 145907-02 145913-01 145915-01 145927-02
145933-02 145939-01 145941-02 145944-01 145961-02 145963-01 146017-04
146018-03 146019-02 146021-02 146023-01 146028-05 146030-01 146058-02
146062-02 146064-01 146066-02 146069-04 146070-01 146073-01 146132-01
146230-01 146277-01 146287-01 146327-01 146328-02 146336-03 146440-01
146442-01 146443-01 146447-02 146449-01 146478-01 146482-01 146484-01
146570-02 146584-01 146677-01 146701-01 146778-02 146802-03 146804-01
146842-01 146846-01 146855-01 146857-01 147053-01 147182-01 Requires:
118833-36 118918-24 119042-09 119254-41 119578-30 120011-14 121901-01
125891-01 126897-02 127127-11 127755-01 137137-09 139555-08 141444-09

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142909-17 142933-03 144526-01 147061-01 Incompatibles:'
PATCH_INFO_144534-02='Installed: Tue Aug 23 11:56:05 PDT 2011 From:
host3 Obsoletes: Requires: 118833-36 120011-14 127127-11 137137-09
139555-08 141444-09 142909-17 Incompatibles:'
PATCH_INFO_145204-01='Installed: Tue Aug 23 11:56:53 PDT 2011 From:
host3 Obsoletes: Requires: 120011-14 127127-11 Incompatibles:'
PATCH_INFO_145919-02='Installed: Tue Aug 23 11:57:17 PDT 2011 From:
host3 Obsoletes: Requires: 118833-36 120011-14 139555-08 Incompatibles:'
PATCH_INFO_145940-01='Installed: Tue Aug 23 11:57:29 PDT 2011 From:
host3 Obsoletes: Requires: 118833-36 120011-14 127127-11 137137-09
141444-09 142909-17 Incompatibles:'
PATCH_INFO_146060-01='Installed: Tue Aug 23 11:57:43 PDT 2011 From:
host3 Obsoletes: Requires: 118833-36 137137-09 142909-17 Incompatibles:'
PATCH_INFO_146236-02='Installed: Tue Aug 23 11:57:53 PDT 2011 From:
host3 Obsoletes: Requires: 137137-09 Incompatibles:'
PATCH_INFO_146283-01='Installed: Tue Aug 23 11:57:55 PDT 2011 From:
host3 Obsoletes: Requires: 118833-36 137137-09 142909-17 Incompatibles:'
PATCH_INFO_146652-01='Installed: Tue Aug 23 11:58:24 PDT 2011 From:
host3 Obsoletes: Requires: 120011-14 139555-08 Incompatibles:'
PATCH_INFO_146834-01='Installed: Tue Aug 23 11:58:49 PDT 2011 From:
host3 Obsoletes: 125911-01 126262-01 Requires: 118833-36 120011-14
127127-11 137137-09 139555-08 142909-17 Incompatibles:'
PATCH_INFO_147192-01='Installed: Tue Aug 23 11:59:11 PDT 2011 From:
host3 Obsoletes: Requires: 118833-36 137137-09 141444-09 Incompatibles:'
PATCH_INFO_147440-01='Installed: Tue Aug 23 11:59:20 PDT 2011 From:
host3 Obsoletes: Requires: 118833-36 120011-14 125555-10 127127-11
137137-09 139555-08 141444-09 142909-17 144500-19 142933-04
Incompatibles:'
PATCH_INFO_121778-12='Installed: Tue Aug 23 12:36:17 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_121780-12='Installed: Tue Aug 23 12:36:26 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_123259-12='Installed: Tue Aug 23 12:36:44 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_125095-15='Installed: Tue Aug 23 12:39:30 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_125888-01='Installed: Tue Aug 23 12:52:05 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_138287-07='Installed: Tue Aug 23 12:54:57 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_138289-07='Installed: Tue Aug 23 13:07:30 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800111-04='Installed: Tue Aug 23 13:11:07 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800113-04='Installed: Tue Aug 23 13:25:04 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800120-08='Installed: Tue Aug 23 13:27:40 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800122-08='Installed: Tue Aug 23 13:43:20 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800151-15='Installed: Tue Aug 23 13:46:49 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800153-15='Installed: Tue Aug 23 14:02:39 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800200-15='Installed: Tue Aug 23 14:41:19 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'

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PATCH_INFO_800202-16='Installed: Tue Aug 23 14:57:45 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
INSTDATE='Jun 13 2012 04:24'
UPDATE='yes'
PATCH_UNCONDITIONAL='false'
PATCH_NO_UNDO='true'
PATCH_BUILD_DIR='none'
PATCH_UNDO_ARCHIVE='none'
INTERRUPTION='no'
PATCH_INFO_144524-02='Installed: Wed Jun 13 04:20:01 UTC 2012 From: host
Obsoletes: Requires: 118833-36 120011-14 127127-11 137137-09 139555-08
141444-09 142909-17 144500-19 Incompatibles:'
SCRIPTS_DIR='/tmp/patch_sol_set/10_Recommended/11282011/patches/147440-12/9
Wed Jun 13 04:23:49 UTC 2012 From: host Obsoletes: Requires: 118833-36
118918-24 120011-14 127127-11 137137-09 139555-08 141444-09 142909-17
144500-19 Incompatibles:'
ACTIVE_OBSOLETEs='125804-01 125902-02 137276-01 140383-01 140563-03
141590-02 141765-01 143941-02 144534-02 146279-01 146281-01 146283-01
146294-03 146320-03 146322-01 146575-03 146767-02 147012-02 147157-02
147258-01 147268-01 147436-01 147699-01 147701-01 147713-01 147770-01
148229-01'
PATCH_INFO_147440-12='Installed: Wed Jun 13 04:24:58 UTC 2012 From: host
Obsoletes: 125804-01 125902-02 137276-01 140383-01 140563-03 141590-02
141765-01 143941-02 144534-02 146279-01 146281-01 146283-01 146294-03
146320-03 146322-01 146575-03 146767-02 147012-02 147157-02 147258-01
147268-01 147436-01 147699-01 147701-01 147713-01 147770-01 148229-01
Requires: 118833-36 120011-14 121133-02 125555-10 127127-11 137137-09
139555-08 141444-09 142909-17 142933-04 144500-19 Incompatibles:'
-- Exit status: 0
present.
Checking pkg SUNWbzip... present.
Checking pkg SUNWpkgcmdsu... present.
RECOMMENDED 2013.02.19 is already present.
Checking MYSQL_MARKER 1.1 ...
Checking pkg SUNWcomms-mysql-marker... not present.
MYSQL_MARKER 1.1 is not present.
Checking MYSQL_MARKER 1.0 ...
Checking pkg SUNWcomms-mysql-marker... not present.
MYSQL_MARKER 1.0 is not present.
Checking MYSQL 5.5.8 ...
Checking pkg mysql... not present.
MYSQL 5.5.8 is not present.
Checking MYSQL 5.1.36 ...
Checking pkg mysql... not present.
MYSQL 5.1.36 is not present.
Checking ST 1.1.4 ...
Checking pkg SUNWservicetagr...pkgparam -v SUNWservicetagr 2>&1
CLASSES='none rbac manifest services'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:09'
PKGSAV='/var/sadm/pkg/SUNWservicetagr/save'
PKGINST='SUNWservicetagr'
OSREL='5.10'
OSROOT='/opt/CNSREbuild/src/servicetags/release/rel_114-01/servicetags/pro
contact your local service provider'
VENDOR='Sun Microsystems, Inc.'

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SUNW_PKGTYPE='root'
CATEGORY='system'
VERSION='1.1.4,REV=2008.03.21.07.54'
ARCH='sparc'
DESC='Service Tags Agent'
NAME='Service Tags (root)'
PKG='SUNWservicetagr'
SUNW_PKGVERS='1.0'
SUNW_PRODVERS='1.1.4.1'
SUNW_PRODNAME='Service Tags (root)'
PSTAMP='sparc(re-s10-s01)Fri Mar 21 07:54:10 MDT 2008'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWservicetagu...pkgparam -v SUNWservicetagu 2>&1
CLASSES='none rbac'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:09'
PKGSABV='/var/sadm/pkg/SUNWservicetagu/save'
PKGINST='SUNWservicetagu'
OSREL='5.10'
OSROOT='/opt/CNSREbuild/src/servicetags/release/rel_114-01/servicetags/pro
contact your local service provider'
VENDOR='Sun Microsystems, Inc.'
SUNW_PKGTYPE='usr'
CATEGORY='system'
VERSION='1.1.4,REV=2008.03.21.07.54'
ARCH='sparc'
DESC='Service Tags Agent'
NAME='Service Tags (Usr)'
PKG='SUNWservicetagu'
SUNW_PKGVERS='1.0'
SUNW_PRODVERS='1.1.4.1'
SUNW_PRODNAME='Service Tags (Usr)'
PSTAMP='sparc(re-s10-s01)Fri Mar 21 07:54:08 MDT 2008'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''

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-- Exit status: 0
present.
Checking pkg SUNWstosreg...pkgparam -v SUNWstosreg 2>&1
CLASSES='none manifest'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:09'
PKGSAB=' /var/sadm/pkg/SUNWstosreg/save'
PKGINST='SUNWstosreg'
OSREL='5.10'
OSROOT='/opt/CNSREbuild/src/servicetags/release/rel_114-01/servicetags/prot
contact your local service provider'
VENDOR='Sun Microsystems, Inc.'
SUNW_PKGTYPE='root'
CATEGORY='system'
VERSION='1.1.4, REV=2008.03.21.07.54'
ARCH='sparc'
DESC='Service Tags Solaris OS Registration'
NAME='Service Tags Solaris OS Registration'
PKG='SUNWstosreg'
SUNW_PKGVERS='1.0'
SUNW_PRODVERS='1.1.4.1'
SUNW_PRODNAME='Service Tags Solaris OS Registration'
PSTAMP='sparc(re-s10-s01)Fri Mar 21 07:54:11 MDT 2008'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
ST 1.1.4 is already present.
Checking NSS 4.8.9 ...
Checking pkg SUNWpr...pkgparam -v SUNWpr 2>&1
CLASSES='none'
BASEDIR='/'
SCRIPTS_DIR='/export/lim/work/msg_next/msg/test/ci_retrofit/ci/SunOS_sparc/
Thu Sep 5 23:52:59 PDT 2013 From: host Obsoletes: Requires:
Incompatibles:'
INTERRUPTION='no'
PATCH_UNDO_ARCHIVE='none'
PATCH_BUILD_DIR='none'
PATCH_NO_UNDO='false'
PATCH_UNCONDITIONAL='false'
UPDATE='yes'
PATCHLIST='125358-16 125358-17'
PATCH_INFO_125358-16='Installed: Sat Jun 1 17:59:57 PDT 2013 From: host4
Obsoletes: Requires: Incompatibles:'
INSTDATE='Sep 05 2013 23:52'
PKGSAB=' /var/sadm/pkg/SUNWpr/save'
PKGINST='SUNWpr'

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PSTAMP='host420130821035637'
SUNW_PATCHID='125358-17'
SUNW_PKGVERS='1.0'
EMAIL=''
HOTLINE='Please contact your local service provider'
VENDOR='Sun Microsystems, Inc.'
DESC='Netscape Portable Runtime Interface'
CATEGORY='system'
MAXINST='1000'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.9.5'
SUNW_PRODNAME='Netscape Portable Runtime'
VERSION='4.6.4,REV=2006.11.16.20.40'
ARCH='sparc'
NAME='Netscape Portable Runtime'
PKG='SUNWpr'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWprd...pkgparam -v SUNWprd 2>&1
CLASSES='none'
BASEDIR='/'
SCRIPTS_DIR='/export/lim/work/msg_next/msg/test/ci_retrofit/ci/SunOS_sparc/
Thu Sep 5 23:53:01 PDT 2013 From: host Obsoletes: Requires:
Incompatibles:'
INTERRUPTION='no'
PATCH_UNDO_ARCHIVE='none'
PATCH_BUILD_DIR='none'
PATCH_NO_UNDO='false'
PATCH_UNCONDITIONAL='false'
UPDATE='yes'
PATCHLIST='125358-16 125358-17'
PATCH_INFO_125358-16='Installed: Sat Jun 1 17:59:57 PDT 2013 From: host4
Obsoletes: Requires: Incompatibles:'
INSTDATE='Sep 05 2013 23:53'
PKGSABV='/var/sadm/pkg/SUNWprd/save'
PKGINST='SUNWprd'
PSTAMP='host420130821035737'
SUNW_PATCHID='125358-17'
SUNW_PKGVERS='1.0'
EMAIL=''
HOTLINE='Please contact your local service provider'
VENDOR='Sun Microsystems, Inc.'

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DESC='Netscape Portable Runtime Interface Files for Development'
CATEGORY='system'
MAXINST='1000'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.9.5'
SUNW_PRODNAME='Netscape Portable Runtime Development'
VERSION='4.6.4,REV=2006.11.16.20.40'
ARCH='sparc'
NAME='Netscape Portable Runtime Development'
PKG='SUNWprd'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWtls...pkgparam -v SUNWtls 2>&1
CLASSES='none'
BASEDIR='/'
SCRIPTS_DIR='/export/lim/work/msg_next/msg/test/ci_retrofit/ci/SunOS_sparc/
Thu Sep 5 23:53:06 PDT 2013 From: host Obsoletes: Requires:
Incompatibles:'
INTERRUPTION='no'
PATCH_UNDO_ARCHIVE='none'
PATCH_BUILD_DIR='none'
PATCH_NO_UNDO='false'
PATCH_UNCONDITIONAL='false'
UPDATE='yes'
PATCHLIST='125358-16 125358-17'
PATCH_INFO_125358-16='Installed: Sat Jun 1 17:59:58 PDT 2013 From: host4
Obsoletes: Requires: Incompatibles:'
INSTDATE='Sep 05 2013 23:53'
PKGSAB='/var/sadm/pkg/SUNWtls/save'
PKGINST='SUNWtls'
PSTAMP='host420130821035821'
SUNW_PATCHID='125358-17'
SUNW_PKGVERS='1.0'
EMAIL=''
HOTLINE='Please contact your local service provider'
VENDOR='Sun Microsystems, Inc.'
DESC='Network Security Services'
CATEGORY='system'
MAXINST='1000'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='3.14.3'
SUNW_PRODNAME='Network Security Services'

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VERSION='3.11.4,REV=2006.11.16.20.40'
ARCH='sparc'
NAME='Network Security Services'
PKG='SUNWtls'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWtlsd...pkgparam -v SUNWtlsd 2>&1
CLASSES='none'
BASEDIR='/'
SCRIPTS_DIR='/export/lim/work/msg_next/msg/test/ci_retrofit/ci/SunOS_sparc/
Thu Sep 5 23:53:12 PDT 2013 From: host Obsoletes: Requires:
Incompatibles:'
INTERRUPTION='no'
PATCH_UNDO_ARCHIVE='none'
PATCH_BUILD_DIR='none'
PATCH_NO_UNDO='false'
PATCH_UNCONDITIONAL='false'
UPDATE='yes'
PATCHLIST='125358-16 125358-17'
PATCH_INFO_125358-16='Installed: Sat Jun 1 17:59:58 PDT 2013 From: host4
Obsoletes: Requires: Incompatibles:'
INSTDATE='Sep 05 2013 23:53'
PKGSABV='/var/sadm/pkg/SUNWtlsd/save'
PKGINST='SUNWtlsd'
PSTAMP='host420130821040205'
SUNW_PATCHID='125358-17'
SUNW_PKGVERS='1.0'
EMAIL=''
HOTLINE='Please contact your local service provider'
VENDOR='Sun Microsystems, Inc.'
DESC='Network Security Services Files for Development'
CATEGORY='system'
MAXINST='1000'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='3.14.3'
SUNW_PRODNAME='Network Security Services Development'
VERSION='3.11.4,REV=2006.11.16.20.40'
ARCH='sparc'
NAME='Network Security Services Development'
PKG='SUNWtlsd'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'

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PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWtlsu...pkgparam -v SUNWtlsu 2>&1
CLASSES='none'
BASEDIR='/'
SCRIPTS_DIR='/export/lim/work/msg_next/msg/test/ci_retrofit/ci/SunOS_sparc/
Thu Sep 5 23:53:19 PDT 2013 From: host Obsoletes: Requires:
Incompatibles:'
INTERRUPTION='no'
PATCH_UNDO_ARCHIVE='none'
PATCH_BUILD_DIR='none'
PATCH_NO_UNDO='false'
PATCH_UNCONDITIONAL='false'
UPDATE='yes'
PATCHLIST='125358-16 125358-17'
PATCH_INFO_125358-16='Installed: Sat Jun 1 18:00:01 PDT 2013 From: host4
Obsoletes: Requires: Incompatibles:'
INSTDATE='Sep 05 2013 23:53'
PKGSAB='/var/sadm/pkg/SUNWtlsu/save'
PKGINST='SUNWtlsu'
PSTAMP='host420130821040102'
SUNW_PATCHID='125358-17'
SUNW_PKGVERS='1.0'
EMAIL=''
HOTLINE='Please contact your local service provider'
VENDOR='Sun Microsystems, Inc.'
DESC='Network Security Services'
CATEGORY='system'
MAXINST='1000'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='3.14.3'
SUNW_PRODNAME='Network Security Services Tools'
VERSION='3.11.4,REV=2006.11.16.20.40'
ARCH='sparc'
NAME='Network Security Services Tools'
PKG='SUNWtlsu'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''

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LC_MONETARY=' '
LC_MESSAGES=' '
LC_COLLATE=' '
LC_TIME=' '
LC_NUMERIC=' '
LC_CTYPE=' '
-- Exit status: 0
present.
Checking pkg SUNWjss...pkgparam -v SUNWjss 2>&1
CLASSES='none'
BASEDIR='/'
SCRIPTS_DIR='/export/lim/work/msg_next/msg/test/ci_retrofit/ci/SunOS_sparc/
Thu Sep 5 23:52:56 PDT 2013 From: host Obsoletes: Requires:
Incompatibles:'
INTERRUPTION='no'
PATCH_UNDO_ARCHIVE='none'
PATCH_BUILD_DIR='none'
PATCH_NO_UNDO='false'
PATCH_UNCONDITIONAL='false'
UPDATE='yes'
PATCHLIST='125358-16 125358-17'
PATCH_INFO_125358-16='Installed: Sat Jun 1 17:59:56 PDT 2013 From: host4
Obsoletes: Requires: Incompatibles:'
INSTDATE='Sep 05 2013 23:52'
PKGSAB=' /var/sadm/pkg/SUNWjss/save'
PKGINST='SUNWjss'
PSTAMP='host420130821040319'
SUNW_PATCHID='125358-17'
SUNW_PKGVERS='1.0'
EMAIL=' '
HOTLINE='Please contact your local service provider'
VENDOR='Sun Microsystems, Inc.'
DESC='Network Security Services for Java (JSS)'
CATEGORY='system'
MAXINST='1000'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.3.2'
SUNW_PRODNAME='Network Security Services for Java (JSS)'
VERSION='4.2.4,REV=2006.11.16.20.40'
ARCH='sparc'
NAME='Network Security Services for Java (JSS)'
PKG='SUNWjss'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=' '
LC_MONETARY=' '
LC_MESSAGES=' '
LC_COLLATE=' '
LC_TIME=' '
LC_NUMERIC=' '
LC_CTYPE=' '

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-- Exit status: 0
present.
NSS 4.8.9 is already present.
Checking SASL 2.19 ...
Checking pkg SUNWsas1...pkgparam -v SUNWsas1 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Oct 25 2013 18:42'
PKGSAB=' /var/sadm/pkg/SUNWsas1/save'
PKGINST='SUNWsas1'
PATCH_INFO_119345-08='Installed: Wed Oct 6 10:42:54 PDT 2010 From: host4
Obsoletes: Requires: Incompatibles:'
PATCHLIST='119345-08'
SUNW_PRODVERS='2.19'
SUNW_PRODNAME='SASL'
SUNW_PATCH_PROPERTIES=''
PSTAMP='host420101006104253'
VERSION='2.17,REV=2004.04.06.15.24'
VENDOR='Sun Microsystems, Inc.'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWsas1'
NAME='SASL'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Simple Authentication and Security Layer'
CATEGORY='system'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
SASL 2.19 is already present.
Checking LDAPSDK6 6.0 ...
Checking pkg SUNWldapcsdk-libs...pkgparam -v SUNWldapcsdk-libs 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Oct 25 2013 18:42'
PKGSAB=' /var/sadm/pkg/SUNWldapcsdk-libs/save'
PKGINST='SUNWldapcsdk-libs'
PATCH_INFO_145084-01='Installed: Tuesday, June 8, 2010 6:04:59 PM MEST
From: zedmil Obsoletes: Requires: Incompatibles:'
PATCH_INFO_136798-03='Installed: Tuesday, June 8, 2010 6:04:56 PM MEST
From: zedmil Obsoletes: Requires: Incompatibles:'
PATCHLIST='136798-03 145084-01'
PSTAMP='tagada20100608172022'

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VERSION='6.00,REV=2006.12.11.00.08'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODVERS='6.03'
SUNW_PRODNAME='Sun LDAP C SDK Libraries'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWldapcsdk-libs'
NAME='Sun LDAP C SDK Libraries'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun LDAP C SDK Libraries'
CATEGORY='system'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWldapcsdk-dev...pkgparam -v SUNWldapcsdk-dev 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Oct 25 2013 18:42'
PKGSABV='/var/sadm/pkg/SUNWldapcsdk-dev/save'
PKGINST='SUNWldapcsdk-dev'
PATCH_INFO_145084-01='Installed: Tuesday, June 8, 2010 6:04:58 PM MEST
From: zedmil Obsoletes: Requires: Incompatibles:'
PATCH_INFO_136798-03='Installed: Tuesday, June 8, 2010 6:04:56 PM MEST
From: zedmil Obsoletes: Requires: Incompatibles:'
PATCHLIST='136798-03 145084-01'
PSTAMP='tagada20100608172029'
VERSION='6.00,REV=2006.12.11.00.08'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODVERS='6.03'
SUNW_PRODNAME='Sun LDAP C SDK Development'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWldapcsdk-dev'
NAME='Sun LDAP C SDK Development'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun LDAP C SDK Development'
CATEGORY='system'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'

```

```

LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
LDAPCSK6 6.0 is already present.
Checking LDAPCSK6_TOOLS 6.0 ...
Checking pkg SUNWldapcsdk-tools...pkgparam -v SUNWldapcsdk-tools 2>&1
CLASSES='none'
BASEDIR='/opt/SUNWdsee'
INSTDATE='Oct 25 2013 18:42'
PKGSAB='/var/sadm/pkg/SUNWldapcsdk-tools/save'
PKGINST='SUNWldapcsdk-tools'
PATCH_INFO_145084-01='Installed: Tuesday, June 8, 2010 6:04:59 PM MEST
From: zedmil Obsolete: Requires: Incompatibles:'
PATCH_INFO_136798-03='Installed: Tuesday, June 8, 2010 6:04:57 PM MEST
From: zedmil Obsolete: Requires: Incompatibles:'
PATCHLIST='136798-03 145084-01'
PSTAMP='tagada20100608172026'
VERSION='6.00,REV=2006.12.11.00.08'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODVERS='6.03'
SUNW_PRODNAME='Sun LDAP C SDK Tools'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE=''
PKG='SUNWldapcsdk-tools'
NAME='Sun LDAP C SDK Tools'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun LDAP C SDK Tools'
CATEGORY='system'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
LDAPCSK6_TOOLS 6.0 is already present.
Checking ICU ICU2,ICU3 ...
Checking pkg SUNWicu...pkgparam -v SUNWicu 2>&1
CLASSES='none'
BASEDIR='/usr'

```

```

SCRIPTS_DIR='/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/
Fri Oct 25 18:43:40 PDT 2013 From: host Obsoletes: Requires:
Incompatibles:
INTERRUPTION='no'
PATCH_UNDO_ARCHIVE='none'
PATCH_BUILD_DIR='none'
PATCH_NO_UNDO='false'
PATCH_UNCONDITIONAL='false'
UPDATE='yes'
PATCHLIST='119810-05 119810-07'
PATCH_INFO_119810-05='Installed: Tue Apr 29 20:19:06 PDT 2008 From:
elfgrass Obsoletes: Requires: Incompatibles:
INSTDATE='Oct 25 2013 18:43'
PKGSAB=' /var/sadm/pkg/SUNWicu/save'
PKGINST='SUNWicu'
SUNW_PATCHID='119810-07'
ARCH='sparc'
VERSION='1.2,REV=2005.01.06.14.13'
PSTAMP=''
SUNW_PKGTYPE='usr'
SUNW_PKGVERS='1.0'
MAXINST='1000'
EMAIL=''
HOTLINE='Please contact your local service provider'
VENDOR='Sun Microsystems, Inc.'
DESC='International Components for Unicode User Files'
SUNW_PRODVERS='10/Generic'
SUNW_PRODNAME='International Components for Unicode User Files'
CATEGORY='system'
NAME='International Components for Unicode User Files'
PKG='SUNWicu'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
ICU ICU2,ICU3 is already present.
Checking JDK 1.6.0 ...
Checking pkg SUNWj6rt...pkgparam -v SUNWj6rt 2>&1
CLASSES='none'
BASEDIR='/usr'
INSTDATE='Nov 06 2013 01:09'
PKGSAB=' /var/sadm/pkg/SUNWj6rt/save'
PKGINST='SUNWj6rt'
PATCH_INFO_125136-28='Installed: Wed May 4 12:01:41 PDT 2011 From: mizu

```



```

Obsoletes: Requires: Incompatibles:
PATCHLIST='125136-28'
SUNW_PRODVERS='1.6.0_26/1.6.0_26-b03'
PSTAMP='jdk-sol-sparc20110504063500'
NAME='JDK 6.0 Runtime Env. (1.6.0_26)'
VERSION='1.6.0,REV=2006.11.29.05.57'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='JDK 6.0'
SUNW_PKG_THISZONE='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWj6rt'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Java Platform virtual machine and core class libraries'
CATEGORY='system'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWj6rtx...pkgparam -v SUNWj6rtx 2>&1
CLASSES='none'
BASEDIR='/usr'
INSTDATE='Nov 06 2013 01:09'
PKGSAB=' /var/sadm/pkg/SUNWj6rtx/save'
PKGINST='SUNWj6rtx'
PATCH_INFO_125137-28='Installed: Wed May 4 12:01:28 PDT 2011 From: mizu
Obsoletes: Requires: Incompatibles:
PATCHLIST='125137-28'
SUNW_PRODVERS='1.6.0_26/1.6.0_26-b03'
PSTAMP='j2se-build20110504060508'
NAME='JDK 6.0 64-bit Runtime Env. (1.6.0_26)'
VERSION='1.6.0,REV=2006.11.29.04.58'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='JDK 6.0'
SUNW_PKG_THISZONE='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWj6rtx'
MAXINST='1000'
HOTLINE='Please contact your local service provider'

```

```

EMAIL=''
DESC='Java Platform virtual machine and core class libraries (64 bit)'
CATEGORY='system'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWj6dev...pkgparam -v SUNWj6dev 2>&1
CLASSES='none'
BASEDIR='/usr'
INSTDATE='Nov 06 2013 01:09'
PKGSABV='/var/sadm/pkg/SUNWj6dev/save'
PKGINST='SUNWj6dev'
PATCH_INFO_125136-28='Installed: Wed May 4 12:01:31 PDT 2011 From: mizu
Obsoletes: Requires: Incompatibles:'
PATCHLIST='125136-28'
SUNW_PRODVERS='1.6.0_26/1.6.0_26-b03'
PSTAMP='jdk-sol-sparc20110504063533'
NAME='JDK 6.0 Dev. Tools (1.6.0_26)'
VERSION='1.6.0,REV=2006.11.29.05.57'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='JDK 6.0'
SUNW_PKG_THISZONE='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWj6dev'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Java Platform development tools'
CATEGORY='system'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0

```

```

present.
Checking pkg SUNWj6dvx...pkgparam -v SUNWj6dvx 2>&1
CLASSES='none'
BASEDIR='/usr'
INSTDATE='Nov 06 2013 01:09'
PKGSAB=' /var/sadm/pkg/SUNWj6dvx/save'
PKGINST='SUNWj6dvx'
PATCH_INFO_125137-28='Installed: Wed May 4 12:01:27 PDT 2011 From: mizu
Obsoletes: Requires: Incompatibles:'
PATCHLIST='125137-28'
SUNW_PRODVERS='1.6.0_26/1.6.0_26-b03'
PSTAMP='j2se-build20110504060513'
NAME='JDK 6.0 64-bit Dev. Tools (1.6.0_26)'
VERSION='1.6.0, REV=2006.11.29.04.58'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='JDK 6.0'
SUNW_PKG_THISZONE='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWj6dvx'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Java Platform development tools (64-bit)'
CATEGORY='system'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWj6cfg...pkgparam -v SUNWj6cfg 2>&1
CLASSES='none preserve'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:10'
PKGSAB=' /var/sadm/pkg/SUNWj6cfg/save'
PKGINST='SUNWj6cfg'
PATCH_INFO_125136-28='Installed: Wed May 4 12:01:31 PDT 2011 From: mizu
Obsoletes: Requires: Incompatibles:'
PATCHLIST='125136-28'
SUNW_PRODVERS='1.6.0_26/1.6.0_26-b03'
PSTAMP='jdk-sol-sparc20110504063526'
NAME='JDK 6.0 Host Config. (1.6.0_26)'
VERSION='1.6.0, REV=2006.11.29.05.57'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='JDK 6.0'

```

```

SUNW_PKG_THISZONE='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='root'
PKG='SUNWj6cfg'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Java Platform host specific configuration'
CATEGORY='system'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
JDK 1.6.0 is already present.
Checking JDK 1.5.0 ...
Checking pkg SUNWj5rt...pkgparam -v SUNWj5rt 2>&1
CLASSES='none'
BASEDIR='/usr'
INSTDATE='Feb 26 2013 14:05'
PKGSAB='/var/sadm/pkg/SUNWj5rt/save'
PKGINST='SUNWj5rt'
PATCH_INFO_118666-12='Installed: Mon Aug 20 17:51:13 PDT 2007 From: fern
Obsoletes: Requires: Incompatibles:'
PATCHLIST='118666-12'
SUNW_PRODVERS='1.5.0_12/1.5.0_12-b04'
PSTAMP='tiger-sparc20070502064448'
NAME='JDK 5.0 Runtime Env. (1.5.0_12)'
VERSION='1.5.0,REV=2004.12.07.00.07'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='JDK 5.0'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWj5rt'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Java Platform virtual machine and core class libraries'
CATEGORY='system'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''

```

```

LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWj5rtx...pkgparam -v SUNWj5rtx 2>&1
CLASSES='none'
BASEDIR='/usr'
INSTDATE='Feb 26 2013 14:05'
PKGSAB='/var/sadm/pkg/SUNWj5rtx/save'
PKGINST='SUNWj5rtx'
PATCH_INFO_118667-12='Installed: Mon Aug 20 17:51:23 PDT 2007 From: fern
Obsoletes: Requires: Incompatibles:'
PATCHLIST='118667-12'
SUNW_PRODVERS='1.5.0_12/1.5.0_12-b04'
PSTAMP='tiger-sparc20070502045321'
NAME='JDK 5.0 64-bit Runtime Env. (1.5.0_12)'
VERSION='1.5.0,REV=2004.12.06.22.09'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='JDK 5.0'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWj5rtx'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Java Platform virtual machine and core class libraries (64 bit)'
CATEGORY='system'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWj5cfg...pkgparam -v SUNWj5cfg 2>&1
CLASSES='none preserve'
BASEDIR='/'
INSTDATE='Feb 26 2013 14:05'
PKGSAB='/var/sadm/pkg/SUNWj5cfg/save'
PKGINST='SUNWj5cfg'
PATCH_INFO_118666-12='Installed: Mon Aug 20 17:50:34 PDT 2007 From: fern
Obsoletes: Requires: Incompatibles:'
PATCHLIST='118666-12'
SUNW_PRODVERS='1.5.0_12/1.5.0_12-b04'
PSTAMP='tiger-sparc20070502064511'

```

```

NAME='JDK 5.0 Host Config. (1.5.0_12)'
VERSION='1.5.0,REV=2004.12.07.00.07'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='JDK 5.0'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='root'
PKG='SUNWj5cfg'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Java Platform host specific configuration'
CATEGORY='system'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
JDK 1.5.0 is already present.
Checking JHRT 2.0 ...
Checking pkg SUNWjhrt...pkgparam -v SUNWjhrt 2>&1
CLASSES='none j3link j5link j6link'
BASEDIR='/usr'
INSTDATE='Nov 06 2013 01:10'
PKGSABV='/var/sadm/pkg/SUNWjhrt/save'
PKGINST='SUNWjhrt'
PSTAMP='mizu20061004154147'
EMAIL=''
HOTLINE='Please contact your local service provider'
VENDOR='Sun Microsystems, Inc.'
DESC='JavaHelp graphical help runtime'
SUNW_PKGVERS='1.0'
CATEGORY='application,java'
MAXINST='1000'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='2.0/FCS'
SUNW_PRODNAME='JavaHelp 2.0'
VERSION='2.0,REV=2006.10.31'
ARCH='all'
NAME='JavaHelp Runtime'
PKG='SUNWjhrt'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''

```

```

LC_COLLATE=' '
LC_TIME=' '
LC_NUMERIC=' '
LC_CTYPE=' '
-- Exit status: 0
present.
Checking pkg SUNWjhdev...pkgparam -v SUNWjhdev 2>&1
CLASSES='none j3link j5link j6link'
BASEDIR='/usr'
INSTDATE='Nov 06 2013 01:10'
PKGSAB=' /var/sadm/pkg/SUNWjhdev/save'
PKGINST='SUNWjhdev'
PSTAMP='mizu20061004154149'
EMAIL=' '
HOTLINE='Please contact your local service provider'
VENDOR='Sun Microsystems, Inc.'
DESC='JavaHelp graphical help developer toolkit'
SUNW_PKGVERS='1.0'
CATEGORY='application,java'
MAXINST='1000'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='2.0/FCS'
SUNW_PRODNAME='JavaHelp 2.0'
VERSION='2.0,REV=2006.10.04'
ARCH='all'
NAME='JavaHelp Development Utilities'
PKG='SUNWjhdev'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=' '
LC_MONETARY=' '
LC_MESSAGES=' '
LC_COLLATE=' '
LC_TIME=' '
LC_NUMERIC=' '
LC_CTYPE=' '
-- Exit status: 0
present.
Checking pkg SUNWjhdem...pkgparam -v SUNWjhdem 2>&1
CLASSES='none'
BASEDIR='/usr'
INSTDATE='Nov 06 2013 01:10'
PKGSAB=' /var/sadm/pkg/SUNWjhdem/save'
PKGINST='SUNWjhdem'
PSTAMP='mizu20061004154151'
EMAIL=' '
HOTLINE='Please contact your local service provider'
VENDOR='Sun Microsystems, Inc.'
DESC='JavaHelp graphical help demos'
SUNW_PKGVERS='1.0'
CATEGORY='application,java'
MAXINST='1000'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='2.0/FCS'

```

```

SUNW_PRODNAME='JavaHelp 2.0'
VERSION='2.0,REV=2006.10.04'
ARCH='all'
NAME='JavaHelp Demos'
PKG='SUNWjhdem'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWjhdem...pkgparam -v SUNWjhdem 2>&1
CLASSES='none link'
BASEDIR='/usr'
INSTDATE='Nov 06 2013 01:10'
PKGSAB=' /var/sadm/pkg/SUNWjhdem/save'
PKGINST='SUNWjhdem'
PSTAMP='mizu20061004154153'
EMAIL=''
HOTLINE='Please contact your local service provider'
VENDOR='Sun Microsystems, Inc.'
DESC='JavaHelp graphical help documentation'
SUNW_PKGVERS='1.0'
CATEGORY='application,java'
MAXINST='1000'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='2.0/FCS'
SUNW_PRODNAME='JavaHelp 2.0'
VERSION='2.0,REV=2006.10.04'
ARCH='all'
NAME='JavaHelp Documentation'
PKG='SUNWjhdem'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
JHRT 2.0 is already present.
Checking MQ 4.4 ...
Checking pkg SUNWmq...pkgparam -v SUNWmq 2>&1
CLASSES='none initd preserve'

```



```

BASEDIR="/"
INSTDATE='May 05 2014 11:40'
UPDATE='yes'
PKGSAB=' /var/sadm/pkg/SUNWiqr/save'
PKGINST='SUNWiqr'
PATCH_INFO_142846-01='Installed: Thu Nov 19 00:24:52 PST 2009 From:
icdev Obsoletes: Requires: Incompatibles:'
PATCHLIST='142846-01'
SUNW_PRODVERS='4.4.1.0'
PSTAMP='icdev20091119002117'
VERSION='4.4,REV=2009.08.27.08.32'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKG_THISZONES='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='root'
PKG='SUNWiqr'
NAME='Sun GlassFish(tm) Message Queue Root Package'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue Root Package'
CATEGORY='application'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWiqu...pkgparam -v SUNWiqu 2>&1
CLASSES='none'
BASEDIR="/"
INSTDATE='May 05 2014 11:40'
PKGSAB=' /var/sadm/pkg/SUNWiqu/save'
PKGINST='SUNWiqu'
PATCH_INFO_142846-01='Installed: Thu Nov 19 00:24:53 PST 2009 From:
icdev Obsoletes: Requires: Incompatibles:'
PATCHLIST='142846-01'
SUNW_PRODVERS='4.4.1.0'
PSTAMP='icdev20091119002055'
VERSION='4.4,REV=2009.08.27.08.32'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKG_THISZONES='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_ALLZONES='false'

```

```

SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWiqu'
NAME='Sun GlassFish(tm) Message Queue /usr Package'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue /usr Package'
CATEGORY='application'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWiqdoc...pkgparam -v SUNWiqdoc 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='May 05 2014 11:40'
PKGSABV='/var/sadm/pkg/SUNWiqdoc/save'
PKGINST='SUNWiqdoc'
PSTAMP='icdev20090827083233'
DESC='Sun GlassFish(tm) Message Queue Javadoc and Examples'
HOTLINE='Please contact your local service provider'
EMAIL=''
SUNW_PKG_THISZONES='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.0.0'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
MAXINST='1000'
VENDOR='Sun Microsystems, Inc.'
CATEGORY='application'
VERSION='4.4,REV=2009.08.27.08.32'
ARCH='sparc'
NAME='Sun GlassFish(tm) Message Queue Javadoc and Examples'
PKG='SUNWiqdoc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''

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LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWiquc...pkgparam -v SUNWiquc 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='May 05 2014 11:40'
PKGSAB=' /var/sadm/pkg/SUNWiquc/save'
PKGINST='SUNWiquc'
PATCH_INFO_142846-01='Installed: Thu Nov 19 00:24:54 PST 2009 From:
icdev Obsoletes: Requires: Incompatibles:'
PATCHLIST='142846-01'
SUNW_PRODVERS='4.4.1.0'
PSTAMP='icdev20091119002105'
VERSION='4.4, REV=2009.08.27.08.33'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKG_THISZONES='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWiquc'
NAME='Sun GlassFish(tm) Message Queue Client Runtime'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue Client Runtime'
CATEGORY='application'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWiqum...pkgparam -v SUNWiqum 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='May 05 2014 11:40'
PKGSAB=' /var/sadm/pkg/SUNWiqum/save'
PKGINST='SUNWiqum'
PATCH_INFO_142846-01='Installed: Thu Nov 19 00:24:54 PST 2009 From:
icdev Obsoletes: Requires: Incompatibles:'
PATCHLIST='142846-01'
SUNW_PRODVERS='4.4.1.0'
PSTAMP='icdev20091119002115'
VERSION='4.4, REV=2009.08.27.08.33'

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VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKG_THISZONES='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWiqum'
NAME='Sun GlassFish(tm) Message Queue JMS/SOAP Msg Transformer'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue JMS/SOAP Msg Transformer'
CATEGORY='application'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWiqjx...pkgparam -v SUNWiqjx 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='May 05 2014 11:40'
PKGSABV='/var/sadm/pkg/SUNWiqjx/save'
PKGINST='SUNWiqjx'
PATCH_INFO_142846-01='Installed: Thu Nov 19 00:24:51 PST 2009 From:
icdev Obsoletes: Requires: Incompatibles:'
PATCHLIST='142846-01'
SUNW_PRODVERS='4.4.1.0'
PSTAMP='icdev20091119002109'
VERSION='4.4,REV=2009.08.27.08.33'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWiqjx'
NAME='Sun GlassFish(tm) Message Queue JAXM Client Runtime'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue JAXM Client Runtime'
CATEGORY='application'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'

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LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWiqfs...pkgparam -v SUNWiqfs 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='May 05 2014 11:40'
PKGSAB=' /var/sadm/pkg/SUNWiqfs/save'
PKGINST='SUNWiqfs'
PSTAMP='icdev20090827083333'
DESC='Sun GlassFish(tm) Message Queue JNDI FS Provider'
HOTLINE='Please contact your local service provider'
EMAIL=''
SUNW_PKG_THISZONES='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.0.0'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
MAXINST='1000'
VENDOR='Sun Microsystems, Inc.'
CATEGORY='application'
VERSION='4.4, REV=2009.08.27.08.33'
ARCH='sparc'
NAME='Sun GlassFish(tm) Message Queue JNDI FS Provider'
PKG='SUNWiqfs'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWiqcrt...pkgparam -v SUNWiqcrt 2>&1
CLASSES='none'
BASEDIR='/opt'
INSTDATE='May 05 2014 11:40'
PKGSAB=' /var/sadm/pkg/SUNWiqcrt/save'
PKGINST='SUNWiqcrt'
PATCH_INFO_142847-01='Installed: Thu Nov 19 00:25:14 PST 2009 From:
icdev Obsoletes: Requires: Incompatibles:'
PATCHLIST='142847-01'
SUNW_PRODVERS='4.4.1.0'

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PSTAMP='icdev20091119002136'
VERSION='4.4,REV=2009.08.27.08.33'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKG_THISZONES='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGVERS='1.0'
PKG='SUNWiqcrt'
NAME='Sun GlassFish(tm) Message Queue C Runtime'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue C Runtime'
CATEGORY='application'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWiqcdv...pkgparam -v SUNWiqcdv 2>&1
CLASSES='none'
BASEDIR='/opt'
INSTDATE='May 05 2014 11:40'
PKGSABV='/var/sadm/pkg/SUNWiqcdv/save'
PKGINST='SUNWiqcdv'
PATCH_INFO_142847-01='Installed: Thu Nov 19 00:25:13 PST 2009 From:
icdev Obsoletes: Requires: Incompatibles:'
PATCHLIST='142847-01'
SUNW_PRODVERS='4.4.1.0'
PSTAMP='icdev20091119002139'
VERSION='4.4,REV=2009.08.27.08.33'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKG_THISZONES='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGVERS='1.0'
PKG='SUNWiqcdv'
NAME='Sun GlassFish(tm) Message Queue C Developer'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue C Developer'
CATEGORY='application'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'

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PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWiqlen...pkgparam -v SUNWiqlen 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='May 05 2014 11:40'
PKGSAB='var/sadm/pkg/SUNWiqlen/save'
PKGINST='SUNWiqlen'
PATCH_INFO_142846-01='Installed: Thu Nov 19 00:24:52 PST 2009 From:
icdev Obsoletes: Requires: Incompatibles:'
PATCHLIST='142846-01'
SUNW_PRODVERS='4.4.1.0'
PSTAMP='icdev20091119002112'
VERSION='4.4,REV=2009.08.27.08.33'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKG_THISZONES='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWiqlen'
NAME='Sun GlassFish(tm) Message Queue Commercial Product License'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue Commercial Product Broker'
CATEGORY='application'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
MQ 4.4 is already present.
Checking MQ 3.7 ...
Checking pkg SUNWiqr... present but with a different pkg VERSION.
checking SUNWiqr 3.7,REV=2006.06.18.22.34

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Checking pkg SUNWiqu... present but with a different pkg VERSION.
checking SUNWiqu 3.7,REV=2006.06.18.22.34
Checking pkg SUNWiqtpl... not present.
Checking pkg SUNWiqdoc... present but with a different pkg VERSION.
checking SUNWiqdoc 3.7,REV=2006.06.18.22.35
Checking pkg SUNWiquc... present but with a different pkg VERSION.
checking SUNWiquc 3.7,REV=2006.06.18.22.35
Checking pkg SUNWiqum... present but with a different pkg VERSION.
checking SUNWiqum 3.7,REV=2006.06.18.22.35
Checking pkg SUNWiqjx... present but with a different pkg VERSION.
checking SUNWiqjx 3.7,REV=2006.06.18.22.35
Checking pkg SUNWiqfs... present but with a different pkg VERSION.
checking SUNWiqfs 3.7,REV=2006.06.18.22.35
Checking pkg SUNWiqcrt... present but with a different pkg VERSION.
checking SUNWiqcrt 3.7,REV=2006.06.18.22.35
Checking pkg SUNWiqcdv... present but with a different pkg VERSION.
checking SUNWiqcdv 3.7,REV=2006.06.18.22.35
Checking pkg SUNWiqlen... present but with a different pkg VERSION.
checking SUNWiqlen 3.7,REV=2006.06.18.22.35
NOTICE: Message Queue is present with a different pkg VERSION.
Checking MQ 4.1 ...
Checking pkg SUNWiqr... present but with a different pkg VERSION.
checking SUNWiqr 4.1,REV=2007.07.26.10.58
Checking pkg SUNWiqu... present but with a different pkg VERSION.
checking SUNWiqu 4.1,REV=2007.07.26.10.58
Checking pkg SUNWiqdoc... present but with a different pkg VERSION.
checking SUNWiqdoc 4.1,REV=2007.07.26.10.58
Checking pkg SUNWiquc... present but with a different pkg VERSION.
checking SUNWiquc 4.1,REV=2007.07.26.10.59
Checking pkg SUNWiqum... present but with a different pkg VERSION.
checking SUNWiqum 4.1,REV=2007.07.26.10.59
Checking pkg SUNWiqjx... present but with a different pkg VERSION.
checking SUNWiqjx 4.1,REV=2007.07.26.10.59
Checking pkg SUNWiqfs... present but with a different pkg VERSION.
checking SUNWiqfs 4.1,REV=2007.07.26.10.59
Checking pkg SUNWiqcrt... present but with a different pkg VERSION.
checking SUNWiqcrt 4.1,REV=2007.07.26.10.59
Checking pkg SUNWiqcdv... present but with a different pkg VERSION.
checking SUNWiqcdv 4.1,REV=2007.07.26.10.59
NOTICE: Message Queue is present with a different pkg VERSION.
Checking MQ 4.3 ...
Checking pkg SUNWiqr... present but with a different pkg VERSION.
checking SUNWiqr 4.3,REV=2008.11.07.18.44
Checking pkg SUNWiqu... present but with a different pkg VERSION.
checking SUNWiqu 4.3,REV=2008.11.07.18.44
Checking pkg SUNWiqdoc... present but with a different pkg VERSION.
checking SUNWiqdoc 4.3,REV=2008.11.07.18.44
Checking pkg SUNWiquc... present but with a different pkg VERSION.
checking SUNWiquc 4.3,REV=2008.11.07.18.44
Checking pkg SUNWiqum... present but with a different pkg VERSION.
checking SUNWiqum 4.3,REV=2008.11.07.18.44
Checking pkg SUNWiqjx... present but with a different pkg VERSION.
checking SUNWiqjx 4.3,REV=2008.11.07.18.44
Checking pkg SUNWiqfs... present but with a different pkg VERSION.
checking SUNWiqfs 4.3,REV=2008.11.07.18.44
Checking pkg SUNWiqcrt... present but with a different pkg VERSION.

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checking SUNWiqcrt 4.3,REV=2008.11.07.18.44
Checking pkg SUNWiqcdv... present but with a different pkg VERSION.
checking SUNWiqcdv 4.3,REV=2008.11.07.18.44
Checking pkg SUNWiqlen... present but with a different pkg VERSION.
checking SUNWiqlen 4.3,REV=2008.11.07.18.45
NOTICE: Message Queue is present with a different pkg VERSION.
Checking MQ_L10N 4.4 ...
Checking pkg SUNWfiqu...pkgparam -v SUNWfiqu 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:10'
PKGSAB=' /var/sadm/pkg/SUNWfiqu/save'
PKGINST='SUNWfiqu'
SUNW_LOC='fr'
SUNW_PKGLIST='SUNWfiqu'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWfiqu'
NAME='Sun GlassFish(tm) Message Queue /usr Package for French'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue /usr Package for French'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094214'
VERSION='4.4,REV=2009.10.01.09.42.14'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWfiquc...pkgparam -v SUNWfiquc 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:10'
PKGSAB=' /var/sadm/pkg/SUNWfiquc/save'
PKGINST='SUNWfiquc'
SUNW_LOC='fr'
SUNW_PKGLIST='SUNWfiquc'
SUNW_PKG_HOLLOW='false'

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SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWfiquc'
NAME='Sun GlassFish(tm) Message Queue Client Runtime Package for French'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue Client Runtime Package for French'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094216'
VERSION='4.4,REV=2009.10.01.09.42.16'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWdiqu...pkgparam -v SUNWdiqu 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:10'
PKGSABV='/var/sadm/pkg/SUNWdiqu/save'
PKGINST='SUNWdiqu'
SUNW_LOC='de'
SUNW_PKGLIST='SUNWiqu'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWdiqu'
NAME='Sun GlassFish(tm) Message Queue /usr Package for German'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue /usr Package for German'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'

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PSTAMP='20091001094259'
VERSION='4.4,REV=2009.10.01.09.42.59'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWdiquc...pkgparam -v SUNWdiquc 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:10'
PKGSABV='/var/sadm/pkg/SUNWdiquc/save'
PKGINST='SUNWdiquc'
SUNW_LOC='de'
SUNW_PKGLIST='SUNWdiquc'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWdiquc'
NAME='Sun GlassFish(tm) Message Queue Client Runtime Package for German'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue Client Runtime Package for German'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094303'
VERSION='4.4,REV=2009.10.01.09.43.03'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWjiqu...pkgparam -v SUNWjiqu 2>&1

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```

CLASSES='none'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:10'
PKGSAB=' /var/sadm/pkg/SUNWjiqu/save'
PKGINST='SUNWjiqu'
SUNW_LOC='ja,ja_JP.PCK,ja_JP.UTF-8'
SUNW_PKGLIST='SUNWiqu'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWjiqu'
NAME='Sun GlassFish(tm) Message Queue /usr Package for Japanese'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue /usr Package for Japanese'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094516'
VERSION='4.4,REV=2009.10.01.09.45.16'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWjiquc...pkgparam -v SUNWjiquc 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:10'
PKGSAB=' /var/sadm/pkg/SUNWjiquc/save'
PKGINST='SUNWjiquc'
SUNW_LOC='ja,ja_JP.PCK,ja_JP.UTF-8'
SUNW_PKGLIST='SUNWiquc'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWjiquc'

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```

NAME='Sun GlassFish(tm) Message Queue Client Runtime Package for
Japanese'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue Client Runtime Package for
Japanese'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094518'
VERSION='4.4,REV=2009.10.01.09.45.18'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWeiqu...pkgparam -v SUNWeiqu 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:10'
PKGSABV='/var/sadm/pkg/SUNWeiqu/save'
PKGINST='SUNWeiqu'
SUNW_LOC='es'
SUNW_PKGLIST='SUNWiqu'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWeiqu'
NAME='Sun GlassFish(tm) Message Queue /usr Package for Spanish'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue /usr Package for Spanish'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094344'
VERSION='4.4,REV=2009.10.01.09.43.44'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'

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```

LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWeiquc...pkgparam -v SUNWeiquc 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:10'
PKGSAB=' /var/sadm/pkg/SUNWeiquc/save'
PKGINST='SUNWeiquc'
SUNW_LOC='es'
SUNW_PKGLIST='SUNWiuc'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWeiquc'
NAME='Sun GlassFish(tm) Message Queue Client Runtime Package for
Spanish'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue Client Runtime Package for
Spanish'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094347'
VERSION='4.4, REV=2009.10.01.09.43.47'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWkiqu...pkgparam -v SUNWkiqu 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:10'
PKGSAB=' /var/sadm/pkg/SUNWkiqu/save'

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PKGINST='SUNWkiqu'
SUNW_LOC='ko,ko.UTF-8'
SUNW_PKGLIST='SUNWiqu'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWkiqu'
NAME='Sun GlassFish(tm) Message Queue /usr Package for Korean'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue /usr Package for Korean'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094430'
VERSION='4.4,REV=2009.10.01.09.44.30'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWkiquc...pkgparam -v SUNWkiquc 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:10'
PKGSAB=' /var/sadm/pkg/SUNWkiquc/save'
PKGINST='SUNWkiquc'
SUNW_LOC='ko,ko.UTF-8'
SUNW_PKGLIST='SUNWiuc'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWkiquc'
NAME='Sun GlassFish(tm) Message Queue Client Runtime Package for Korean'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''

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DESC='Sun GlassFish(tm) Message Queue Client Runtime Package for Korean'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094432'
VERSION='4.4, REV=2009.10.01.09.44.32'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWciqu...pkgparam -v SUNWciqu 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:10'
PKGSABV='/var/sadm/pkg/SUNWciqu/save'
PKGINST='SUNWciqu'
SUNW_LOC='zh,zh.GBK,zh_CN.GB18030,zh.UTF-8'
SUNW_PKGLIST='SUNWiqu'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWciqu'
NAME='Sun GlassFish(tm) Message Queue /usr Package for Simplified
Chinese'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue /usr Package for Simplified
Chinese'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094601'
VERSION='4.4, REV=2009.10.01.09.46.01'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''

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LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWciquc...pkgparam -v SUNWciquc 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:10'
PKGSAB=' /var/sadm/pkg/SUNWciquc/save'
PKGINST='SUNWciquc'
SUNW_LOC='zh,zh.GBK,zh_CN.GB18030,zh.UTF-8'
SUNW_PKGLIST='SUNWciquc'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWciquc'
NAME='Sun GlassFish(tm) Message Queue Client Runtime Package for
Simplified Chinese'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue Client Runtime Package for
Simplified Chinese'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094603'
VERSION='4.4,REV=2009.10.01.09.46.03'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWhiqu...pkgparam -v SUNWhiqu 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:10'
PKGSAB=' /var/sadm/pkg/SUNWhiqu/save'
PKGINST='SUNWhiqu'
SUNW_LOC='zh_TW,zh_TW.BIG5,zh_TW.UTF-8'
SUNW_PKGLIST='SUNWhiqu'
SUNW_PKG_HOLLOW='false'

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SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWhiqu'
NAME='Sun GlassFish(tm) Message Queue /usr Package for Traditional
Chinese'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue /usr Package for Traditional
Chinese'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094648'
VERSION='4.4,REV=2009.10.01.09.46.48'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWhiquc...pkgparam -v SUNWhiquc 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:10'
PKGSAB=' /var/sadm/pkg/SUNWhiquc/save'
PKGINST='SUNWhiquc'
SUNW_LOC='zh_TW,zh_TW.BIG5,zh_TW.UTF-8'
SUNW_PKGLIST='SUNWiquc'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWhiquc'
NAME='Sun GlassFish(tm) Message Queue Client Runtime Package for
Traditional Chinese'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue Client Runtime Package for

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Traditional Chinese'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094650'
VERSION='4.4,REV=2009.10.01.09.46.50'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
MQ_L10N 4.4 is already present.
Checking MQ_L10N 3.7 ...
Checking pkg SUNWfiqu... present but with a different pkg VERSION.
checking SUNWfiqu 3.7,REV=2006.09.28.02.20.49
Checking pkg SUNWfiquc... present but with a different pkg VERSION.
checking SUNWfiquc 3.7,REV=2006.09.28.02.21.13
Checking pkg SUNWdiqu... present but with a different pkg VERSION.
checking SUNWdiqu 3.7,REV=2006.09.28.02.20.38
Checking pkg SUNWdiquc... present but with a different pkg VERSION.
checking SUNWdiquc 3.7,REV=2006.09.28.02.21.09
Checking pkg SUNWjiqu... present but with a different pkg VERSION.
checking SUNWjiqu 3.7,REV=2006.09.02.02.06.39
Checking pkg SUNWjiquc... present but with a different pkg VERSION.
checking SUNWjiquc 3.7,REV=2006.09.02.02.07.00
Checking pkg SUNWeiqu... present but with a different pkg VERSION.
checking SUNWeiqu 3.7,REV=2006.09.28.02.20.43
Checking pkg SUNWeiquc... present but with a different pkg VERSION.
checking SUNWeiquc 3.7,REV=2006.09.28.02.21.11
Checking pkg SUNWkiqu... present but with a different pkg VERSION.
checking SUNWkiqu 3.7,REV=2006.09.28.02.20.59
Checking pkg SUNWkiquc... present but with a different pkg VERSION.
checking SUNWkiquc 3.7,REV=2006.09.28.02.21.19
Checking pkg SUNWciqu... present but with a different pkg VERSION.
checking SUNWciqu 3.7,REV=2006.09.02.02.06.49
Checking pkg SUNWciquc... present but with a different pkg VERSION.
checking SUNWciquc 3.7,REV=2006.09.02.02.07.03
Checking pkg SUNWhiqu... present but with a different pkg VERSION.
checking SUNWhiqu 3.7,REV=2006.10.28.02.59.24
Checking pkg SUNWhiquc... present but with a different pkg VERSION.
checking SUNWhiquc 3.7,REV=2006.10.28.02.59.36
NOTICE: Message Queue Localization is present with a different pkg
VERSION.
Checking MQ_L10N 4.1 ...
Checking pkg SUNWfiqu... present but with a different pkg VERSION.
checking SUNWfiqu 4.1,REV=2007.08.02.12.38
Checking pkg SUNWfiquc... present but with a different pkg VERSION.
checking SUNWfiquc 4.1,REV=2007.08.02.12.38

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Checking pkg SUNWdiqu... present but with a different pkg VERSION.
checking SUNWdiqu 4.1,REV=2007.08.02.12.38
Checking pkg SUNWdiquc... present but with a different pkg VERSION.
checking SUNWdiquc 4.1,REV=2007.08.02.12.38
Checking pkg SUNWjiqu... present but with a different pkg VERSION.
checking SUNWjiqu 4.1,REV=2007.08.02.12.38
Checking pkg SUNWjiquc... present but with a different pkg VERSION.
checking SUNWjiquc 4.1,REV=2007.08.02.12.38
Checking pkg SUNWeiqu... present but with a different pkg VERSION.
checking SUNWeiqu 4.1,REV=2007.08.02.12.38
Checking pkg SUNWeiquc... present but with a different pkg VERSION.
checking SUNWeiquc 4.1,REV=2007.08.02.12.38
Checking pkg SUNWkiqu... present but with a different pkg VERSION.
checking SUNWkiqu 4.1,REV=2007.08.02.12.38
Checking pkg SUNWkiquc... present but with a different pkg VERSION.
checking SUNWkiquc 4.1,REV=2007.08.02.12.38
Checking pkg SUNWciqu... present but with a different pkg VERSION.
checking SUNWciqu 4.1,REV=2007.08.02.12.38
Checking pkg SUNWciquc... present but with a different pkg VERSION.
checking SUNWciquc 4.1,REV=2007.08.02.12.38
Checking pkg SUNWhiqu... present but with a different pkg VERSION.
checking SUNWhiqu 4.1,REV=2007.08.02.12.38
Checking pkg SUNWhiquc... present but with a different pkg VERSION.
checking SUNWhiquc 4.1,REV=2007.08.02.12.38
NOTICE: Message Queue Localization is present with a different pkg
VERSION.
Checking MQ_L10N 4.3 ...
Checking pkg SUNWfiqu... present but with a different pkg VERSION.
checking SUNWfiqu 4.3,REV=2008.10.27.08.57.02
Checking pkg SUNWfiquc... present but with a different pkg VERSION.
checking SUNWfiquc 4.3,REV=2008.10.27.08.57.05
Checking pkg SUNWdiqu... present but with a different pkg VERSION.
checking SUNWdiqu 4.3,REV=2008.10.27.08.57.55
Checking pkg SUNWdiquc... present but with a different pkg VERSION.
checking SUNWdiquc 4.3,REV=2008.10.27.08.57.58
Checking pkg SUNWjiqu... present but with a different pkg VERSION.
checking SUNWjiqu 4.3,REV=2008.10.27.09.00.27
Checking pkg SUNWjiquc... present but with a different pkg VERSION.
checking SUNWjiquc 4.3,REV=2008.10.27.09.00.28
Checking pkg SUNWeiqu... present but with a different pkg VERSION.
checking SUNWeiqu 4.3,REV=2008.10.27.08.58.45
Checking pkg SUNWeiquc... present but with a different pkg VERSION.
checking SUNWeiquc 4.3,REV=2008.10.27.08.58.48
Checking pkg SUNWkiqu... present but with a different pkg VERSION.
checking SUNWkiqu 4.3,REV=2008.10.27.08.59.36
Checking pkg SUNWkiquc... present but with a different pkg VERSION.
checking SUNWkiquc 4.3,REV=2008.10.27.08.59.38
Checking pkg SUNWciqu... present but with a different pkg VERSION.
checking SUNWciqu 4.3,REV=2008.10.27.09.01.18
Checking pkg SUNWciquc... present but with a different pkg VERSION.
checking SUNWciquc 4.3,REV=2008.10.27.09.01.19
Checking pkg SUNWhiqu... present but with a different pkg VERSION.
checking SUNWhiqu 4.3,REV=2008.10.27.09.02.09
Checking pkg SUNWhiquc... present but with a different pkg VERSION.
checking SUNWhiquc 4.3,REV=2008.10.27.09.02.10
NOTICE: Message Queue Localization is present with a different pkg

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VERSION.
Checking LDAPJDK 4.21 ...
Checking pkg SUNWljdk... not present.
LDAPJDK 4.21 is not present.
Checking IMAPI 9.2 ...
Checking pkg SUNWiimdv...pkgparam -v SUNWiimdv 2>&1
CLASSES='none'
BASEDIR='/'
PATCH_INFO_148582-06='Installed: Fri Jun 27 16:05:44 PDT 2014 From: host
Obsoletes: Requires: Incompatibles:'
INSTDATE='Jun 27 2014 16:05'
PATCH_INFO_148582-04='Installed: Tue Oct 8 06:07:54 PDT 2013 From:
comms01-s10 Obsoletes: Requires: Incompatibles:'
PATCHLIST='148582-04 148582-05 148582-06'
UPDATE='yes'
PATCH_UNCONDITIONAL='false'
PATCH_NO_UNDO='false'
PATCH_BUILD_DIR='none'
PATCH_UNDO_ARCHIVE='none'
INTERRUPTION='no'
PATCH_INFO_148582-05='Installed: Wed Mar 26 11:10:47 PDT 2014 From: host
Obsoletes: Requires: Incompatibles:'
SCRIPTS_DIR='/export/lim/work/ci_tip/comms/comp/SunOS5.10_DBG.OBJ/release/s
Communications Instant Messaging API'
PRODUCT_NAME='Oracle Communications Instant Messaging'
EMAIL=''
HOTLINE='Please contact your local service provider'
VENDOR='Oracle Corporation'
DESC='Oracle Communications Instant Messaging and Presence APIs'
CATEGORY='application'
MAXINST='1001'
ARCH='sparc'
NAME='Oracle Communications Instant Messaging and Presence APIs'
PKG='SUNWiimdv'
VERSION='9.0,REV=2011.09.05'
SUNW_PATCHID='148582-06'
PSTAMP='sca00bkr20140625022807'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
IMAPI 9.2 is already present.
Checking IMAPI 7.0 ...
Checking pkg SUNWiimdv... present but with a different pkg VERSION.

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checking SUNWiimdv 7.0,REV=2004.11.24.05.24.36
NOTICE: Instant Messaging API is present with a different pkg VERSION.
Checking IMAPI 7.3 ...
Checking pkg SUNWiimdv... present but with a different pkg VERSION.
checking SUNWiimdv 7.3,REV=2008.01.15
NOTICE: Instant Messaging API is present with a different pkg VERSION.
Checking IMAPI 8.0 ...
Checking pkg SUNWiimdv... present but with a different pkg VERSION.
checking SUNWiimdv 8.0,REV=2008.12.04
NOTICE: Instant Messaging API is present with a different pkg VERSION.
Checking CI 7.6 ...
Checking pkg SUNWcomms...pkgparam -v SUNWcomms 2>&1
CLASSES='none'
BASEDIR='/opt/sun/comms/CommsInstaller'
INSTDATE='Jun 27 2014 16:00'
PKGSAB='var/sadm/pkg/SUNWcomms/save'
PKGINST='SUNWcomms'
ARCH='sparc'
VERSION='7.6,REV=2014.06.27'
PKG='SUNWcomms'
NAME='Comms Installer'
MAXINST='1000'
CATEGORY='application'
DESC='Comms Installer'
VENDOR='Oracle Corporation'
HOTLINE='Please contact your local service provider'
EMAIL=''
SUNW_PKG_ALLZONES='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PRODNAME='CommsInstaller'
SUNW_PRODVERS='7.6-0.07'
SUNW_PKGVERS='1.0'
PSTAMP='host20140627221509'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0

/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-v --installed '/opt/sun/comms/CommsInstaller' 2>&1
VERSION='7.6-0.07'
BUILDDATE='20140627'
UNAME='SunOS'
ARCH='sparc'
BITS='32'
ORCL_VERSION='7.0.6.0.0'
-- Exit status: 0

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/opt/sun/comms/CommsInstaller/lib/getVersion -v 2>&1
VERSION='7.6-0.07'
BUILDDATE='20140627'
UNAME='SunOS'
ARCH='sparc'
BITS='32'
ORCL_VERSION='7.0.6.0.0'
-- Exit status: 0
INFO: CI /opt/sun/comms/CommsInstaller/lib/getVersion -v : returned 0
INFO fillInstalledProd: making pkglist for prod=CI
installed_version=7.6-0.07 v=7.6,REV=2014.06.27 using prodVersFamily 7.6
present but with a different pkg VERSION.
checking SUNWcomms 7.6,REV=2014.07.01
NOTICE: CommsInstaller is present with a different pkg VERSION.
Checking MS64 7.5 ...
Checking pkg SUNWmessaging-server-64... not present.
MS64 7.5 is not present.
Checking MS64 6.3 ...
Checking pkg SUNWmessaging-server-64... not present.
MS64 6.3 is not present.
Checking MS64 6.3_32 ...
Checking pkg SUNWmsgin... not present.
Checking pkg SUNWmsgen... not present.
Checking pkg SUNWmsglb... not present.
Checking pkg SUNWmsgco... not present.
Checking pkg SUNWmsgmt... not present.
Checking pkg SUNWmsgst... not present.
Checking pkg SUNWmsgmp... not present.
Checking pkg SUNWmsgwm... not present.
Checking pkg SUNWmsgmf... not present.
MS64 6.3_32 is not present.
Checking MS64 7.2_32 ...
Checking pkg SUNWmessaging-server... not present.
MS64 7.2_32 is not present.
Checking MS64 7.3_32 ...
MS64 7.3_32 is not present.
Checking MS64 7.5_32 ...
MS64 7.5_32 is not present.
Checking DSSETUP 6.4 ...
Checking pkg SUNWcomds... not present.
DSSETUP 6.4 is not present.
Checking DAV 7.4 ...
Checking pkg SUNWdavserver... not present.
DAV 7.4 is not present.
Checking IM 9.2 ...
Checking pkg SUNWiimin... not present.
Checking pkg SUNWiim... not present.
Checking pkg SUNWiimm... not present.
Checking pkg SUNWiimjd... not present.
Checking pkg SUNWiimid... not present.
Checking pkg SUNWiimgw... not present.
Checking pkg SUNWiimw... not present.
Checking pkg SUNWiimfed... not present.
IM 9.2 is not present.
Checking IM 7.0 ...

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Checking pkg SUNWiimin... not present.
Checking pkg SUNWiim... not present.
Checking pkg SUNWiimm... not present.
Checking pkg SUNWiimjd... not present.
Checking pkg SUNWiimid... not present.
Checking pkg SUNWiimc... not present.
Checking pkg SUNWiimd... not present.
IM 7.0 is not present.
Checking IM 7.3 ...
Checking pkg SUNWiim... not present.
Checking pkg SUNWiimin... not present.
Checking pkg SUNWiimm... not present.
Checking pkg SUNWiimjd... not present.
Checking pkg SUNWiimid... not present.
Checking pkg SUNWiimc... not present.
Checking pkg SUNWiimd... not present.
IM 7.3 is not present.
Checking IM 8.3 ...
Checking pkg SUNWiim... not present.
Checking pkg SUNWiimin... not present.
Checking pkg SUNWiimm... not present.
Checking pkg SUNWiimjd... not present.
Checking pkg SUNWiimid... not present.
Checking pkg SUNWiimc... not present.
Checking pkg SUNWiimd... not present.
Checking pkg SUNWiimgw... not present.
IM 8.3 is not present.
Checking IWC 3.0 ...
Checking pkg SUNWiwc... not present.
IWC 3.0 is not present.
Checking IWC 1.0 ...
Checking pkg SUNWiwc... not present.
IWC 1.0 is not present.
Checking IWC 2.0 ...
Checking pkg SUNWiwc... not present.
IWC 2.0 is not present.
Checking JISS 1.5 ...
Checking pkg SUNWjiss... not present.
JISS 1.5 is not present.
Checking JISS 0.9 ...
Checking pkg SUNWjiss-common... not present.
Checking pkg SUNWjiss-conf... not present.
Checking pkg SUNWjiss-extjars... not present.
Checking pkg SUNWjiss-indexapi... not present.
Checking pkg SUNWjiss-jmqc... not present.
Checking pkg SUNWjiss-rest... not present.
Checking pkg SUNWjiss-search... not present.
Checking pkg SUNWjiss-searchui... not present.
Checking pkg SUNWjiss-store... not present.
Checking pkg SUNWjiss-storeui... not present.
JISS 0.9 is not present.
Checking DA 7.0 ...
Checking pkg SUNWcommda... not present.
DA 7.0 is not present.
Checking DA 6.4 ...
Checking pkg SUNWcomic... not present.

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Checking pkg SUNWcomis... not present.
DA 6.4 is not present.
Checking NAB 8.0 ...
Checking pkg SUNWnabserver... not present.
NAB 8.0 is not present.
Checking MS_SCHA 7.0 ...
Checking pkg SUNWmessaging-server-scha... not present.
MS_SCHA 7.0 is not present.
Checking MS_SCHA 6.0 ...
Checking pkg SUNWscims... not present.
MS_SCHA 6.0 is not present.
Checking IM_SCHA 7.3 ...
Checking pkg SUNWiimsc... not present.
IM_SCHA 7.3 is not present.
Checking IM_SCHA 7.0 ...
Checking pkg SUNWiimsc... not present.
IM_SCHA 7.0 is not present.
Checking MS 7.5_32 ...
MS 7.5_32 is not present.
Checking MS 6.3_32 ...
Checking pkg SUNWmsgin... not present.
Checking pkg SUNWmsgen... not present.
Checking pkg SUNWmsglb... not present.
Checking pkg SUNWmsgco... not present.
Checking pkg SUNWmsgmt... not present.
Checking pkg SUNWmsgst... not present.
Checking pkg SUNWmsgmp... not present.
Checking pkg SUNWmsgwm... not present.
Checking pkg SUNWmsgmf... not present.
MS 6.3_32 is not present.
Checking MS 7.2_32 ...
Checking pkg SUNWmessaging-server... not present.
MS 7.2_32 is not present.
Checking MS 7.3_32 ...
MS 7.3_32 is not present.
Checking MS_L10N 6.2 ...
Checking pkg SUNWmsgde... not present.
Checking pkg SUNWmsges... not present.
Checking pkg SUNWmsgfr... not present.
Checking pkg SUNWmsgja... not present.
Checking pkg SUNWmsgko... not present.
Checking pkg SUNWmsgzh... not present.
Checking pkg SUNWmsgtw... not present.
MS_L10N 6.2 is not present.
Checking MS_L10N 6.3 ...
Checking pkg SUNWmsg-l10n... not present.
MS_L10N 6.3 is not present.
Checking MS64_L10N 6.3 ...
Checking pkg SUNWmessaging-server-l10n-64... not present.
MS64_L10N 6.3 is not present.
Checking CS 6.3 ...
Checking pkg SUNWics5... not present.
Checking pkg SUNWica5... not present.
CS 6.3 is not present.
Checking CS_L10N 6.2 ...
Checking pkg SUNWdeics... not present.

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Checking pkg SUNWesics... not present.
Checking pkg SUNWfrics... not present.
Checking pkg SUNWjaics... not present.
Checking pkg SUNWkoics... not present.
Checking pkg SUNWzhics... not present.
Checking pkg SUNWtwics... not present.
CS_L10N 6.2 is not present.
Checking CS_L10N 6.3 ...
Checking pkg SUNWics-l10n... not present.
CS_L10N 6.3 is not present.
Checking IM_L10N 7.0 ...
Checking pkg SUNWdiimc... not present.
Checking pkg SUNWdiimd... not present.
Checking pkg SUNWdimid... not present.
Checking pkg SUNWeiimc... not present.
Checking pkg SUNWeiimd... not present.
Checking pkg SUNWeiimin... not present.
Checking pkg SUNWeimid... not present.
Checking pkg SUNWfiimc... not present.
Checking pkg SUNWfiimd... not present.
Checking pkg SUNWfiimin... not present.
Checking pkg SUNWfimid... not present.
Checking pkg SUNWjiimc... not present.
Checking pkg SUNWjiimd... not present.
Checking pkg SUNWjiimin... not present.
Checking pkg SUNWjimid... not present.
Checking pkg SUNWkiimc... not present.
Checking pkg SUNWkiimd... not present.
Checking pkg SUNWkiimin... not present.
Checking pkg SUNWkimid... not present.
Checking pkg SUNWciimc... not present.
Checking pkg SUNWciimd... not present.
Checking pkg SUNWciimin... not present.
Checking pkg SUNWcimid... not present.
Checking pkg SUNWhiimc... not present.
Checking pkg SUNWhiimd... not present.
Checking pkg SUNWhiimin... not present.
Checking pkg SUNWhimid... not present.
IM_L10N 7.0 is not present.
Checking IM_L10N 7.2 ...
Checking pkg SUNWiimc-l10n... not present.
Checking pkg SUNWiimd-l10n... not present.
Checking pkg SUNWiimid-l10n... not present.
Checking pkg SUNWiimin-l10n... not present.
IM_L10N 7.2 is not present.
Checking CE 6.3 ...
Checking pkg SUNWuwc... not present.
CE 6.3 is not present.
Checking CE_L10N 6.2 ...
Checking pkg SUNWduwc... not present.
Checking pkg SUNWeuwc... not present.
Checking pkg SUNWfuwc... not present.
Checking pkg SUNWjuwc... not present.
Checking pkg SUNWkuwc... not present.
Checking pkg SUNWcuwc... not present.
Checking pkg SUNWhuwc... not present.

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CE_L10N 6.2 is not present.
Checking CE_L10N 6.3 ...
Checking pkg SUNWuw-c-l10n... not present.
CE_L10N 6.3 is not present.
Checking CS_SCHA 6.0 ...
Checking pkg SUNWscics... not present.
CS_SCHA 6.0 is not present.
Checking CS_SCHA 6.3 ...
Checking pkg SUNWscics... not present.
CS_SCHA 6.3 is not present.
Detecting Installed Patches...
-- chk4patch 119963-27 /tmp/.patchout_20140808173158.20173 LIBCPLUSPLUS
-- new_chk4patch 119963-27 for LIBCPLUSPLUS: using pkg: SUNWlibc
5.10,REV=2004.12.22
-- Exact match found in PATCHLIST
LIBCPLUSPLUS patch 119963-27 is already present.
-- chk4patch 120900-04 /tmp/.patchout_20140808173158.20173 PATCHUTILS
-- new_chk4patch 120900-04 for PATCHUTILS: using pkg: SUNWpkgcmdsu
11.11,REV=2005.01.09.23.05
-- new_chk4patch 120900-04 for PATCHUTILS: using pkg: SUNWswmt
11.10,REV=2005.01.10.17.19
-- new_chk4patch 120900-04 for PATCHUTILS: using pkg:
SUNWinstall-patch-utils-root 11.10,REV=2005.01.09.23.05
-- new_chk4patch 120900-04 for PATCHUTILS: using pkg: SUNWcsr
11.10.0,REV=2005.01.21.15.53
-- Exact match found in PATCHLIST
PATCHUTILS patch 120900-04 is already present.
-- chk4patch 121133-02 /tmp/.patchout_20140808173158.20173 PATCHUTILS
-- new_chk4patch 121133-02 for PATCHUTILS: using pkg: SUNWpkgcmdsu
11.11,REV=2005.01.09.23.05
-- new_chk4patch 121133-02 for PATCHUTILS: using pkg: SUNWswmt
11.10,REV=2005.01.10.17.19
-- new_chk4patch 121133-02 for PATCHUTILS: using pkg:
SUNWinstall-patch-utils-root 11.10,REV=2005.01.09.23.05
-- new_chk4patch 121133-02 for PATCHUTILS: using pkg: SUNWcsr
11.10.0,REV=2005.01.21.15.53
-- Exact match found in PATCHLIST
PATCHUTILS patch 121133-02 is already present.
-- chk4patch 119254-88 /tmp/.patchout_20140808173158.20173 PATCHUTILS
-- new_chk4patch 119254-88 for PATCHUTILS: using pkg: SUNWpkgcmdsu
11.11,REV=2005.01.09.23.05
-- Exact match found in PATCHLIST
PATCHUTILS patch 119254-88 is already present.
-- chk4patch 126868-04 /tmp/.patchout_20140808173158.20173 BZIP
-- new_chk4patch 126868-04 for BZIP: using pkg: SUNWbzip
11.10.0,REV=2005.01.08.05.16
-- Exact match found in PATCHLIST
BZIP patch 126868-04 is already present.
-- chk4patch 137321-01 /tmp/.patchout_20140808173158.20173 BZIP
-- new_chk4patch 137321-01 for BZIP: using pkg: SUNWbzip
11.10.0,REV=2005.01.08.05.16
-- Exact match found in PATCHLIST
BZIP patch 137321-01 is already present.
-- chk4patch 119254-88 /tmp/.patchout_20140808173158.20173 RECOMMENDED
-- new_chk4patch 119254-88 for RECOMMENDED: using pkg: SUNWckr
11.10.0,REV=2005.01.21.15.53

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-- new_chk4patch 119254-88 for RECOMMENDED: using pkg: SUNWbzip
11.10.0,REV=2005.01.08.05.16
-- new_chk4patch 119254-88 for RECOMMENDED: using pkg: SUNWpkgcmdsu
11.11,REV=2005.01.09.23.05
-- Exact match found in PATCHLIST
RECOMMENDED patch 119254-88 is already present.
-- chk4patch 120272-28 /tmp/.patchout_20140808173158.20173 RECOMMENDED
-- new_chk4patch 120272-28 for RECOMMENDED: using pkg: SUNWckr
11.10.0,REV=2005.01.21.15.53
-- new_chk4patch 120272-28 for RECOMMENDED: using pkg: SUNWbzip
11.10.0,REV=2005.01.08.05.16
--Newer version found 120272-31
RECOMMENDED patch 120272-28 is already present.
-- chk4patch 147147-26 /tmp/.patchout_20140808173158.20173 RECOMMENDED
-- new_chk4patch 147147-26 for RECOMMENDED: using pkg: SUNWckr
11.10.0,REV=2005.01.21.15.53
-- new_chk4patch 147147-26 for RECOMMENDED: using pkg: SUNWbzip
11.10.0,REV=2005.01.08.05.16
-- new_chk4patch 147147-26 for RECOMMENDED: using pkg: SUNWpkgcmdsu
11.11,REV=2005.01.09.23.05
RECOMMENDED patch 147147-26 is not present.
-- chk4patch 125358-15 /tmp/.patchout_20140808173158.20173 NSS
-- new_chk4patch 125358-15 for NSS: using pkg: SUNWpr
4.6.4,REV=2006.11.16.20.40
--Newer version found 125358-16
NSS patch 125358-15 is already present.
-- chk4patch 119345-08 /tmp/.patchout_20140808173158.20173 SASL
-- new_chk4patch 119345-08 for SASL: using pkg: SUNWsas1
2.17,REV=2004.04.06.15.24
-- Exact match found in PATCHLIST
SASL patch 119345-08 is already present.
-- chk4patch 136798-03 /tmp/.patchout_20140808173158.20173
LDAPCSK6_TOOLS
-- new_chk4patch 136798-03 for LDAPCSK6_TOOLS: using pkg:
SUNWldapcsk6-tools 6.00,REV=2006.12.11.00.08
-- Exact match found in PATCHLIST
LDAPCSK6_TOOLS patch 136798-03 is already present.
-- chk4patch 119810-07 /tmp/.patchout_20140808173158.20173 ICU
-- new_chk4patch 119810-07 for ICU: using pkg: SUNWicu
1.2,REV=2005.01.06.14.13
-- Exact match found in PATCHLIST
ICU patch 119810-07 is already present.
-- chk4patch 125136-66 /tmp/.patchout_20140808173158.20173 JDK
-- new_chk4patch 125136-66 for JDK: using pkg: SUNWj6rt
1.6.0,REV=2006.11.29.05.57
-- new_chk4patch 125136-66 for JDK: using pkg: SUNWj6rtx
1.6.0,REV=2006.11.29.04.58
-- new_chk4patch 125136-66 for JDK: using pkg: SUNWj6dev
1.6.0,REV=2006.11.29.05.57
-- new_chk4patch 125136-66 for JDK: using pkg: SUNWj6dvx
1.6.0,REV=2006.11.29.04.58
-- new_chk4patch 125136-66 for JDK: using pkg: SUNWj6cfg
1.6.0,REV=2006.11.29.05.57
JDK patch 125136-66 is not present.
-- chk4patch 125137-66 /tmp/.patchout_20140808173158.20173 JDK
-- new_chk4patch 125137-66 for JDK: using pkg: SUNWj6rt

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1.6.0,REV=2006.11.29.05.57
-- new_chk4patch 125137-66 for JDK: using pkg: SUNWj6rtx
1.6.0,REV=2006.11.29.04.58
-- new_chk4patch 125137-66 for JDK: using pkg: SUNWj6dev
1.6.0,REV=2006.11.29.05.57
-- new_chk4patch 125137-66 for JDK: using pkg: SUNWj6dvx
1.6.0,REV=2006.11.29.04.58
-- new_chk4patch 125137-66 for JDK: using pkg: SUNWj6cfg
1.6.0,REV=2006.11.29.05.57
JDK patch 125137-66 is not present.
-- chk4patch 119725-06 /tmp/.patchout_20140808173158.20173 LDAPJDK
-- new_chk4patch 119725-06 for LDAPJDK: using pkg: SUNWljdk
1.0,REV=2004.10.11.06.02
-- INFO: No pkgparams for pkg SUNWljdk 1.0,REV=2004.10.11.06.02
LDAPJDK patch 119725-06 is not present.
-- chk4patch 148582-06 /tmp/.patchout_20140808173158.20173 IMAPI
-- new_chk4patch 148582-06 for IMAPI: using pkg: SUNWiimd
9.0,REV=2011.09.05
-- Exact match found in PATCHLIST
IMAPI patch 148582-06 is already present.
-- chk4patch 137204-31 /tmp/.patchout_20140808173158.20173 MS64
-- new_chk4patch 137204-31 for MS64: using pkg: SUNWmessaging-server-64
7.0,REV=2008.06.20
-- INFO: No pkgparams for pkg SUNWmessaging-server-64 7.0,REV=2008.06.20
MS64 patch 137204-31 is not present.
-- chk4patch 118242-03 /tmp/.patchout_20140808173158.20173 DSSETUP
-- new_chk4patch 118242-03 for DSSETUP: using pkg: SUNWcomds
6.3,REV=2004.08.12
-- INFO: No pkgparams for pkg SUNWcomds 6.3,REV=2004.08.12
DSSETUP patch 118242-03 is not present.
-- chk4patch 118245-26 /tmp/.patchout_20140808173158.20173 DSSETUP
-- new_chk4patch 118245-26 for DSSETUP: using pkg: SUNWcomds
6.3,REV=2004.08.12
-- INFO: No pkgparams for pkg SUNWcomds 6.3,REV=2004.08.12
DSSETUP patch 118245-26 is not present.
-- chk4patch 142785-15 /tmp/.patchout_20140808173158.20173 DAV
-- new_chk4patch 142785-15 for DAV: using pkg: SUNWdavserver
7.0,REV=2009.08.27
-- INFO: No pkgparams for pkg SUNWdavserver 7.0,REV=2009.08.27
DAV patch 142785-15 is not present.
-- chk4patch 148579-06 /tmp/.patchout_20140808173158.20173 IM
-- new_chk4patch 148579-06 for IM: using pkg: SUNWiimin
9.0,REV=2011.09.05
-- INFO: No pkgparams for pkg SUNWiimin 9.0,REV=2011.09.05
-- new_chk4patch 148579-06 for IM: using pkg: SUNWiim 9.0,REV=2011.09.05
-- INFO: No pkgparams for pkg SUNWiim 9.0,REV=2011.09.05
-- new_chk4patch 148579-06 for IM: using pkg: SUNWiimm
9.0,REV=2011.09.05
-- INFO: No pkgparams for pkg SUNWiimm 9.0,REV=2011.09.05
-- new_chk4patch 148579-06 for IM: using pkg: SUNWiimjd
9.0,REV=2011.09.05
-- INFO: No pkgparams for pkg SUNWiimjd 9.0,REV=2011.09.05
-- new_chk4patch 148579-06 for IM: using pkg: SUNWiimid
9.0,REV=2011.09.05
-- INFO: No pkgparams for pkg SUNWiimid 9.0,REV=2011.09.05
-- new_chk4patch 148579-06 for IM: using pkg: SUNWiimgw

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9.0,REV=2011.09.05
-- INFO: No pkgparams for pkg SUNWiimgw 9.0,REV=2011.09.05
-- new_chk4patch 148579-06 for IM: using pkg: SUNWiimw
9.0,REV=2011.09.05
-- INFO: No pkgparams for pkg SUNWiimw 9.0,REV=2011.09.05
-- new_chk4patch 148579-06 for IM: using pkg: SUNWiimfed
9.0,REV=2011.09.05
-- INFO: No pkgparams for pkg SUNWiimfed 9.0,REV=2011.09.05
IM patch 148579-06 is not present.
-- chk4patch 142824-22 /tmp/.patchout_20140808173158.20173 JISS
-- new_chk4patch 142824-22 for JISS: using pkg: SUNWjiss
1.0,REV=2009.09.09
-- INFO: No pkgparams for pkg SUNWjiss 1.0,REV=2009.09.09
JISS patch 142824-22 is not present.
-- chk4patch 124581-09 /tmp/.patchout_20140808173158.20173 DA
-- new_chk4patch 124581-09 for DA: using pkg: SUNWcommda
7.0,REV=2009.03.31
-- INFO: No pkgparams for pkg SUNWcommda 7.0,REV=2009.03.31
DA patch 124581-09 is not present.
-- chk4patch 137571-01 /tmp/.patchout_20140808173158.20173 IM_SCHA
-- new_chk4patch 137571-01 for IM_SCHA: using pkg: SUNWiimsc
7.3,REV=2008.01.07.20.24.34
-- INFO: No pkgparams for pkg SUNWiimsc 7.3,REV=2008.01.07.20.24.34
IM_SCHA patch 137571-01 is not present.
===== QQQ detectProducts =====
QQQ Dumper
!!! present
$VAR1 = {
  'IWC' => {
    '2.0' => 'NOT_PRESENT',
    '3.0' => 'NOT_PRESENT',
    '1.0' => 'NOT_PRESENT'
  },
  'SASL' => {
    '2.19' => 'PRESENT'
  },
  '119345-08' => 'PRESENT',
  'MS64_L10N' => {
    '6.3' => 'NOT_PRESENT'
  },
  '119725-06' => 'NOT_PRESENT',
  '119810-07' => 'PRESENT',
  'MS' => {
    '7.3_32' => 'NOT_PRESENT',
    '7.2_32' => 'NOT_PRESENT',
    '7.5_32' => 'NOT_PRESENT',
    '6.3_32' => 'NOT_PRESENT'
  },
  '137571-01' => 'NOT_PRESENT',
  '142785-15' => 'NOT_PRESENT',
  'DSSETUP' => {
    '6.4' => 'NOT_PRESENT'
  },
  '126868-04' => 'PRESENT',
  '119254-88' => 'PRESENT',
  '120900-04' => 'PRESENT',

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'119963-27' => 'PRESENT',
'MQ_L10N' => {
'4.3' => 'DIFF_VERSION',
'3.7' => 'DIFF_VERSION',
'4.1' => 'DIFF_VERSION',
'4.4' => 'PRESENT'
},
'ICU' => {
'ICU2,ICU3' => 'PRESENT'
},
'120272-28' => 'PRESENT',
'MS64' => {
'7.5' => 'NOT_PRESENT',
'7.3_32' => 'NOT_PRESENT',
'7.5_32' => 'NOT_PRESENT',
'7.2_32' => 'NOT_PRESENT',
'6.3' => 'NOT_PRESENT',
'6.3_32' => 'NOT_PRESENT'
},
'DAV' => {
'7.4' => 'NOT_PRESENT'
},
'LDAPCSKD6' => {
'6.0' => 'PRESENT'
},
'CE' => {
'6.3' => 'NOT_PRESENT'
},
'JDK' => {
'1.6.0' => 'PRESENT',
'1.5.0' => 'PRESENT'
},
'MYSQL' => {
'5.1.36' => 'NOT_PRESENT',
'5.5.8' => 'NOT_PRESENT'
},
'PATCHUTILS' => {
'Unknown' => 'PRESENT'
},
'MQ' => {
'4.3' => 'DIFF_VERSION',
'3.7' => 'DIFF_VERSION',
'4.1' => 'DIFF_VERSION',
'4.4' => 'PRESENT'
},
'124581-09' => 'NOT_PRESENT',
'125358-15' => 'PRESENT',
'CI' => {
'7.6' => 'DIFF_VERSION'
},
'IMAPI' => {
'8.0' => 'DIFF_VERSION',
'7.0' => 'DIFF_VERSION',
'7.3' => 'DIFF_VERSION',
'9.2' => 'PRESENT'
},

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'137321-01' => 'PRESENT',
'LDAPCSDK6_TOOLS' => {
'6.0' => 'PRESENT'
},
'125136-66' => 'NOT_PRESENT',
'JISS' => {
'0.9' => 'NOT_PRESENT',
'1.5' => 'NOT_PRESENT'
},
'NSS' => {
'4.8.9' => 'PRESENT'
},
'CS_L10N' => {
'6.2' => 'NOT_PRESENT',
'6.3' => 'NOT_PRESENT'
},
'ST' => {
'1.1.4' => 'PRESENT'
},
'IM' => {
'8.3' => 'NOT_PRESENT',
'7.0' => 'NOT_PRESENT',
'7.3' => 'NOT_PRESENT',
'9.2' => 'NOT_PRESENT'
},
'RECOMMENDED' => {
'2013.02.19' => 'PRESENT'
},
'137204-31' => 'NOT_PRESENT',
'IM_L10N' => {
'7.2' => 'NOT_PRESENT',
'7.0' => 'NOT_PRESENT'
},
'NAB' => {
'8.0' => 'NOT_PRESENT'
},
'136798-03' => 'PRESENT',
'125137-66' => 'NOT_PRESENT',
'148579-06' => 'NOT_PRESENT',
'148582-06' => 'PRESENT',
'CS_SCHA' => {
'6.0' => 'NOT_PRESENT',
'6.3' => 'NOT_PRESENT'
},
'LDAPJDK' => {
'4.21' => 'NOT_PRESENT'
},
'MYSQL_MARKER' => {
'1.1' => 'NOT_PRESENT',
'1.0' => 'NOT_PRESENT'
},
'BZIP' => {
'11.10' => 'PRESENT'
},
'142824-22' => 'NOT_PRESENT',
'IM_SCHA' => {

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'7.0' => 'NOT_PRESENT',
'7.3' => 'NOT_PRESENT'
},
'MS_L10N' => {
'6.2' => 'NOT_PRESENT',
'6.3' => 'NOT_PRESENT'
},
'118245-26' => 'NOT_PRESENT',
'LIBCPLUSPLUS' => {
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},

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'ICU' => {
'ICU2,ICU3' => [
'/usr',
'10/Generic',
'Not Found',
'ICU2,ICU3',
'Not Found',
'Not Found',
'Not Found',
'',
'Not Found'
],
},
'LIBCPLUSPLUS' => {
'5.9' => [
'/',
'5.10',
'Not Found',
'5.9',
'Not Found',
'Not Found',
'Not Found',
'',
'Not Found'
],
},
'LDAPCSDK6' => {
'6.0' => [
'/',
'6.03',
'Not Found',
'6.0',
'Not Found',
'Not Found',
'Not Found',
'',
'Not Found'
],
},
'JDK' => {
'1.6.0' => [
'/usr',
'1.6.0_26/1.6.0_26-b03',
'Not Found',
'1.6.0',
'Not Found',
'Not Found',
'Not Found',
'',
'Not Found'
],
},
'PATCHUTILS' => {
'Unknown' => [
'/',
'5.10',

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'Not Found',
'Unknown',
'Not Found',
'Not Found',
'Not Found',
'',
'Not Found'
]
},
'MQ' => {
'4.4' => [
'/',
'4.4.1.0',
'Not Found',
'4.4',
'Not Found',
'Not Found',
'Not Found',
'',
'Not Found'
]
},
'JHRT' => {
'2.0' => [
'/usr',
'2.0/FCS',
'Not Found',
'2.0',
'Not Found',
'Not Found',
'Not Found',
'',
'Not Found'
]
},
'IMAPI' => {
'9.2' => [
'/',
'9.2-06.7',
'Not Found',
'9u2',
'Not Found',
'Not Found',
'Not Found',
'',
'Not Found'
]
},
'CI' => {
'7.6,REV=2014.06.27' => [
'/opt/sun/comms/CommsInstaller',
'7.6-0.07',
'20140627',
'7u6',
'SunOS',
'sparc',

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'32',
'',
'7.0.6.0.0'
],
},
'LDAPSDK6_TOOLS' => {
'6.0' => [
'/opt/SUNWdsee',
'6.03',
'Not Found',
'6.0',
'Not Found',
'Not Found',
'Not Found',
'',
'Not Found'
],
},
'NSS' => {
'4.8.9' => [
'/',
'4.9.5',
'Not Found',
'4.8.9',
'Not Found',
'Not Found',
'Not Found',
'',
'Not Found'
],
},
};
!!! pkglist detectProducts
$VAR1 = {
'IWC' => {
'2.0' => [
'SUNWiwc',
'2.0,REV=2010.07.26'
],
'3.0' => [
'SUNWiwc',
'3.0,REV=2014.06.30'
],
'1.0' => [
'SUNWiwc',
'1.0,REV=2008.07.07'
],
},
'SASL' => {
'2.19' => [
'SUNWsasl',
'2.17,REV=2004.04.06.15.24'
],
},
'MS64_L10N' => {
'6.3' => [

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'SUNWmessaging-server-l10n-64',
'6.3,REV=2007.05.09'
],
},
'MS' => {
'7.3_32' => [],
'7.2_32' => [
'SUNWmessaging-server',
'7.0,REV=2008.06.20'
],
'7.5_32' => [],
'6.3_32' => [
'SUNWmsgin',
'6.0,REV=2003.10.29',
'SUNWmsgen',
'6.0,REV=2003.10.29',
'SUNWmsglb',
'6.0,REV=2003.10.29',
'SUNWmsgco',
'6.0,REV=2003.10.29',
'SUNWmsgmt',
'6.0,REV=2003.10.29',
'SUNWmsgst',
'6.0,REV=2003.10.29',
'SUNWmsgmp',
'6.0,REV=2003.10.29',
'SUNWmsgwm',
'6.0,REV=2003.10.29',
'SUNWmsgmf',
'6.0,REV=2003.10.29'
]
},
'DSSETUP' => {
'6.4' => [
'SUNWcomds',
'6.3,REV=2004.08.12'
]
},
'MQ_L10N' => {
'4.3' => [
'SUNWfiqu',
'4.3,REV=2008.10.27.08.57.02',
'SUNWfiquc',
'4.3,REV=2008.10.27.08.57.05',
'SUNWdiqu',
'4.3,REV=2008.10.27.08.57.55',
'SUNWdiquc',
'4.3,REV=2008.10.27.08.57.58',
'SUNWjiqu',
'4.3,REV=2008.10.27.09.00.27',
'SUNWjiquc',
'4.3,REV=2008.10.27.09.00.28',
'SUNWeiQU',
'4.3,REV=2008.10.27.08.58.45',
'SUNWeiQUc',
'4.3,REV=2008.10.27.08.58.48',

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'SUNWkiqu',
'4.3,REV=2008.10.27.08.59.36',
'SUNWkiquc',
'4.3,REV=2008.10.27.08.59.38',
'SUNWciqu',
'4.3,REV=2008.10.27.09.01.18',
'SUNWciquc',
'4.3,REV=2008.10.27.09.01.19',
'SUNWhiqu',
'4.3,REV=2008.10.27.09.02.09',
'SUNWhiquc',
'4.3,REV=2008.10.27.09.02.10'
],
'3.7' => [
'SUNWfiqu',
'3.7,REV=2006.09.28.02.20.49',
'SUNWfiquc',
'3.7,REV=2006.09.28.02.21.13',
'SUNWdiqu',
'3.7,REV=2006.09.28.02.20.38',
'SUNWdiquc',
'3.7,REV=2006.09.28.02.21.09',
'SUNWjiqu',
'3.7,REV=2006.09.02.02.06.39',
'SUNWjiquc',
'3.7,REV=2006.09.02.02.07.00',
'SUNWeiqu',
'3.7,REV=2006.09.28.02.20.43',
'SUNWeiquc',
'3.7,REV=2006.09.28.02.21.11',
'SUNWkiqu',
'3.7,REV=2006.09.28.02.20.59',
'SUNWkiquc',
'3.7,REV=2006.09.28.02.21.19',
'SUNWciqu',
'3.7,REV=2006.09.02.02.06.49',
'SUNWciquc',
'3.7,REV=2006.09.02.02.07.03',
'SUNWhiqu',
'3.7,REV=2006.10.28.02.59.24',
'SUNWhiquc',
'3.7,REV=2006.10.28.02.59.36'
],
'4.1' => [
'SUNWfiqu',
'4.1,REV=2007.08.02.12.38',
'SUNWfiquc',
'4.1,REV=2007.08.02.12.38',
'SUNWdiqu',
'4.1,REV=2007.08.02.12.38',
'SUNWdiquc',
'4.1,REV=2007.08.02.12.38',
'SUNWjiqu',
'4.1,REV=2007.08.02.12.38',
'SUNWjiquc',
'4.1,REV=2007.08.02.12.38',

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'SUNWeiqu',
'4.1,REV=2007.08.02.12.38',
'SUNWeiquc',
'4.1,REV=2007.08.02.12.38',
'SUNWkiqu',
'4.1,REV=2007.08.02.12.38',
'SUNWkiquc',
'4.1,REV=2007.08.02.12.38',
'SUNWciqu',
'4.1,REV=2007.08.02.12.38',
'SUNWciquc',
'4.1,REV=2007.08.02.12.38',
'SUNWhiqu',
'4.1,REV=2007.08.02.12.38',
'SUNWhiquc',
'4.1,REV=2007.08.02.12.38'
],
'4.4' => [
'SUNWfiqu',
'4.4,REV=2009.10.01.09.42.14',
'SUNWfiquc',
'4.4,REV=2009.10.01.09.42.16',
'SUNWdiqu',
'4.4,REV=2009.10.01.09.42.59',
'SUNWdiquc',
'4.4,REV=2009.10.01.09.43.03',
'SUNWjiqu',
'4.4,REV=2009.10.01.09.45.16',
'SUNWjiquc',
'4.4,REV=2009.10.01.09.45.18',
'SUNWeiqu',
'4.4,REV=2009.10.01.09.43.44',
'SUNWeiquc',
'4.4,REV=2009.10.01.09.43.47',
'SUNWkiqu',
'4.4,REV=2009.10.01.09.44.30',
'SUNWkiquc',
'4.4,REV=2009.10.01.09.44.32',
'SUNWciqu',
'4.4,REV=2009.10.01.09.46.01',
'SUNWciquc',
'4.4,REV=2009.10.01.09.46.03',
'SUNWhiqu',
'4.4,REV=2009.10.01.09.46.48',
'SUNWhiquc',
'4.4,REV=2009.10.01.09.46.50'
]
},
'ICU' => {
'ICU2,ICU3' => [
'SUNWicu',
'1.2,REV=2005.01.06.14.13'
]
},
'MS64' => {
'7.5' => [

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'SUNWmessaging-server-64',
'7.0,REV=2008.06.20'
],
'7.3_32' => [],
'7.5_32' => [],
'7.2_32' => [
'SUNWmessaging-server',
'7.0,REV=2008.06.20'
],
'6.3' => [
'SUNWmessaging-server-64',
'6.3,REV=2007.02.26'
],
'6.3_32' => [
'SUNWmsgin',
'6.0,REV=2003.10.29',
'SUNWmsgen',
'6.0,REV=2003.10.29',
'SUNWmsglb',
'6.0,REV=2003.10.29',
'SUNWmsgco',
'6.0,REV=2003.10.29',
'SUNWmsgmt',
'6.0,REV=2003.10.29',
'SUNWmsgst',
'6.0,REV=2003.10.29',
'SUNWmsgmp',
'6.0,REV=2003.10.29',
'SUNWmsgwm',
'6.0,REV=2003.10.29',
'SUNWmsgmf',
'6.0,REV=2003.10.29'
]
},
'DAV' => {
'7.4' => [
'SUNWdavserver',
'7.0,REV=2009.08.27'
]
},
'LDAPCSDK6' => {
'6.0' => [
'SUNWldapcsdk-libs',
'6.00,REV=2006.12.11.00.08',
'SUNWldapcsdk-dev',
'6.00,REV=2006.12.11.00.08'
]
},
'CE' => {
'6.3' => [
'SUNWuwc',
'6.1,REV=2004.04.29'
]
},
'JDK' => {
'1.6.0' => [

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'SUNWj6rt',
'1.6.0,REV=2006.11.29.05.57',
'SUNWj6rtx',
'1.6.0,REV=2006.11.29.04.58',
'SUNWj6dev',
'1.6.0,REV=2006.11.29.05.57',
'SUNWj6dvx',
'1.6.0,REV=2006.11.29.04.58',
'SUNWj6cfg',
'1.6.0,REV=2006.11.29.05.57'
],
'1.5.0' => [
'SUNWj5rt',
'1.5.0,REV=2004.12.07.00.07',
'SUNWj5rtx',
'1.5.0,REV=2004.12.06.22.09',
'SUNWj5cfg',
'1.5.0,REV=2004.12.07.00.07'
]
},
'MYSQL' => {
'5.1.36' => [
'mysql',
'5.1.36'
],
'5.5.8' => [
'mysql',
'5.5.8'
]
},
'MQ' => {
'4.3' => [
'SUNWiqr',
'4.3,REV=2008.11.07.18.44',
'SUNWiqu',
'4.3,REV=2008.11.07.18.44',
'SUNWiqdoc',
'4.3,REV=2008.11.07.18.44',
'SUNWiquc',
'4.3,REV=2008.11.07.18.44',
'SUNWiqum',
'4.3,REV=2008.11.07.18.44',
'SUNWiqjx',
'4.3,REV=2008.11.07.18.44',
'SUNWiqfs',
'4.3,REV=2008.11.07.18.44',
'SUNWiqcrt',
'4.3,REV=2008.11.07.18.44',
'SUNWiqcdv',
'4.3,REV=2008.11.07.18.44',
'SUNWiqlen',
'4.3,REV=2008.11.07.18.45'
],
'3.7' => [
'SUNWiqr',
'3.7,REV=2006.06.18.22.34',

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'SUNWiqu',
'3.7,REV=2006.06.18.22.34',
'SUNWiqtpl',
'3.7,REV=2006.06.18.22.35',
'SUNWiqdoc',
'3.7,REV=2006.06.18.22.35',
'SUNWiquc',
'3.7,REV=2006.06.18.22.35',
'SUNWiquum',
'3.7,REV=2006.06.18.22.35',
'SUNWiqjx',
'3.7,REV=2006.06.18.22.35',
'SUNWiqfs',
'3.7,REV=2006.06.18.22.35',
'SUNWiqcrt',
'3.7,REV=2006.06.18.22.35',
'SUNWiqcdv',
'3.7,REV=2006.06.18.22.35',
'SUNWiqlen',
'3.7,REV=2006.06.18.22.35'
],
'4.1' => [
'SUNWiqr',
'4.1,REV=2007.07.26.10.58',
'SUNWiqu',
'4.1,REV=2007.07.26.10.58',
'SUNWiqdoc',
'4.1,REV=2007.07.26.10.58',
'SUNWiquc',
'4.1,REV=2007.07.26.10.59',
'SUNWiquum',
'4.1,REV=2007.07.26.10.59',
'SUNWiqjx',
'4.1,REV=2007.07.26.10.59',
'SUNWiqfs',
'4.1,REV=2007.07.26.10.59',
'SUNWiqcrt',
'4.1,REV=2007.07.26.10.59',
'SUNWiqcdv',
'4.1,REV=2007.07.26.10.59'
],
'4.4' => [
'SUNWiqr',
'4.4,REV=2009.08.27.08.32',
'SUNWiqu',
'4.4,REV=2009.08.27.08.32',
'SUNWiqdoc',
'4.4,REV=2009.08.27.08.32',
'SUNWiquc',
'4.4,REV=2009.08.27.08.33',
'SUNWiquum',
'4.4,REV=2009.08.27.08.33',
'SUNWiqjx',
'4.4,REV=2009.08.27.08.33',
'SUNWiqfs',
'4.4,REV=2009.08.27.08.33',

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'SUNWiqcrt',
'4.4,REV=2009.08.27.08.33',
'SUNWiqcdv',
'4.4,REV=2009.08.27.08.33',
'SUNWiqlen',
'4.4,REV=2009.08.27.08.33'
]
},
'PATCHUTILS' => {
'Unknown' => [
'SUNWpkgcmdsu',
'11.11,REV=2005.01.09.23.05',
'SUNWswmt',
'11.10,REV=2005.01.10.17.19',
'SUNWinstall-patch-utils-root',
'11.10,REV=2005.01.09.23.05',
'SUNWcsr',
'11.10.0,REV=2005.01.21.15.53',
'SUNWdtrc',
'11.10.0,REV=2005.01.21.15.53',
'SUNWzoneu',
'11.10.0,REV=2005.01.21.15.53'
]
},
'CI' => {
'7.6' => [
'SUNWcomms',
'7.6,REV=2014.07.01'
],
'7.6,REV=2014.06.27' => [
'SUNWcomms',
'7.6,REV=2014.06.27'
]
},
'IMAPI' => {
'8.0' => [
'SUNWiimdvd',
'8.0,REV=2008.12.04'
],
'7.0' => [
'SUNWiimdvd',
'7.0,REV=2004.11.24.05.24.36'
],
'7.3' => [
'SUNWiimdvd',
'7.3,REV=2008.01.15'
],
'9.2' => [
'SUNWiimdvd',
'9.0,REV=2011.09.05'
]
},
'LDAPCSDK6_TOOLS' => {
'6.0' => [
'SUNWldapcsdk-tools',
'6.00,REV=2006.12.11.00.08'
]
}

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]
},
'JISS' => {
'0.9' => [
'SUNWjiss-common',
'1.0,REV=2009.08.17',
'SUNWjiss-conf',
'1.0,REV=2009.08.17',
'SUNWjiss-extjars',
'1.0,REV=2009.08.17',
'SUNWjiss-indexapi',
'1.0,REV=2009.08.17',
'SUNWjiss-jmqc',
'1.0,REV=2009.08.17',
'SUNWjiss-rest',
'1.0,REV=2009.08.17',
'SUNWjiss-search',
'1.0,REV=2009.08.17',
'SUNWjiss-searchui',
'1.0,REV=2009.08.17',
'SUNWjiss-store',
'1.0,REV=2009.08.17',
'SUNWjiss-storeui',
'1.0,REV=2009.08.17'
],
'1.5' => [
'SUNWjiss',
'1.0,REV=2009.09.09'
]
},
'NSS' => {
'4.8.9' => [
'SUNWpr',
'4.6.4,REV=2006.11.16.20.40',
'SUNWprd',
'4.6.4,REV=2006.11.16.20.40',
'SUNWtls',
'3.11.4,REV=2006.11.16.20.40',
'SUNWtlsd',
'3.11.4,REV=2006.11.16.20.40',
'SUNWtlsu',
'3.11.4,REV=2006.11.16.20.40',
'SUNWjss',
'4.2.4,REV=2006.11.16.20.40'
]
},
'CS_L10N' => {
'6.2' => [
'SUNWdeics',
'6.0,REV=2003.11.14.15.16.33',
'SUNWesics',
'6.0,REV=2003.11.14.15.16.33',
'SUNWfrics',
'6.0,REV=2003.11.14.15.16.33',
'SUNWjaics',
'6.0,REV=2003.11.14.15.16.33',

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'SUNWkoics',
'6.0,REV=2003.11.14.15.16.33',
'SUNWzhics',
'6.0,REV=2003.11.14.15.16.33',
'SUNWtwics',
'6.0,REV=2003.11.14.15.16.33'
],
'6.3' => [
'SUNWics-l10n',
'6.3,REV=2007.01.05.03.20.27'
]
},
'ST' => {
'1.1.4' => [
'SUNWservicetagr',
'1.1.4,REV=2008.03.21.07.54',
'SUNWservicetagu',
'1.1.4,REV=2008.03.21.07.54',
'SUNWstosreg',
'1.1.4,REV=2008.03.21.07.54'
]
},
'IM' => {
'8.3' => [
'SUNWiim',
'8.0,REV=2008.12.04',
'SUNWiimin',
'8.0,REV=2008.12.04',
'SUNWiimm',
'8.0,REV=2008.12.04',
'SUNWiimjd',
'8.0,REV=2008.12.04',
'SUNWiimid',
'8.0,REV=2008.12.04',
'SUNWiimc',
'8.0,REV=2008.12.04',
'SUNWiimd',
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'SUNWiimgw',
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],
'7.0' => [
'SUNWiimin',
'7.0,REV=2004.11.24.05.24.36',
'SUNWiim',
'7.0,REV=2004.11.24.05.24.36',
'SUNWiimm',
'7.0,REV=2004.11.24.05.24.36',
'SUNWiimjd',
'7.0,REV=2004.11.24.05.24.36',
'SUNWiimid',
'7.0,REV=2004.11.24.05.24.36',
'SUNWiimc',
'7.0,REV=2004.11.24.05.24.36',
'SUNWiimd',
'7.0,REV=2004.11.24.05.24.36'
]
}

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],
'7.3' => [
'SUNWiim',
'7.3,REV=2008.01.15',
'SUNWiimin',
'7.3,REV=2008.01.15',
'SUNWiimm',
'7.3,REV=2008.01.15',
'SUNWiimjd',
'7.3,REV=2008.01.15',
'SUNWiimid',
'7.3,REV=2008.01.15',
'SUNWiimc',
'7.3,REV=2008.01.15',
'SUNWiimd',
'7.3,REV=2008.01.15'
],
'9.2' => [
'SUNWiimin',
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'SUNWiim',
'9.0,REV=2011.09.05',
'SUNWiimm',
'9.0,REV=2011.09.05',
'SUNWiimjd',
'9.0,REV=2011.09.05',
'SUNWiimid',
'9.0,REV=2011.09.05',
'SUNWiimgw',
'9.0,REV=2011.09.05',
'SUNWiimw',
'9.0,REV=2011.09.05',
'SUNWiimfed',
'9.0,REV=2011.09.05'
]
},
'RECOMMENDED' => {
'2013.02.19' => [
'SUNWckr',
'11.10.0,REV=2005.01.21.15.53',
'SUNWbzip',
'11.10.0,REV=2005.01.08.05.16',
'SUNWpkgcmdsu',
'11.11,REV=2005.01.09.23.05'
]
},
'IM_L10N' => {
'7.2' => [
'SUNWiimc-l10n',
'7.2,REV=2006.12.19.04.40.00',
'SUNWiimd-l10n',
'7.2,REV=2006.10.26.04.19.15',
'SUNWiimid-l10n',
'7.2,REV=2006.10.26.04.19.19',
'SUNWiimin-l10n',
'7.2,REV=2006.10.26.04.19.22'
]
}

```

```

],
'7.0' => [
'SUNWdiimc',
'7.0,REV=2004.11.24.05.29',
'SUNWdiimd',
'7.0,REV=2004.11.24.05.29',
'SUNWdimid',
'7.0,REV=2004.11.24.05.29',
'SUNWeiimc',
'7.0,REV=2004.11.24.05.29',
'SUNWeiimd',
'7.0,REV=2004.11.24.05.29',
'SUNWeiimin',
'7.0,REV=2004.11.24.05.29',
'SUNWeimid',
'7.0,REV=2004.11.24.05.29',
'SUNWfiimc',
'7.0,REV=2004.11.24.05.30',
'SUNWfiimd',
'7.0,REV=2004.11.24.05.30',
'SUNWfiimin',
'7.0,REV=2004.11.24.05.30',
'SUNWfimid',
'7.0,REV=2004.11.24.05.30',
'SUNWjiimc',
'7.0,REV=2004.11.24.05.26',
'SUNWjiimd',
'7.0,REV=2004.11.24.05.26',
'SUNWjiimin',
'7.0,REV=2004.11.24.05.26',
'SUNWjimid',
'7.0,REV=2004.11.24.05.26',
'SUNWkiimc',
'7.0,REV=2004.11.24.05.26',
'SUNWkiimd',
'7.0,REV=2004.11.24.05.27',
'SUNWkiimin',
'7.0,REV=2004.11.24.05.26',
'SUNWkimid',
'7.0,REV=2004.11.24.05.27',
'SUNWciimc',
'7.0,REV=2004.11.24.05.27',
'SUNWciimd',
'7.0,REV=2004.11.24.05.27',
'SUNWciimin',
'7.0,REV=2004.11.24.05.27',
'SUNWcimid',
'7.0,REV=2004.11.24.05.27',
'SUNWhiimc',
'7.0,REV=2004.11.24.05.28',
'SUNWhiimd',
'7.0,REV=2004.11.24.05.28',
'SUNWhiimin',
'7.0,REV=2004.11.24.05.28',
'SUNWhimid',
'7.0,REV=2004.11.24.05.28'
]

```

```

]
},
'NAB' => {
'8.0' => [
'SUNWnabserver',
'8.0,REV=2014.05.22'
]
},
'CS_SCHA' => {
'6.0' => [
'SUNWscics',
'6.0,REV=2003.11.14'
],
'6.3' => [
'SUNWscics',
'6.3,REV=2008.03.31.18.10.20'
]
},
'LDAPJDK' => {
'4.21' => [
'SUNWljdk',
'1.0,REV=2004.10.11.06.02'
]
},
'BZIP' => {
'11.10' => [
'SUNWbzip',
'11.10.0,REV=2005.01.08.05.16'
]
},
'MYSQL_MARKER' => {
'1.1' => [
'SUNWcomms-mysql-marker',
'1.1,REV=2011.09.09'
],
'1.0' => [
'SUNWcomms-mysql-marker',
'1.0,REV=2009.09.09'
]
},
'IM_SCHA' => {
'7.0' => [
'SUNWiimsc',
'7.0,REV=2005.08.03.09.41.41'
],
'7.3' => [
'SUNWiimsc',
'7.3,REV=2008.01.07.20.24.34'
]
},
'MS_L10N' => {
'6.2' => [
'SUNWmsgde',
'6.0,REV=2003.10.10',
'SUNWmsges',
'6.0,REV=2003.10.10',

```

```

'SUNWmsgfr',
'6.0,REV=2003.10.10',
'SUNWmsgja',
'6.0,REV=2003.10.10',
'SUNWmsgko',
'6.0,REV=2003.10.10',
'SUNWmsgzh',
'6.0,REV=2003.10.10',
'SUNWmsgtw',
'6.0,REV=2003.10.10'
],
'6.3' => [
'SUNWmsg-l10n',
'6.3,REV=2006.12.20'
]
},
'LIBCPLUSPLUS' => {
'5.9' => [
'SUNWlibc',
'5.10,REV=2004.12.22'
]
},
'MS_SCHA' => {
'6.0' => [
'SUNWscims',
'6.0,REV=2003.10.29'
],
'7.0' => [
'SUNWmessaging-server-scha',
'7.0,REV=2008.05.19'
]
},
'CS' => {
'6.3' => [
'SUNWics5',
'6.0,REV=2003.11.14.18.12.58',
'SUNWica5',
'6.0,REV=2003.11.14.18.12.58'
]
},
'JHRT' => {
'2.0' => [
'SUNWjhrt',
'2.0,REV=2006.10.31',
'SUNWjhdev',
'2.0,REV=2006.10.04',
'SUNWjhdev',
'2.0,REV=2006.10.04',
'SUNWjhdoc',
'2.0,REV=2006.10.04'
]
},
'CE_L10N' => {
'6.2' => [
'SUNWduwc',
'6.1,REV=2004.04.23',

```

```

'SUNWeuwc',
'6.1, REV=2004.04.23',
'SUNWfuwc',
'6.1, REV=2004.04.23',
'SUNWjuwc',
'6.1, REV=2004.04.23',
'SUNWkuwc',
'6.1, REV=2004.04.23',
'SUNWcuwc',
'6.1, REV=2004.04.23',
'SUNWhuwc',
'6.1, REV=2004.04.23'
],
'6.3' => [
'SUNWuwc-l10n',
'6.1, REV=2006.12.14.03.02.41'
]
},
'DA' => {
'6.4' => [
'SUNWcomic',
'1.0, REV=2003.10.29',
'SUNWcomis',
'1.0, REV=2003.10.29'
],
'7.0' => [
'SUNWcommda',
'7.0, REV=2009.03.31'
]
}
};
===== End QQQ detectProducts =====
-- Checking for RECOMMENDED patch 119254-88
patch is PRESENT
-- Checking for RECOMMENDED patch 120272-28
patch is PRESENT
-- Checking for RECOMMENDED patch 147147-26
patch 147147-26: NOT_PRESENT
NOTICE: The OS Recommended Patch Cluster (as of 2013.02.19)
has not been applied. Specifically the following
patches are missing:
147147-26
NOTICE: You must apply the latest OS Recommended Patchset
Some products will not work properly without it
Do you want to continue ? [no] : yes
=====
===== QQQ =====
QQQ Dumper
!!! isUpgradable
$VAR1 = {};
!!! usePkgUpgradeFlag
$VAR1 = {};
Product Selection:

Shared Components (not shown) will be installed as required.
you will be prompted later if Shared Components need to be upgraded.

```

OS patches (not shown) will be installed as required.

Communication Products:

Item Description

- 1 Messaging Server (64bit) 7.0.5.31.0
- 2 Comms DSsetup 6.4.0.26.0
- 3 Calendar Server 7.0.4.15.0
- 4 Instant Messaging 9.0.2.6.0
- 5 Convergence 3.0.0.1.0
- 6 Indexing and Search Service 1.0.5.22.0
- 7 Comms Delegated Administrator 7.0.0.9.0
- 8 Contacts Server 8.0.0.0.0
- 9 Messaging Server Sun Cluster HA agent 7.0 (7.0-0.03)
- 10 Instant Messaging Sun Cluster HA agent 7.3 (7.3-01.02)

Enter the items you wish to install. Enter q to quit.
Prefix an item with ~ to indicate you only want
to install shared component dependencies of that product
You can enter multiple items using commas to separate them.
For example: 1,2

Please select the products you wish to install [1, 2, 3, 4, 5, 6, 7, 8,
9, 10]: =====

QQQ selections: 0 MS64 0 DSSETUP 0 DAV 0 IM 0 IWC 0 JISS 0 DA 0 NAB 0
MS_SCHA 0 IM_SCHA

Generating list of things to install...

NOTICE: toInstall - PATCHUTILS IMAPI JDK ICU SASL LDAPCSDK6_TOOLS NSS MQ
MQ_L10N LDAPCSDK6 BZIP JHRT LIBCPLUSPLUS MS64 DSSETUP DAV IM IWC JISS DA
NAB MS_SCHA IM_SCHA CI

Checking for Shared Component Upgrade Requirements...

WARNING: JDK requires an upgrade for patches 125136-66 125137-66

Description: Java Development Kit

Product Version: 1.6.0

The distro does not contain the patches

Please obtain and apply them separately

=====

WARNING: JDK will NOT be upgraded...

Products may not work properly.

WILL INSTALL: Messaging Server (64bit) 7.0.5.31.0

to /opt/sun/comms/messaging64

Task: pkgadd -G -a

/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d

/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_MS64_20140808173158 SUNWmessaging-server-64

WILL INSTALL: Comms DSsetup 6.4.0.26.0

to /opt/sun/comms/dssetup

Task: pkgadd -G -a

/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d

/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_DSSETUP_20140808173158 SUNWcomds

```

WILL INSTALL: Calendar Server 7.0.4.15.0
to /opt/sun/comms/davserver
Task: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_DAV_20140808173158 SUNWdavserver
WILL INSTALL: Instant Messaging 9.0.2.6.0
to /opt/sun/comms/im
Task: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_IM_20140808173158 SUNWiimin
Task: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_IM_20140808173158 SUNWiim
Task: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_IM_20140808173158 SUNWiimm
Task: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_IM_20140808173158 SUNWiimjd
Task: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_IM_20140808173158 SUNWiimid
Task: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_IM_20140808173158 SUNWiimgw
Task: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_IM_20140808173158 SUNWiimw
Task: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_IM_20140808173158 SUNWiimfed
WILL INSTALL: Convergence 3.0.0.1.0
to /opt/sun/comms/iwc
Task: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_IWC_20140808173158 SUNWiwc

```



```

WILL INSTALL: Indexing and Search Service 1.0.5.22.0
to /opt/sun/comms/jiss
Task: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_JISS_20140808173158 SUNWjiss
WILL INSTALL: Comms Delegated Administrator 7.0.0.9.0
to /opt/sun/comms/da
Task: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_DA_20140808173158 SUNWcommda
WILL INSTALL: Contacts Server 8.0.0.0.0
to /opt/sun/comms/nabserver
Task: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_NAB_20140808173158 SUNWnabserver
WILL INSTALL: Messaging Server Sun Cluster HA agent 7.0 (7.0-0.03)
to /opt/sun/comms/msg_scha
Task: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_MS_SCHA_20140808173158 SUNWmessaging-server-scha
WILL INSTALL: Instant Messaging Sun Cluster HA agent 7.3 (7.3-01.02)
to /opt/sun/comms/im_scha
Task: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_IM_SCHA_20140808173158 SUNWiimsc
NOTICE: CommsInstaller will be upgraded...
Removing the old version is an irreversible process.
WILL REMOVE EXISTING: CommsInstaller 7.0.6.0.0
-- QQQ30 removeProductPkgs (product=CI pkg=SUNWcomms 7.6,REV=2014.06.27
i=0: realpkg=SUNWcomms base=/opt/sun/comms/CommsInstaller
Task: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWcomms
WILL INSTALL: CommsInstaller 7.0.6.0.0
to /opt/sun/comms/CommsInstaller
Task: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_CI_20140808173158 SUNWcomms
=====
Ready to install

Do you want to continue ? [yes] :

=====

```

```

Installing Messaging Server (64bit) 7.0.5.31.0...
----- Executing Task 1 of 19 ...
pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_MS64_20140808173158 SUNWmessaging-server-64 2>&1
Copyright 2003-2008 Sun Microsystems, Inc. All rights reserved.
Use is subject to license terms.

Installation of <SUNWmessaging-server-64> was successful.
-- Exit status: 0

=====
Installing Comms DSsetup 6.4.0.26.0...
----- Executing Task 2 of 19 ...
pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_DSSETUP_20140808173158 SUNWcomds 2>&1
Copyright 2003 Sun Microsystems, Inc. All rights reserved.
Use is subject to license terms.

Installation of <SUNWcomds> was successful.
-- Exit status: 0

=====
Installing Calendar Server 7.0.4.15.0...
----- Executing Task 3 of 19 ...
pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_DAV_20140808173158 SUNWdavserver 2>&1
Copyright © 2009 Sun Microsystems, Inc. All rights reserved. SUN
PROPRIETARY/CONFIDENTIAL.
Use is subject to license terms.

Installation of <SUNWdavserver> was successful.
-- Exit status: 0

=====
Installing Instant Messaging 9.0.2.6.0...
----- Executing Task 4 of 19 ...
pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_IM_20140808173158 SUNWiimin 2>&1
Copyright (c) 2010 Oracle and/or its affiliates. All rights reserved.
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Installation of <SUNWiimin> was successful.
-- Exit status: 0
----- Executing Task 5 of 19 ...

```

```

pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_IM_20140808173158 SUNWiim 2>&1
Copyright (c) 2010 Oracle and/or its affiliates. All rights reserved.
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Installation of <SUNWiim> was successful.
-- Exit status: 0
----- Executing Task 6 of 19 ...
pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_IM_20140808173158 SUNWiimm 2>&1
Copyright (c) 2010 Oracle and/or its affiliates. All rights reserved.
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Installation of <SUNWiimm> was successful.
-- Exit status: 0
----- Executing Task 7 of 19 ...
pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_IM_20140808173158 SUNWiimjd 2>&1
Copyright (c) 2010 Oracle and/or its affiliates. All rights reserved.
Use is subject to license terms.

Installation of <SUNWiimjd> was successful.
-- Exit status: 0
----- Executing Task 8 of 19 ...
pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_IM_20140808173158 SUNWiimid 2>&1
Copyright (c) 2010 Oracle and/or its affiliates. All rights reserved.
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Installation of <SUNWiimid> was successful.
-- Exit status: 0
----- Executing Task 9 of 19 ...
pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_IM_20140808173158 SUNWiimgw 2>&1
Copyright (c) 2010 Oracle and/or its affiliates. All rights reserved.
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Installation of <SUNWiimgw> was successful.
-- Exit status: 0
----- Executing Task 10 of 19 ...
pkgadd -G -a

```

```

/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_IM_20140808173158 SUNWiimw 2>&1
Copyright (c) 2010 Oracle and/or its affiliates. All rights reserved.
Use is subject to license terms.

Installation of <SUNWiimw> was successful.
-- Exit status: 0
----- Executing Task 11 of 19 ...
pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_IM_20140808173158 SUNWiimfed 2>&1
Copyright (c) 2010 Oracle and/or its affiliates. All rights reserved.
Use is subject to license terms.

Installation of <SUNWiimfed> was successful.
-- Exit status: 0

=====
Installing Convergence 3.0.0.1.0...
----- Executing Task 12 of 19 ...
pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_IWC_20140808173158 SUNWiwc 2>&1
Copyright (c) 2010, Oracle and/or its affiliates. All rights reserved.
Use is subject to license terms.

Installation of <SUNWiwc> was successful.
-- Exit status: 0

=====
Installing Indexing and Search Service 1.0.5.22.0...
----- Executing Task 13 of 19 ...
pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_JISS_20140808173158 SUNWjiss 2>&1
Copyright (c) 2009 Sun Microsystems, Inc. All rights reserved.
Use is subject to license terms.

Installation of <SUNWjiss> was successful.
-- Exit status: 0

=====
Installing Comms Delegated Administrator 7.0.0.9.0...
----- Executing Task 14 of 19 ...
pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76

```

```

-r /tmp/.response_DA_20140808173158 SUNWcommda 2>&1
Copyright 2003 Sun Microsystems, Inc. All rights reserved.
Use is subject to license terms.

Installation of <SUNWcommda> was successful.
-- Exit status: 0

=====
Installing Contacts Server 8.0.0.0.0...
----- Executing Task 15 of 19 ...
pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_NAB_20140808173158 SUNWnabserver 2>&1
Copyright © 2014 Oracle and/or its affiliates. All rights reserved.
Use is subject to license terms.

Installation of <SUNWnabserver> was successful.
-- Exit status: 0

=====
Installing Messaging Server Sun Cluster HA agent 7.0 (7.0-0.03)...
----- Executing Task 16 of 19 ...
pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_MS_SCHA_20140808173158 SUNWmessaging-server-scha 2>&1
Copyright 2003-2008 Sun Microsystems, Inc. All rights reserved.
Use is subject to license terms.

Installation of <SUNWmessaging-server-scha> was successful.
-- Exit status: 0

=====
Installing Instant Messaging Sun Cluster HA agent 7.3 (7.3-01.02)...
----- Executing Task 17 of 19 ...
pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_IM_SCHA_20140808173158 SUNWiimsc 2>&1
Copyright (c) 2006 Sun Microsystems, Inc. All rights reserved.
PROPRIETARY/CONFIDENTIAL
Use is subject to license terms.

Installation of <SUNWiimsc> was successful.
-- Exit status: 0

=====
Removing existing CommsInstaller 7.0.6.0.0...
----- Executing Task 18 of 19 ...
pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWcomms 2>&1

```

Removal of <SUNWcomms> was successful.
-- Exit status: 0

```
=====
Installing CommsInstaller 7.0.6.0.0...
----- Executing Task 19 of 19 ...
pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_CI_20140808173158 SUNWcomms 2>&1
Copyright (c) 2007, 2014, Oracle and/or its affiliates. All rights
reserved.
Use is subject to license terms.
```

Installation of <SUNWcomms> was successful.
-- Exit status: 0

SUMMARY:

```
PASSED: Task 1: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_MS64_20140808173158 SUNWmessaging-server-64
PASSED: Task 2: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_DSSETUP_20140808173158 SUNWcomds
PASSED: Task 3: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_DAV_20140808173158 SUNWdavserver
PASSED: Task 4: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_IM_20140808173158 SUNWiimin
PASSED: Task 5: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_IM_20140808173158 SUNWiim
PASSED: Task 6: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_IM_20140808173158 SUNWiimm
PASSED: Task 7: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_IM_20140808173158 SUNWiimjd
```

```

PASSED: Task 8: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_IM_20140808173158 SUNWiimid
PASSED: Task 9: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_IM_20140808173158 SUNWiimgw
PASSED: Task 10: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_IM_20140808173158 SUNWiimw
PASSED: Task 11: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_IM_20140808173158 SUNWiimfed
PASSED: Task 12: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_IWC_20140808173158 SUNWiwc
PASSED: Task 13: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_JISS_20140808173158 SUNWjiss
PASSED: Task 14: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_DA_20140808173158 SUNWcommda
PASSED: Task 15: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_NAB_20140808173158 SUNWnabserver
PASSED: Task 16: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_MS_SCHA_20140808173158 SUNWmessaging-server-scha
PASSED: Task 17: pkgadd -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_IM_SCHA_20140808173158 SUNWiimsc
PASSED: Task 18: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWcomms
PASSED: Task 19: pkgadd -G -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-n -d

```



```

/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-r /tmp/.response_CI_20140808173158 SUNWcomms

All tasks PASSED
Checking JES java symlink...
ls -l /usr/jdk /usr/java 2>&1
lrwxrwxrwx 1 root other 15 Nov 6 2013 /usr/java -> jdk/jdk1.6.0_26

/usr/jdk:
total 10
drwxr-xr-x 4 root bin 4 Jun 12 2012 instances
lrwxrwxrwx 1 root other 7 Jun 12 2012 j2sdk1.4.2_32 -> ../j2se
lrwxrwxrwx 1 root other 18 Feb 26 2013 jdk1.5.0_12 -> instances/jdk1.5.0
lrwxrwxrwx 1 root other 18 Nov 6 2013 jdk1.6.0_26 -> instances/jdk1.6.0
lrwxrwxrwx 1 root other 11 Nov 6 2013 latest -> jdk1.6.0_26
drwxr-xr-x 8 root bin 8 Nov 6 2013 packages
-- Exit status: 0
ls -l /usr/jdk/entsys-j2se /usr/jdk/latest 2>&1
/usr/jdk/entsys-j2se: No such file or directory
lrwxrwxrwx 1 root other 11 Nov 6 2013 /usr/jdk/latest -> jdk1.6.0_26
-- Exit status: 2
ls -lL /usr/jdk/entsys-j2se /usr/jdk/latest 2>&1
/usr/jdk/entsys-j2se: No such file or directory
/usr/jdk/latest:
total 38080
-rw-r--r-- 1 root bin 3339 May 4 2011 COPYRIGHT
-rw-r--r-- 1 root bin 40 May 4 2011 LICENSE
-rw-r--r-- 1 root bin 115 May 4 2011 README.html
-rw-r--r-- 1 root bin 20320 Nov 29 2006 README_ja.html
-rw-r--r-- 1 root bin 15160 Nov 29 2006 README_zh_CN.html
-rw-r--r-- 1 root bin 183173 May 4 2011 THIRDPARTYLICENSEREADME.txt
drwxr-xr-x 3 root bin 49 Nov 6 2013 bin
drwxr-xr-x 11 root bin 12 Jun 12 2012 demo
drwxr-xr-x 3 root bin 8 Nov 6 2013 include
drwxr-xr-x 6 root bin 11 Nov 6 2013 jre
drwxr-xr-x 3 root bin 11 Nov 6 2013 lib
drwxr-xr-x 6 root bin 6 Jun 12 2012 man
-r--r--r-- 1 root other 6646 Nov 6 2013 register.html
-r--r--r-- 1 root other 8092 Nov 6 2013 register_ja.html
-r--r--r-- 1 root other 6249 Nov 6 2013 register_zh_CN.html
drwxr-xr-x 10 root bin 10 Jun 12 2012 sample
-rw-r--r-- 1 root bin 19103364 May 4 2011 src.zip
-- Exit status: 2
INFO: no update to /etc/softlist.xml required

Hit Return to Continue:
=====
-- unlink /tmp/.response_MS64_20140808173158
-- unlink /tmp/.response_DSSETUP_20140808173158
-- unlink /tmp/.response_DAV_20140808173158
-- unlink /tmp/.response_IM_20140808173158
-- unlink /tmp/.response_IWC_20140808173158
-- unlink /tmp/.response_JISS_20140808173158
-- unlink /tmp/.response_DA_20140808173158
-- unlink /tmp/.response_NAB_20140808173158
-- unlink /tmp/.response_MS_SCHA_20140808173158

```



```

-- unlink /tmp/.response_IM_SCHA_20140808173158
-- unlink /tmp/.response_CI_20140808173158
-- unlink /tmp/.patchout_20140808173158.20173
mkdir -p /var/opt/CommsInstaller/logs 2>&1
-- Exit status: 0

NOTICE: To undo the installation, run the commands in:
/var/opt/CommsInstaller/logs/undoCommsInstall_20140808173158

NOTICE: silent file created in:
/var/opt/CommsInstaller/logs/silent_CommsInstaller_20140808173158
-- Closing the log at Fri Aug 8 17:33:06 2014
[525 Fri Aug 08 17:33:40 root@host% /home/user/wspace/releases/ci76# ]
# ./commpkg info
-- LOGFILE: /tmp/CommsInstaller_20140808173350.log
CommsInstaller version 7.0.6.0.0 (7.6-0.10) built on Tue Jul 1 21:57:57
PDT 2014
=====
Detecting Installed Products...
Detecting Installed Patches...
NOTICE: The OS Recommended Patch Cluster (as of 2013.02.19)
has not been applied. Specifically the following
patches are missing:
147147-26
NOTICE: It is highly recommended that you apply the
latest OS Recommended Patch Cluster. commpkg will
not do this automatically.
ALTR00T: /
NAME: ""
Product: Messaging Server (64bit) 7u5 64bit
Oracle Version: 7.0.5.31.0
Version: 7.5-31.0
ALTR00T: /
Basedir: /opt/sun/comms/messaging64
Build Date: 20140505
Product: Comms DSsetup 6.4
Oracle Version: 6.4.0.26.0
Version: 6.4-26.01
ALTR00T: /
Basedir: /opt/sun/comms/dssetup
Build Date: 20140418
Product: Calendar Server 7u4
Oracle Version: 7.0.4.15.0
Version: 7.4-15.10
ALTR00T: /
Basedir: /opt/sun/comms/davserver
Build Date: 20140425
Product: Instant Messaging 9u2 64bit
Oracle Version: 9.0.2.6.0
Version: 9.2-06.7
ALTR00T: /
Basedir: /opt/sun/comms/im
Build Date: 20140625
Product: Convergence 3
Oracle Version: 3.0.0.1.0
Version: 3.0-1.0022

```

```

ALTR00T: /
Basedir: /opt/sun/comms/iwc
Build Date: 20140630
Product: Indexing and Search Service 1u5
Oracle Version: 1.0.5.22.0
Version: 1.5-22.11300
ALTR00T: /
Basedir: /opt/sun/comms/jiss
Build Date: 20140528
Product: Comms Delegated Administrator 7
Oracle Version: 7.0.0.9.0
Version: 7.0-9.00
ALTR00T: /
Basedir: /opt/sun/comms/da
Build Date: 20140106
Product: Messaging Server Sun Cluster HA agent 7.0
Oracle Version: Not Found
Version: 7.0-0.03
ALTR00T: /
Basedir: /opt/sun/comms/msg_scha
Build Date: 20080519
Product: Instant Messaging Sun Cluster HA agent 7.3
Oracle Version: Not Found
Version: 7.3-01.02
ALTR00T: /
Basedir: /opt/sun/comms/im_scha
Build Date: 20080403
Product: Contacts Server 8
Oracle Version: 8.0.0.0.0
Version: 8.0-0.52
ALTR00T: /
Basedir: /opt/sun/comms/nabserver
Build Date: 20140522

[526 Fri Aug 08 17:34:02 root@host% /home/user/wspace/releases/ci76# ]
# ./commpkg info verbose
-- LOGFILE: /tmp/CommsInstaller_20140808173405.log
CommsInstaller version 7.0.6.0.0 (7.6-0.10) built on Tue Jul 1 21:57:57
PDT 2014
ERROR: installName verbose was not found in softlist

Usage: commpkg info [<options>] [<ALTR00T|name>]

Print out information on known altroots or the specified
alternate root.

The options are:

--help, -?
print help

--version, -V
prints version

--clean
Remove entries in the software list.

```

```

If <ALTRoot|name> is specified then remove it from softlist
If no <ALTRoot|name> is specified then remove all entries in softlist

--components <comp1 comp2 ...>
A space delimited set of component products. Each product has mnemonic
associated with it.

--listPackages
list the packages that make up each comms product,
shared component, and OS Auxiliary product.
The other switches are ignored.

The <ALTRoot|name> specifies an ALTRoot or name from the
software list. The name from the software list will indicate the
altroot to use. It is an error if name does not exist
in the software list. If no ALTRoot or name is specified then
print information on all the altroots listed in the software list.

If altroot is specified and does not exist in the software list,
and is a valid alternate root then it is added to the software list.

To specify the default altroot use "/" or "". The friendly name for the
default altroot is "".

at
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
line 214.
[527 Fri Aug 08 17:34:06 root@host% /home/user/wspace/releases/ci76# ]
# ls -l /opt/sun/comms
total 33
3 drwxr-xr-x 6 root root 6 Aug 8 17:33 CommsInstaller/
3 drwxr-xr-x 6 root root 6 Aug 8 17:33 da/
3 drwxr-xr-x 8 root root 8 Aug 8 17:32 davserver/
3 drwxr-xr-x 5 root root 5 Aug 8 17:32 dssetup/
3 drwxr-xr-x 7 root root 7 Aug 8 17:32 im/
3 drwxr-xr-x 5 root root 5 Aug 8 17:33 im_scha/
3 drwxr-xr-x 7 root root 7 Aug 8 17:32 iwc/
3 drwxr-xr-x 21 root root 22 Aug 8 17:32 jiss/
3 drwxr-xr-x 9 root root 12 Aug 8 17:32 messaging64/
3 drwxr-xr-x 4 root root 4 Aug 8 17:33 msg_scha/
3 drwxr-xr-x 8 root root 8 Aug 8 17:33 nabserver/
[528 Fri Aug 08 17:34:10 root@host% /home/user/wspace/releases/ci76# ]
# ./commpkg uninstall
-- LOGFILE: /tmp/CommsInstaller_20140808173417.log
CommsInstaller version 7.0.6.0.0 (7.6-0.10) built on Tue Jul 1 21:57:57
PDT 2014
Detecting Installed Products...
Detecting Installed Patches...
=====
Product Selection:

Communication Products:

Item Description
-----
1 Messaging Server (64bit) 7.0.5.31.0

```

```

Installed Version at /opt/sun/comms/messaging64
2 Comms DSsetup 6.4.0.26.0
Installed Version at /opt/sun/comms/dssetup
3 Calendar Server 7.0.4.15.0
Installed Version at /opt/sun/comms/davserver
4 Instant Messaging 9.0.2.6.0
Installed Version at /opt/sun/comms/im
5 Convergence 3.0.0.1.0
Installed Version at /opt/sun/comms/iwc
6 Indexing and Search Service 1.0.5.22.0
Installed Version at /opt/sun/comms/jiss
7 Comms Delegated Administrator 7.0.0.9.0
Installed Version at /opt/sun/comms/da
8 Messaging Server Sun Cluster HA agent 7.0 (7.0-0.03)
Installed Version at /opt/sun/comms/msg_scha
9 Instant Messaging Sun Cluster HA agent 7.3 (7.3-01.02)
Installed Version at /opt/sun/comms/im_scha
10 Contacts Server 8.0.0.0.0
Installed Version at /opt/sun/comms/nabserver

Enter the items you wish to uninstall. Enter q to quit.
You can enter multiple items using commas to separate them.
For example: 1,2

Please select the products you wish to uninstall [1, 2, 3, 4, 5, 6, 7,
8, 9, 10]:
=====
WILL UNINSTALL: Messaging Server (64bit) 7.0.5.31.0
at /opt/sun/comms/messaging64
WILL UNINSTALL: Comms DSsetup 6.4.0.26.0
at /opt/sun/comms/dssetup
WILL UNINSTALL: Calendar Server 7.0.4.15.0
at /opt/sun/comms/davserver
WILL UNINSTALL: Instant Messaging 9.0.2.6.0
at /opt/sun/comms/im
WILL UNINSTALL: Convergence 3.0.0.1.0
at /opt/sun/comms/iwc
WILL UNINSTALL: Indexing and Search Service 1.0.5.22.0
at /opt/sun/comms/jiss
WILL UNINSTALL: Comms Delegated Administrator 7.0.0.9.0
at /opt/sun/comms/da
WILL UNINSTALL: Messaging Server Sun Cluster HA agent 7.0 (7.0-0.03)
at /opt/sun/comms/msg_scha
WILL UNINSTALL: Instant Messaging Sun Cluster HA agent 7.3 (7.3-01.02)
at /opt/sun/comms/im_scha
WILL UNINSTALL: Contacts Server 8.0.0.0.0
at /opt/sun/comms/nabserver
=====
Ready to uninstall

Do you want to continue ? [yes] :

=====
Uninstalling Messaging Server (64bit) 7.0.5.31.0 at
/opt/sun/comms/messaging64)...
----- Executing Task 1 of 17 ...

```

```

=====
Uninstalling Comms DSsetup 6.4.0.26.0 at /opt/sun/comms/dssetup)...
----- Executing Task 2 of 17 ...

=====
Uninstalling Calendar Server 7.0.4.15.0 at /opt/sun/comms/davserver)...
----- Executing Task 3 of 17 ...

=====
Uninstalling Instant Messaging 9.0.2.6.0 at /opt/sun/comms/im)...
----- Executing Task 4 of 17 ...
----- Executing Task 5 of 17 ...
----- Executing Task 6 of 17 ...
----- Executing Task 7 of 17 ...
----- Executing Task 8 of 17 ...
----- Executing Task 9 of 17 ...
----- Executing Task 10 of 17 ...
----- Executing Task 11 of 17 ...

=====
Uninstalling Convergence 3.0.0.1.0 at /opt/sun/comms/iwc)...
----- Executing Task 12 of 17 ...

=====
Uninstalling Indexing and Search Service 1.0.5.22.0 at
/opt/sun/comms/jiss)...
----- Executing Task 13 of 17 ...

=====
Uninstalling Comms Delegated Administrator 7.0.0.9.0 at
/opt/sun/comms/da)...
----- Executing Task 14 of 17 ...

=====
Uninstalling Messaging Server Sun Cluster HA agent 7.0 (7.0-0.03) at
/opt/sun/comms/msg_scha)...
----- Executing Task 15 of 17 ...

=====
Uninstalling Instant Messaging Sun Cluster HA agent 7.3 (7.3-01.02) at
/opt/sun/comms/im_scha)...
----- Executing Task 16 of 17 ...

=====
Uninstalling Contacts Server 8.0.0.0.0 at /opt/sun/comms/nabserver)...
----- Executing Task 17 of 17 ...
=====
SUMMARY:

All tasks PASSED
Checking JES java symlink...
INFO: no update to /etc/softlist.xml required

Hit Return to Continue:

```

```

=====
NOTICE: silent file created in:
/var/opt/CommsInstaller/logs/silent_CommsInstaller_20140808173417
NOTICE: LOGFILE created in:
/var/opt/CommsInstaller/logs/CommsInstaller_20140808173417.log
[529 Fri Aug 08 17:34:46 root@host% /home/user/wspace/releases/ci76# ]
# cat /var/opt/CommsInstaller/logs/silent_CommsInstaller_20140808173417
#
# Silent File for CommsInstaller 7.0.6.0.0 (7.6-0.10)
# Generated on 20140808173417
#
#
#
# verb used to create this silent file
VERB=uninstall

#
# root directory
#
ROOTDIR=/

#
# list of components (using mnemonics)
# WARNING: for verb=uninstall, when there are multiple
# instances, the latest known version found is uninstalled
#
COMPONENTS=MS64 DSSETUP DAV IM IWC JISS DA MS_SCHA IM_SCHA NAB
COMPONENT_VERSIONS= 7.5 6.4 7.4 9.2 3.0 1.5 7.0 7.0 7.3 8.0
[530 Fri Aug 08 17:34:54 root@host% /home/user/wspace/releases/ci76# ]
# cat /var/opt/CommsInstaller/logs/CommsInstaller_20140808173417.log
===== LOGFILE started Fri Aug 8 17:34:17 2014 =====
LOGFILE = /tmp/CommsInstaller_20140808173417.log
Running /usr/bin/perl ./commpkg
-- /usr/bin/perl ./commpkg uninstall
-- ARGS:
uninstall
-- perl version: 5.008004 pid: 21110
-- basetime: 1407544457 Fri Aug 8 17:34:17 2014
-- scriptDir:
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
LOGFILE: /tmp/CommsInstaller_20140808173417.log
CommsInstaller version 7.0.6.0.0 (7.6-0.10) built on Tue Jul 1 21:57:57
PDT 2014
-- UNAME = SunOS ARCH = sparc OS_VERS = 5.10 BITS = 64
uname -a 2>&1
SunOS host 5.10 Generic_147440-12 sun4v sparc sun4v
-- Exit status: 0
!!! ENV
$VAR1 = {
'HOME' => '/',
'PS1' => '[\\! \\d \\t \\u@\\h% \\w\\$ ]
\\$ ',
'LC_COLLATE' => '',
'LC_ALL' => '',

```

```

'CDPATH' => '...:/home/user',
'LC_NUMERIC' => '',
'MAIL' => '/var/mail/uadmin',
'TZ' => 'PST8PDT',
'PWD' => '/home/user/wspace/releases/ci76',
'LC_TIME' => '',
'LANG' => 'C',
'LC_MESSAGES' => '',
'LC_CTYPE' => '',
'LOGNAME' => 'uadmin',
'SHLLVL' => '1',
'OLDPWD' => '/home/user/wspace',
'LC_MONETARY' => '',
'_' => './commpkg',
'PATH' =>
'/bin:/usr/bin:/usr/sbin:/sbin:/usr/etc::~~/bin:/opt/csw/bin:/new/local/bin:
=> '/bin/sh',
'HZ' => '',
'TERM' => 'dumb'
};
cat /etc/release 2>&1
Oracle Solaris 10 8/11 s10s_u10wos_17b SPARC
Copyright (c) 1983, 2011, Oracle and/or its affiliates. All rights
reserved.
Assembled 23 August 2011
-- Exit status: 0
-- Recognized OS_VERS
/usr/bin/pkgcond -n is_what 2>&1
can_add_driver=0
can_remove_driver=0
can_update_driver=0
is_alternative_root=0
is_boot_environment=0
is_diskless_client=0
is_global_zone=1
is_mounted_miniroot=0
is_netinstall_image=0
is_nonglobal_zone=0
is_path_writable=1
is_running_system=1
is_sparse_root_nonglobal_zone=0
is_whole_root_nonglobal_zone=0
-- Exit status: 1
/usr/bin/pkgcond -n is_global_zone 2>&1
-- Exit status: 1
/usr/bin/pkgcond -n is_sparse_root_nonglobal_zone 2>&1
-- Exit status: 0
Reading Product Files...
Reading
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
no mapFile
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
no mapFile
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76

```

[illegible]


```

/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
no mapFile
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
no mapFile
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
not found, skipping...
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
not found, skipping...
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
not found, skipping...
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
not found, skipping...
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
not found, skipping...
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
not found, skipping...
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
not found, skipping...
Reading OLD
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
OLD
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
OLD
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
OLD
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
OLD
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
OLD
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
OLD
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
OLD
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
OLD
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
OLD
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
OLD
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
OLD
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
OLD

```

[illegible]

```

/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
pkglist readProductFiles
$VAR1 = {
  'IWC' => {
    '2.0' => [
      'SUNWiwc',
      '2.0,REV=2010.07.26'
    ],
    '3.0' => [
      'SUNWiwc',
      '3.0,REV=2014.06.30'
    ],
    '1.0' => [
      'SUNWiwc',
      '1.0,REV=2008.07.07'
    ]
  },
  'SASL' => {
    '2.19' => [
      'SUNWsasl',
      '2.17,REV=2004.04.06.15.24'
    ]
  },
  'MS64_L10N' => {
    '6.3' => [
      'SUNWmessaging-server-l10n-64',
      '6.3,REV=2007.05.09'
    ]
  },
  'MS' => {
    '7.3_32' => [],
    '7.2_32' => [
      'SUNWmessaging-server',
      '7.0,REV=2008.06.20'
    ],
    '7.5_32' => [],
    '6.3_32' => [
      'SUNWmsgin',
      '6.0,REV=2003.10.29',
      'SUNWmsgen',
      '6.0,REV=2003.10.29',
      'SUNWmsglb',
      '6.0,REV=2003.10.29',
      'SUNWmsgco',
      '6.0,REV=2003.10.29',
      'SUNWmsgmt',
      '6.0,REV=2003.10.29',
      'SUNWmsgst',
      '6.0,REV=2003.10.29',
      'SUNWmsgmp',
      '6.0,REV=2003.10.29',
      'SUNWmsgwm',
      '6.0,REV=2003.10.29',
      'SUNWmsgmf',
      '6.0,REV=2003.10.29'
    ]
  }
}

```

```

},
'DSSETUP' => {
'6.4' => [
'SUNWcomds',
'6.3,REV=2004.08.12'
]
},
'MQ_L10N' => {
'4.3' => [
'SUNWfiqu',
'4.3,REV=2008.10.27.08.57.02',
'SUNWfiquc',
'4.3,REV=2008.10.27.08.57.05',
'SUNWdiqu',
'4.3,REV=2008.10.27.08.57.55',
'SUNWdiquc',
'4.3,REV=2008.10.27.08.57.58',
'SUNWjiqu',
'4.3,REV=2008.10.27.09.00.27',
'SUNWjiquc',
'4.3,REV=2008.10.27.09.00.28',
'SUNWeiQU',
'4.3,REV=2008.10.27.08.58.45',
'SUNWeiQUc',
'4.3,REV=2008.10.27.08.58.48',
'SUNWkiQU',
'4.3,REV=2008.10.27.08.59.36',
'SUNWkiQUc',
'4.3,REV=2008.10.27.08.59.38',
'SUNWciQU',
'4.3,REV=2008.10.27.09.01.18',
'SUNWciQUc',
'4.3,REV=2008.10.27.09.01.19',
'SUNWhiQU',
'4.3,REV=2008.10.27.09.02.09',
'SUNWhiQUc',
'4.3,REV=2008.10.27.09.02.10'
],
'3.7' => [
'SUNWfiqu',
'3.7,REV=2006.09.28.02.20.49',
'SUNWfiquc',
'3.7,REV=2006.09.28.02.21.13',
'SUNWdiqu',
'3.7,REV=2006.09.28.02.20.38',
'SUNWdiquc',
'3.7,REV=2006.09.28.02.21.09',
'SUNWjiqu',
'3.7,REV=2006.09.02.02.06.39',
'SUNWjiquc',
'3.7,REV=2006.09.02.02.07.00',
'SUNWeiQU',
'3.7,REV=2006.09.28.02.20.43',
'SUNWeiQUc',
'3.7,REV=2006.09.28.02.21.11',
'SUNWkiQU',

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```

'3.7,REV=2006.09.28.02.20.59',
'SUNWkiquc',
'3.7,REV=2006.09.28.02.21.19',
'SUNWciqu',
'3.7,REV=2006.09.02.02.06.49',
'SUNWciquc',
'3.7,REV=2006.09.02.02.07.03',
'SUNWhiqu',
'3.7,REV=2006.10.28.02.59.24',
'SUNWhiquc',
'3.7,REV=2006.10.28.02.59.36'
],
'4.1' => [
'SUNWfiqu',
'4.1,REV=2007.08.02.12.38',
'SUNWfiquc',
'4.1,REV=2007.08.02.12.38',
'SUNWdiqu',
'4.1,REV=2007.08.02.12.38',
'SUNWdiquc',
'4.1,REV=2007.08.02.12.38',
'SUNWjiqu',
'4.1,REV=2007.08.02.12.38',
'SUNWjiquc',
'4.1,REV=2007.08.02.12.38',
'SUNWeiQU',
'4.1,REV=2007.08.02.12.38',
'SUNWeiQUc',
'4.1,REV=2007.08.02.12.38',
'SUNWkiqu',
'4.1,REV=2007.08.02.12.38',
'SUNWkiquc',
'4.1,REV=2007.08.02.12.38',
'SUNWciqu',
'4.1,REV=2007.08.02.12.38',
'SUNWciquc',
'4.1,REV=2007.08.02.12.38',
'SUNWhiqu',
'4.1,REV=2007.08.02.12.38',
'SUNWhiquc',
'4.1,REV=2007.08.02.12.38'
],
'4.4' => [
'SUNWfiqu',
'4.4,REV=2009.10.01.09.42.14',
'SUNWfiquc',
'4.4,REV=2009.10.01.09.42.16',
'SUNWdiqu',
'4.4,REV=2009.10.01.09.42.59',
'SUNWdiquc',
'4.4,REV=2009.10.01.09.43.03',
'SUNWjiqu',
'4.4,REV=2009.10.01.09.45.16',
'SUNWjiquc',
'4.4,REV=2009.10.01.09.45.18',
'SUNWeiQU',

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'4.4,REV=2009.10.01.09.43.44',
'SUNWeiquc',
'4.4,REV=2009.10.01.09.43.47',
'SUNWkiqu',
'4.4,REV=2009.10.01.09.44.30',
'SUNWkiquc',
'4.4,REV=2009.10.01.09.44.32',
'SUNWciqu',
'4.4,REV=2009.10.01.09.46.01',
'SUNWciquc',
'4.4,REV=2009.10.01.09.46.03',
'SUNWhiqu',
'4.4,REV=2009.10.01.09.46.48',
'SUNWhiuc',
'4.4,REV=2009.10.01.09.46.50'
]
},
'ICU' => {
'ICU2,ICU3' => [
'SUNWicu',
'1.2,REV=2005.01.06.14.13'
]
},
'MS64' => {
'7.5' => [
'SUNWmessaging-server-64',
'7.0,REV=2008.06.20'
],
'7.3_32' => [],
'7.5_32' => [],
'7.2_32' => [
'SUNWmessaging-server',
'7.0,REV=2008.06.20'
],
'6.3' => [
'SUNWmessaging-server-64',
'6.3,REV=2007.02.26'
],
'6.3_32' => [
'SUNWmsgin',
'6.0,REV=2003.10.29',
'SUNWmsgen',
'6.0,REV=2003.10.29',
'SUNWmsglb',
'6.0,REV=2003.10.29',
'SUNWmsgco',
'6.0,REV=2003.10.29',
'SUNWmsgmt',
'6.0,REV=2003.10.29',
'SUNWmsgst',
'6.0,REV=2003.10.29',
'SUNWmsgmp',
'6.0,REV=2003.10.29',
'SUNWmsgwm',
'6.0,REV=2003.10.29',
'SUNWmsgmf',

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```

'6.0,REV=2003.10.29'
]
},
'DAV' => {
'7.4' => [
'SUNWdavserver',
'7.0,REV=2009.08.27'
]
},
'LDAPCSDK6' => {
'6.0' => [
'SUNWldapcsdk-libs',
'6.00,REV=2006.12.11.00.08',
'SUNWldapcsdk-dev',
'6.00,REV=2006.12.11.00.08'
]
},
'CE' => {
'6.3' => [
'SUNWuwc',
'6.1,REV=2004.04.29'
]
},
'JDK' => {
'1.6.0' => [
'SUNWj6rt',
'1.6.0,REV=2006.11.29.05.57',
'SUNWj6rtx',
'1.6.0,REV=2006.11.29.04.58',
'SUNWj6dev',
'1.6.0,REV=2006.11.29.05.57',
'SUNWj6dvs',
'1.6.0,REV=2006.11.29.04.58',
'SUNWj6cfg',
'1.6.0,REV=2006.11.29.05.57'
],
'1.5.0' => [
'SUNWj5rt',
'1.5.0,REV=2004.12.07.00.07',
'SUNWj5rtx',
'1.5.0,REV=2004.12.06.22.09',
'SUNWj5cfg',
'1.5.0,REV=2004.12.07.00.07'
]
},
'MYSQL' => {
'5.1.36' => [
'mysql',
'5.1.36'
],
'5.5.8' => [
'mysql',
'5.5.8'
]
},
'MQ' => {

```

```

'4.3' => [
'SUNWiqr',
'4.3,REV=2008.11.07.18.44',
'SUNWiqu',
'4.3,REV=2008.11.07.18.44',
'SUNWiqdoc',
'4.3,REV=2008.11.07.18.44',
'SUNWiquc',
'4.3,REV=2008.11.07.18.44',
'SUNWiquum',
'4.3,REV=2008.11.07.18.44',
'SUNWiqjx',
'4.3,REV=2008.11.07.18.44',
'SUNWiqfs',
'4.3,REV=2008.11.07.18.44',
'SUNWiqcrt',
'4.3,REV=2008.11.07.18.44',
'SUNWiqcdv',
'4.3,REV=2008.11.07.18.44',
'SUNWiqlen',
'4.3,REV=2008.11.07.18.45'
],
'3.7' => [
'SUNWiqr',
'3.7,REV=2006.06.18.22.34',
'SUNWiqu',
'3.7,REV=2006.06.18.22.34',
'SUNWiqtpl',
'3.7,REV=2006.06.18.22.35',
'SUNWiqdoc',
'3.7,REV=2006.06.18.22.35',
'SUNWiquc',
'3.7,REV=2006.06.18.22.35',
'SUNWiquum',
'3.7,REV=2006.06.18.22.35',
'SUNWiqjx',
'3.7,REV=2006.06.18.22.35',
'SUNWiqfs',
'3.7,REV=2006.06.18.22.35',
'SUNWiqcrt',
'3.7,REV=2006.06.18.22.35',
'SUNWiqcdv',
'3.7,REV=2006.06.18.22.35',
'SUNWiqlen',
'3.7,REV=2006.06.18.22.35'
],
'4.1' => [
'SUNWiqr',
'4.1,REV=2007.07.26.10.58',
'SUNWiqu',
'4.1,REV=2007.07.26.10.58',
'SUNWiqdoc',
'4.1,REV=2007.07.26.10.58',
'SUNWiquc',
'4.1,REV=2007.07.26.10.59',
'SUNWiquum',

```



```

'4.1,REV=2007.07.26.10.59',
'SUNWiqjx',
'4.1,REV=2007.07.26.10.59',
'SUNWiqfs',
'4.1,REV=2007.07.26.10.59',
'SUNWiqcrt',
'4.1,REV=2007.07.26.10.59',
'SUNWiqcdv',
'4.1,REV=2007.07.26.10.59'
],
'4.4' => [
'SUNWiqr',
'4.4,REV=2009.08.27.08.32',
'SUNWiqu',
'4.4,REV=2009.08.27.08.32',
'SUNWiqdoc',
'4.4,REV=2009.08.27.08.32',
'SUNWiquc',
'4.4,REV=2009.08.27.08.33',
'SUNWiqum',
'4.4,REV=2009.08.27.08.33',
'SUNWiqjx',
'4.4,REV=2009.08.27.08.33',
'SUNWiqfs',
'4.4,REV=2009.08.27.08.33',
'SUNWiqcrt',
'4.4,REV=2009.08.27.08.33',
'SUNWiqcdv',
'4.4,REV=2009.08.27.08.33',
'SUNWiqlen',
'4.4,REV=2009.08.27.08.33'
]
},
'PATCHUTILS' => {
'Unknown' => [
'SUNWpkgcmdsu',
'11.11,REV=2005.01.09.23.05',
'SUNWswmt',
'11.10,REV=2005.01.10.17.19',
'SUNWinstall-patch-utils-root',
'11.10,REV=2005.01.09.23.05',
'SUNWcsr',
'11.10.0,REV=2005.01.21.15.53',
'SUNWdtrc',
'11.10.0,REV=2005.01.21.15.53',
'SUNWzoneu',
'11.10.0,REV=2005.01.21.15.53'
]
},
'CI' => {
'7.6' => [
'SUNWcomms',
'7.6,REV=2014.07.01'
]
},
'IMAPI' => {

```

```

'8.0' => [
'SUNWiimdv',
'8.0,REV=2008.12.04'
],
'7.0' => [
'SUNWiimdv',
'7.0,REV=2004.11.24.05.24.36'
],
'7.3' => [
'SUNWiimdv',
'7.3,REV=2008.01.15'
],
'9.2' => [
'SUNWiimdv',
'9.0,REV=2011.09.05'
]
},
'LDAPCSK6_TOOLS' => {
'6.0' => [
'SUNWldapcsdk-tools',
'6.00,REV=2006.12.11.00.08'
]
},
'JISS' => {
'0.9' => [
'SUNWjiss-common',
'1.0,REV=2009.08.17',
'SUNWjiss-conf',
'1.0,REV=2009.08.17',
'SUNWjiss-extjars',
'1.0,REV=2009.08.17',
'SUNWjiss-indexapi',
'1.0,REV=2009.08.17',
'SUNWjiss-jmqc',
'1.0,REV=2009.08.17',
'SUNWjiss-rest',
'1.0,REV=2009.08.17',
'SUNWjiss-search',
'1.0,REV=2009.08.17',
'SUNWjiss-searchui',
'1.0,REV=2009.08.17',
'SUNWjiss-store',
'1.0,REV=2009.08.17',
'SUNWjiss-storeui',
'1.0,REV=2009.08.17'
],
'1.5' => [
'SUNWjiss',
'1.0,REV=2009.09.09'
]
},
'NSS' => {
'4.8.9' => [
'SUNWpr',
'4.6.4,REV=2006.11.16.20.40',
'SUNWprd',

```

```

'4.6.4,REV=2006.11.16.20.40',
'SUNWtls',
'3.11.4,REV=2006.11.16.20.40',
'SUNWtlsd',
'3.11.4,REV=2006.11.16.20.40',
'SUNWtlsu',
'3.11.4,REV=2006.11.16.20.40',
'SUNWjss',
'4.2.4,REV=2006.11.16.20.40'
]
},
'CS_L10N' => {
'6.2' => [
'SUNWdeics',
'6.0,REV=2003.11.14.15.16.33',
'SUNWesics',
'6.0,REV=2003.11.14.15.16.33',
'SUNWfrics',
'6.0,REV=2003.11.14.15.16.33',
'SUNWjaics',
'6.0,REV=2003.11.14.15.16.33',
'SUNWkoics',
'6.0,REV=2003.11.14.15.16.33',
'SUNWzhics',
'6.0,REV=2003.11.14.15.16.33',
'SUNWtwics',
'6.0,REV=2003.11.14.15.16.33'
],
'6.3' => [
'SUNWics-l10n',
'6.3,REV=2007.01.05.03.20.27'
]
},
'ST' => {
'1.1.4' => [
'SUNWservicetagr',
'1.1.4,REV=2008.03.21.07.54',
'SUNWservicetagu',
'1.1.4,REV=2008.03.21.07.54',
'SUNWstosreg',
'1.1.4,REV=2008.03.21.07.54'
]
},
'IM' => {
'8.3' => [
'SUNWiim',
'8.0,REV=2008.12.04',
'SUNWiimin',
'8.0,REV=2008.12.04',
'SUNWiimm',
'8.0,REV=2008.12.04',
'SUNWiimjd',
'8.0,REV=2008.12.04',
'SUNWiimid',
'8.0,REV=2008.12.04',
'SUNWiimc',

```

```

'8.0,REV=2008.12.04',
'SUNWiimd',
'8.0,REV=2008.12.04',
'SUNWiimgw',
'8.0,REV=2008.12.04'
],
'7.0' => [
'SUNWiimin',
'7.0,REV=2004.11.24.05.24.36',
'SUNWiim',
'7.0,REV=2004.11.24.05.24.36',
'SUNWiimm',
'7.0,REV=2004.11.24.05.24.36',
'SUNWiimjd',
'7.0,REV=2004.11.24.05.24.36',
'SUNWiimid',
'7.0,REV=2004.11.24.05.24.36',
'SUNWiimc',
'7.0,REV=2004.11.24.05.24.36',
'SUNWiimd',
'7.0,REV=2004.11.24.05.24.36'
],
'7.3' => [
'SUNWiim',
'7.3,REV=2008.01.15',
'SUNWiimin',
'7.3,REV=2008.01.15',
'SUNWiimm',
'7.3,REV=2008.01.15',
'SUNWiimjd',
'7.3,REV=2008.01.15',
'SUNWiimid',
'7.3,REV=2008.01.15',
'SUNWiimc',
'7.3,REV=2008.01.15',
'SUNWiimd',
'7.3,REV=2008.01.15'
],
'9.2' => [
'SUNWiimin',
'9.0,REV=2011.09.05',
'SUNWiim',
'9.0,REV=2011.09.05',
'SUNWiimm',
'9.0,REV=2011.09.05',
'SUNWiimjd',
'9.0,REV=2011.09.05',
'SUNWiimid',
'9.0,REV=2011.09.05',
'SUNWiimgw',
'9.0,REV=2011.09.05',
'SUNWiimw',
'9.0,REV=2011.09.05',
'SUNWiimfed',
'9.0,REV=2011.09.05'
]

```

```

},
'RECOMMENDED' => {
'2013.02.19' => [
'SUNWckr',
'11.10.0,REV=2005.01.21.15.53',
'SUNWbzip',
'11.10.0,REV=2005.01.08.05.16',
'SUNWpkgcmdsu',
'11.11,REV=2005.01.09.23.05'
]
},
'IM_L10N' => {
'7.2' => [
'SUNWiimc-l10n',
'7.2,REV=2006.12.19.04.40.00',
'SUNWiimd-l10n',
'7.2,REV=2006.10.26.04.19.15',
'SUNWiimid-l10n',
'7.2,REV=2006.10.26.04.19.19',
'SUNWiimin-l10n',
'7.2,REV=2006.10.26.04.19.22'
],
'7.0' => [
'SUNWdiimc',
'7.0,REV=2004.11.24.05.29',
'SUNWdiimd',
'7.0,REV=2004.11.24.05.29',
'SUNWdimid',
'7.0,REV=2004.11.24.05.29',
'SUNWeiimc',
'7.0,REV=2004.11.24.05.29',
'SUNWeiimd',
'7.0,REV=2004.11.24.05.29',
'SUNWeiimin',
'7.0,REV=2004.11.24.05.29',
'SUNWeimid',
'7.0,REV=2004.11.24.05.29',
'SUNWfiimc',
'7.0,REV=2004.11.24.05.30',
'SUNWfiimd',
'7.0,REV=2004.11.24.05.30',
'SUNWfiimin',
'7.0,REV=2004.11.24.05.30',
'SUNWfimid',
'7.0,REV=2004.11.24.05.30',
'SUNWjiimc',
'7.0,REV=2004.11.24.05.26',
'SUNWjiimd',
'7.0,REV=2004.11.24.05.26',
'SUNWjiimin',
'7.0,REV=2004.11.24.05.26',
'SUNWjimid',
'7.0,REV=2004.11.24.05.26',
'SUNWkiimc',
'7.0,REV=2004.11.24.05.26',
'SUNWkiimd',

```

```

'7.0,REV=2004.11.24.05.27',
'SUNWkiimin',
'7.0,REV=2004.11.24.05.26',
'SUNWkimid',
'7.0,REV=2004.11.24.05.27',
'SUNWciimc',
'7.0,REV=2004.11.24.05.27',
'SUNWciimd',
'7.0,REV=2004.11.24.05.27',
'SUNWciimin',
'7.0,REV=2004.11.24.05.27',
'SUNWcimid',
'7.0,REV=2004.11.24.05.27',
'SUNWhiimc',
'7.0,REV=2004.11.24.05.28',
'SUNWhiimd',
'7.0,REV=2004.11.24.05.28',
'SUNWhiimin',
'7.0,REV=2004.11.24.05.28',
'SUNWhimid',
'7.0,REV=2004.11.24.05.28'
]
},
'NAB' => {
'8.0' => [
'SUNWnabserver',
'8.0,REV=2014.05.22'
]
},
'CS_SCHA' => {
'6.0' => [
'SUNWscics',
'6.0,REV=2003.11.14'
],
'6.3' => [
'SUNWscics',
'6.3,REV=2008.03.31.18.10.20'
]
},
'LDAPJDK' => {
'4.21' => [
'SUNWljdk',
'1.0,REV=2004.10.11.06.02'
]
},
'BZIP' => {
'11.10' => [
'SUNWbzip',
'11.10.0,REV=2005.01.08.05.16'
]
},
'MYSQL_MARKER' => {
'1.1' => [
'SUNWcomms-mysql-marker',
'1.1,REV=2011.09.09'
],

```

```

'1.0' => [
'SUNWcomms-mysql-marker',
'1.0,REV=2009.09.09'
],
},
'IM_SCHA' => {
'7.0' => [
'SUNWiimsc',
'7.0,REV=2005.08.03.09.41.41'
],
'7.3' => [
'SUNWiimsc',
'7.3,REV=2008.01.07.20.24.34'
],
},
'MS_L10N' => {
'6.2' => [
'SUNWmsgde',
'6.0,REV=2003.10.10',
'SUNWmsges',
'6.0,REV=2003.10.10',
'SUNWmsgfr',
'6.0,REV=2003.10.10',
'SUNWmsgja',
'6.0,REV=2003.10.10',
'SUNWmsgko',
'6.0,REV=2003.10.10',
'SUNWmsgzh',
'6.0,REV=2003.10.10',
'SUNWmsgtw',
'6.0,REV=2003.10.10'
],
'6.3' => [
'SUNWmsg-l10n',
'6.3,REV=2006.12.20'
],
},
'LIBCPLUSPLUS' => {
'5.9' => [
'SUNWlibc',
'5.10,REV=2004.12.22'
],
},
'MS_SCHA' => {
'6.0' => [
'SUNWscims',
'6.0,REV=2003.10.29'
],
'7.0' => [
'SUNWmessaging-server-scha',
'7.0,REV=2008.05.19'
],
},
'CS' => {
'6.3' => [
'SUNWics5',

```

```

'6.0,REV=2003.11.14.18.12.58',
'SUNWica5',
'6.0,REV=2003.11.14.18.12.58'
]
},
'JHRT' => {
'2.0' => [
'SUNWjhrt',
'2.0,REV=2006.10.31',
'SUNWjhdev',
'2.0,REV=2006.10.04',
'SUNWjhdem',
'2.0,REV=2006.10.04',
'SUNWjhdoc',
'2.0,REV=2006.10.04'
]
},
'CE_L10N' => {
'6.2' => [
'SUNWduwc',
'6.1,REV=2004.04.23',
'SUNWeuwc',
'6.1,REV=2004.04.23',
'SUNWfuwc',
'6.1,REV=2004.04.23',
'SUNWjuwc',
'6.1,REV=2004.04.23',
'SUNWkuwc',
'6.1,REV=2004.04.23',
'SUNWcuwc',
'6.1,REV=2004.04.23',
'SUNWhuwc',
'6.1,REV=2004.04.23'
],
'6.3' => [
'SUNWuwc-l10n',
'6.1,REV=2006.12.14.03.02.41'
]
},
'DA' => {
'6.4' => [
'SUNWcomic',
'1.0,REV=2003.10.29',
'SUNWcomis',
'1.0,REV=2003.10.29'
],
'7.0' => [
'SUNWcommda',
'7.0,REV=2009.03.31'
]
}
};
===== QQQ findGetVersion =====
!!! getVersion
$VAR1 = {
'SASL' => 'none',

```



```

'IWC' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci7
=> 'none',
'MS' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci7
=>
'/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci7
=> 'none',
'ICU' => 'none',
'MS64' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci7
=>
'/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci7
=> 'none',
'CE' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci7
=> 'none',
'MYSQL' => 'none',
'PATCHUTILS' => 'none',
'MQ' => 'none',
'IMAPI' => 'none',
'CI' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci7
=> 'none',
'JISS' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci7
=> 'none',
'CS_L10N' => 'none',
'IM' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci7
=> 'none',
'RECOMMENDED' => 'none',
'IM_L10N' => 'none',
'NAB' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci7
=>
'/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci7
=> 'none',
'BZIP' => 'none',
'MYSQL_MARKER' => 'none',
'IM_SCHA' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci7
=> 'none',
'LIBCPLUSPLUS' => 'none',
'MS_SCHA' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci7
=>
'/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci7
=> 'none',
'CE_L10N' => 'none',
'DA' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci7
prod_getVers
$VAR1 = {
'SASL' => 0,
'IWC' => '3.0-1.0022',

```

```

'MS64_L10N' => 0,
'MS' => '7.2-7.02',
'DSSETUP' => '6.4-26.01',
'MQ_L10N' => 0,
'ICU' => 0,
'MS64' => '7.5-31.0',
'DAV' => '7.4-15.10',
'LDAPCSDK6' => 0,
'CE' => '6.3-13.01',
'JDK' => 0,
'MYSQL' => 0,
'PATCHUTILS' => 0,
'MQ' => 0,
'IMAPI' => 0,
'CI' => '7.6-0.10',
'LDAPCSDK6_TOOLS' => 0,
'JISS' => '1.5-22.11300',
'NSS' => 0,
'CS_L10N' => 0,
'IM' => '9.2-06.7',
'ST' => 0,
'RECOMMENDED' => 0,
'IM_L10N' => 0,
'NAB' => '8.0-0.52',
'CS_SCHA' => '6.3-1.01',
'LDAPJDK' => 0,
'BZIP' => 0,
'MYSQL_MARKER' => 0,
'IM_SCHA' => '7.3-01.02',
'MS_L10N' => 0,
'LIBCPLUSPLUS' => 0,
'MS_SCHA' => '7.0-0.03',
'CS' => '6.3-32.01',
'JHRT' => 0,
'CE_L10N' => 0,
'DA' => '7.0-9.00'
};
!!! prod_orclVers
$VAR1 = {
'SASL' => 0,
'IWC' => '3.0.0.1.0',
'MS64_L10N' => 0,
'MS' => '\\Unrecognized Parameter\\',
'DSSETUP' => '6.4.0.26.0',
'MQ_L10N' => 0,
'ICU' => 0,
'MS64' => '7.0.5.31.0',
'DAV' => '7.0.4.15.0',
'LDAPCSDK6' => 0,
'CE' => '\\Unrecognized Parameter\\',
'JDK' => 0,
'MYSQL' => 0,
'PATCHUTILS' => 0,
'MQ' => 0,
'IMAPI' => 0,
'CI' => '7.0.6.0.0',

```

```

'LDAPCSDK6_TOOLS' => 0,
'JISS' => '1.0.5.22.0',
'NSS' => 0,
'CS_L10N' => 0,
'IM' => '9.0.2.6.0',
'ST' => 0,
'RECOMMENDED' => 0,
'IM_L10N' => 0,
'NAB' => '8.0.0.0.0',
'CS_SCHA' => '\\Unrecognized Parameter\\',
'LDAPJDK' => 0,
'BZIP' => 0,
'MYSQL_MARKER' => 0,
'IM_SCHA' => '\\Unrecognized Parameter\\',
'MS_L10N' => 0,
'LIBCPLUSPLUS' => 0,
'MS_SCHA' => '\\Unrecognized Parameter\\',
'CS' => '\\Unrecognized Parameter\\',
'JHRT' => 0,
'CE_L10N' => 0,
'DA' => '7.0.0.9.0'
};
!!! prod_builddate
$VAR1 = {
'SASL' => 'none',
'IWC' => '20140630',
'MS64_L10N' => 'none',
'MS' => '20090416',
'DSSETUP' => '20140418',
'MQ_L10N' => 'none',
'ICU' => 'none',
'MS64' => '20140505',
'DAV' => '20140425',
'LDAPCSDK6' => 'none',
'CE' => '20090327',
'JDK' => 'none',
'MYSQL' => 'none',
'PATCHUTILS' => 'none',
'MQ' => 'none',
'IMAPI' => 'none',
'CI' => '20140701',
'LDAPCSDK6_TOOLS' => 'none',
'JISS' => '20140528',
'NSS' => 'none',
'CS_L10N' => 'none',
'IM' => '20140625',
'ST' => 'none',
'RECOMMENDED' => 'none',
'IM_L10N' => 'none',
'NAB' => '20140522',
'CS_SCHA' => '20080331',
'LDAPJDK' => 'none',
'BZIP' => 'none',
'MYSQL_MARKER' => 'none',
'IM_SCHA' => '20080403',
'MS_L10N' => 'none',

```

```

'LIBCPLUSPLUS' => 'none',
'MS_SCHA' => '20080519',
'CS' => '20120921',
'JHRT' => 'none',
'CE_L10N' => 'none',
'DA' => '20140106'
};
===== End QQQ findGetVersion =====
INFO: prod_mktVers{NSS} (no map) = 4.8.9
INFO: prod_mktVers{SASL} (no map) = 2.19
INFO: prod_mktVers{LDAPCSDK6} (no map) = 6.0
INFO: prod_mktVers{LDAPCSDK6_TOOLS} (no map) = 6.0
INFO: prod_mktVers{ICU} (no map) = ICU2,ICU3
INFO: prod_mktVers{JDK} (no map) = 1.6.0
INFO: prod_mktVers{JHRT} (no map) = 2.0
INFO: prod_mktVers{MQ} (no map) = 4.4
INFO: prod_mktVers{MQ_L10N} (no map) = 4.4
INFO: prod_mktVers{LDAPJDK} (no map) = 4.21
INFO: prod_mktVers{IMAPI} (w/ map) = 9u2
INFO: prod_mktVers{LIBCPLUSPLUS} (no map) = 5.9
INFO: prod_mktVers{PATCHUTILS} (no map) = Unknown
INFO: prod_mktVers{BZIP} (no map) = 11.10
INFO: prod_mktVers{RECOMMENDED} (no map) = 2013.02.19
INFO: prod_mktVers{MYSQL_MARKER} (w/ map) = 1.1
INFO: prod_mktVers{MYSQL} (w/ map) = 5.5.8
INFO: prod_mktVers{ST} (no map) = 1.1.4
INFO: prod_mktVers{CI} (w/ map) = 7u6
INFO: prod_mktVers{MS64} (w/ map) = 7u5
INFO: prod_mktVers{DSSETUP} (w/ map) = 6.4
INFO: prod_mktVers{DAV} (w/ map) = 7u4
INFO: prod_mktVers{IM} (w/ map) = 9u2
INFO: prod_mktVers{IWC} (w/ map) = 3
INFO: prod_mktVers{JISS} (w/ map) = 1u5
INFO: prod_mktVers{DA} (w/ map) = 7
INFO: prod_mktVers{MS_SCHA} (no map) = 7.0
INFO: prod_mktVers{IM_SCHA} (no map) = 7.3
Detecting Installed Products...
Checking LIBCPLUSPLUS 5.9 ...
Checking pkg SUNWlibc...pkgparam -v SUNWlibc 2>&1
CLASSES='none'
BASEDIR='/'
PATCH_INFO_119963-29='Installed: Saturday, October 5, 2013 03:05:09 PM
UTC From: host Obsoletes: Requires: Incompatibles:'
SCRIPTS_DIR='/opt/SunProd/studio12u3/solarisstudio12.3-148921-08/patches/11
Sat Nov 3 00:38:56 PDT 2012 From: host Obsoletes: Requires:
Incompatibles:'
INTERRUPTION='no'
PATCH_UNDO_ARCHIVE='none'
PATCH_BUILD_DIR='none'
PATCH_NO_UNDO='false'
PATCH_UNCONDITIONAL='false'
UPDATE='yes'
INSTDATE='Oct 05 2013 15:05'
PATCH_INFO_119963-24='Installed: Tue Aug 23 11:20:49 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCHLIST='119963-24 119963-27 119963-29'

```

```

LC_ALL=''
PKGSAB=' /var/sadm/pkg/SUNWlibC/save'
PKGINST='SUNWlibC'
SUNW_PATCHID='119963-29'
PSTAMP='ouioui20041222170548'
VERSION='5.10,REV=2004.12.22'
SUNW_PRODVERS='5.10'
VENDOR='Oracle Corporation'
SUNW_PKGVERS='1.0'
SUNW_PRODNAME='SunOS'
SUNW_PKGTYPE='usr'
PKG='SUNWlibC'
NAME='Sun Workshop Compilers Bundled libC'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun Workshop Compilers Bundled libC'
CATEGORY='system'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='UTC'
LANG='en_US.ISO8859-1'
LC_MONETARY='en_US.ISO8859-1'
LC_MESSAGES='C'
LC_COLLATE='en_US.ISO8859-1'
LC_TIME='en_US.ISO8859-1'
LC_NUMERIC='en_US.ISO8859-1'
LC_CTYPE='en_US.ISO8859-1'
-- Exit status: 0
present.
LIBCPLUSPLUS 5.9 is already present.
Checking PATCHUTILS Unknown ...
Checking pkg SUNWpkgcmds...pkgparam -v SUNWpkgcmds 2>&1
CLASSES='none'
BASEDIR='/'
LC_CTYPE=''
LC_NUMERIC=''
LC_TIME=''
LC_COLLATE=''
LC_MESSAGES=''
LC_MONETARY=''
LC_ALL=''
LANG='C'
TZ='PST8PDT'
PKG_CLIENT_OS='Solaris'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_REVISION='0'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
OAMBASE='/usr/sadm/sysadm'
PKG='SUNWpkgcmds'
NAME='SVr4 packaging commands (usr)'
ARCH='sparc'

```

```

VERSION='11.11,REV=2005.01.09.23.05'
SUNW_PRODNAME='SunOS'
SUNW_PRODVERS='5.10'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
SUNW_OBSOLETESES=''
MAXINST='1000'
CATEGORY='system'
DESC='Solaris 2.x System V Release IV Packaging Commands (usr)'
VENDOR='Oracle Corporation'
HOTLINE='Please contact your local service provider'
EMAIL=''
SUNW_REQUIRES='121133-02'
SUNW_INCOMPAT=' '
SUNW_PATCHID='119254-88'
PSTAMP='on10-adms-patch20121113171249'
PKGINST='SUNWpkgcmds'
PKGSAB=' /var/sadm/pkg/SUNWpkgcmds/save'
PATCHLIST='119317-01 119254-81 125978-08 800130-03 800214-05 119254-88'
INSTDATE='Feb 12 2013 15:55'
UPDATE='yes'
PATCH_NO_UNDO='false'
SCRIPTS_DIR='/export/lim/work/ci_tip/comms/comp/SunOS5.10_DBG.OBJ/release/
119254-81 125978-08 800130-03 800214-05 119254-88'
INTERRUPTION='no'
PATCH_UNDO_ARCHIVE='none'
PATCH_BUILD_DIR='none'
PATCH_UNCONDITIONAL='false'
ACTIVE_PATCH='119254-88'
ACTIVE_OBSOLETESES='119015-03'
PATCH_INFO_119317-01='Installed: Tue Aug 23 11:16:31 PDT 2011 From:
host3 Obsolete: Requires: Incompatibles:'
PATCH_INFO_119254-81='Installed: Tue Aug 23 11:37:32 PDT 2011 From:
host3 Obsolete: 119015-03 Requires: 121133-02 Incompatibles:'
PATCH_INFO_125978-08='Installed: Tue Aug 23 12:52:12 PDT 2011 From:
host3 Obsolete: Requires: Incompatibles:'
PATCH_INFO_800130-03='Installed: Tue Aug 23 13:44:26 PDT 2011 From:
host3 Obsolete: Requires: Incompatibles:'
PATCH_INFO_800214-05='Installed: Tue Aug 23 14:58:34 PDT 2011 From:
host3 Obsolete: Requires: Incompatibles:'
PATCH_INFO_119254-88='Installed: Tue Feb 12 15:55:02 PST 2013 From: host
Obsolete: 119015-03 Requires: 121133-02 Incompatibles:'
-- Exit status: 0
present.
Checking pkg SUNWswmt...pkgparam -v SUNWswmt 2>&1
CLASSES='none'
BASEDIR='/'
PATCH_INFO_119254-88='Installed: Tue Feb 12 15:55:10 PST 2013 From: host
Obsolete: 119015-03 Requires: 121133-02 Incompatibles:'
PATCH_INFO_800214-05='Installed: Tue Aug 23 14:58:40 PDT 2011 From:
host3 Obsolete: Requires: Incompatibles:'
PATCH_INFO_800130-03='Installed: Tue Aug 23 13:44:33 PDT 2011 From:
host3 Obsolete: Requires: Incompatibles:'
PATCH_INFO_125978-08='Installed: Tue Aug 23 12:52:13 PDT 2011 From:
host3 Obsolete: Requires: Incompatibles:'
PATCH_INFO_120746-01='Installed: Tue Aug 23 12:35:58 PDT 2011 From:

```

```

host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_119254-81='Installed: Tue Aug 23 11:37:32 PDT 2011 From:
host3 Obsoletes: 119015-03 Requires: 121133-02 Incompatibles:'
ACTIVE_OBSOLETES='119015-03'
ACTIVE_PATCH='119254-88'
INTERRUPTION='no'
PATCH_UNDO_ARCHIVE='none'
PATCH_BUILD_DIR='none'
PATCH_UNCONDITIONAL='false'
OLDLIST='119254-81 120746-01 125978-08 800130-03 800214-05 119254-88'
SCRIPTS_DIR='/export/lim/work/ci_tip/comms/comp/SunOS5.10_DBG.OBJ/release/s
12 2013 15:55'
PATCHLIST='119254-81 120746-01 125978-08 800130-03 800214-05 119254-88'
PKGSAB=' /var/sadm/pkg/SUNWswmt/save'
PKGINST='SUNWswmt'
PSTAMP='on10-adms-patch20121113171250'
SUNW_PATCHID='119254-88'
SUNW_INCOMPAT=''
SUNW_REQUIRES='121133-02'
EMAIL=''
HOTLINE='Please contact your local service provider'
VENDOR='Oracle Corporation'
DESC='Solaris 2.x Install and Patch Utilities'
CATEGORY='system'
MAXINST='1000'
SUNW_OBSOLETES=''
SUNW_PKGTYPE='usr'
SUNW_PKGVERS='1.0'
SUNW_PRODVERS='5.10'
SUNW_PRODNAME='SunOS'
VERSION='11.10, REV=2005.01.10.17.19'
ARCH='sparc'
NAME='Install and Patch Utilities'
PKG='SUNWswmt'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWinstall-patch-utils-root...pkgparam -v
SUNWinstall-patch-utils-root 2>&1
CLASSES='none rbac manifest preserve'
BASEDIR='/'
LC_CTYPE=''
LC_NUMERIC=''

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LC_TIME=' '
LC_COLLATE=' '
LC_MESSAGES=' '
LC_MONETARY=' '
LC_ALL=' '
LANG='C'
TZ='PST8PDT'
PKG_CLIENT_OS='Solaris'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_REVISION='0'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
OAMBASE='/usr/sadm/sysadm'
PKG='SUNWinstall-patch-utils-root'
NAME='Install and Patch Utilities (root)'
ARCH='sparc'
VERSION='11.10, REV=2005.01.09.23.05'
SUNW_PRODNAME='SunOS'
SUNW_PRODVERS='5.10'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='root'
SUNW_OBSOLETE=' '
MAXINST='1000'
CATEGORY='system'
DESC='Install and Patch Utilities (root)'
VENDOR='Oracle Corporation'
HOTLINE='Please contact your local service provider'
EMAIL=' '
SUNW_REQUIRES='121133-02'
SUNW_INCOMPAT=' '
SUNW_PATCHID='119254-88'
PSTAMP='on10-adms-patch20121113171247'
PKGINST='SUNWinstall-patch-utils-root'
PKGSAB=' /var/sadm/pkg/SUNWinstall-patch-utils-root/save'
PATCH_UNCONDITIONAL='false'
PATCH_BUILD_DIR='none'
PATCH_UNDO_ARCHIVE='none'
INTERRUPTION='no'
OLDLIST='119254-81 125978-08 800128-01 800130-03 800214-05 119254-88'
ACTIVE_PATCH='119254-88'
ACTIVE_OBSOLETE='119015-03'
PATCHLIST='119254-81 125978-08 800128-01 800130-03 800214-05 119254-88'
INSTDATE='Feb 12 2013 15:55'
UPDATE='yes'
PATCH_NO_UNDO='false'
SCRIPTS_DIR='/export/lim/work/ci_tip/comms/comp/SunOS5.10_DBG.OBJ/release/S
Tue Aug 23 11:37:31 PDT 2011 From: host3 Obsoletes: 119015-03 Requires:
121133-02 Incompatibles:'
PATCH_INFO_125978-08='Installed: Tue Aug 23 12:52:11 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800128-01='Installed: Tue Aug 23 13:43:44 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800130-03='Installed: Tue Aug 23 13:43:56 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800214-05='Installed: Tue Aug 23 14:58:17 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_119254-88='Installed: Tue Feb 12 15:55:00 PST 2013 From: host

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Obsoletes: 119015-03 Requires: 121133-02 Incompatibles: '
-- Exit status: 0
present.
Checking pkg SUNWcsr...pkgparam -v SUNWcsr 2>&1
CLASSES='none initd renamenew preserve cronroot passwd tiservices
inetdconf definit etcremote nsswitch netconfig deflogin defsu syslogconf
ttypsrch group inittab etcrcp etcprofile mailxrc shadow voldconf rmmconf
locallogin localprofile logadmconf nsd fstypes pamconf services rbac
renameold dhcpinittab policyconf pkcs11confbase defpasswd vfstab
manifest ttydefs dhcpagent hosts ipsecalgbase sock2path defkbd'
BASEDIR='/'
LANG=''
TZ='UTC'
PKG_CLIENT_OS='Solaris'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_REVISION='0'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
OAMBASE='/usr/sadm/sysadm'
PKG='SUNWcsr'
NAME='Core Solaris, (Root)'
ARCH='sparc'
VERSION='11.10.0,REV=2005.01.21.15.53'
SUNW_PRODNAME='SunOS'
SUNW_PRODVERS='5.10/Generic'
SUNW_PKGTYPE='root'
SUNW_OBSOLETES=''
MAXINST='1000'
CATEGORY='system'
DESC='core software for a specific instruction-set architecture'
VENDOR='Oracle Corporation'
HOTLINE='Please contact your local service provider'
EMAIL=''
SUNW_PKGVERS='1.0'
SUNW_PKG_ALLZONES='true'
SUNW_PKG_HOLLOW='false'
SUNW_REQUIRES='118833-36 120011-14 121133-02 125555-10 127127-11
137137-09 139555-08 141444-09 142909-17 142933-04 144500-19'
SUNW_INCOMPAT=''
SUNW_PATCHID='147440-12'
PSTAMP='on10-patch20120207154903'
PKGINST='SUNWcsr'
PKGSAB='/var/sadm/pkg/SUNWcsr/save'
PKG_NO_UNIFIED='TRUE'
PATCHLIST='118918-24 120900-04 121133-02 124188-03 125547-02 125891-01
126897-02 137093-01 137097-01 137274-01 140796-01 140860-02 141016-01
141032-01 141496-01 142251-02 142292-01 142911-01 144526-01 144647-01
145959-01 146292-01 146673-01 147186-01 121453-02 138217-01 138866-03
118833-36 121561-04 122640-05 123912-02 125503-02 127755-01 138766-01
139962-02 145120-01 120011-14 127127-11 128402-02 137115-01 137137-09
138181-01 139555-08 141444-09 141900-01 142909-17 143513-02 143609-03
143954-04 144039-02 144500-19 144909-02 145019-01 146476-01 119079-13
121061-01 121778-12 121780-12 123259-12 125095-15 125888-01 138287-07
138289-07 800111-04 800113-04 800120-08 800122-08 800151-15 800153-15
800200-15 800202-16 144526-02 147440-12'
PATCH_INFO_118918-24='Installed: Tue Aug 23 11:14:25 PDT 2011 From:
host3 Obsoletes: 116781-02 119012-03 121282-02 121284-02 121292-01

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121473-01 121476-01 121478-01 121786-01 123444-01 Requires:
Incompatibles:'
PATCH_INFO_120900-04='Installed: Tue Aug 23 11:22:23 PDT 2011 From:
host3 Obsoletes: 121266-01 Requires: Incompatibles:'
PATCH_INFO_121133-02='Installed: Tue Aug 23 11:22:28 PDT 2011 From:
host3 Obsoletes: 121333-03 Requires: 120900-04 Incompatibles:'
PATCH_INFO_124188-03='Installed: Tue Aug 23 11:27:58 PDT 2011 From:
host3 Obsoletes: 123881-01 Requires: Incompatibles:'
PATCH_INFO_125547-02='Installed: Tue Aug 23 11:28:56 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_125891-01='Installed: Tue Aug 23 11:29:15 PDT 2011 From:
host3 Obsoletes: 121265-03 125476-02 Requires: Incompatibles:'
PATCH_INFO_126897-02='Installed: Tue Aug 23 11:29:49 PDT 2011 From:
host3 Obsoletes: 123426-05 123839-07 Requires: 119578-30 Incompatibles:'
PATCH_INFO_137093-01='Installed: Tue Aug 23 11:30:19 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_137097-01='Installed: Tue Aug 23 11:30:20 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_137274-01='Installed: Tue Aug 23 11:30:28 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_140796-01='Installed: Tue Aug 23 11:34:11 PDT 2011 From:
host3 Obsoletes: 126419-02 Requires: Incompatibles:'
PATCH_INFO_140860-02='Installed: Tue Aug 23 11:34:13 PDT 2011 From:
host3 Obsoletes: 119267-01 119574-02 Requires: Incompatibles:'
PATCH_INFO_141016-01='Installed: Tue Aug 23 11:34:14 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_141032-01='Installed: Tue Aug 23 11:34:15 PDT 2011 From:
host3 Obsoletes: 141717-01 Requires: Incompatibles:'
PATCH_INFO_141496-01='Installed: Tue Aug 23 11:34:18 PDT 2011 From:
host3 Obsoletes: 141726-01 Requires: Incompatibles:'
PATCH_INFO_142251-02='Installed: Tue Aug 23 11:34:24 PDT 2011 From:
host3 Obsoletes: 121004-04 138253-02 139969-02 Requires: Incompatibles:'
PATCH_INFO_142292-01='Installed: Tue Aug 23 11:34:24 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_142911-01='Installed: Tue Aug 23 11:34:28 PDT 2011 From:
host3 Obsoletes: 143055-01 Requires: Incompatibles:'
PATCH_INFO_144526-01='Installed: Tue Aug 23 11:35:13 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_144647-01='Installed: Tue Aug 23 11:35:15 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_145959-01='Installed: Tue Aug 23 11:36:49 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_146292-01='Installed: Tue Aug 23 11:37:09 PDT 2011 From:
host3 Obsoletes: 126314-01 126649-02 138854-01 Requires: Incompatibles:'
PATCH_INFO_146673-01='Installed: Tue Aug 23 11:37:13 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_147186-01='Installed: Tue Aug 23 11:37:25 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_121453-02='Installed: Tue Aug 23 11:38:18 PDT 2011 From:
host3 Obsoletes: 120776-03 121086-02 119107-07 Requires: 119574-02
119254-06 Incompatibles:'
PATCH_INFO_138217-01='Installed: Tue Aug 23 11:38:52 PDT 2011 From:
host3 Obsoletes: 119042-11 Requires: 119254-51 Incompatibles:'
PATCH_INFO_138866-03='Installed: Tue Aug 23 11:39:08 PDT 2011 From:
host3 Obsoletes: Requires: 125555-01 126419-02 Incompatibles:'
PATCH_INFO_118833-36='Installed: Tue Aug 23 11:41:57 PDT 2011 From:

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host3 Obsoletes: 118822-30 118348-01 118868-01 120996-02 121298-01
 119712-04 119852-03 119943-01 119984-03 120052-03 120196-02 121000-05
 117170-01 117461-08 118370-04 118375-07 118852-07 118874-02 118911-01
 118913-02 118927-02 118996-04 119216-02 119218-02 119374-13 119444-03
 119557-09 119568-02 119569-02 119572-01 119596-03 119681-08 119687-02
 119689-08 119715-10 119828-05 119939-01 119941-03 119992-02 119994-01
 119996-01 120009-01 120030-03 120034-01 120054-02 120083-01 120251-02
 120254-03 120258-02 120300-01 120362-02 120627-01 121237-01 121266-01
 121268-01 121276-03 121280-01 121301-02 121777-01 121784-01 121788-02
 121790-01 121792-01 121794-02 121796-01 121798-01 121800-01 121802-01
 121804-01 121806-01 121808-01 121810-01 121812-01 121814-01 121816-01
 121818-01 121820-01 121822-01 121824-01 121826-01 121832-01 121834-01
 121836-01 121838-01 121840-01 121842-01 121844-01 121846-01 121848-01
 121850-01 121852-01 121854-01 121894-01 122079-01 122081-01 122176-01
 122235-01 122237-02 122241-01 122242-01 122243-01 122294-01 122296-01
 122298-01 122302-01 122304-01 122306-01 122314-01 122316-01 122318-01
 122320-01 122322-01 122324-01 122334-01 122336-01 122338-01 122339-01
 122342-01 122344-01 122346-01 122348-01 122350-01 122644-01 120661-04
 121694-01 118346-05 118812-03 118857-01 118920-02 119562-01 119571-01
 119587-01 120467-05 121782-01 123950-02 118915-01 119560-02 119561-03
 119333-01 119582-04 122333-01 122364-01 122366-01 122368-01 122370-01
 122372-01 122374-01 122378-01 122380-01 122382-01 122384-01 122386-01
 122392-01 119850-22 119982-05 120036-07 120253-03 120664-01 120844-01
 121236-02 121693-03 122027-08 122215-01 122253-01 122388-01 122406-01
 122523-03 122539-06 122650-02 122750-01 123302-01 123320-01 123352-05
 123524-01 122394-01 122519-01 122652-04 123336-01 120198-05 121302-01
 122195-03 122648-02 122856-03 123066-01 123304-02 123442-02 123522-01
 123914-02 123952-01 124282-01 118548-01 118550-04 119719-01 119205-03
 119207-02 119564-01 119215-02 119334-02 119566-01 119831-01 119682-02
 118859-01 118992-03 119858-02 120197-01 118850-03 119589-03 118551-03
 118835-04 118846-02 118923-04 119075-14 119577-01 119683-02 119832-02
 119945-02 119951-01 119949-02 119983-01 119990-01 120017-02 120302-01
 120304-05 119947-02 120066-01 118553-04 119591-03 119979-01 120537-05
 120013-02 120471-02 124206-02 118870-02 123348-04 122410-01 Requires:
 118918-13 119254-14 119042-09 119578-30 Incompatibles:'
 PATCH_INFO_121561-04='Installed: Tue Aug 23 11:44:44 PDT 2011 From:
 host3 Obsoletes: Requires: 119042-02 Incompatibles:'
 PATCH_INFO_122640-05='Installed: Tue Aug 23 11:44:46 PDT 2011 From:
 host3 Obsoletes: Requires: 118833-12 Incompatibles:'
 PATCH_INFO_123912-02='Installed: Tue Aug 23 11:45:04 PDT 2011 From:
 host3 Obsoletes: 123424-02 Requires: 118833-25 Incompatibles:'
 PATCH_INFO_125503-02='Installed: Tue Aug 23 11:45:22 PDT 2011 From:
 host3 Obsoletes: Requires: 118833-36 118918-24 119042-09 119374-06
 119574-02 119578-30 119689-04 120272-03 120900-04 121133-02 121901-01
 122640-05 123839-01 Incompatibles:'
 PATCH_INFO_127755-01='Installed: Tue Aug 23 11:45:30 PDT 2011 From:
 host3 Obsoletes: 125800-02 125369-13 Requires: 118833-36 119578-30
 123839-07 126897-02 Incompatibles:'
 PATCH_INFO_138766-01='Installed: Tue Aug 23 11:45:47 PDT 2011 From:
 host3 Obsoletes: 139926-01 Requires: 119042-09 121901-01 Incompatibles:'
 PATCH_INFO_139962-02='Installed: Tue Aug 23 11:45:51 PDT 2011 From:
 host3 Obsoletes: 137117-01 138267-03 Requires: 118833-36 119254-51
 Incompatibles:'
 PATCH_INFO_145120-01='Installed: Tue Aug 23 11:46:01 PDT 2011 From:
 host3 Obsoletes: 145100-01 Requires: 118833-36 119042-09 121901-01
 Incompatibles:'

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PATCH_INFO_120011-14='Installed: Tue Aug 23 11:48:18 PDT 2011 From:
host3 Obsoletes: 116781-02 117447-01 117463-05 118371-10 118373-01
118564-03 118731-01 118879-02 118890-03 118925-05 118929-05 119012-03
119073-03 119077-10 119265-02 119332-01 119336-01 119573-02 119580-05
119586-02 119593-01 119685-11 119824-02 119826-02 119981-09 119985-02
119998-02 120023-01 120032-04 120048-03 120050-06 120469-07 120473-12
120629-08 120780-04 120809-01 120824-09 120845-05 120990-02 120998-02
121006-02 121010-06 121215-01 121229-02 121235-01 121278-01 121282-02
121284-02 121288-03 121292-01 121294-01 121406-01 121473-01 121474-01
121476-01 121478-01 121786-01 121905-01 122251-01 122328-01 122404-01
122412-01 122513-02 122535-01 122637-01 122646-02 122658-04 122660-10
122662-05 122752-04 123017-01 123249-02 123256-02 123324-03 123330-01
123350-01 123354-03 123356-02 123362-01 123418-02 123420-02 123422-03
123441-05 123444-01 123910-03 123911-01 123916-05 123954-01 124204-04
124208-01 124250-03 124254-04 124258-07 124280-01 124286-01 124327-04
124442-01 124916-03 124918-02 124921-02 124922-03 124987-02 124990-01
124993-01 124995-01 125009-01 125011-01 125014-03 125018-02 125020-01
125024-01 125026-01 125028-03 125035-01 125040-01 125042-02 125073-01
125077-03 125079-01 125100-10 125112-01 125114-01 125116-02 125118-01
125120-03 125123-01 125127-01 125129-01 125198-02 125203-01 125329-03
125363-06 125371-01 125383-01 125385-02 125420-01 125422-01 125424-01
125427-01 125430-01 125432-01 125465-02 125478-01 125486-01 125488-02
125492-01 125494-02 125497-01 125792-01 125795-01 126255-01 126303-02
126310-01 126320-01 126429-01 126536-01 126663-01 126838-01 Requires:
118833-36 118918-24 119042-09 119254-42 119574-02 119578-30 120272-12
120900-04 121133-02 121901-01 122640-05 125369-05 125503-02 125547-01
126419-01 126897-02 Incompatibles:'
PATCH_INFO_127127-11='Installed: Tue Aug 23 11:49:37 PDT 2011 From:
host3 Obsoletes: 118557-09 118560-02 118562-14 118843-01 120046-01
120068-03 120737-01 121132-03 121233-01 121239-02 121290-03 121721-01
121944-03 122363-02 122537-02 123360-01 123398-02 123564-01 123712-01
123836-01 123915-01 124235-03 124252-03 124256-06 125016-02 125037-06
125043-01 125081-16 125122-01 125131-01 125169-01 125196-05 125202-01
125251-02 125253-01 125367-03 125380-02 125382-01 125418-01 125482-03
125484-04 125490-02 125501-01 125553-03 125890-03 125899-01 125917-03
126135-01 126143-01 126144-02 126322-01 126423-03 126432-01 126434-06
126448-05 126450-01 126647-02 126664-01 126665-01 126666-01 126668-01
126670-01 126672-02 126916-01 127111-11 127716-01 127718-05 127728-06
127730-04 127732-01 127741-01 127745-01 127747-01 127749-03 127750-01
127753-02 127757-01 127761-01 127855-02 127858-01 127862-01 127874-01
127880-02 127918-02 127966-01 127982-01 127984-02 127990-02 127992-01
128002-01 128028-03 128030-03 128314-01 128404-01 128500-01 136718-01
136887-01 137044-01 137082-01 137113-01 Requires: 118731-01 118833-36
118918-24 119042-09 119254-51 119578-30 120011-14 120900-04 121133-02
121901-01 125891-01 126540-02 126897-02 127755-01 Incompatibles:'
PATCH_INFO_128402-02='Installed: Tue Aug 23 11:50:08 PDT 2011 From:
host3 Obsoletes: Requires: 120011-14 Incompatibles:'
PATCH_INFO_137115-01='Installed: Tue Aug 23 11:50:15 PDT 2011 From:
host3 Obsoletes: Requires: 120011-14 119254-51 Incompatibles:'
PATCH_INFO_137137-09='Installed: Tue Aug 23 11:50:31 PDT 2011 From:
host3 Obsoletes: 120741-01 120986-12 120992-02 121008-02 121274-01
121414-01 122029-01 122083-02 122172-06 122174-03 122356-01 122358-01
122517-04 122525-03 123186-03 123809-02 123932-02 124999-01 125416-06
126133-04 126145-01 126304-01 126653-01 126661-02 126674-01 127714-03
127735-02 127739-03 127866-05 127868-01 127886-06 127888-11 127892-06
127914-01 127959-02 127968-01 127970-01 128294-02 128400-05 128408-01

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128410-01 128413-01 128493-01 128548-08 136885-04 137042-01 137045-01
137050-01 137086-01 137091-01 137099-01 137109-01 137111-08 137119-01
137127-01 137135-01 137139-01 137280-02 137287-01 138042-05 138048-05
138050-01 138051-01 138052-01 138054-01 138056-02 138060-04 138064-03
138066-01 138068-01 138070-03 138072-02 138074-01 138075-02 138108-01
138125-01 138127-01 138225-02 138229-02 138233-01 138237-01 138243-02
138249-01 138251-01 138257-01 138259-01 138265-01 138271-04 138273-01
138277-01 138279-01 138280-01 138284-04 138305-01 138306-01 138308-02
138310-01 138312-01 138314-01 138315-01 138316-01 138363-01 138365-01
138379-01 138390-02 138394-01 138401-01 138899-01 Requires: 118731-01
118822-24 118833-36 118918-24 119254-58 119374-09 119578-30 120011-14
120900-04 121133-02 125503-02 126897-02 127127-11 127755-01 138866-01
Incompatibles:'
PATCH_INFO_138181-01='Installed: Tue Aug 23 11:50:58 PDT 2011 From:
host3 Obsoletes: 138159-01 Requires: 120011-14 125503-02 Incompatibles:'
PATCH_INFO_139555-08='Installed: Tue Aug 23 11:51:17 PDT 2011 From:
host3 Obsoletes: 120062-01 121130-01 125551-02 126264-01 127743-02
127853-02 128253-01 128296-01 128318-01 128322-01 128340-01 128406-01
137095-01 137106-01 137278-01 138058-01 138106-02 138114-01 138231-01
138241-05 138397-01 138639-01 138850-01 138864-01 138878-01 138888-08
139385-02 139458-01 139459-01 139466-04 139483-05 139489-03 139492-01
139494-01 139498-04 139500-04 139502-03 139506-01 139551-01 139558-03
139560-02 139562-02 139566-01 139570-05 139571-01 139572-02 139574-03
139579-04 139931-01 139936-01 139938-01 139939-01 139942-01 139947-01
139951-01 139952-01 139960-02 139965-01 139994-01 140000-04 140076-02
140077-01 140142-01 140173-01 140194-04 140196-01 140197-01 140334-01
140389-01 140402-01 140411-01 140677-01 140679-01 140774-03 140776-01
140794-01 140855-01 141006-01 141008-01 Requires: 125555-02 118731-01
118833-36 118918-24 119042-09 119254-41 119578-30 120011-14 120900-04
121133-02 126897-02 127127-11 127755-01 137137-09 138217-01 140796-01
140899-01 141016-01 Incompatibles:'
PATCH_INFO_141444-09='Installed: Tue Aug 23 11:52:07 PDT 2011 From:
host3 Obsoletes: 119143-02 120807-01 122754-01 123402-01 124924-01
125915-01 126266-01 126421-02 128004-01 128304-04 128306-05 128328-01
128334-01 128491-01 137021-03 137121-06 137129-06 137141-01 137289-02
137292-01 138044-02 138083-01 138104-01 138130-01 138174-04 138255-03
138269-02 138392-01 138625-02 138629-01 139386-02 139462-02 139464-01
139490-01 139881-01 139928-03 139956-01 139964-03 139973-01 139974-03
139977-07 139982-04 139985-02 139991-03 139993-03 139996-02 140150-01
140338-01 140408-01 140589-02 140916-02 140919-04 141028-01 141057-01
141414-10 141494-01 141510-03 141520-01 141524-03 141530-01 141538-01
141540-01 141546-01 141554-01 141556-01 141560-02 141690-02 141692-01
141694-02 141715-03 141721-03 141729-01 141731-01 141733-04 141736-05
141742-04 141743-04 141767-01 141770-01 141771-01 141775-01 141777-01
141781-02 141892-01 141894-01 141902-02 141908-01 141918-01 141920-03
141934-01 142004-01 142013-01 142051-01 142056-02 142246-01 142284-01
142479-01 142483-01 142489-01 Requires: 118833-36 118918-24 119042-09
119254-41 119578-30 120011-14 120900-04 121133-02 121901-01 121921-02
125503-02 126540-02 126897-02 127127-11 127755-01 137137-09 139555-08
142292-01 Incompatibles:'
PATCH_INFO_141900-01='Installed: Tue Aug 23 11:52:47 PDT 2011 From:
host3 Obsoletes: Requires: 118833-36 127127-11 137137-09 139555-08
Incompatibles:'
PATCH_INFO_142909-17='Installed: Tue Aug 23 11:53:40 PDT 2011 From:
host3 Obsoletes: 118814-01 120038-01 120816-01 121128-01 121394-03
122085-01 123194-01 123271-01 123332-02 123334-05 125022-01 125108-02

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125174-02 125200-01 125201-01 125808-01 125896-03 126308-01 126428-01
127723-01 127759-03 127762-01 127882-03 128032-01 128324-02 128346-01
136891-02 137017-03 137028-01 137123-03 137133-01 137291-01 138046-02
138081-01 138098-01 138112-01 138116-01 138118-01 138120-01 138157-01
138169-01 138223-03 138263-03 138283-05 138318-03 138324-03 138375-01
138381-01 138411-01 138627-07 138644-01 138764-02 138848-02 138858-01
138870-01 138872-02 138874-05 139390-01 139468-01 139487-01 139503-01
139504-01 139508-01 139509-02 139514-01 139553-01 139568-01 139935-01
139941-01 139943-01 139945-03 139946-01 139948-01 139949-01 139958-01
139970-01 139971-01 139975-03 139983-04 140003-03 140078-01 140144-01
140146-01 140151-02 140157-03 140165-01 140167-01 140169-01 140175-01
140192-01 140386-04 140391-03 140395-01 140397-11 140401-01 140413-01
140557-01 140559-01 140562-02 140681-02 140788-01 140917-02 141012-01
141022-02 141026-14 141030-10 141034-02 141054-01 141536-01 141542-01
141544-01 141550-02 141562-02 141723-02 141740-01 141773-01 141780-01
141899-03 141906-01 141914-02 141922-02 142005-01 142055-03 142236-02
142242-05 142245-02 142247-01 142249-01 142257-05 142259-07 142263-01
142290-01 142330-01 142346-02 142390-03 142436-08 142481-01 142528-01
142539-01 142541-01 142675-01 142900-15 143051-01 143052-02 143054-01
143117-01 143119-02 143120-03 143122-02 143125-02 143128-05 143131-08
143135-03 143137-04 143350-05 143352-01 143354-03 143356-01 143357-05
143359-02 143360-01 143515-01 143519-01 143521-02 143523-04 143528-01
143556-04 143558-01 143565-01 143569-04 143574-01 143576-03 143583-02
143585-01 143586-02 143590-01 143595-01 143597-02 143603-01 143605-01
143607-01 143611-01 143613-01 143623-01 143895-01 143897-03 143899-01
143903-01 143905-01 143907-01 143909-06 143911-01 143920-02 143927-02
143933-01 143935-01 143943-01 144015-01 144017-01 144019-01 144021-01
144023-01 144043-01 144045-02 144049-01 144051-03 144056-01 144110-01
144182-01 144258-01 144369-01 144373-01 144389-01 144453-01 144494-01
144511-01 144624-01 144761-01 145024-01 145049-01 145051-01 145102-01
145103-01 Requires: 118731-01 118833-36 118918-24 119042-09 119578-30
120011-14 120900-04 121133-02 121901-01 126540-02 126897-02 127127-11
127755-01 137137-09 139555-08 141444-09 142911-01 142933-02
Incompatibles:'
PATCH_INFO_143513-02='Installed: Tue Aug 23 11:54:39 PDT 2011 From:
host3 Obsoletes: Requires: 118833-36 120011-14 125503-02 141444-09
Incompatibles:'
PATCH_INFO_143609-03='Installed: Tue Aug 23 11:54:46 PDT 2011 From:
host3 Obsoletes: 144196-02 Requires: 118833-36 120011-14 139555-08
Incompatibles:'
PATCH_INFO_143954-04='Installed: Tue Aug 23 11:54:59 PDT 2011 From:
host3 Obsoletes: 142053-03 142485-01 142487-01 142535-03 Requires:
127127-11 139555-08 Incompatibles:'
PATCH_INFO_144039-02='Installed: Tue Aug 23 11:55:05 PDT 2011 From:
host3 Obsoletes: 140961-03 140964-02 Requires: 119042-09 120011-14
121901-01 123406-02 126419-02 139555-08 140796-01 141444-09 142909-17
Incompatibles:'
PATCH_INFO_144500-19='Installed: Tue Aug 23 11:55:30 PDT 2011 From:
host3 Obsoletes: 118735-02 118842-01 120044-01 120061-02 120085-02
120994-01 121559-01 122183-03 122408-01 123319-01 123908-02 124237-01
125167-01 125171-02 125414-01 125549-01 126258-03 126260-02 126319-01
126655-02 126896-01 127737-02 127998-01 128000-01 128326-01 136889-01
136892-01 138079-01 138085-01 138087-01 138089-01 138128-01 138239-01
138261-03 138291-01 138293-01 138320-02 138371-06 138373-02 138377-01
138383-01 138387-01 138634-01 138880-02 139478-01 139485-02 139959-04
140074-09 140161-01 140163-01 140190-01 140387-02 140399-03 140683-01

140784-01 140921-02 141010-01 141020-03 141024-01 141052-02 141500-08
141502-02 141506-10 141508-02 141534-01 141686-01 141738-01 142046-04
142238-02 142342-01 142542-01 143140-04 143559-10 143561-10 143571-02
143575-01 143592-09 144053-05 144055-01 144184-02 144254-01 144256-01
144302-01 144311-03 144313-01 144315-01 144367-02 144382-01 144384-02
144459-01 144488-17 144490-01 144508-02 144521-01 144530-01 144532-01
144536-02 144542-06 144548-01 144550-01 144552-01 144554-01 144561-02
144563-02 144565-05 144567-02 144571-02 144573-01 144574-06 144748-02
144754-01 144759-02 144874-01 144903-02 145021-01 145042-03 145046-01
145047-01 145107-02 145124-02 145788-03 145792-01 145794-01 145796-02
145798-08 145868-05 145870-01 145885-01 145887-01 145889-03 145893-02
145895-05 145897-01 145901-01 145907-02 145913-01 145915-01 145927-02
145933-02 145939-01 145941-02 145944-01 145961-02 145963-01 146017-04
146018-03 146019-02 146021-02 146023-01 146028-05 146030-01 146058-02
146062-02 146064-01 146066-02 146069-04 146070-01 146073-01 146132-01
146230-01 146277-01 146287-01 146327-01 146328-02 146336-03 146440-01
146442-01 146443-01 146447-02 146449-01 146478-01 146482-01 146484-01
146570-02 146584-01 146677-01 146701-01 146778-02 146802-03 146804-01
146842-01 146846-01 146855-01 146857-01 147053-01 147182-01 Requires:
118833-36 118918-24 119042-09 119254-41 119578-30 120011-14 121901-01
125891-01 126897-02 127127-11 127755-01 137137-09 139555-08 141444-09
142909-17 142933-03 144526-01 147061-01 Incompatibles:'
PATCH_INFO_144909-02='Installed: Tue Aug 23 11:56:33 PDT 2011 From:
host3 Obsoletes: 144746-01 Requires: 118833-36 120011-14 137137-09
142909-17 Incompatibles:'
PATCH_INFO_145019-01='Installed: Tue Aug 23 11:56:39 PDT 2011 From:
host3 Obsoletes: Requires: 118833-36 120011-14 139555-08 141444-09
Incompatibles:'
PATCH_INFO_146476-01='Installed: Tue Aug 23 11:58:04 PDT 2011 From:
host3 Obsoletes: 144544-01 Requires: 120011-14 139555-08 142909-17
Incompatibles:'
PATCH_INFO_119079-13='Installed: Tue Aug 23 12:35:13 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_121061-01='Installed: Tue Aug 23 12:36:04 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_121778-12='Installed: Tue Aug 23 12:36:18 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_121780-12='Installed: Tue Aug 23 12:36:27 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_123259-12='Installed: Tue Aug 23 12:36:47 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_125095-15='Installed: Tue Aug 23 12:40:06 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_125888-01='Installed: Tue Aug 23 12:52:06 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_138287-07='Installed: Tue Aug 23 12:55:26 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_138289-07='Installed: Tue Aug 23 13:07:30 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800111-04='Installed: Tue Aug 23 13:11:38 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800113-04='Installed: Tue Aug 23 13:25:04 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800120-08='Installed: Tue Aug 23 13:28:17 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800122-08='Installed: Tue Aug 23 13:43:20 PDT 2011 From:

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host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800151-15='Installed: Tue Aug 23 13:47:24 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800153-15='Installed: Tue Aug 23 14:02:40 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800200-15='Installed: Tue Aug 23 14:41:55 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800202-16='Installed: Tue Aug 23 14:57:45 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
MODIFIED_AFTER_INSTALLED=''
INSTDATE='Jun 13 2012 04:25'
UPDATE='yes'
PATCH_UNCONDITIONAL='false'
PATCH_NO_UNDO='true'
PATCH_BUILD_DIR='none'
PATCH_UNDO_ARCHIVE='none'
INTERRUPTION='no'
PATCH_INFO_144526-02='Installed: Wed Jun 13 04:19:24 UTC 2012 From: host
Obsoletes: Requires: 125555-11 Incompatibles:'
SCRIPTS_DIR='/tmp/patch_sol_set/10_Recommended/11282011/patches/147440-12/9
125902-02 137276-01 140383-01 140563-03 141590-02 141765-01 143941-02
144534-02 146279-01 146281-01 146283-01 146294-03 146320-03 146322-01
146575-03 146767-02 147012-02 147157-02 147258-01 147268-01 147436-01
147699-01 147701-01 147713-01 147770-01 148229-01'
PATCH_INFO_147440-12='Installed: Wed Jun 13 04:25:06 UTC 2012 From: host
Obsoletes: 125804-01 125902-02 137276-01 140383-01 140563-03 141590-02
141765-01 143941-02 144534-02 146279-01 146281-01 146283-01 146294-03
146320-03 146322-01 146575-03 146767-02 147012-02 147157-02 147258-01
147268-01 147436-01 147699-01 147701-01 147713-01 147770-01 148229-01
Requires: 118833-36 120011-14 121133-02 125555-10 127127-11 137137-09
139555-08 141444-09 142909-17 142933-04 144500-19 Incompatibles:'
-- Exit status: 0
present.
Checking pkg SUNWdtrc...pkgparam -v SUNWdtrc 2>&1
CLASSES='none'
BASEDIR='/'
LANG=''
TZ='UTC'
PKG_CLIENT_OS='Solaris'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_REVISION='0'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
OAMBASE='/usr/sadm/sysadm'
PKG='SUNWdtrc'
NAME='DTrace Clients'
ARCH='sparc'
VERSION='11.10.0, REV=2005.01.21.15.53'
SUNW_PRODNAME='SunOS'
SUNW_PRODVERS='5.10/Generic'
SUNW_PKGTYPE='usr'
SUNW_OBSOLETE=' '
MAXINST='1000'
CATEGORY='system'
DESC='Dynamic Tracing (DTrace) Clients'
VENDOR='Oracle Corporation'
HOTLINE='Please contact your local service provider'

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EMAIL=''
SUNW_PKGVERS='1.0'
SUNW_PKG_ALLZONES='true'
SUNW_PKG_HOLLOW='false'
SUNW_REQUIRES='118833-36 120011-14 121133-02 125555-10 127127-11
137137-09 139555-08 141444-09 142909-17 142933-04 144500-19'
SUNW_INCOMPAT=''
SUNW_PATCHID='147440-12'
PSTAMP='on10-patch20120207154906'
PKGINST='SUNWdtrc'
PKGSAB=' /var/sadm/pkg/SUNWdtrc/save'
PKG_NO_UNIFIED='TRUE'
PATCHLIST='120900-04 118833-36 120011-14 127127-11 137137-09 139555-08
141444-09 142909-17 144500-19 146575-03 125095-15 138287-07 800111-04
800120-08 800151-15 800200-15 147440-12'
PATCH_INFO_120900-04='Installed: Tue Aug 23 11:22:23 PDT 2011 From:
host3 Obsoletes: 121266-01 Requires: Incompatibles:'
PATCH_INFO_118833-36='Installed: Tue Aug 23 11:42:01 PDT 2011 From:
host3 Obsoletes: 118822-30 118348-01 118868-01 120996-02 121298-01
119712-04 119852-03 119943-01 119984-03 120052-03 120196-02 121000-05
117170-01 117461-08 118370-04 118375-07 118852-07 118874-02 118911-01
118913-02 118927-02 118996-04 119216-02 119218-02 119374-13 119444-03
119557-09 119568-02 119569-02 119572-01 119596-03 119681-08 119687-02
119689-08 119715-10 119828-05 119939-01 119941-03 119992-02 119994-01
119996-01 120009-01 120030-03 120034-01 120054-02 120083-01 120251-02
120254-03 120258-02 120300-01 120362-02 120627-01 121237-01 121266-01
121268-01 121276-03 121280-01 121301-02 121777-01 121784-01 121788-02
121790-01 121792-01 121794-02 121796-01 121798-01 121800-01 121802-01
121804-01 121806-01 121808-01 121810-01 121812-01 121814-01 121816-01
121818-01 121820-01 121822-01 121824-01 121826-01 121832-01 121834-01
121836-01 121838-01 121840-01 121842-01 121844-01 121846-01 121848-01
121850-01 121852-01 121854-01 121894-01 122079-01 122081-01 122176-01
122235-01 122237-02 122241-01 122242-01 122243-01 122294-01 122296-01
122298-01 122302-01 122304-01 122306-01 122314-01 122316-01 122318-01
122320-01 122322-01 122324-01 122334-01 122336-01 122338-01 122339-01
122342-01 122344-01 122346-01 122348-01 122350-01 122644-01 120661-04
121694-01 118346-05 118812-03 118857-01 118920-02 119562-01 119571-01
119587-01 120467-05 121782-01 123950-02 118915-01 119560-02 119561-03
119333-01 119582-04 122333-01 122364-01 122366-01 122368-01 122370-01
122372-01 122374-01 122378-01 122380-01 122382-01 122384-01 122386-01
122392-01 119850-22 119982-05 120036-07 120253-03 120664-01 120844-01
121236-02 121693-03 122027-08 122215-01 122253-01 122388-01 122406-01
122523-03 122539-06 122650-02 122750-01 123302-01 123320-01 123352-05
123524-01 122394-01 122519-01 122652-04 123336-01 120198-05 121302-01
122195-03 122648-02 122856-03 123066-01 123304-02 123442-02 123522-01
123914-02 123952-01 124282-01 118548-01 118550-04 119719-01 119205-03
119207-02 119564-01 119215-02 119334-02 119566-01 119831-01 119682-02
118859-01 118992-03 119858-02 120197-01 118850-03 119589-03 118551-03
118835-04 118846-02 118923-04 119075-14 119577-01 119683-02 119832-02
119945-02 119951-01 119949-02 119983-01 119990-01 120017-02 120302-01
120304-05 119947-02 120066-01 118553-04 119591-03 119979-01 120537-05
120013-02 120471-02 124206-02 118870-02 123348-04 122410-01 Requires:
118918-13 119254-14 119042-09 119578-30 Incompatibles:'
PATCH_INFO_120011-14='Installed: Tue Aug 23 11:48:22 PDT 2011 From:
host3 Obsoletes: 116781-02 117447-01 117463-05 118371-10 118373-01
118564-03 118731-01 118879-02 118890-03 118925-05 118929-05 119012-03

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119073-03 119077-10 119265-02 119332-01 119336-01 119573-02 119580-05
 119586-02 119593-01 119685-11 119824-02 119826-02 119981-09 119985-02
 119998-02 120023-01 120032-04 120048-03 120050-06 120469-07 120473-12
 120629-08 120780-04 120809-01 120824-09 120845-05 120990-02 120998-02
 121006-02 121010-06 121215-01 121229-02 121235-01 121278-01 121282-02
 121284-02 121288-03 121292-01 121294-01 121406-01 121473-01 121474-01
 121476-01 121478-01 121786-01 121905-01 122251-01 122328-01 122404-01
 122412-01 122513-02 122535-01 122637-01 122646-02 122658-04 122660-10
 122662-05 122752-04 123017-01 123249-02 123256-02 123324-03 123330-01
 123350-01 123354-03 123356-02 123362-01 123418-02 123420-02 123422-03
 123441-05 123444-01 123910-03 123911-01 123916-05 123954-01 124204-04
 124208-01 124250-03 124254-04 124258-07 124280-01 124286-01 124327-04
 124442-01 124916-03 124918-02 124921-02 124922-03 124987-02 124990-01
 124993-01 124995-01 125009-01 125011-01 125014-03 125018-02 125020-01
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 125077-03 125079-01 125100-10 125112-01 125114-01 125116-02 125118-01
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 125427-01 125430-01 125432-01 125465-02 125478-01 125486-01 125488-02
 125492-01 125494-02 125497-01 125792-01 125795-01 126255-01 126303-02
 126310-01 126320-01 126429-01 126536-01 126663-01 126838-01 Requires:
 118833-36 118918-24 119042-09 119254-42 119574-02 119578-30 120272-12
 120900-04 121133-02 121901-01 122640-05 125369-05 125503-02 125547-01
 126419-01 126897-02 Incompatibles:'
 PATCH_INFO_127127-11='Installed: Tue Aug 23 11:49:40 PDT 2011 From:
 host3 Obsoletes: 118557-09 118560-02 118562-14 118843-01 120046-01
 120068-03 120737-01 121132-03 121233-01 121239-02 121290-03 121721-01
 121944-03 122363-02 122537-02 123360-01 123398-02 123564-01 123712-01
 123836-01 123915-01 124235-03 124252-03 124256-06 125016-02 125037-06
 125043-01 125081-16 125122-01 125131-01 125169-01 125196-05 125202-01
 125251-02 125253-01 125367-03 125380-02 125382-01 125418-01 125482-03
 125484-04 125490-02 125501-01 125553-03 125890-03 125899-01 125917-03
 126135-01 126143-01 126144-02 126322-01 126423-03 126432-01 126434-06
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 126670-01 126672-02 126916-01 127111-11 127716-01 127718-05 127728-06
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 127753-02 127757-01 127761-01 127855-02 127858-01 127862-01 127874-01
 127880-02 127918-02 127966-01 127982-01 127984-02 127990-02 127992-01
 128002-01 128028-03 128030-03 128314-01 128404-01 128500-01 136718-01
 136887-01 137044-01 137082-01 137113-01 Requires: 118731-01 118833-36
 118918-24 119042-09 119254-51 119578-30 120011-14 120900-04 121133-02
 121901-01 125891-01 126540-02 126897-02 127755-01 Incompatibles:'
 PATCH_INFO_137137-09='Installed: Tue Aug 23 11:50:32 PDT 2011 From:
 host3 Obsoletes: 120741-01 120986-12 120992-02 121008-02 121274-01
 121414-01 122029-01 122083-02 122172-06 122174-03 122356-01 122358-01
 122517-04 122525-03 123186-03 123809-02 123932-02 124999-01 125416-06
 126133-04 126145-01 126304-01 126653-01 126661-02 126674-01 127714-03
 127735-02 127739-03 127866-05 127868-01 127886-06 127888-11 127892-06
 127914-01 127959-02 127968-01 127970-01 128294-02 128400-05 128408-01
 128410-01 128413-01 128493-01 128548-08 136885-04 137042-01 137045-01
 137050-01 137086-01 137091-01 137099-01 137109-01 137111-08 137119-01
 137127-01 137135-01 137139-01 137280-02 137287-01 138042-05 138048-05
 138050-01 138051-01 138052-01 138054-01 138056-02 138060-04 138064-03
 138066-01 138068-01 138070-03 138072-02 138074-01 138075-02 138108-01
 138125-01 138127-01 138225-02 138229-02 138233-01 138237-01 138243-02
 138249-01 138251-01 138257-01 138259-01 138265-01 138271-04 138273-01

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138277-01 138279-01 138280-01 138284-04 138305-01 138306-01 138308-02
138310-01 138312-01 138314-01 138315-01 138316-01 138363-01 138365-01
138379-01 138390-02 138394-01 138401-01 138899-01 Requires: 118731-01
118822-24 118833-36 118918-24 119254-58 119374-09 119578-30 120011-14
120900-04 121133-02 125503-02 126897-02 127127-11 127755-01 138866-01
Incompatibles:'
PATCH_INFO_139555-08='Installed: Tue Aug 23 11:51:18 PDT 2011 From:
host3 Obsoletes: 120062-01 121130-01 125551-02 126264-01 127743-02
127853-02 128253-01 128296-01 128318-01 128322-01 128340-01 128406-01
137095-01 137106-01 137278-01 138058-01 138106-02 138114-01 138231-01
138241-05 138397-01 138639-01 138850-01 138864-01 138878-01 138888-08
139385-02 139458-01 139459-01 139466-04 139483-05 139489-03 139492-01
139494-01 139498-04 139500-04 139502-03 139506-01 139551-01 139558-03
139560-02 139562-02 139566-01 139570-05 139571-01 139572-02 139574-03
139579-04 139931-01 139936-01 139938-01 139939-01 139942-01 139947-01
139951-01 139952-01 139960-02 139965-01 139994-01 140000-04 140076-02
140077-01 140142-01 140173-01 140194-04 140196-01 140197-01 140334-01
140389-01 140402-01 140411-01 140677-01 140679-01 140774-03 140776-01
140794-01 140855-01 141006-01 141008-01 Requires: 125555-02 118731-01
118833-36 118918-24 119042-09 119254-41 119578-30 120011-14 120900-04
121133-02 126897-02 127127-11 127755-01 137137-09 138217-01 140796-01
140899-01 141016-01 Incompatibles:'
PATCH_INFO_141444-09='Installed: Tue Aug 23 11:52:07 PDT 2011 From:
host3 Obsoletes: 119143-02 120807-01 122754-01 123402-01 124924-01
125915-01 126266-01 126421-02 128004-01 128304-04 128306-05 128328-01
128334-01 128491-01 137021-03 137121-06 137129-06 137141-01 137289-02
137292-01 138044-02 138083-01 138104-01 138130-01 138174-04 138255-03
138269-02 138392-01 138625-02 138629-01 139386-02 139462-02 139464-01
139490-01 139881-01 139928-03 139956-01 139964-03 139973-01 139974-03
139977-07 139982-04 139985-02 139991-03 139993-03 139996-02 140150-01
140338-01 140408-01 140589-02 140916-02 140919-04 141028-01 141057-01
141414-10 141494-01 141510-03 141520-01 141524-03 141530-01 141538-01
141540-01 141546-01 141554-01 141556-01 141560-02 141690-02 141692-01
141694-02 141715-03 141721-03 141729-01 141731-01 141733-04 141736-05
141742-04 141743-04 141767-01 141770-01 141771-01 141775-01 141777-01
141781-02 141892-01 141894-01 141902-02 141908-01 141918-01 141920-03
141934-01 142004-01 142013-01 142051-01 142056-02 142246-01 142284-01
142479-01 142483-01 142489-01 Requires: 118833-36 118918-24 119042-09
119254-41 119578-30 120011-14 120900-04 121133-02 121901-01 121921-02
125503-02 126540-02 126897-02 127127-11 127755-01 137137-09 139555-08
142292-01 Incompatibles:'
PATCH_INFO_142909-17='Installed: Tue Aug 23 11:53:43 PDT 2011 From:
host3 Obsoletes: 118814-01 120038-01 120816-01 121128-01 121394-03
122085-01 123194-01 123271-01 123332-02 123334-05 125022-01 125108-02
125174-02 125200-01 125201-01 125808-01 125896-03 126308-01 126428-01
127723-01 127759-03 127762-01 127882-03 128032-01 128324-02 128346-01
136891-02 137017-03 137028-01 137123-03 137133-01 137291-01 138046-02
138081-01 138098-01 138112-01 138116-01 138118-01 138120-01 138157-01
138169-01 138223-03 138263-03 138283-05 138318-03 138324-03 138375-01
138381-01 138411-01 138627-07 138644-01 138764-02 138848-02 138858-01
138870-01 138872-02 138874-05 139390-01 139468-01 139487-01 139503-01
139504-01 139508-01 139509-02 139514-01 139553-01 139568-01 139935-01
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139970-01 139971-01 139975-03 139983-04 140003-03 140078-01 140144-01
140146-01 140151-02 140157-03 140165-01 140167-01 140169-01 140175-01
140192-01 140386-04 140391-03 140395-01 140397-11 140401-01 140413-01

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141544-01 141550-02 141562-02 141723-02 141740-01 141773-01 141780-01
141899-03 141906-01 141914-02 141922-02 142005-01 142055-03 142236-02
142242-05 142245-02 142247-01 142249-01 142257-05 142259-07 142263-01
142290-01 142330-01 142346-02 142390-03 142436-08 142481-01 142528-01
142539-01 142541-01 142675-01 142900-15 143051-01 143052-02 143054-01
143117-01 143119-02 143120-03 143122-02 143125-02 143128-05 143131-08
143135-03 143137-04 143350-05 143352-01 143354-03 143356-01 143357-05
143359-02 143360-01 143515-01 143519-01 143521-02 143523-04 143528-01
143556-04 143558-01 143565-01 143569-04 143574-01 143576-03 143583-02
143585-01 143586-02 143590-01 143595-01 143597-02 143603-01 143605-01
143607-01 143611-01 143613-01 143623-01 143895-01 143897-03 143899-01
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143933-01 143935-01 143943-01 144015-01 144017-01 144019-01 144021-01
144023-01 144043-01 144045-02 144049-01 144051-03 144056-01 144110-01
144182-01 144258-01 144369-01 144373-01 144389-01 144453-01 144494-01
144511-01 144624-01 144761-01 145024-01 145049-01 145051-01 145102-01
145103-01 Requires: 118731-01 118833-36 118918-24 119042-09 119578-30
120011-14 120900-04 121133-02 121901-01 126540-02 126897-02 127127-11
127755-01 137137-09 139555-08 141444-09 142911-01 142933-02
Incompatibles: '
PATCH_INFO_144500-19='Installed: Tue Aug 23 11:55:31 PDT 2011 From:
host3 Obsoletes: 118735-02 118842-01 120044-01 120061-02 120085-02
120994-01 121559-01 122183-03 122408-01 123319-01 123908-02 124237-01
125167-01 125171-02 125414-01 125549-01 126258-03 126260-02 126319-01
126655-02 126896-01 127737-02 127998-01 128000-01 128326-01 136889-01
136892-01 138079-01 138085-01 138087-01 138089-01 138128-01 138239-01
138261-03 138291-01 138293-01 138320-02 138371-06 138373-02 138377-01
138383-01 138387-01 138634-01 138880-02 139478-01 139485-02 139959-04
140074-09 140161-01 140163-01 140190-01 140387-02 140399-03 140683-01
140784-01 140921-02 141010-01 141020-03 141024-01 141052-02 141500-08
141502-02 141506-10 141508-02 141534-01 141686-01 141738-01 142046-04
142238-02 142342-01 142542-01 143140-04 143559-10 143561-10 143571-02
143575-01 143592-09 144053-05 144055-01 144184-02 144254-01 144256-01
144302-01 144311-03 144313-01 144315-01 144367-02 144382-01 144384-02
144459-01 144488-17 144490-01 144508-02 144521-01 144530-01 144532-01
144536-02 144542-06 144548-01 144550-01 144552-01 144554-01 144561-02
144563-02 144565-05 144567-02 144571-02 144573-01 144574-06 144748-02
144754-01 144759-02 144874-01 144903-02 145021-01 145042-03 145046-01
145047-01 145107-02 145124-02 145788-03 145792-01 145794-01 145796-02
145798-08 145868-05 145870-01 145885-01 145887-01 145889-03 145893-02
145895-05 145897-01 145901-01 145907-02 145913-01 145915-01 145927-02
145933-02 145939-01 145941-02 145944-01 145961-02 145963-01 146017-04
146018-03 146019-02 146021-02 146023-01 146028-05 146030-01 146058-02
146062-02 146064-01 146066-02 146069-04 146070-01 146073-01 146132-01
146230-01 146277-01 146287-01 146327-01 146328-02 146336-03 146440-01
146442-01 146443-01 146447-02 146449-01 146478-01 146482-01 146484-01
146570-02 146584-01 146677-01 146701-01 146778-02 146802-03 146804-01
146842-01 146846-01 146855-01 146857-01 147053-01 147182-01 Requires:
118833-36 118918-24 119042-09 119254-41 119578-30 120011-14 121901-01
125891-01 126897-02 127127-11 127755-01 137137-09 139555-08 141444-09
142909-17 142933-03 144526-01 147061-01 Incompatibles: '
PATCH_INFO_146575-03='Installed: Tue Aug 23 11:58:14 PDT 2011 From:
host3 Obsoletes: 141590-02 141765-01 143941-02 Requires: 118833-36
120011-14 127127-11 137137-09 139555-08 141444-09 142909-17

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Incompatibles: '
PATCH_INFO_125095-15='Installed: Tue Aug 23 12:41:10 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles: '
PATCH_INFO_138287-07='Installed: Tue Aug 23 12:56:34 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles: '
PATCH_INFO_800111-04='Installed: Tue Aug 23 13:12:48 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles: '
PATCH_INFO_800120-08='Installed: Tue Aug 23 13:29:31 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles: '
PATCH_INFO_800151-15='Installed: Tue Aug 23 13:48:39 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles: '
PATCH_INFO_800200-15='Installed: Tue Aug 23 14:43:12 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles: '
INSTDATE='Jun 13 2012 04:25'
UPDATE='yes'
PATCH_UNCONDITIONAL='false'
PATCH_NO_UNDO='true'
PATCH_BUILD_DIR='none'
PATCH_UNDO_ARCHIVE='none'
INTERRUPTION='no'
ACTIVE_OBSOLETES='125804-01 125902-02 137276-01 140383-01 140563-03
141590-02 141765-01 143941-02 144534-02 146279-01 146281-01 146283-01
146294-03 146320-03 146322-01 146575-03 146767-02 147012-02 147157-02
147258-01 147268-01 147436-01 147699-01 147701-01 147713-01 147770-01
148229-01'
PATCH_INFO_147440-12='Installed: Wed Jun 13 04:25:10 UTC 2012 From: host
Obsoletes: 125804-01 125902-02 137276-01 140383-01 140563-03 141590-02
141765-01 143941-02 144534-02 146279-01 146281-01 146283-01 146294-03
146320-03 146322-01 146575-03 146767-02 147012-02 147157-02 147258-01
147268-01 147436-01 147699-01 147701-01 147713-01 147770-01 148229-01
Requires: 118833-36 120011-14 121133-02 125555-10 127127-11 137137-09
139555-08 141444-09 142909-17 142933-04 144500-19 Incompatibles: '
SCRIPTS_DIR='/tmp/patch_sol_set/10_Recommended/11282011/patches/147440-12/s
Exit status: 0
present.
Checking pkg SUNWzoneu...pkgparam -v SUNWzoneu 2>&1
CLASSES='none'
BASEDIR='/'
LANG=''
TZ='UTC'
PKG_CLIENT_OS='Solaris'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_REVISION='0'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
OAMBASE='/usr/sadm/sysadm'
PKG='SUNWzoneu'
NAME='Solaris Zones (Usr)'
ARCH='sparc'
VERSION='11.10.0, REV=2005.01.21.15.53'
SUNW_PRODNAME='SunOS'
SUNW_PRODVERS='5.10/Generic'
SUNW_PKGTYPE='usr'
SUNW_OBSOLETES=''
MAXINST='1000'
CATEGORY='system'
DESC='Solaris Zones Configuration and Administration'

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VENDOR='Oracle Corporation'
HOTLINE='Please contact your local service provider'
EMAIL=''
SUNW_PKGVERS='1.0'
SUNW_PKG_ALLZONES='true'
SUNW_PKG_HOLLOW='false'
SUNW_REQUIRES='118833-36 120011-14 121133-02 125555-10 127127-11
137137-09 139555-08 141444-09 142909-17 142933-04 144500-19'
SUNW_INCOMPAT=''
SUNW_PATCHID='147440-12'
PSTAMP='on10-patch20120207154925'
PKGINST='SUNWzoneu'
PKGSAB=' /var/sadm/pkg/SUNWzoneu/save'
PKG_NO_UNIFIED='TRUE'
PATCHLIST='120900-04 121133-02 120011-14 127127-11 137137-09 139555-08
141444-09 142909-17 144569-01 145194-01 145911-03 146134-01 146334-01
146767-02 121778-12 123259-12 125095-15 138287-07 800111-04 800120-08
800151-15 800200-15 147440-12'
PATCH_INFO_120900-04='Installed: Tue Aug 23 11:22:24 PDT 2011 From:
host3 Obsoletes: 121266-01 Requires: Incompatibles:'
PATCH_INFO_121133-02='Installed: Tue Aug 23 11:22:28 PDT 2011 From:
host3 Obsoletes: 121333-03 Requires: 120900-04 Incompatibles:'
PATCH_INFO_120011-14='Installed: Tue Aug 23 11:49:04 PDT 2011 From:
host3 Obsoletes: 116781-02 117447-01 117463-05 118371-10 118373-01
118564-03 118731-01 118879-02 118890-03 118925-05 118929-05 119012-03
119073-03 119077-10 119265-02 119332-01 119336-01 119573-02 119580-05
119586-02 119593-01 119685-11 119824-02 119826-02 119981-09 119985-02
119998-02 120023-01 120032-04 120048-03 120050-06 120469-07 120473-12
120629-08 120780-04 120809-01 120824-09 120845-05 120990-02 120998-02
121006-02 121010-06 121215-01 121229-02 121235-01 121278-01 121282-02
121284-02 121288-03 121292-01 121294-01 121406-01 121473-01 121474-01
121476-01 121478-01 121786-01 121905-01 122251-01 122328-01 122404-01
122412-01 122513-02 122535-01 122637-01 122646-02 122658-04 122660-10
122662-05 122752-04 123017-01 123249-02 123256-02 123324-03 123330-01
123350-01 123354-03 123356-02 123362-01 123418-02 123420-02 123422-03
123441-05 123444-01 123910-03 123911-01 123916-05 123954-01 124204-04
124208-01 124250-03 124254-04 124258-07 124280-01 124286-01 124327-04
124442-01 124916-03 124918-02 124921-02 124922-03 124987-02 124990-01
124993-01 124995-01 125009-01 125011-01 125014-03 125018-02 125020-01
125024-01 125026-01 125028-03 125035-01 125040-01 125042-02 125073-01
125077-03 125079-01 125100-10 125112-01 125114-01 125116-02 125118-01
125120-03 125123-01 125127-01 125129-01 125198-02 125203-01 125329-03
125363-06 125371-01 125383-01 125385-02 125420-01 125422-01 125424-01
125427-01 125430-01 125432-01 125465-02 125478-01 125486-01 125488-02
125492-01 125494-02 125497-01 125792-01 125795-01 126255-01 126303-02
126310-01 126320-01 126429-01 126536-01 126663-01 126838-01 Requires:
118833-36 118918-24 119042-09 119254-42 119574-02 119578-30 120272-12
120900-04 121133-02 121901-01 122640-05 125369-05 125503-02 125547-01
126419-01 126897-02 Incompatibles:'
PATCH_INFO_127127-11='Installed: Tue Aug 23 11:50:02 PDT 2011 From:
host3 Obsoletes: 118557-09 118560-02 118562-14 118843-01 120046-01
120068-03 120737-01 121132-03 121233-01 121239-02 121290-03 121721-01
121944-03 122363-02 122537-02 123360-01 123398-02 123564-01 123712-01
123836-01 123915-01 124235-03 124252-03 124256-06 125016-02 125037-06
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125251-02 125253-01 125367-03 125380-02 125382-01 125418-01 125482-03

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125484-04 125490-02 125501-01 125553-03 125890-03 125899-01 125917-03
126135-01 126143-01 126144-02 126322-01 126423-03 126432-01 126434-06
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127730-04 127732-01 127741-01 127745-01 127747-01 127749-03 127750-01
127753-02 127757-01 127761-01 127855-02 127858-01 127862-01 127874-01
127880-02 127918-02 127966-01 127982-01 127984-02 127990-02 127992-01
128002-01 128028-03 128030-03 128314-01 128404-01 128500-01 136718-01
136887-01 137044-01 137082-01 137113-01 Requires: 118731-01 118833-36
118918-24 119042-09 119254-51 119578-30 120011-14 120900-04 121133-02
121901-01 125891-01 126540-02 126897-02 127755-01 Incompatibles:
PATCH_INFO_137137-09='Installed: Tue Aug 23 11:50:54 PDT 2011 From:
host3 Obsoletes: 120741-01 120986-12 120992-02 121008-02 121274-01
121414-01 122029-01 122083-02 122172-06 122174-03 122356-01 122358-01
122517-04 122525-03 123186-03 123809-02 123932-02 124999-01 125416-06
126133-04 126145-01 126304-01 126653-01 126661-02 126674-01 127714-03
127735-02 127739-03 127866-05 127868-01 127886-06 127888-11 127892-06
127914-01 127959-02 127968-01 127970-01 128294-02 128400-05 128408-01
128410-01 128413-01 128493-01 128548-08 136885-04 137042-01 137045-01
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137127-01 137135-01 137139-01 137280-02 137287-01 138042-05 138048-05
138050-01 138051-01 138052-01 138054-01 138056-02 138060-04 138064-03
138066-01 138068-01 138070-03 138072-02 138074-01 138075-02 138108-01
138125-01 138127-01 138225-02 138229-02 138233-01 138237-01 138243-02
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138379-01 138390-02 138394-01 138401-01 138899-01 Requires: 118731-01
118822-24 118833-36 118918-24 119254-58 119374-09 119578-30 120011-14
120900-04 121133-02 125503-02 126897-02 127127-11 127755-01 138866-01
Incompatibles:
PATCH_INFO_139555-08='Installed: Tue Aug 23 11:51:37 PDT 2011 From:
host3 Obsoletes: 120062-01 121130-01 125551-02 126264-01 127743-02
127853-02 128253-01 128296-01 128318-01 128322-01 128340-01 128406-01
137095-01 137106-01 137278-01 138058-01 138106-02 138114-01 138231-01
138241-05 138397-01 138639-01 138850-01 138864-01 138878-01 138888-08
139385-02 139458-01 139459-01 139466-04 139483-05 139489-03 139492-01
139494-01 139498-04 139500-04 139502-03 139506-01 139551-01 139558-03
139560-02 139562-02 139566-01 139570-05 139571-01 139572-02 139574-03
139579-04 139931-01 139936-01 139938-01 139939-01 139942-01 139947-01
139951-01 139952-01 139960-02 139965-01 139994-01 140000-04 140076-02
140077-01 140142-01 140173-01 140194-04 140196-01 140197-01 140334-01
140389-01 140402-01 140411-01 140677-01 140679-01 140774-03 140776-01
140794-01 140855-01 141006-01 141008-01 Requires: 125555-02 118731-01
118833-36 118918-24 119042-09 119254-41 119578-30 120011-14 120900-04
121133-02 126897-02 127127-11 127755-01 137137-09 138217-01 140796-01
140899-01 141016-01 Incompatibles:
PATCH_INFO_141444-09='Installed: Tue Aug 23 11:52:32 PDT 2011 From:
host3 Obsoletes: 119143-02 120807-01 122754-01 123402-01 124924-01
125915-01 126266-01 126421-02 128004-01 128304-04 128306-05 128328-01
128334-01 128491-01 137021-03 137121-06 137129-06 137141-01 137289-02
137292-01 138044-02 138083-01 138104-01 138130-01 138174-04 138255-03
138269-02 138392-01 138625-02 138629-01 139386-02 139462-02 139464-01
139490-01 139881-01 139928-03 139956-01 139964-03 139973-01 139974-03
139977-07 139982-04 139985-02 139991-03 139993-03 139996-02 140150-01
140338-01 140408-01 140589-02 140916-02 140919-04 141028-01 141057-01

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141414-10 141494-01 141510-03 141520-01 141524-03 141530-01 141538-01
141540-01 141546-01 141554-01 141556-01 141560-02 141690-02 141692-01
141694-02 141715-03 141721-03 141729-01 141731-01 141733-04 141736-05
141742-04 141743-04 141767-01 141770-01 141771-01 141775-01 141777-01
141781-02 141892-01 141894-01 141902-02 141908-01 141918-01 141920-03
141934-01 142004-01 142013-01 142051-01 142056-02 142246-01 142284-01
142479-01 142483-01 142489-01 Requires: 118833-36 118918-24 119042-09
119254-41 119578-30 120011-14 120900-04 121133-02 121901-01 121921-02
125503-02 126540-02 126897-02 127127-11 127755-01 137137-09 139555-08
142292-01 Incompatibles:'
PATCH_INFO_142909-17='Installed: Tue Aug 23 11:54:27 PDT 2011 From:
host3 Obsoletes: 118814-01 120038-01 120816-01 121128-01 121394-03
122085-01 123194-01 123271-01 123332-02 123334-05 125022-01 125108-02
125174-02 125200-01 125201-01 125808-01 125896-03 126308-01 126428-01
127723-01 127759-03 127762-01 127882-03 128032-01 128324-02 128346-01
136891-02 137017-03 137028-01 137123-03 137133-01 137291-01 138046-02
138081-01 138098-01 138112-01 138116-01 138118-01 138120-01 138157-01
138169-01 138223-03 138263-03 138283-05 138318-03 138324-03 138375-01
138381-01 138411-01 138627-07 138644-01 138764-02 138848-02 138858-01
138870-01 138872-02 138874-05 139390-01 139468-01 139487-01 139503-01
139504-01 139508-01 139509-02 139514-01 139553-01 139568-01 139935-01
139941-01 139943-01 139945-03 139946-01 139948-01 139949-01 139958-01
139970-01 139971-01 139975-03 139983-04 140003-03 140078-01 140144-01
140146-01 140151-02 140157-03 140165-01 140167-01 140169-01 140175-01
140192-01 140386-04 140391-03 140395-01 140397-11 140401-01 140413-01
140557-01 140559-01 140562-02 140681-02 140788-01 140917-02 141012-01
141022-02 141026-14 141030-10 141034-02 141054-01 141536-01 141542-01
141544-01 141550-02 141562-02 141723-02 141740-01 141773-01 141780-01
141899-03 141906-01 141914-02 141922-02 142005-01 142055-03 142236-02
142242-05 142245-02 142247-01 142249-01 142257-05 142259-07 142263-01
142290-01 142330-01 142346-02 142390-03 142436-08 142481-01 142528-01
142539-01 142541-01 142675-01 142900-15 143051-01 143052-02 143054-01
143117-01 143119-02 143120-03 143122-02 143125-02 143128-05 143131-08
143135-03 143137-04 143350-05 143352-01 143354-03 143356-01 143357-05
143359-02 143360-01 143515-01 143519-01 143521-02 143523-04 143528-01
143556-04 143558-01 143565-01 143569-04 143574-01 143576-03 143583-02
143585-01 143586-02 143590-01 143595-01 143597-02 143603-01 143605-01
143607-01 143611-01 143613-01 143623-01 143895-01 143897-03 143899-01
143903-01 143905-01 143907-01 143909-06 143911-01 143920-02 143927-02
143933-01 143935-01 143943-01 144015-01 144017-01 144019-01 144021-01
144023-01 144043-01 144045-02 144049-01 144051-03 144056-01 144110-01
144182-01 144258-01 144369-01 144373-01 144389-01 144453-01 144494-01
144511-01 144624-01 144761-01 145024-01 145049-01 145051-01 145102-01
145103-01 Requires: 118731-01 118833-36 118918-24 119042-09 119578-30
120011-14 120900-04 121133-02 121901-01 126540-02 126897-02 127127-11
127755-01 137137-09 139555-08 141444-09 142911-01 142933-02
Incompatibles:'
PATCH_INFO_144569-01='Installed: Tue Aug 23 11:56:20 PDT 2011 From:
host3 Obsoletes: Requires: 118731-01 120011-14 127127-11 137137-09
139555-08 142909-17 Incompatibles:'
PATCH_INFO_145194-01='Installed: Tue Aug 23 11:56:46 PDT 2011 From:
host3 Obsoletes: Requires: 137137-09 139555-08 Incompatibles:'
PATCH_INFO_145911-03='Installed: Tue Aug 23 11:57:14 PDT 2011 From:
host3 Obsoletes: 144556-03 Requires: 120011-14 120900-04 121133-02
127127-11 137137-09 139555-08 141444-09 142909-17 Incompatibles:'
PATCH_INFO_146134-01='Installed: Tue Aug 23 11:57:47 PDT 2011 From:

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host3 Obsoletes: Requires: 142909-17 Incompatibles: '
PATCH_INFO_146334-01='Installed: Tue Aug 23 11:58:02 PDT 2011 From:
host3 Obsoletes: Requires: 120011-14 121133-02 127127-11 139555-08
142909-17 Incompatibles: '
PATCH_INFO_146767-02='Installed: Tue Aug 23 11:58:38 PDT 2011 From:
host3 Obsoletes: Requires: 120011-14 121133-02 127127-11 137137-09
139555-08 141444-09 142909-17 Incompatibles: '
PATCH_INFO_121778-12='Installed: Tue Aug 23 12:36:25 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles: '
PATCH_INFO_123259-12='Installed: Tue Aug 23 12:37:37 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles: '
PATCH_INFO_125095-15='Installed: Tue Aug 23 12:51:33 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles: '
PATCH_INFO_138287-07='Installed: Tue Aug 23 13:07:27 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles: '
PATCH_INFO_800111-04='Installed: Tue Aug 23 13:25:01 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles: '
PATCH_INFO_800120-08='Installed: Tue Aug 23 13:43:16 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles: '
PATCH_INFO_800151-15='Installed: Tue Aug 23 14:02:36 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles: '
PATCH_INFO_800200-15='Installed: Tue Aug 23 14:57:41 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles: '
INSTDATE='Jun 13 2012 04:25'
UPDATE='yes'
PATCH_UNCONDITIONAL='false'
PATCH_NO_UNDO='true'
PATCH_BUILD_DIR='none'
PATCH_UNDO_ARCHIVE='none'
INTERRUPTION='no'
ACTIVE_OBSOLETES='125804-01 125902-02 137276-01 140383-01 140563-03
141590-02 141765-01 143941-02 144534-02 146279-01 146281-01 146283-01
146294-03 146320-03 146322-01 146575-03 146767-02 147012-02 147157-02
147258-01 147268-01 147436-01 147699-01 147701-01 147713-01 147770-01
148229-01'
PATCH_INFO_147440-12='Installed: Wed Jun 13 04:25:43 UTC 2012 From: host
Obsoletes: 125804-01 125902-02 137276-01 140383-01 140563-03 141590-02
141765-01 143941-02 144534-02 146279-01 146281-01 146283-01 146294-03
146320-03 146322-01 146575-03 146767-02 147012-02 147157-02 147258-01
147268-01 147436-01 147699-01 147701-01 147713-01 147770-01 148229-01
Requires: 118833-36 120011-14 121133-02 125555-10 127127-11 137137-09
139555-08 141444-09 142909-17 142933-04 144500-19 Incompatibles: '
SCRIPTS_DIR='/tmp/patch_sol_set/10_Recommended/11282011/patches/147440-12/'
Exit status: 0
present.
PATCHUTILS Unknown is already present.
Checking BZIP 11.10 ...
Checking pkg SUNWbzip...pkgparam -v SUNWbzip 2>&1
CLASSES='none'
BASEDIR='/'
LANG=''
TZ='UTC'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
OAMBASE='/usr/sadm/sysadm'
ARCH='sparc'
CATEGORY='system'

```

```

DESC='The bzip compression utility'
EMAIL=''
HOTLINE='Please contact your local service provider'
MAXINST='1000'
NAME='The bzip compression utility'
PKG='SUNWbzip'
SUNW_PKGTYPE='usr'
SUNW_PKGVERS='1.0'
SUNW_PRODNAME='SunOS'
SUNW_PRODVERS='5.10/SunOS Development'
VERSION='11.10.0,REV=2005.01.08.05.16'
PSTAMP='sfw10-patch20110415085252'
VENDOR='Oracle Corporation'
PATCHLIST='126868-04 137321-01 120272-31 128355-09 138423-06 138892-02
800102-01 800156-06 800198-06'
PATCH_INFO_126868-04='Installed: Tue Aug 23 11:29:47 PDT 2011 From:
host3 Obsoletes: 127784-01 Requires: Incompatibles:'
PATCH_INFO_137321-01='Installed: Tue Aug 23 11:30:29 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_120272-31='Installed: Tue Aug 23 11:43:21 PDT 2011 From:
host3 Obsoletes: Requires: 119042-09 121901-01 122539-05 Incompatibles:'
PATCH_INFO_128355-09='Installed: Tue Aug 23 12:52:51 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_138423-06='Installed: Tue Aug 23 13:07:40 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_138892-02='Installed: Tue Aug 23 13:08:10 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800102-01='Installed: Tue Aug 23 13:08:47 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800156-06='Installed: Tue Aug 23 14:03:31 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800198-06='Installed: Tue Aug 23 14:34:37 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PKGINST='SUNWbzip'
PKGSAB=' /var/sadm/pkg/SUNWbzip/save'
INSTDATE='Jun 13 2012 03:51'
-- Exit status: 0
present.
BZIP 11.10 is already present.
Checking RECOMMENDED 2013.02.19 ...
Checking pkg SUNWckr...pkgparam -v SUNWckr 2>&1
CLASSES='none etcsystem kcfconfbase manifest preserve renameold
scsivhconf sdconf renamenew'
BASEDIR='/'
LANG=''
TZ='UTC'
PKG_CLIENT_OS='Solaris'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_REVISION='0'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
OAMBASE='/usr/sadm/sysadm'
PKG='SUNWckr'
NAME='Core Solaris Kernel (Root)'
ARCH='sparc'
VERSION='11.10.0,REV=2005.01.21.15.53'
SUNW_PRODNAME='SunOS'

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SUNW_PRODVERS='5.10/Generic'
SUNW_PKGTYPE='root'
SUNW_OBSOLETES=''
MAXINST='1000'
CATEGORY='system'
DESC='core kernel software for a specific instruction-set architecture'
VENDOR='Oracle Corporation'
HOTLINE='Please contact your local service provider'
EMAIL=''
SUNW_PKGVERS='1.0'
SUNW_PKG_ALLZONES='true'
SUNW_PKG_HOLLOW='true'
SUNW_REQUIRES='118833-36 120011-14 121133-02 125555-10 127127-11
137137-09 139555-08 141444-09 142909-17 142933-04 144500-19'
SUNW_INCOMPAT=''
SUNW_PATCHID='147440-12'
PSTAMP='on10-patch20120207154901'
PKGINST='SUNWckr'
PKGSABV='/var/sadm/pkg/SUNWckr/save'
PKG_NO_UNIFIED='TRUE'
PATCHLIST='118918-24 119578-30 120311-02 138217-01 118833-36 121337-01
128310-01 146320-03 120011-14 127127-11 128332-01 137032-01 137137-09
137282-01 139555-08 141444-09 142332-03 142394-01 142909-17 144500-19
144534-02 145204-01 145919-02 145940-01 146060-01 146236-02 146283-01
146652-01 146834-01 147192-01 147440-01 121778-12 121780-12 123259-12
125095-15 125888-01 138287-07 138289-07 800111-04 800113-04 800120-08
800122-08 800151-15 800153-15 800200-15 800202-16 144524-02 147159-03
147440-12'
PATCH_INFO_118918-24='Installed: Tue Aug 23 11:14:21 PDT 2011 From:
host3 Obsoletes: 116781-02 119012-03 121282-02 121284-02 121292-01
121473-01 121476-01 121478-01 121786-01 123444-01 Requires:
Incompatibles:'
PATCH_INFO_119578-30='Installed: Tue Aug 23 11:16:41 PDT 2011 From:
host3 Obsoletes: 119330-01 119331-01 119559-01 119576-01 120635-02
122396-01 Requires: Incompatibles:'
PATCH_INFO_120311-02='Installed: Tue Aug 23 11:21:37 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_138217-01='Installed: Tue Aug 23 11:38:52 PDT 2011 From:
host3 Obsoletes: 119042-11 Requires: 119254-51 Incompatibles:'
PATCH_INFO_118833-36='Installed: Tue Aug 23 11:41:54 PDT 2011 From:
host3 Obsoletes: 118822-30 118348-01 118868-01 120996-02 121298-01
119712-04 119852-03 119943-01 119984-03 120052-03 120196-02 121000-05
117170-01 117461-08 118370-04 118375-07 118852-07 118874-02 118911-01
118913-02 118927-02 118996-04 119216-02 119218-02 119374-13 119444-03
119557-09 119568-02 119569-02 119572-01 119596-03 119681-08 119687-02
119689-08 119715-10 119828-05 119939-01 119941-03 119992-02 119994-01
119996-01 120009-01 120030-03 120034-01 120054-02 120083-01 120251-02
120254-03 120258-02 120300-01 120362-02 120627-01 121237-01 121266-01
121268-01 121276-03 121280-01 121301-02 121777-01 121784-01 121788-02
121790-01 121792-01 121794-02 121796-01 121798-01 121800-01 121802-01
121804-01 121806-01 121808-01 121810-01 121812-01 121814-01 121816-01
121818-01 121820-01 121822-01 121824-01 121826-01 121832-01 121834-01
121836-01 121838-01 121840-01 121842-01 121844-01 121846-01 121848-01
121850-01 121852-01 121854-01 121894-01 122079-01 122081-01 122176-01
122235-01 122237-02 122241-01 122242-01 122243-01 122294-01 122296-01
122298-01 122302-01 122304-01 122306-01 122314-01 122316-01 122318-01

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122320-01 122322-01 122324-01 122334-01 122336-01 122338-01 122339-01
122342-01 122344-01 122346-01 122348-01 122350-01 122644-01 120661-04
121694-01 118346-05 118812-03 118857-01 118920-02 119562-01 119571-01
119587-01 120467-05 121782-01 123950-02 118915-01 119560-02 119561-03
119333-01 119582-04 122333-01 122364-01 122366-01 122368-01 122370-01
122372-01 122374-01 122378-01 122380-01 122382-01 122384-01 122386-01
122392-01 119850-22 119982-05 120036-07 120253-03 120664-01 120844-01
121236-02 121693-03 122027-08 122215-01 122253-01 122388-01 122406-01
122523-03 122539-06 122650-02 122750-01 123302-01 123320-01 123352-05
123524-01 122394-01 122519-01 122652-04 123336-01 120198-05 121302-01
122195-03 122648-02 122856-03 123066-01 123304-02 123442-02 123522-01
123914-02 123952-01 124282-01 118548-01 118550-04 119719-01 119205-03
119207-02 119564-01 119215-02 119334-02 119566-01 119831-01 119682-02
118859-01 118992-03 119858-02 120197-01 118850-03 119589-03 118551-03
118835-04 118846-02 118923-04 119075-14 119577-01 119683-02 119832-02
119945-02 119951-01 119949-02 119983-01 119990-01 120017-02 120302-01
120304-05 119947-02 120066-01 118553-04 119591-03 119979-01 120537-05
120013-02 120471-02 124206-02 118870-02 123348-04 122410-01 Requires:
118918-13 119254-14 119042-09 119578-30 Incompatibles:'
PATCH_INFO_121337-01='Installed: Tue Aug 23 11:44:44 PDT 2011 From:
host3 Obsoletes: Requires: 118822-23 Incompatibles:'
PATCH_INFO_128310-01='Installed: Tue Aug 23 11:45:32 PDT 2011 From:
host3 Obsoletes: 128258-01 Requires: 118833-36 Incompatibles:'
PATCH_INFO_146320-03='Installed: Tue Aug 23 11:46:09 PDT 2011 From:
host3 Obsoletes: 140383-01 140563-03 146281-01 Requires: 118833-36
Incompatibles:'
PATCH_INFO_120011-14='Installed: Tue Aug 23 11:48:15 PDT 2011 From:
host3 Obsoletes: 116781-02 117447-01 117463-05 118371-10 118373-01
118564-03 118731-01 118879-02 118890-03 118925-05 118929-05 119012-03
119073-03 119077-10 119265-02 119332-01 119336-01 119573-02 119580-05
119586-02 119593-01 119685-11 119824-02 119826-02 119981-09 119985-02
119998-02 120023-01 120032-04 120048-03 120050-06 120469-07 120473-12
120629-08 120780-04 120809-01 120824-09 120845-05 120990-02 120998-02
121006-02 121010-06 121215-01 121229-02 121235-01 121278-01 121282-02
121284-02 121288-03 121292-01 121294-01 121406-01 121473-01 121474-01
121476-01 121478-01 121786-01 121905-01 122251-01 122328-01 122404-01
122412-01 122513-02 122535-01 122637-01 122646-02 122658-04 122660-10
122662-05 122752-04 123017-01 123249-02 123256-02 123324-03 123330-01
123350-01 123354-03 123356-02 123362-01 123418-02 123420-02 123422-03
123441-05 123444-01 123910-03 123911-01 123916-05 123954-01 124204-04
124208-01 124250-03 124254-04 124258-07 124280-01 124286-01 124327-04
124442-01 124916-03 124918-02 124921-02 124922-03 124987-02 124990-01
124993-01 124995-01 125009-01 125011-01 125014-03 125018-02 125020-01
125024-01 125026-01 125028-03 125035-01 125040-01 125042-02 125073-01
125077-03 125079-01 125100-10 125112-01 125114-01 125116-02 125118-01
125120-03 125123-01 125127-01 125129-01 125198-02 125203-01 125329-03
125363-06 125371-01 125383-01 125385-02 125420-01 125422-01 125424-01
125427-01 125430-01 125432-01 125465-02 125478-01 125486-01 125488-02
125492-01 125494-02 125497-01 125792-01 125795-01 126255-01 126303-02
126310-01 126320-01 126429-01 126536-01 126663-01 126838-01 Requires:
118833-36 118918-24 119042-09 119254-42 119574-02 119578-30 120272-12
120900-04 121133-02 121901-01 122640-05 125369-05 125503-02 125547-01
126419-01 126897-02 Incompatibles:'
PATCH_INFO_127127-11='Installed: Tue Aug 23 11:49:34 PDT 2011 From:
host3 Obsoletes: 118557-09 118560-02 118562-14 118843-01 120046-01
120068-03 120737-01 121132-03 121233-01 121239-02 121290-03 121721-01

121944-03 122363-02 122537-02 123360-01 123398-02 123564-01 123712-01
123836-01 123915-01 124235-03 124252-03 124256-06 125016-02 125037-06
125043-01 125081-16 125122-01 125131-01 125169-01 125196-05 125202-01
125251-02 125253-01 125367-03 125380-02 125382-01 125418-01 125482-03
125484-04 125490-02 125501-01 125553-03 125890-03 125899-01 125917-03
126135-01 126143-01 126144-02 126322-01 126423-03 126432-01 126434-06
126448-05 126450-01 126647-02 126664-01 126665-01 126666-01 126668-01
126670-01 126672-02 126916-01 127111-11 127716-01 127718-05 127728-06
127730-04 127732-01 127741-01 127745-01 127747-01 127749-03 127750-01
127753-02 127757-01 127761-01 127855-02 127858-01 127862-01 127874-01
127880-02 127918-02 127966-01 127982-01 127984-02 127990-02 127992-01
128002-01 128028-03 128030-03 128314-01 128404-01 128500-01 136718-01
136887-01 137044-01 137082-01 137113-01 Requires: 118731-01 118833-36
118918-24 119042-09 119254-51 119578-30 120011-14 120900-04 121133-02
121901-01 125891-01 126540-02 126897-02 127755-01 Incompatibles:'
PATCH_INFO_128332-01='Installed: Tue Aug 23 11:50:06 PDT 2011 From:
host3 Obsoletes: 128495-01 Requires: 118833-36 120011-14 Incompatibles:'
PATCH_INFO_137032-01='Installed: Tue Aug 23 11:50:11 PDT 2011 From:
host3 Obsoletes: 136716-01 Requires: 118833-36 120011-14 Incompatibles:'
PATCH_INFO_137137-09='Installed: Tue Aug 23 11:50:29 PDT 2011 From:
host3 Obsoletes: 120741-01 120986-12 120992-02 121008-02 121274-01
121414-01 122029-01 122083-02 122172-06 122174-03 122356-01 122358-01
122517-04 122525-03 123186-03 123809-02 123932-02 124999-01 125416-06
126133-04 126145-01 126304-01 126653-01 126661-02 126674-01 127714-03
127735-02 127739-03 127866-05 127868-01 127886-06 127888-11 127892-06
127914-01 127959-02 127968-01 127970-01 128294-02 128400-05 128408-01
128410-01 128413-01 128493-01 128548-08 136885-04 137042-01 137045-01
137050-01 137086-01 137091-01 137099-01 137109-01 137111-08 137119-01
137127-01 137135-01 137139-01 137280-02 137287-01 138042-05 138048-05
138050-01 138051-01 138052-01 138054-01 138056-02 138060-04 138064-03
138066-01 138068-01 138070-03 138072-02 138074-01 138075-02 138108-01
138125-01 138127-01 138225-02 138229-02 138233-01 138237-01 138243-02
138249-01 138251-01 138257-01 138259-01 138265-01 138271-04 138273-01
138277-01 138279-01 138280-01 138284-04 138305-01 138306-01 138308-02
138310-01 138312-01 138314-01 138315-01 138316-01 138363-01 138365-01
138379-01 138390-02 138394-01 138401-01 138899-01 Requires: 118731-01
118822-24 118833-36 118918-24 119254-58 119374-09 119578-30 120011-14
120900-04 121133-02 125503-02 126897-02 127127-11 127755-01 138866-01
Incompatibles:'
PATCH_INFO_137282-01='Installed: Tue Aug 23 11:50:56 PDT 2011 From:
host3 Obsoletes: Requires: 118833-36 120011-14 Incompatibles:'
PATCH_INFO_139555-08='Installed: Tue Aug 23 11:51:15 PDT 2011 From:
host3 Obsoletes: 120062-01 121130-01 125551-02 126264-01 127743-02
127853-02 128253-01 128296-01 128318-01 128322-01 128340-01 128406-01
137095-01 137106-01 137278-01 138058-01 138106-02 138114-01 138231-01
138241-05 138397-01 138639-01 138850-01 138864-01 138878-01 138888-08
139385-02 139458-01 139459-01 139466-04 139483-05 139489-03 139492-01
139494-01 139498-04 139500-04 139502-03 139506-01 139551-01 139558-03
139560-02 139562-02 139566-01 139570-05 139571-01 139572-02 139574-03
139579-04 139931-01 139936-01 139938-01 139939-01 139942-01 139947-01
139951-01 139952-01 139960-02 139965-01 139994-01 140000-04 140076-02
140077-01 140142-01 140173-01 140194-04 140196-01 140197-01 140334-01
140389-01 140402-01 140411-01 140677-01 140679-01 140774-03 140776-01
140794-01 140855-01 141006-01 141008-01 Requires: 125555-02 118731-01
118833-36 118918-24 119042-09 119254-41 119578-30 120011-14 120900-04
121133-02 126897-02 127127-11 127755-01 137137-09 138217-01 140796-01

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140899-01 141016-01 Incompatibles:'
PATCH_INFO_141444-09='Installed: Tue Aug 23 11:52:04 PDT 2011 From:
host3 Obsoletes: 119143-02 120807-01 122754-01 123402-01 124924-01
125915-01 126266-01 126421-02 128004-01 128304-04 128306-05 128328-01
128334-01 128491-01 137021-03 137121-06 137129-06 137141-01 137289-02
137292-01 138044-02 138083-01 138104-01 138130-01 138174-04 138255-03
138269-02 138392-01 138625-02 138629-01 139386-02 139462-02 139464-01
139490-01 139881-01 139928-03 139956-01 139964-03 139973-01 139974-03
139977-07 139982-04 139985-02 139991-03 139993-03 139996-02 140150-01
140338-01 140408-01 140589-02 140916-02 140919-04 141028-01 141057-01
141414-10 141494-01 141510-03 141520-01 141524-03 141530-01 141538-01
141540-01 141546-01 141554-01 141556-01 141560-02 141690-02 141692-01
141694-02 141715-03 141721-03 141729-01 141731-01 141733-04 141736-05
141742-04 141743-04 141767-01 141770-01 141771-01 141775-01 141777-01
141781-02 141892-01 141894-01 141902-02 141908-01 141918-01 141920-03
141934-01 142004-01 142013-01 142051-01 142056-02 142246-01 142284-01
142479-01 142483-01 142489-01 Requires: 118833-36 118918-24 119042-09
119254-41 119578-30 120011-14 120900-04 121133-02 121901-01 121921-02
125503-02 126540-02 126897-02 127127-11 127755-01 137137-09 139555-08
142292-01 Incompatibles:'
PATCH_INFO_142332-03='Installed: Tue Aug 23 11:52:54 PDT 2011 From:
host3 Obsoletes: 142007-01 Requires: 120011-14 127127-11 137137-09
139555-08 Incompatibles:'
PATCH_INFO_142394-01='Installed: Tue Aug 23 11:53:03 PDT 2011 From:
host3 Obsoletes: 141059-01 Requires: 118833-36 120011-14 127127-11
139555-08 Incompatibles:'
PATCH_INFO_142909-17='Installed: Tue Aug 23 11:53:33 PDT 2011 From:
host3 Obsoletes: 118814-01 120038-01 120816-01 121128-01 121394-03
122085-01 123194-01 123271-01 123332-02 123334-05 125022-01 125108-02
125174-02 125200-01 125201-01 125808-01 125896-03 126308-01 126428-01
127723-01 127759-03 127762-01 127882-03 128032-01 128324-02 128346-01
136891-02 137017-03 137028-01 137123-03 137133-01 137291-01 138046-02
138081-01 138098-01 138112-01 138116-01 138118-01 138120-01 138157-01
138169-01 138223-03 138263-03 138283-05 138318-03 138324-03 138375-01
138381-01 138411-01 138627-07 138644-01 138764-02 138848-02 138858-01
138870-01 138872-02 138874-05 139390-01 139468-01 139487-01 139503-01
139504-01 139508-01 139509-02 139514-01 139553-01 139568-01 139935-01
139941-01 139943-01 139945-03 139946-01 139948-01 139949-01 139958-01
139970-01 139971-01 139975-03 139983-04 140003-03 140078-01 140144-01
140146-01 140151-02 140157-03 140165-01 140167-01 140169-01 140175-01
140192-01 140386-04 140391-03 140395-01 140397-11 140401-01 140413-01
140557-01 140559-01 140562-02 140681-02 140788-01 140917-02 141012-01
141022-02 141026-14 141030-10 141034-02 141054-01 141536-01 141542-01
141544-01 141550-02 141562-02 141723-02 141740-01 141773-01 141780-01
141899-03 141906-01 141914-02 141922-02 142005-01 142055-03 142236-02
142242-05 142245-02 142247-01 142249-01 142257-05 142259-07 142263-01
142290-01 142330-01 142346-02 142390-03 142436-08 142481-01 142528-01
142539-01 142541-01 142675-01 142900-15 143051-01 143052-02 143054-01
143117-01 143119-02 143120-03 143122-02 143125-02 143128-05 143131-08
143135-03 143137-04 143350-05 143352-01 143354-03 143356-01 143357-05
143359-02 143360-01 143515-01 143519-01 143521-02 143523-04 143528-01
143556-04 143558-01 143565-01 143569-04 143574-01 143576-03 143583-02
143585-01 143586-02 143590-01 143595-01 143597-02 143603-01 143605-01
143607-01 143611-01 143613-01 143623-01 143895-01 143897-03 143899-01
143903-01 143905-01 143907-01 143909-06 143911-01 143920-02 143927-02
143933-01 143935-01 143943-01 144015-01 144017-01 144019-01 144021-01

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144023-01 144043-01 144045-02 144049-01 144051-03 144056-01 144110-01
144182-01 144258-01 144369-01 144373-01 144389-01 144453-01 144494-01
144511-01 144624-01 144761-01 145024-01 145049-01 145051-01 145102-01
145103-01 Requires: 118731-01 118833-36 118918-24 119042-09 119578-30
120011-14 120900-04 121133-02 121901-01 126540-02 126897-02 127127-11
127755-01 137137-09 139555-08 141444-09 142911-01 142933-02
Incompatibles: '
PATCH_INFO_144500-19='Installed: Tue Aug 23 11:55:28 PDT 2011 From:
host3 Obsoletes: 118735-02 118842-01 120044-01 120061-02 120085-02
120994-01 121559-01 122183-03 122408-01 123319-01 123908-02 124237-01
125167-01 125171-02 125414-01 125549-01 126258-03 126260-02 126319-01
126655-02 126896-01 127737-02 127998-01 128000-01 128326-01 136889-01
136892-01 138079-01 138085-01 138087-01 138089-01 138128-01 138239-01
138261-03 138291-01 138293-01 138320-02 138371-06 138373-02 138377-01
138383-01 138387-01 138634-01 138880-02 139478-01 139485-02 139959-04
140074-09 140161-01 140163-01 140190-01 140387-02 140399-03 140683-01
140784-01 140921-02 141010-01 141020-03 141024-01 141052-02 141500-08
141502-02 141506-10 141508-02 141534-01 141686-01 141738-01 142046-04
142238-02 142342-01 142542-01 143140-04 143559-10 143561-10 143571-02
143575-01 143592-09 144053-05 144055-01 144184-02 144254-01 144256-01
144302-01 144311-03 144313-01 144315-01 144367-02 144382-01 144384-02
144459-01 144488-17 144490-01 144508-02 144521-01 144530-01 144532-01
144536-02 144542-06 144548-01 144550-01 144552-01 144554-01 144561-02
144563-02 144565-05 144567-02 144571-02 144573-01 144574-06 144748-02
144754-01 144759-02 144874-01 144903-02 145021-01 145042-03 145046-01
145047-01 145107-02 145124-02 145788-03 145792-01 145794-01 145796-02
145798-08 145868-05 145870-01 145885-01 145887-01 145889-03 145893-02
145895-05 145897-01 145901-01 145907-02 145913-01 145915-01 145927-02
145933-02 145939-01 145941-02 145944-01 145961-02 145963-01 146017-04
146018-03 146019-02 146021-02 146023-01 146028-05 146030-01 146058-02
146062-02 146064-01 146066-02 146069-04 146070-01 146073-01 146132-01
146230-01 146277-01 146287-01 146327-01 146328-02 146336-03 146440-01
146442-01 146443-01 146447-02 146449-01 146478-01 146482-01 146484-01
146570-02 146584-01 146677-01 146701-01 146778-02 146802-03 146804-01
146842-01 146846-01 146855-01 146857-01 147053-01 147182-01 Requires:
118833-36 118918-24 119042-09 119254-41 119578-30 120011-14 121901-01
125891-01 126897-02 127127-11 127755-01 137137-09 139555-08 141444-09
142909-17 142933-03 144526-01 147061-01 Incompatibles: '
PATCH_INFO_144534-02='Installed: Tue Aug 23 11:56:05 PDT 2011 From:
host3 Obsoletes: Requires: 118833-36 120011-14 127127-11 137137-09
139555-08 141444-09 142909-17 Incompatibles: '
PATCH_INFO_145204-01='Installed: Tue Aug 23 11:56:53 PDT 2011 From:
host3 Obsoletes: Requires: 120011-14 127127-11 Incompatibles: '
PATCH_INFO_145919-02='Installed: Tue Aug 23 11:57:17 PDT 2011 From:
host3 Obsoletes: Requires: 118833-36 120011-14 139555-08 Incompatibles: '
PATCH_INFO_145940-01='Installed: Tue Aug 23 11:57:29 PDT 2011 From:
host3 Obsoletes: Requires: 118833-36 120011-14 127127-11 137137-09
141444-09 142909-17 Incompatibles: '
PATCH_INFO_146060-01='Installed: Tue Aug 23 11:57:43 PDT 2011 From:
host3 Obsoletes: Requires: 118833-36 137137-09 142909-17 Incompatibles: '
PATCH_INFO_146236-02='Installed: Tue Aug 23 11:57:53 PDT 2011 From:
host3 Obsoletes: Requires: 137137-09 Incompatibles: '
PATCH_INFO_146283-01='Installed: Tue Aug 23 11:57:55 PDT 2011 From:
host3 Obsoletes: Requires: 118833-36 137137-09 142909-17 Incompatibles: '
PATCH_INFO_146652-01='Installed: Tue Aug 23 11:58:24 PDT 2011 From:
host3 Obsoletes: Requires: 120011-14 139555-08 Incompatibles: '

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PATCH_INFO_146834-01='Installed: Tue Aug 23 11:58:49 PDT 2011 From:
host3 Obsoletes: 125911-01 126262-01 Requires: 118833-36 120011-14
127127-11 137137-09 139555-08 142909-17 Incompatibles:'
PATCH_INFO_147192-01='Installed: Tue Aug 23 11:59:11 PDT 2011 From:
host3 Obsoletes: Requires: 118833-36 137137-09 141444-09 Incompatibles:'
PATCH_INFO_147440-01='Installed: Tue Aug 23 11:59:20 PDT 2011 From:
host3 Obsoletes: Requires: 118833-36 120011-14 125555-10 127127-11
137137-09 139555-08 141444-09 142909-17 144500-19 142933-04
Incompatibles:'
PATCH_INFO_121778-12='Installed: Tue Aug 23 12:36:17 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_121780-12='Installed: Tue Aug 23 12:36:26 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_123259-12='Installed: Tue Aug 23 12:36:44 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_125095-15='Installed: Tue Aug 23 12:39:30 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_125888-01='Installed: Tue Aug 23 12:52:05 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_138287-07='Installed: Tue Aug 23 12:54:57 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_138289-07='Installed: Tue Aug 23 13:07:30 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800111-04='Installed: Tue Aug 23 13:11:07 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800113-04='Installed: Tue Aug 23 13:25:04 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800120-08='Installed: Tue Aug 23 13:27:40 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800122-08='Installed: Tue Aug 23 13:43:20 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800151-15='Installed: Tue Aug 23 13:46:49 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800153-15='Installed: Tue Aug 23 14:02:39 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800200-15='Installed: Tue Aug 23 14:41:19 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800202-16='Installed: Tue Aug 23 14:57:45 PDT 2011 From:
host3 Obsoletes: Requires: Incompatibles:'
INSTDATE='Jun 13 2012 04:24'
UPDATE='yes'
PATCH_UNCONDITIONAL='false'
PATCH_NO_UNDO='true'
PATCH_BUILD_DIR='none'
PATCH_UNDO_ARCHIVE='none'
INTERRUPTION='no'
PATCH_INFO_144524-02='Installed: Wed Jun 13 04:20:01 UTC 2012 From: host
Obsoletes: Requires: 118833-36 120011-14 127127-11 137137-09 139555-08
141444-09 142909-17 144500-19 Incompatibles:'
SCRIPTS_DIR='/tmp/patch_sol_set/10_Recommended/11282011/patches/147440-12/'
Wed Jun 13 04:23:49 UTC 2012 From: host Obsoletes: Requires: 118833-36
118918-24 120011-14 127127-11 137137-09 139555-08 141444-09 142909-17
144500-19 Incompatibles:'
ACTIVE_OBSOLETEES='125804-01 125902-02 137276-01 140383-01 140563-03
141590-02 141765-01 143941-02 144534-02 146279-01 146281-01 146283-01
146294-03 146320-03 146322-01 146575-03 146767-02 147012-02 147157-02

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147258-01 147268-01 147436-01 147699-01 147701-01 147713-01 147770-01
148229-01'
PATCH_INFO_147440-12='Installed: Wed Jun 13 04:24:58 UTC 2012 From: host
Obsoletes: 125804-01 125902-02 137276-01 140383-01 140563-03 141590-02
141765-01 143941-02 144534-02 146279-01 146281-01 146283-01 146294-03
146320-03 146322-01 146575-03 146767-02 147012-02 147157-02 147258-01
147268-01 147436-01 147699-01 147701-01 147713-01 147770-01 148229-01
Requires: 118833-36 120011-14 121133-02 125555-10 127127-11 137137-09
139555-08 141444-09 142909-17 142933-04 144500-19 Incompatibles:'
-- Exit status: 0
present.
Checking pkg SUNWbzip... present.
Checking pkg SUNWpkgcmds... present.
RECOMMENDED 2013.02.19 is already present.
Checking MYSQL_MARKER 1.1 ...
Checking pkg SUNWcomms-mysql-marker... not present.
MYSQL_MARKER 1.1 is not present.
Checking MYSQL_MARKER 1.0 ...
Checking pkg SUNWcomms-mysql-marker... not present.
MYSQL_MARKER 1.0 is not present.
Checking MYSQL 5.5.8 ...
Checking pkg mysql... not present.
MYSQL 5.5.8 is not present.
Checking MYSQL 5.1.36 ...
Checking pkg mysql... not present.
MYSQL 5.1.36 is not present.
Checking ST 1.1.4 ...
Checking pkg SUNWservicetagr...pkgparam -v SUNWservicetagr 2>&1
CLASSES='none rbac manifest services'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:09'
PKGSAB=' /var/sadm/pkg/SUNWservicetagr/save'
PKGINST='SUNWservicetagr'
OSREL='5.10'
OSROOT='/opt/CNSREbuild/src/servicetags/release/rel_114-01/servicetags/prot
contact your local service provider'
VENDOR='Sun Microsystems, Inc.'
SUNW_PKGTYPE='root'
CATEGORY='system'
VERSION='1.1.4,REV=2008.03.21.07.54'
ARCH='sparc'
DESC='Service Tags Agent'
NAME='Service Tags (root)'
PKG='SUNWservicetagr'
SUNW_PKGVERS='1.0'
SUNW_PRODVERS='1.1.4.1'
SUNW_PRODNAME='Service Tags (root)'
PSTAMP='sparc(re-s10-s01)Fri Mar 21 07:54:10 MDT 2008'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''

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LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWservicetagu...pkgparam -v SUNWservicetagu 2>&1
CLASSES='none rbac'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:09'
PKGSAB=' /var/sadm/pkg/SUNWservicetagu/save'
PKGINST='SUNWservicetagu'
OSREL='5.10'
OSROOT='/opt/CNSREbuild/src/servicetags/release/rel_114-01/servicetags/prot
contact your local service provider'
VENDOR='Sun Microsystems, Inc.'
SUNW_PKGTYPE='usr'
CATEGORY='system'
VERSION='1.1.4,REV=2008.03.21.07.54'
ARCH='sparc'
DESC='Service Tags Agent'
NAME='Service Tags (Usr)'
PKG='SUNWservicetagu'
SUNW_PKGVERS='1.0'
SUNW_PRODVERS='1.1.4.1'
SUNW_PRODNAME='Service Tags (Usr)'
PSTAMP='sparc(re-s10-s01)Fri Mar 21 07:54:08 MDT 2008'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWstosreg...pkgparam -v SUNWstosreg 2>&1
CLASSES='none manifest'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:09'
PKGSAB=' /var/sadm/pkg/SUNWstosreg/save'
PKGINST='SUNWstosreg'
OSREL='5.10'
OSROOT='/opt/CNSREbuild/src/servicetags/release/rel_114-01/servicetags/prot
contact your local service provider'
VENDOR='Sun Microsystems, Inc.'
SUNW_PKGTYPE='root'
CATEGORY='system'
VERSION='1.1.4,REV=2008.03.21.07.54'
ARCH='sparc'
DESC='Service Tags Solaris OS Registration'
NAME='Service Tags Solaris OS Registration'
PKG='SUNWstosreg'

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SUNW_PKGVERS='1.0'
SUNW_PRODVERS='1.1.4.1'
SUNW_PRODNAME='Service Tags Solaris OS Registration'
PSTAMP='sparc(re-s10-s01)Fri Mar 21 07:54:11 MDT 2008'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
ST 1.1.4 is already present.
Checking NSS 4.8.9 ...
Checking pkg SUNWpr...pkgparam -v SUNWpr 2>&1
CLASSES='none'
BASEDIR='/'
SCRIPTS_DIR='/export/lim/work/msg_next/msg/test/ci_retrofit/ci/SunOS_sparc/
Thu Sep 5 23:52:59 PDT 2013 From: host Obsoletes: Requires:
Incompatibles:'
INTERRUPTION='no'
PATCH_UNDO_ARCHIVE='none'
PATCH_BUILD_DIR='none'
PATCH_NO_UNDO='false'
PATCH_UNCONDITIONAL='false'
UPDATE='yes'
PATCHLIST='125358-16 125358-17'
PATCH_INFO_125358-16='Installed: Sat Jun 1 17:59:57 PDT 2013 From: host4
Obsoletes: Requires: Incompatibles:'
INSTDATE='Sep 05 2013 23:52'
PKGSABV='/var/sadm/pkg/SUNWpr/save'
PKGINST='SUNWpr'
PSTAMP='host420130821035637'
SUNW_PATCHID='125358-17'
SUNW_PKGVERS='1.0'
EMAIL=''
HOTLINE='Please contact your local service provider'
VENDOR='Sun Microsystems, Inc.'
DESC='Netscape Portable Runtime Interface'
CATEGORY='system'
MAXINST='1000'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.9.5'
SUNW_PRODNAME='Netscape Portable Runtime'
VERSION='4.6.4,REV=2006.11.16.20.40'
ARCH='sparc'
NAME='Netscape Portable Runtime'
PKG='SUNWpr'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'

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PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWprd...pkgparam -v SUNWprd 2>&1
CLASSES='none'
BASEDIR='/'
SCRIPTS_DIR='/export/lim/work/msg_next/msg/test/ci_retrofit/ci/SunOS_sparc/
Thu Sep 5 23:53:01 PDT 2013 From: host Obsoletes: Requires:
Incompatibles:'
INTERRUPTION='no'
PATCH_UNDO_ARCHIVE='none'
PATCH_BUILD_DIR='none'
PATCH_NO_UNDO='false'
PATCH_UNCONDITIONAL='false'
UPDATE='yes'
PATCHLIST='125358-16 125358-17'
PATCH_INFO_125358-16='Installed: Sat Jun 1 17:59:57 PDT 2013 From: host4
Obsoletes: Requires: Incompatibles:'
INSTDATE='Sep 05 2013 23:53'
PKGSAB=' /var/sadm/pkg/SUNWprd/save'
PKGINST='SUNWprd'
PSTAMP='host420130821035737'
SUNW_PATCHID='125358-17'
SUNW_PKGVERS='1.0'
EMAIL=''
HOTLINE='Please contact your local service provider'
VENDOR='Sun Microsystems, Inc.'
DESC='Netscape Portable Runtime Interface Files for Development'
CATEGORY='system'
MAXINST='1000'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.9.5'
SUNW_PRODNAME='Netscape Portable Runtime Development'
VERSION='4.6.4,REV=2006.11.16.20.40'
ARCH='sparc'
NAME='Netscape Portable Runtime Development'
PKG='SUNWprd'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''

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LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWtls...pkgparam -v SUNWtls 2>&1
CLASSES='none'
BASEDIR='/'
SCRIPTS_DIR='/export/lim/work/msg_next/msg/test/ci_retrofit/ci/SunOS_sparc/
Thu Sep 5 23:53:06 PDT 2013 From: host Obsoletes: Requires:
Incompatibles:'
INTERRUPTION='no'
PATCH_UNDO_ARCHIVE='none'
PATCH_BUILD_DIR='none'
PATCH_NO_UNDO='false'
PATCH_UNCONDITIONAL='false'
UPDATE='yes'
PATCHLIST='125358-16 125358-17'
PATCH_INFO_125358-16='Installed: Sat Jun 1 17:59:58 PDT 2013 From: host4
Obsoletes: Requires: Incompatibles:'
INSTDATE='Sep 05 2013 23:53'
PKGSAB=' /var/sadm/pkg/SUNWtls/save'
PKGINST='SUNWtls'
PSTAMP='host420130821035821'
SUNW_PATCHID='125358-17'
SUNW_PKGVERS='1.0'
EMAIL=''
HOTLINE='Please contact your local service provider'
VENDOR='Sun Microsystems, Inc.'
DESC='Network Security Services'
CATEGORY='system'
MAXINST='1000'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='3.14.3'
SUNW_PRODNAME='Network Security Services'
VERSION='3.11.4,REV=2006.11.16.20.40'
ARCH='sparc'
NAME='Network Security Services'
PKG='SUNWtls'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0

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present.
Checking pkg SUNWtlsd...pkgparam -v SUNWtlsd 2>&1
CLASSES='none'
BASEDIR='/'
SCRIPTS_DIR='/export/lim/work/msg_next/msg/test/ci_retrofit/ci/SunOS_sparc
Thu Sep 5 23:53:12 PDT 2013 From: host Obsoletes: Requires:
Incompatibles:'
INTERRUPTION='no'
PATCH_UNDO_ARCHIVE='none'
PATCH_BUILD_DIR='none'
PATCH_NO_UNDO='false'
PATCH_UNCONDITIONAL='false'
UPDATE='yes'
PATCHLIST='125358-16 125358-17'
PATCH_INFO_125358-16='Installed: Sat Jun 1 17:59:58 PDT 2013 From: host4
Obsoletes: Requires: Incompatibles:'
INSTDATE='Sep 05 2013 23:53'
PKGSABV='/var/sadm/pkg/SUNWtlsd/save'
PKGINST='SUNWtlsd'
PSTAMP='host420130821040205'
SUNW_PATCHID='125358-17'
SUNW_PKGVERS='1.0'
EMAIL=''
HOTLINE='Please contact your local service provider'
VENDOR='Sun Microsystems, Inc.'
DESC='Network Security Services Files for Development'
CATEGORY='system'
MAXINST='1000'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='3.14.3'
SUNW_PRODNAME='Network Security Services Development'
VERSION='3.11.4,REV=2006.11.16.20.40'
ARCH='sparc'
NAME='Network Security Services Development'
PKG='SUNWtlsd'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWtlsu...pkgparam -v SUNWtlsu 2>&1
CLASSES='none'
BASEDIR='/'
SCRIPTS_DIR='/export/lim/work/msg_next/msg/test/ci_retrofit/ci/SunOS_sparc
Thu Sep 5 23:53:19 PDT 2013 From: host Obsoletes: Requires:

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Incompatibles: '
INTERRUPTION='no'
PATCH_UNDO_ARCHIVE='none'
PATCH_BUILD_DIR='none'
PATCH_NO_UNDO='false'
PATCH_UNCONDITIONAL='false'
UPDATE='yes'
PATCHLIST='125358-16 125358-17'
PATCH_INFO_125358-16='Installed: Sat Jun 1 18:00:01 PDT 2013 From: host4
Obsoletes: Requires: Incompatibles: '
INSTDATE='Sep 05 2013 23:53'
PKGSAB=' /var/sadm/pkg/SUNWtlsu/save '
PKGINST='SUNWtlsu'
PSTAMP='host420130821040102'
SUNW_PATCHID='125358-17'
SUNW_PKGVERS='1.0'
EMAIL=''
HOTLINE='Please contact your local service provider'
VENDOR='Sun Microsystems, Inc.'
DESC='Network Security Services'
CATEGORY='system'
MAXINST='1000'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='3.14.3'
SUNW_PRODNAME='Network Security Services Tools'
VERSION='3.11.4,REV=2006.11.16.20.40'
ARCH='sparc'
NAME='Network Security Services Tools'
PKG='SUNWtlsu'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWjss...pkgparam -v SUNWjss 2>&1
CLASSES='none'
BASEDIR='/'
SCRIPTS_DIR='/export/lim/work/msg_next/msg/test/ci_retrofit/ci/SunOS_sparc/
Thu Sep 5 23:52:56 PDT 2013 From: host Obsoletes: Requires:
Incompatibles: '
INTERRUPTION='no'
PATCH_UNDO_ARCHIVE='none'
PATCH_BUILD_DIR='none'
PATCH_NO_UNDO='false'
PATCH_UNCONDITIONAL='false'

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UPDATE='yes'
PATCHLIST='125358-16 125358-17'
PATCH_INFO_125358-16='Installed: Sat Jun 1 17:59:56 PDT 2013 From: host4
Obsoletes: Requires: Incompatibles:'
INSTDATE='Sep 05 2013 23:52'
PKGSAB=' /var/sadm/pkg/SUNWjss/save'
PKGINST='SUNWjss'
PSTAMP='host420130821040319'
SUNW_PATCHID='125358-17'
SUNW_PKGVERS='1.0'
EMAIL=''
HOTLINE='Please contact your local service provider'
VENDOR='Sun Microsystems, Inc.'
DESC='Network Security Services for Java (JSS)'
CATEGORY='system'
MAXINST='1000'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.3.2'
SUNW_PRODNAME='Network Security Services for Java (JSS)'
VERSION='4.2.4,REV=2006.11.16.20.40'
ARCH='sparc'
NAME='Network Security Services for Java (JSS)'
PKG='SUNWjss'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
NSS 4.8.9 is already present.
Checking SASL 2.19 ...
Checking pkg SUNWsas1...pkgparam -v SUNWsas1 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Oct 25 2013 18:42'
PKGSAB=' /var/sadm/pkg/SUNWsas1/save'
PKGINST='SUNWsas1'
PATCH_INFO_119345-08='Installed: Wed Oct 6 10:42:54 PDT 2010 From: host4
Obsoletes: Requires: Incompatibles:'
PATCHLIST='119345-08'
SUNW_PRODVERS='2.19'
SUNW_PRODNAME='SASL'
SUNW_PATCH_PROPERTIES=''
PSTAMP='host420101006104253'
VERSION='2.17,REV=2004.04.06.15.24'
VENDOR='Sun Microsystems, Inc.'

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SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWsas1'
NAME='SASL'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Simple Authentication and Security Layer'
CATEGORY='system'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
SASL 2.19 is already present.
Checking LDAPSDK6 6.0 ...
Checking pkg SUNWldapcsdk-libs...pkgparam -v SUNWldapcsdk-libs 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Oct 25 2013 18:42'
PKGSABV='/var/sadm/pkg/SUNWldapcsdk-libs/save'
PKGINST='SUNWldapcsdk-libs'
PATCH_INFO_145084-01='Installed: Tuesday, June 8, 2010 6:04:59 PM MEST
From: zedmil Obsolete: Requires: Incompatibles:'
PATCH_INFO_136798-03='Installed: Tuesday, June 8, 2010 6:04:56 PM MEST
From: zedmil Obsolete: Requires: Incompatibles:'
PATCHLIST='136798-03 145084-01'
PSTAMP='tagada20100608172022'
VERSION='6.00,REV=2006.12.11.00.08'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODVERS='6.03'
SUNW_PRODNAME='Sun LDAP C SDK Libraries'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWldapcsdk-libs'
NAME='Sun LDAP C SDK Libraries'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun LDAP C SDK Libraries'
CATEGORY='system'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''

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LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWldapcsdk-dev...pkgparam -v SUNWldapcsdk-dev 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Oct 25 2013 18:42'
PKGSAB=' /var/sadm/pkg/SUNWldapcsdk-dev/save'
PKGINST='SUNWldapcsdk-dev'
PATCH_INFO_145084-01='Installed: Tuesday, June 8, 2010 6:04:58 PM MEST
From: zedmil Obsoles: Requires: Incompatibles:'
PATCH_INFO_136798-03='Installed: Tuesday, June 8, 2010 6:04:56 PM MEST
From: zedmil Obsoles: Requires: Incompatibles:'
PATCHLIST='136798-03 145084-01'
PSTAMP='tagada20100608172029'
VERSION='6.00,REV=2006.12.11.00.08'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODVERS='6.03'
SUNW_PRODNAME='Sun LDAP C SDK Development'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWldapcsdk-dev'
NAME='Sun LDAP C SDK Development'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun LDAP C SDK Development'
CATEGORY='system'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
LDAPCSK6 6.0 is already present.
Checking LDAPCSK6_TOOLS 6.0 ...
Checking pkg SUNWldapcsdk-tools...pkgparam -v SUNWldapcsdk-tools 2>&1
CLASSES='none'
BASEDIR='/opt/SUNWdsee'
INSTDATE='Oct 25 2013 18:42'
PKGSAB=' /var/sadm/pkg/SUNWldapcsdk-tools/save'
PKGINST='SUNWldapcsdk-tools'
PATCH_INFO_145084-01='Installed: Tuesday, June 8, 2010 6:04:59 PM MEST

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From: zedmil Obsoletes: Requires: Incompatibles:
PATCH_INFO_136798-03='Installed: Tuesday, June 8, 2010 6:04:57 PM MEST
From: zedmil Obsoletes: Requires: Incompatibles:
PATCHLIST='136798-03 145084-01'
PSTAMP='tagada20100608172026'
VERSION='6.00,REV=2006.12.11.00.08'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODVERS='6.03'
SUNW_PRODNAME='Sun LDAP C SDK Tools'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE=''
PKG='SUNWldapcsdk-tools'
NAME='Sun LDAP C SDK Tools'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun LDAP C SDK Tools'
CATEGORY='system'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
LDAPCSKD6_TOOLS 6.0 is already present.
Checking ICU ICU2,ICU3 ...
Checking pkg SUNWicu...pkgparam -v SUNWicu 2>&1
CLASSES='none'
BASEDIR='/usr'
SCRIPTS_DIR='/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122,
Fri Oct 25 18:43:40 PDT 2013 From: host Obsoletes: Requires:
Incompatibles:
INTERRUPTION='no'
PATCH_UNDO_ARCHIVE='none'
PATCH_BUILD_DIR='none'
PATCH_NO_UNDO='false'
PATCH_UNCONDITIONAL='false'
UPDATE='yes'
PATCHLIST='119810-05 119810-07'
PATCH_INFO_119810-05='Installed: Tue Apr 29 20:19:06 PDT 2008 From:
elfgrass Obsoletes: Requires: Incompatibles:
INSTDATE='Oct 25 2013 18:43'
PKGSAB=' /var/sadm/pkg/SUNWicu/save'
PKGINST='SUNWicu'
SUNW_PATCHID='119810-07'
ARCH='sparc'
VERSION='1.2,REV=2005.01.06.14.13'
PSTAMP=''

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SUNW_PKGTYPE='usr'
SUNW_PKGVERS='1.0'
MAXINST='1000'
EMAIL=''
HOTLINE='Please contact your local service provider'
VENDOR='Sun Microsystems, Inc.'
DESC='International Components for Unicode User Files'
SUNW_PRODVERS='10/Generic'
SUNW_PRODNAME='International Components for Unicode User Files'
CATEGORY='system'
NAME='International Components for Unicode User Files'
PKG='SUNWicu'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
ICU ICU2,ICU3 is already present.
Checking JDK 1.6.0 ...
Checking pkg SUNWj6rt...pkgparam -v SUNWj6rt 2>&1
CLASSES='none'
BASEDIR='/usr'
INSTDATE='Nov 06 2013 01:09'
PKGSABV='/var/sadm/pkg/SUNWj6rt/save'
PKGINST='SUNWj6rt'
PATCH_INFO_125136-28='Installed: Wed May 4 12:01:41 PDT 2011 From: mizu
Obsoletes: Requires: Incompatibles:'
PATCHLIST='125136-28'
SUNW_PRODVERS='1.6.0_26/1.6.0_26-b03'
PSTAMP='jdk-sol-sparc20110504063500'
NAME='JDK 6.0 Runtime Env. (1.6.0_26)'
VERSION='1.6.0,REV=2006.11.29.05.57'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='JDK 6.0'
SUNW_PKG_THISZONE='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWj6rt'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Java Platform virtual machine and core class libraries'
CATEGORY='system'

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ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWj6rtx...pkgparam -v SUNWj6rtx 2>&1
CLASSES='none'
BASEDIR='/usr'
INSTDATE='Nov 06 2013 01:09'
PKGSABV='/var/sadm/pkg/SUNWj6rtx/save'
PKGINST='SUNWj6rtx'
PATCH_INFO_125137-28='Installed: Wed May 4 12:01:28 PDT 2011 From: mizu
Obsoletes: Requires: Incompatibles:'
PATCHLIST='125137-28'
SUNW_PRODVERS='1.6.0_26/1.6.0_26-b03'
PSTAMP='j2se-build20110504060508'
NAME='JDK 6.0 64-bit Runtime Env. (1.6.0_26)'
VERSION='1.6.0,REV=2006.11.29.04.58'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='JDK 6.0'
SUNW_PKG_THISZONE='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWj6rtx'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Java Platform virtual machine and core class libraries (64 bit)'
CATEGORY='system'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWj6dev...pkgparam -v SUNWj6dev 2>&1
CLASSES='none'

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BASEDIR='/usr'
INSTDATE='Nov 06 2013 01:09'
PKGSAB='/var/sadm/pkg/SUNWj6dev/save'
PKGINST='SUNWj6dev'
PATCH_INFO_125136-28='Installed: Wed May 4 12:01:31 PDT 2011 From: mizu
Obsoletes: Requires: Incompatibles:'
PATCHLIST='125136-28'
SUNW_PRODVERS='1.6.0_26/1.6.0_26-b03'
PSTAMP='jdk-sol-sparc20110504063533'
NAME='JDK 6.0 Dev. Tools (1.6.0_26)'
VERSION='1.6.0,REV=2006.11.29.05.57'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='JDK 6.0'
SUNW_PKG_THISZONE='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWj6dev'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Java Platform development tools'
CATEGORY='system'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWj6dvx...pkgparam -v SUNWj6dvx 2>&1
CLASSES='none'
BASEDIR='/usr'
INSTDATE='Nov 06 2013 01:09'
PKGSAB='/var/sadm/pkg/SUNWj6dvx/save'
PKGINST='SUNWj6dvx'
PATCH_INFO_125137-28='Installed: Wed May 4 12:01:27 PDT 2011 From: mizu
Obsoletes: Requires: Incompatibles:'
PATCHLIST='125137-28'
SUNW_PRODVERS='1.6.0_26/1.6.0_26-b03'
PSTAMP='j2se-build20110504060513'
NAME='JDK 6.0 64-bit Dev. Tools (1.6.0_26)'
VERSION='1.6.0,REV=2006.11.29.04.58'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='JDK 6.0'
SUNW_PKG_THISZONE='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_ALLZONES='false'

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SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWj6dvx'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Java Platform development tools (64-bit)'
CATEGORY='system'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWj6cfg...pkgparam -v SUNWj6cfg 2>&1
CLASSES='none preserve'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:10'
PKGSABV='/var/sadm/pkg/SUNWj6cfg/save'
PKGINST='SUNWj6cfg'
PATCH_INFO_125136-28='Installed: Wed May 4 12:01:31 PDT 2011 From: mizu
Obsoletes: Requires: Incompatibles:'
PATCHLIST='125136-28'
SUNW_PRODVERS='1.6.0_26/1.6.0_26-b03'
PSTAMP='jdk-sol-sparc20110504063526'
NAME='JDK 6.0 Host Config. (1.6.0_26)'
VERSION='1.6.0,REV=2006.11.29.05.57'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='JDK 6.0'
SUNW_PKG_THISZONE='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='root'
PKG='SUNWj6cfg'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Java Platform host specific configuration'
CATEGORY='system'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''

```

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LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
JDK 1.6.0 is already present.
Checking JDK 1.5.0 ...
Checking pkg SUNWj5rt...pkgparam -v SUNWj5rt 2>&1
CLASSES='none'
BASEDIR='/usr'
INSTDATE='Feb 26 2013 14:05'
PKGSABV='/var/sadm/pkg/SUNWj5rt/save'
PKGINST='SUNWj5rt'
PATCH_INFO_118666-12='Installed: Mon Aug 20 17:51:13 PDT 2007 From: fern
Obsoletes: Requires: Incompatibles:'
PATCHLIST='118666-12'
SUNW_PRODVERS='1.5.0_12/1.5.0_12-b04'
PSTAMP='tiger-sparc20070502064448'
NAME='JDK 5.0 Runtime Env. (1.5.0_12)'
VERSION='1.5.0,REV=2004.12.07.00.07'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='JDK 5.0'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWj5rt'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Java Platform virtual machine and core class libraries'
CATEGORY='system'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWj5rtx...pkgparam -v SUNWj5rtx 2>&1
CLASSES='none'
BASEDIR='/usr'
INSTDATE='Feb 26 2013 14:05'
PKGSABV='/var/sadm/pkg/SUNWj5rtx/save'
PKGINST='SUNWj5rtx'
PATCH_INFO_118667-12='Installed: Mon Aug 20 17:51:23 PDT 2007 From: fern
Obsoletes: Requires: Incompatibles:'
PATCHLIST='118667-12'
SUNW_PRODVERS='1.5.0_12/1.5.0_12-b04'
PSTAMP='tiger-sparc20070502045321'

```



```

NAME='JDK 5.0 64-bit Runtime Env. (1.5.0_12)'
VERSION='1.5.0,REV=2004.12.06.22.09'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='JDK 5.0'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWj5rtx'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Java Platform virtual machine and core class libraries (64 bit)'
CATEGORY='system'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWj5cfg...pkgparam -v SUNWj5cfg 2>&1
CLASSES='none preserve'
BASEDIR='/'
INSTDATE='Feb 26 2013 14:05'
PKGSABV='/var/sadm/pkg/SUNWj5cfg/save'
PKGINST='SUNWj5cfg'
PATCH_INFO_118666-12='Installed: Mon Aug 20 17:50:34 PDT 2007 From: fern
Obsoletes: Requires: Incompatibles:'
PATCHLIST='118666-12'
SUNW_PRODVERS='1.5.0_12/1.5.0_12-b04'
PSTAMP='tiger-sparc20070502064511'
NAME='JDK 5.0 Host Config. (1.5.0_12)'
VERSION='1.5.0,REV=2004.12.07.00.07'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='JDK 5.0'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='root'
PKG='SUNWj5cfg'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Java Platform host specific configuration'
CATEGORY='system'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''

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LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
JDK 1.5.0 is already present.
Checking JHRT 2.0 ...
Checking pkg SUNWjhrt...pkgparam -v SUNWjhrt 2>&1
CLASSES='none j3link j5link j6link'
BASEDIR='/usr'
INSTDATE='Nov 06 2013 01:10'
PKGSAB=' /var/sadm/pkg/SUNWjhrt/save'
PKGINST='SUNWjhrt'
PSTAMP='mizu20061004154147'
EMAIL=''
HOTLINE='Please contact your local service provider'
VENDOR='Sun Microsystems, Inc.'
DESC='JavaHelp graphical help runtime'
SUNW_PKGVERS='1.0'
CATEGORY='application,java'
MAXINST='1000'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='2.0/FCS'
SUNW_PRODNAME='JavaHelp 2.0'
VERSION='2.0,REV=2006.10.31'
ARCH='all'
NAME='JavaHelp Runtime'
PKG='SUNWjhrt'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWjhdev...pkgparam -v SUNWjhdev 2>&1
CLASSES='none j3link j5link j6link'
BASEDIR='/usr'
INSTDATE='Nov 06 2013 01:10'
PKGSAB=' /var/sadm/pkg/SUNWjhdev/save'
PKGINST='SUNWjhdev'
PSTAMP='mizu20061004154149'
EMAIL=''
HOTLINE='Please contact your local service provider'
VENDOR='Sun Microsystems, Inc.'
DESC='JavaHelp graphical help developer toolkit'
SUNW_PKGVERS='1.0'
CATEGORY='application,java'

```

```

MAXINST='1000'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='2.0/FCS'
SUNW_PRODNAME='JavaHelp 2.0'
VERSION='2.0,REV=2006.10.04'
ARCH='all'
NAME='JavaHelp Development Utilities'
PKG='SUNWjhdev'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWjhdem...pkgparam -v SUNWjhdem 2>&1
CLASSES='none'
BASEDIR='/usr'
INSTDATE='Nov 06 2013 01:10'
PKGSABV='/var/sadm/pkg/SUNWjhdem/save'
PKGINST='SUNWjhdem'
PSTAMP='mizu20061004154151'
EMAIL=''
HOTLINE='Please contact your local service provider'
VENDOR='Sun Microsystems, Inc.'
DESC='JavaHelp graphical help demos'
SUNW_PKGVERS='1.0'
CATEGORY='application,java'
MAXINST='1000'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='2.0/FCS'
SUNW_PRODNAME='JavaHelp 2.0'
VERSION='2.0,REV=2006.10.04'
ARCH='all'
NAME='JavaHelp Demos'
PKG='SUNWjhdem'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWjhdoc...pkgparam -v SUNWjhdoc 2>&1

```

```

CLASSES='none link'
BASEDIR='/usr'
INSTDATE='Nov 06 2013 01:10'
PKGSAB=' /var/sadm/pkg/SUNWjhd/doc/save'
PKGINST='SUNWjhd/doc'
PSTAMP='mizu20061004154153'
EMAIL=''
HOTLINE='Please contact your local service provider'
VENDOR='Sun Microsystems, Inc.'
DESC='JavaHelp graphical help documentation'
SUNW_PKGVERS='1.0'
CATEGORY='application,java'
MAXINST='1000'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='2.0/FCS'
SUNW_PRODNAME='JavaHelp 2.0'
VERSION='2.0,REV=2006.10.04'
ARCH='all'
NAME='JavaHelp Documentation'
PKG='SUNWjhd/doc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
JHRT 2.0 is already present.
Checking MQ 4.4 ...
Checking pkg SUNWiqr...pkgparam -v SUNWiqr 2>&1
CLASSES='none initd preserve'
BASEDIR='/'
INSTDATE='May 05 2014 11:40'
UPDATE='yes'
PKGSAB=' /var/sadm/pkg/SUNWiqr/save'
PKGINST='SUNWiqr'
PATCH_INFO_142846-01='Installed: Thu Nov 19 00:24:52 PST 2009 From:
icdev Obsoletes: Requires: Incompatibles:'
PATCHLIST='142846-01'
SUNW_PRODVERS='4.4.1.0'
PSTAMP='icdev20091119002117'
VERSION='4.4,REV=2009.08.27.08.32'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKG_THISZONES='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='root'
PKG='SUNWiqr'

```

```

NAME='Sun GlassFish(tm) Message Queue Root Package'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue Root Package'
CATEGORY='application'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWiqu...pkgparam -v SUNWiqu 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='May 05 2014 11:40'
PKGSABV='/var/sadm/pkg/SUNWiqu/save'
PKGINST='SUNWiqu'
PATCH_INFO_142846-01='Installed: Thu Nov 19 00:24:53 PST 2009 From:
icdev Obsoletes: Requires: Incompatibles:'
PATCHLIST='142846-01'
SUNW_PRODVERS='4.4.1.0'
PSTAMP='icdev20091119002055'
VERSION='4.4,REV=2009.08.27.08.32'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKG_THISZONES='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWiqu'
NAME='Sun GlassFish(tm) Message Queue /usr Package'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue /usr Package'
CATEGORY='application'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''

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LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWiqdoc...pkgparam -v SUNWiqdoc 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='May 05 2014 11:40'
PKGSABV='/var/sadm/pkg/SUNWiqdoc/save'
PKGINST='SUNWiqdoc'
PSTAMP='icdev20090827083233'
DESC='Sun GlassFish(tm) Message Queue Javadoc and Examples'
HOTLINE='Please contact your local service provider'
EMAIL=''
SUNW_PKG_THISZONES='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.0.0'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
MAXINST='1000'
VENDOR='Sun Microsystems, Inc.'
CATEGORY='application'
VERSION='4.4,REV=2009.08.27.08.32'
ARCH='sparc'
NAME='Sun GlassFish(tm) Message Queue Javadoc and Examples'
PKG='SUNWiqdoc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWiquc...pkgparam -v SUNWiquc 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='May 05 2014 11:40'
PKGSABV='/var/sadm/pkg/SUNWiquc/save'
PKGINST='SUNWiquc'
PATCH_INFO_142846-01='Installed: Thu Nov 19 00:24:54 PST 2009 From:
icdev Obsoletes: Requires: Incompatibles:'
PATCHLIST='142846-01'
SUNW_PRODVERS='4.4.1.0'
PSTAMP='icdev20091119002105'
VERSION='4.4,REV=2009.08.27.08.33'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKG_THISZONES='false'

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SUNW_PKG_HOLLOW='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWiquc'
NAME='Sun GlassFish(tm) Message Queue Client Runtime'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue Client Runtime'
CATEGORY='application'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWiquc...pkgparam -v SUNWiquc 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='May 05 2014 11:40'
PKGSAB=' /var/sadm/pkg/SUNWiquc/save'
PKGINST='SUNWiquc'
PATCH_INFO_142846-01='Installed: Thu Nov 19 00:24:54 PST 2009 From:
icdev Obsoletes: Requires: Incompatibles:'
PATCHLIST='142846-01'
SUNW_PRODVERS='4.4.1.0'
PSTAMP='icdev20091119002115'
VERSION='4.4,REV=2009.08.27.08.33'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKG_THISZONES='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWiquc'
NAME='Sun GlassFish(tm) Message Queue JMS/SOAP Msg Transformer'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue JMS/SOAP Msg Transformer'
CATEGORY='application'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'

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LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWiqjx...pkgparam -v SUNWiqjx 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='May 05 2014 11:40'
PKGSAB=' /var/sadm/pkg/SUNWiqjx/save'
PKGINST='SUNWiqjx'
PATCH_INFO_142846-01='Installed: Thu Nov 19 00:24:51 PST 2009 From:
icdev Obsoletes: Requires: Incompatibles:'
PATCHLIST='142846-01'
SUNW_PRODVERS='4.4.1.0'
PSTAMP='icdev20091119002109'
VERSION='4.4,REV=2009.08.27.08.33'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWiqjx'
NAME='Sun GlassFish(tm) Message Queue JAXM Client Runtime'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue JAXM Client Runtime'
CATEGORY='application'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWiqfs...pkgparam -v SUNWiqfs 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='May 05 2014 11:40'
PKGSAB=' /var/sadm/pkg/SUNWiqfs/save'
PKGINST='SUNWiqfs'
PSTAMP='icdev20090827083333'
DESC='Sun GlassFish(tm) Message Queue JNDI FS Provider'
HOTLINE='Please contact your local service provider'
EMAIL=''

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SUNW_PKG_THISZONES='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.0.0'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
MAXINST='1000'
VENDOR='Sun Microsystems, Inc.'
CATEGORY='application'
VERSION='4.4,REV=2009.08.27.08.33'
ARCH='sparc'
NAME='Sun GlassFish(tm) Message Queue JNDI FS Provider'
PKG='SUNWiqfs'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWiqcrt...pkgparam -v SUNWiqcrt 2>&1
CLASSES='none'
BASEDIR='/opt'
INSTDATE='May 05 2014 11:40'
PKGSABV='/var/sadm/pkg/SUNWiqcrt/save'
PKGINST='SUNWiqcrt'
PATCH_INFO_142847-01='Installed: Thu Nov 19 00:25:14 PST 2009 From:
icdev Obsoletes: Requires: Incompatibles:'
PATCHLIST='142847-01'
SUNW_PRODVERS='4.4.1.0'
PSTAMP='icdev20091119002136'
VERSION='4.4,REV=2009.08.27.08.33'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKG_THISZONES='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGVERS='1.0'
PKG='SUNWiqcrt'
NAME='Sun GlassFish(tm) Message Queue C Runtime'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue C Runtime'
CATEGORY='application'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'

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LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWiqcdv...pkgparam -v SUNWiqcdv 2>&1
CLASSES='none'
BASEDIR='/opt'
INSTDATE='May 05 2014 11:40'
PKGSAB=' /var/sadm/pkg/SUNWiqcdv/save'
PKGINST='SUNWiqcdv'
PATCH_INFO_142847-01='Installed: Thu Nov 19 00:25:13 PST 2009 From:
icdev Obsoletes: Requires: Incompatibles:'
PATCHLIST='142847-01'
SUNW_PRODVERS='4.4.1.0'
PSTAMP='icdev20091119002139'
VERSION='4.4,REV=2009.08.27.08.33'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKG_THISZONES='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGVERS='1.0'
PKG='SUNWiqcdv'
NAME='Sun GlassFish(tm) Message Queue C Developer'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue C Developer'
CATEGORY='application'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWiqlen...pkgparam -v SUNWiqlen 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='May 05 2014 11:40'
PKGSAB=' /var/sadm/pkg/SUNWiqlen/save'
PKGINST='SUNWiqlen'
PATCH_INFO_142846-01='Installed: Thu Nov 19 00:24:52 PST 2009 From:

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icdev Obsoletes: Requires: Incompatibles:
PATCHLIST='142846-01'
SUNW_PRODVERS='4.4.1.0'
PSTAMP='icdev20091119002112'
VERSION='4.4,REV=2009.08.27.08.33'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKG_THISZONES='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWiqlen'
NAME='Sun GlassFish(tm) Message Queue Commercial Product License'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue Commercial Product Broker'
CATEGORY='application'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
MQ 4.4 is already present.
Checking MQ 3.7 ...
Checking pkg SUNWiqr... present but with a different pkg VERSION.
checking SUNWiqr 3.7,REV=2006.06.18.22.34
Checking pkg SUNWiqu... present but with a different pkg VERSION.
checking SUNWiqu 3.7,REV=2006.06.18.22.34
Checking pkg SUNWiqlpl... not present.
Checking pkg SUNWiqdoc... present but with a different pkg VERSION.
checking SUNWiqdoc 3.7,REV=2006.06.18.22.35
Checking pkg SUNWiquc... present but with a different pkg VERSION.
checking SUNWiquc 3.7,REV=2006.06.18.22.35
Checking pkg SUNWiquum... present but with a different pkg VERSION.
checking SUNWiquum 3.7,REV=2006.06.18.22.35
Checking pkg SUNWiqjx... present but with a different pkg VERSION.
checking SUNWiqjx 3.7,REV=2006.06.18.22.35
Checking pkg SUNWiqfs... present but with a different pkg VERSION.
checking SUNWiqfs 3.7,REV=2006.06.18.22.35
Checking pkg SUNWiqcrt... present but with a different pkg VERSION.
checking SUNWiqcrt 3.7,REV=2006.06.18.22.35
Checking pkg SUNWiqcdv... present but with a different pkg VERSION.
checking SUNWiqcdv 3.7,REV=2006.06.18.22.35
Checking pkg SUNWiqlen... present but with a different pkg VERSION.
checking SUNWiqlen 3.7,REV=2006.06.18.22.35

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NOTICE: Message Queue is present with a different pkg VERSION.
Checking MQ 4.1 ...
Checking pkg SUNWiqr... present but with a different pkg VERSION.
checking SUNWiqr 4.1,REV=2007.07.26.10.58
Checking pkg SUNWiqu... present but with a different pkg VERSION.
checking SUNWiqu 4.1,REV=2007.07.26.10.58
Checking pkg SUNWiqdoc... present but with a different pkg VERSION.
checking SUNWiqdoc 4.1,REV=2007.07.26.10.58
Checking pkg SUNWiquc... present but with a different pkg VERSION.
checking SUNWiquc 4.1,REV=2007.07.26.10.59
Checking pkg SUNWiquum... present but with a different pkg VERSION.
checking SUNWiquum 4.1,REV=2007.07.26.10.59
Checking pkg SUNWiqjx... present but with a different pkg VERSION.
checking SUNWiqjx 4.1,REV=2007.07.26.10.59
Checking pkg SUNWiqfs... present but with a different pkg VERSION.
checking SUNWiqfs 4.1,REV=2007.07.26.10.59
Checking pkg SUNWiqcrt... present but with a different pkg VERSION.
checking SUNWiqcrt 4.1,REV=2007.07.26.10.59
Checking pkg SUNWiqcdv... present but with a different pkg VERSION.
checking SUNWiqcdv 4.1,REV=2007.07.26.10.59
NOTICE: Message Queue is present with a different pkg VERSION.
Checking MQ 4.3 ...
Checking pkg SUNWiqr... present but with a different pkg VERSION.
checking SUNWiqr 4.3,REV=2008.11.07.18.44
Checking pkg SUNWiqu... present but with a different pkg VERSION.
checking SUNWiqu 4.3,REV=2008.11.07.18.44
Checking pkg SUNWiqdoc... present but with a different pkg VERSION.
checking SUNWiqdoc 4.3,REV=2008.11.07.18.44
Checking pkg SUNWiquc... present but with a different pkg VERSION.
checking SUNWiquc 4.3,REV=2008.11.07.18.44
Checking pkg SUNWiquum... present but with a different pkg VERSION.
checking SUNWiquum 4.3,REV=2008.11.07.18.44
Checking pkg SUNWiqjx... present but with a different pkg VERSION.
checking SUNWiqjx 4.3,REV=2008.11.07.18.44
Checking pkg SUNWiqfs... present but with a different pkg VERSION.
checking SUNWiqfs 4.3,REV=2008.11.07.18.44
Checking pkg SUNWiqcrt... present but with a different pkg VERSION.
checking SUNWiqcrt 4.3,REV=2008.11.07.18.44
Checking pkg SUNWiqcdv... present but with a different pkg VERSION.
checking SUNWiqcdv 4.3,REV=2008.11.07.18.44
Checking pkg SUNWiqqlen... present but with a different pkg VERSION.
checking SUNWiqqlen 4.3,REV=2008.11.07.18.45
NOTICE: Message Queue is present with a different pkg VERSION.
Checking MQ_L10N 4.4 ...
Checking pkg SUNWfiqu...pkgparam -v SUNWfiqu 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:10'
PKGSAB=' /var/sadm/pkg/SUNWfiqu/save'
PKGINST='SUNWfiqu'
SUNW_LOC='fr'
SUNW_PKGLIST='SUNWiqu'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'

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SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWfiqu'
NAME='Sun GlassFish(tm) Message Queue /usr Package for French'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue /usr Package for French'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094214'
VERSION='4.4, REV=2009.10.01.09.42.14'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWfiquc...pkgparam -v SUNWfiquc 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:10'
PKGSAB=' /var/sadm/pkg/SUNWfiquc/save'
PKGINST='SUNWfiquc'
SUNW_LOC='fr'
SUNW_PKGLIST='SUNWfiquc'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWfiquc'
NAME='Sun GlassFish(tm) Message Queue Client Runtime Package for French'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue Client Runtime Package for French'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094216'
VERSION='4.4, REV=2009.10.01.09.42.16'
OAMBASE='/usr/sadm/sysadm'

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PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWdiqu...pkgparam -v SUNWdiqu 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:10'
PKGSABV='/var/sadm/pkg/SUNWdiqu/save'
PKGINST='SUNWdiqu'
SUNW_LOC='de'
SUNW_PKGLIST='SUNWiqu'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWdiqu'
NAME='Sun GlassFish(tm) Message Queue /usr Package for German'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue /usr Package for German'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094259'
VERSION='4.4,REV=2009.10.01.09.42.59'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWdiquc...pkgparam -v SUNWdiquc 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:10'

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PKGSAB="/var/sadm/pkg/SUNWdiquc/save"
PKGINST="SUNWdiquc"
SUNW_LOC="de"
SUNW_PKGLIST="SUNWiuc"
SUNW_PKG_HOLLOW="false"
SUNW_PKG_THISZONE="false"
SUNW_PKG_ALLZONES="false"
SUNW_PKGTYPE="usr"
SUNW_PRODVERS="4.4.1.0"
VENDOR="Sun Microsystems, Inc."
SUNW_PRODNAME="Sun GlassFish(tm) Message Queue"
SUNW_PKGVERS="1.0"
PKG="SUNWdiquc"
NAME="Sun GlassFish(tm) Message Queue Client Runtime Package for German"
MAXINST="1000"
HOTLINE="Please contact your local service provider"
EMAIL=""
DESC="Sun GlassFish(tm) Message Queue Client Runtime Package for German"
COMPANY="Sun"
CATEGORY="application"
ARCH="sparc"
PSTAMP="20091001094303"
VERSION="4.4,REV=2009.10.01.09.43.03"
OAMBASE="/usr/sadm/sysadm"
PATH="/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin"
TZ="PST8PDT"
LANG="C"
LC_ALL=""
LC_MONETARY=""
LC_MESSAGES=""
LC_COLLATE=""
LC_TIME=""
LC_NUMERIC=""
LC_CTYPE=""
-- Exit status: 0
present.
Checking pkg SUNWjiqu...pkgparam -v SUNWjiqu 2>&1
CLASSES="none"
BASEDIR="/"
INSTDATE="Nov 06 2013 01:10"
PKGSAB="/var/sadm/pkg/SUNWjiqu/save"
PKGINST="SUNWjiqu"
SUNW_LOC="ja,ja_JP.PCK,ja_JP.UTF-8"
SUNW_PKGLIST="SUNWiuc"
SUNW_PKG_HOLLOW="false"
SUNW_PKG_THISZONE="false"
SUNW_PKG_ALLZONES="false"
SUNW_PKGTYPE="usr"
SUNW_PRODVERS="4.4.1.0"
VENDOR="Sun Microsystems, Inc."
SUNW_PRODNAME="Sun GlassFish(tm) Message Queue"
SUNW_PKGVERS="1.0"
PKG="SUNWjiqu"
NAME="Sun GlassFish(tm) Message Queue /usr Package for Japanese"
MAXINST="1000"
HOTLINE="Please contact your local service provider"

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EMAIL=''
DESC='Sun GlassFish(tm) Message Queue /usr Package for Japanese'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094516'
VERSION='4.4,REV=2009.10.01.09.45.16'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWjiquc...pkgparam -v SUNWjiquc 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:10'
PKGSABV='/var/sadm/pkg/SUNWjiquc/save'
PKGINST='SUNWjiquc'
SUNW_LOC='ja,ja_JP.PCK,ja_JP.UTF-8'
SUNW_PKGLIST='SUNWjiquc'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWjiquc'
NAME='Sun GlassFish(tm) Message Queue Client Runtime Package for
Japanese'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue Client Runtime Package for
Japanese'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094518'
VERSION='4.4,REV=2009.10.01.09.45.18'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''

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LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWeiqu...pkgparam -v SUNWeiqu 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:10'
PKGSAB=' /var/sadm/pkg/SUNWeiqu/save'
PKGINST='SUNWeiqu'
SUNW_LOC='es'
SUNW_PKGLIST='SUNWiqu'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWeiqu'
NAME='Sun GlassFish(tm) Message Queue /usr Package for Spanish'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue /usr Package for Spanish'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094344'
VERSION='4.4, REV=2009.10.01.09.43.44'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWeiquc...pkgparam -v SUNWeiquc 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:10'
PKGSAB=' /var/sadm/pkg/SUNWeiquc/save'
PKGINST='SUNWeiquc'
SUNW_LOC='es'
SUNW_PKGLIST='SUNWiquc'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'

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```

SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWeiquc'
NAME='Sun GlassFish(tm) Message Queue Client Runtime Package for
Spanish'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue Client Runtime Package for
Spanish'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094347'
VERSION='4.4,REV=2009.10.01.09.43.47'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWkiqu...pkgparam -v SUNWkiqu 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:10'
PKGSABV='/var/sadm/pkg/SUNWkiqu/save'
PKGINST='SUNWkiqu'
SUNW_LOC='ko,ko.UTF-8'
SUNW_PKGLIST='SUNWiqu'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWkiqu'
NAME='Sun GlassFish(tm) Message Queue /usr Package for Korean'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue /usr Package for Korean'
COMPANY='Sun'
CATEGORY='application'

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```

ARCH='sparc'
PSTAMP='20091001094430'
VERSION='4.4,REV=2009.10.01.09.44.30'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWkiquc...pkgparam -v SUNWkiquc 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:10'
PKGSABV='/var/sadm/pkg/SUNWkiquc/save'
PKGINST='SUNWkiquc'
SUNW_LOC='ko,ko.UTF-8'
SUNW_PKGLIST='SUNWkiquc'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWkiquc'
NAME='Sun GlassFish(tm) Message Queue Client Runtime Package for Korean'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue Client Runtime Package for Korean'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094432'
VERSION='4.4,REV=2009.10.01.09.44.32'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.

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```

Checking pkg SUNWciqu...pkgparam -v SUNWciqu 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:10'
PKGSAB=' /var/sadm/pkg/SUNWciqu/save'
PKGINST='SUNWciqu'
SUNW_LOC='zh,zh.GBK,zh_CN.GB18030,zh.UTF-8'
SUNW_PKGLIST='SUNWiqu'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWciqu'
NAME='Sun GlassFish(tm) Message Queue /usr Package for Simplified
Chinese'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue /usr Package for Simplified
Chinese'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094601'
VERSION='4.4, REV=2009.10.01.09.46.01'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWciquc...pkgparam -v SUNWciquc 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:10'
PKGSAB=' /var/sadm/pkg/SUNWciquc/save'
PKGINST='SUNWciquc'
SUNW_LOC='zh,zh.GBK,zh_CN.GB18030,zh.UTF-8'
SUNW_PKGLIST='SUNWiquc'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'

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```

SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWciquc'
NAME='Sun GlassFish(tm) Message Queue Client Runtime Package for
Simplified Chinese'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue Client Runtime Package for
Simplified Chinese'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094603'
VERSION='4.4, REV=2009.10.01.09.46.03'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWhiqu...pkgparam -v SUNWhiqu 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:10'
PKGSAB='/var/sadm/pkg/SUNWhiqu/save'
PKGINST='SUNWhiqu'
SUNW_LOC='zh_TW,zh_TW.BIG5,zh_TW.UTF-8'
SUNW_PKGLIST='SUNWiqu'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWhiqu'
NAME='Sun GlassFish(tm) Message Queue /usr Package for Traditional
Chinese'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue /usr Package for Traditional
Chinese'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094648'

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VERSION='4.4,REV=2009.10.01.09.46.48'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWhiquc...pkgparam -v SUNWhiquc 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:10'
PKGSABV='/var/sadm/pkg/SUNWhiquc/save'
PKGINST='SUNWhiquc'
SUNW_LOC='zh_TW,zh_TW.BIG5,zh_TW.UTF-8'
SUNW_PKGLIST='SUNWiuc'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWhiquc'
NAME='Sun GlassFish(tm) Message Queue Client Runtime Package for
Traditional Chinese'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue Client Runtime Package for
Traditional Chinese'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094650'
VERSION='4.4,REV=2009.10.01.09.46.50'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.

```

MQ_L10N 4.4 is already present.
Checking MQ_L10N 3.7 ...
Checking pkg SUNWfiqu... present but with a different pkg VERSION.
checking SUNWfiqu 3.7,REV=2006.09.28.02.20.49
Checking pkg SUNWfiquc... present but with a different pkg VERSION.
checking SUNWfiquc 3.7,REV=2006.09.28.02.21.13
Checking pkg SUNWdiqu... present but with a different pkg VERSION.
checking SUNWdiqu 3.7,REV=2006.09.28.02.20.38
Checking pkg SUNWdiquc... present but with a different pkg VERSION.
checking SUNWdiquc 3.7,REV=2006.09.28.02.21.09
Checking pkg SUNWjiqu... present but with a different pkg VERSION.
checking SUNWjiqu 3.7,REV=2006.09.02.02.06.39
Checking pkg SUNWjiquc... present but with a different pkg VERSION.
checking SUNWjiquc 3.7,REV=2006.09.02.02.07.00
Checking pkg SUNWei... present but with a different pkg VERSION.
checking SUNWei 3.7,REV=2006.09.28.02.20.43
Checking pkg SUNWeiquc... present but with a different pkg VERSION.
checking SUNWeiquc 3.7,REV=2006.09.28.02.21.11
Checking pkg SUNWkiqu... present but with a different pkg VERSION.
checking SUNWkiqu 3.7,REV=2006.09.28.02.20.59
Checking pkg SUNWkiquc... present but with a different pkg VERSION.
checking SUNWkiquc 3.7,REV=2006.09.28.02.21.19
Checking pkg SUNWciqu... present but with a different pkg VERSION.
checking SUNWciqu 3.7,REV=2006.09.02.02.06.49
Checking pkg SUNWciquc... present but with a different pkg VERSION.
checking SUNWciquc 3.7,REV=2006.09.02.02.07.03
Checking pkg SUNWhiqu... present but with a different pkg VERSION.
checking SUNWhiqu 3.7,REV=2006.10.28.02.59.24
Checking pkg SUNWhiquc... present but with a different pkg VERSION.
checking SUNWhiquc 3.7,REV=2006.10.28.02.59.36
NOTICE: Message Queue Localization is present with a different pkg VERSION.
Checking MQ_L10N 4.1 ...
Checking pkg SUNWfiqu... present but with a different pkg VERSION.
checking SUNWfiqu 4.1,REV=2007.08.02.12.38
Checking pkg SUNWfiquc... present but with a different pkg VERSION.
checking SUNWfiquc 4.1,REV=2007.08.02.12.38
Checking pkg SUNWdiqu... present but with a different pkg VERSION.
checking SUNWdiqu 4.1,REV=2007.08.02.12.38
Checking pkg SUNWdiquc... present but with a different pkg VERSION.
checking SUNWdiquc 4.1,REV=2007.08.02.12.38
Checking pkg SUNWjiqu... present but with a different pkg VERSION.
checking SUNWjiqu 4.1,REV=2007.08.02.12.38
Checking pkg SUNWjiquc... present but with a different pkg VERSION.
checking SUNWjiquc 4.1,REV=2007.08.02.12.38
Checking pkg SUNWei... present but with a different pkg VERSION.
checking SUNWei 4.1,REV=2007.08.02.12.38
Checking pkg SUNWeiquc... present but with a different pkg VERSION.
checking SUNWeiquc 4.1,REV=2007.08.02.12.38
Checking pkg SUNWkiqu... present but with a different pkg VERSION.
checking SUNWkiqu 4.1,REV=2007.08.02.12.38
Checking pkg SUNWkiquc... present but with a different pkg VERSION.
checking SUNWkiquc 4.1,REV=2007.08.02.12.38
Checking pkg SUNWciqu... present but with a different pkg VERSION.
checking SUNWciqu 4.1,REV=2007.08.02.12.38
Checking pkg SUNWciquc... present but with a different pkg VERSION.

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checking SUNWciquc 4.1,REV=2007.08.02.12.38
Checking pkg SUNWhiqu... present but with a different pkg VERSION.
checking SUNWhiqu 4.1,REV=2007.08.02.12.38
Checking pkg SUNWhiquc... present but with a different pkg VERSION.
checking SUNWhiquc 4.1,REV=2007.08.02.12.38
NOTICE: Message Queue Localization is present with a different pkg
VERSION.
Checking MQ_L10N 4.3 ...
Checking pkg SUNWfiqu... present but with a different pkg VERSION.
checking SUNWfiqu 4.3,REV=2008.10.27.08.57.02
Checking pkg SUNWfiquc... present but with a different pkg VERSION.
checking SUNWfiquc 4.3,REV=2008.10.27.08.57.05
Checking pkg SUNWdiqu... present but with a different pkg VERSION.
checking SUNWdiqu 4.3,REV=2008.10.27.08.57.55
Checking pkg SUNWdiquc... present but with a different pkg VERSION.
checking SUNWdiquc 4.3,REV=2008.10.27.08.57.58
Checking pkg SUNWjiqu... present but with a different pkg VERSION.
checking SUNWjiqu 4.3,REV=2008.10.27.09.00.27
Checking pkg SUNWjiquc... present but with a different pkg VERSION.
checking SUNWjiquc 4.3,REV=2008.10.27.09.00.28
Checking pkg SUNWeiqu... present but with a different pkg VERSION.
checking SUNWeiqu 4.3,REV=2008.10.27.08.58.45
Checking pkg SUNWeiquc... present but with a different pkg VERSION.
checking SUNWeiquc 4.3,REV=2008.10.27.08.58.48
Checking pkg SUNWkiqu... present but with a different pkg VERSION.
checking SUNWkiqu 4.3,REV=2008.10.27.08.59.36
Checking pkg SUNWkiquc... present but with a different pkg VERSION.
checking SUNWkiquc 4.3,REV=2008.10.27.08.59.38
Checking pkg SUNWciqu... present but with a different pkg VERSION.
checking SUNWciqu 4.3,REV=2008.10.27.09.01.18
Checking pkg SUNWciquc... present but with a different pkg VERSION.
checking SUNWciquc 4.3,REV=2008.10.27.09.01.19
Checking pkg SUNWhiqu... present but with a different pkg VERSION.
checking SUNWhiqu 4.3,REV=2008.10.27.09.02.09
Checking pkg SUNWhiquc... present but with a different pkg VERSION.
checking SUNWhiquc 4.3,REV=2008.10.27.09.02.10
NOTICE: Message Queue Localization is present with a different pkg
VERSION.
Checking LDAPJDK 4.21 ...
Checking pkg SUNWljdk... not present.
LDAPJDK 4.21 is not present.
Checking IMAPI 9.2 ...
Checking pkg SUNWiimdv...pkgparam -v SUNWiimdv 2>&1
CLASSES='none'
BASEDIR='/'
PATCH_INFO_148582-06='Installed: Fri Jun 27 16:05:44 PDT 2014 From: host
Obsoletes: Requires: Incompatibles:'
INSTDATE='Jun 27 2014 16:05'
PATCH_INFO_148582-04='Installed: Tue Oct 8 06:07:54 PDT 2013 From:
comms01-s10 Obsoletes: Requires: Incompatibles:'
PATCHLIST='148582-04 148582-05 148582-06'
UPDATE='yes'
PATCH_UNCONDITIONAL='false'
PATCH_NO_UNDO='false'
PATCH_BUILD_DIR='none'
PATCH_UNDO_ARCHIVE='none'

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INTERRUPTION='no'
PATCH_INFO_148582-05='Installed: Wed Mar 26 11:10:47 PDT 2014 From: host
Obsoletes: Requires: Incompatibles:'
SCRIPTS_DIR='/export/lim/work/ci_tip/comms/comp/SunOS5.10_DBG.OBJ/release/s
Communications Instant Messaging API'
PRODUCT_NAME='Oracle Communications Instant Messaging'
EMAIL=''
HOTLINE='Please contact your local service provider'
VENDOR='Oracle Corporation'
DESC='Oracle Communications Instant Messaging and Presence APIs'
CATEGORY='application'
MAXINST='1001'
ARCH='sparc'
NAME='Oracle Communications Instant Messaging and Presence APIs'
PKG='SUNWiimdv'
VERSION='9.0, REV=2011.09.05'
SUNW_PATCHID='148582-06'
PSTAMP='sca00bkr20140625022807'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
IMAPI 9.2 is already present.
Checking IMAPI 7.0 ...
Checking pkg SUNWiimdv... present but with a different pkg VERSION.
checking SUNWiimdv 7.0,REV=2004.11.24.05.24.36
NOTICE: Instant Messaging API is present with a different pkg VERSION.
Checking IMAPI 7.3 ...
Checking pkg SUNWiimdv... present but with a different pkg VERSION.
checking SUNWiimdv 7.3,REV=2008.01.15
NOTICE: Instant Messaging API is present with a different pkg VERSION.
Checking IMAPI 8.0 ...
Checking pkg SUNWiimdv... present but with a different pkg VERSION.
checking SUNWiimdv 8.0,REV=2008.12.04
NOTICE: Instant Messaging API is present with a different pkg VERSION.
Checking CI 7.6 ...
Checking pkg SUNWcomms...pkgparam -v SUNWcomms 2>&1
CLASSES='none'
BASEDIR='/opt/sun/comms/CommsInstaller'
INSTDATE='Aug 08 2014 17:33'
PKGSAB=' /var/sadm/pkg/SUNWcomms/save'
PKGINST='SUNWcomms'
ARCH='sparc'
VERSION='7.6, REV=2014.07.01'

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PKG='SUNWcomms'
NAME='Comms Installer'
MAXINST='1000'
CATEGORY='application'
DESC='Comms Installer'
VENDOR='Oracle Corporation'
HOTLINE='Please contact your local service provider'
EMAIL=''
SUNW_PKG_ALLZONES='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PRODNAME='CommsInstaller'
SUNW_PRODVERS='7.6-0.10'
SUNW_PKGVERS='1.0'
PSTAMP='sca00bkr20140701221058'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0

/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-v --installed '/opt/sun/comms/CommsInstaller' 2>&1
VERSION='7.6-0.10'
BUILDDATE='20140701'
UNAME='SunOS'
ARCH='sparc'
BITS='32'
ORCL_VERSION='7.0.6.0.0'
-- Exit status: 0

/opt/sun/comms/CommsInstaller/lib/getVersion -v 2>&1
VERSION='7.6-0.10'
BUILDDATE='20140701'
UNAME='SunOS'
ARCH='sparc'
BITS='32'
ORCL_VERSION='7.0.6.0.0'
-- Exit status: 0
INFO: CI /opt/sun/comms/CommsInstaller/lib/getVersion -v : returned 0
present.
CI 7.6 is already present.
Checking MS64 7.5 ...
Checking pkg SUNWmessaging-server-64...pkgparam -v
SUNWmessaging-server-64 2>&1
CLASSES='none'
BASEDIR='/opt/sun/comms/messaging64'
INSTDATE='Aug 08 2014 17:32'
PKGSABV='/var/sadm/pkg/SUNWmessaging-server-64/save'

```

```

PKGINST='SUNWmessaging-server-64'
ARCH='sparc'
CATEGORY='application'
DESC='Messaging Server'
EMAIL=''
HOTLINE='Please contact your local service provider'
MAXINST='1000'
NAME='Messaging Server'
PKG='SUNWmessaging-server-64'
SUNW_PKGVERS='1.0'
SUNW_PRODNAME='Oracle Communications Messaging Server'
VENDOR='Oracle Corporation'
VERSION='7.0,REV=2008.06.20'
PSTAMP='sca00bkj20140505094755'
SUNW_PRODVERS='7.5-31.0'
PATCHLIST='800255-01 137204-31'
PATCH_INFO_800255-01='Installed: Monday, May 5, 2014 09:49:13 AM PDT
From: sca00bkj Obsoletes: Requires: Incompatibles:'
PATCH_INFO_137204-31='Installed: Monday, May 5, 2014 09:49:14 AM PDT
From: sca00bkj Obsoletes: Requires: Incompatibles:'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0

/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-v --installed '/opt/sun/comms/messaging64' 2>&1
VERSION='7.5-31.0'
BUILDDATE='20140505'
UNAME='SunOS'
ARCH='sparc'
BITS='64'
ORCL_VERSION='7.0.5.31.0'
-- Exit status: 0

/opt/sun/comms/messaging64/lib/getVersion -v 2>&1
VERSION='7.5-31.0'
BUILDDATE='20140505'
UNAME='SunOS'
ARCH='sparc'
BITS='64'
ORCL_VERSION='7.0.5.31.0'
-- Exit status: 0
INFO: MS64 /opt/sun/comms/messaging64/lib/getVersion -v : returned 0
present.
MS64 7.5 is already present.
Checking MS64 6.3 ...
Checking pkg SUNWmessaging-server-64... present but with a different pkg

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```

VERSION.
checking SUNWmessaging-server-64 6.3,REV=2007.02.26
NOTICE: Messaging Server (64bit) is present with a different pkg
VERSION.
Checking MS64 6.3_32 ...
Checking pkg SUNWmsgin... not present.
Checking pkg SUNWmsgen... not present.
Checking pkg SUNWmsglb... not present.
Checking pkg SUNWmsgco... not present.
Checking pkg SUNWmsgmt... not present.
Checking pkg SUNWmsgst... not present.
Checking pkg SUNWmsgmp... not present.
Checking pkg SUNWmsgwm... not present.
Checking pkg SUNWmsgmf... not present.
MS64 6.3_32 is not present.
Checking MS64 7.2_32 ...
Checking pkg SUNWmessaging-server... not present.
MS64 7.2_32 is not present.
Checking MS64 7.3_32 ...
MS64 7.3_32 is not present.
Checking MS64 7.5_32 ...
MS64 7.5_32 is not present.
Checking DSSETUP 6.4 ...
Checking pkg SUNWcomds...pkgparam -v SUNWcomds 2>&1
CLASSES='none'
BASEDIR='/opt/sun/comms/dssetup'
INSTDATE='Aug 08 2014 17:32'
PKGSAB=' /var/sadm/pkg/SUNWcomds/save'
PKGINST='SUNWcomds'
ARCH='sparc'
CATEGORY='application'
DESC='Comm Servers DS Setup'
EMAIL=''
HOTLINE='Please contact your local service provider'
MAXINST='1000'
PKG='SUNWcomds'
SUNW_PKGVERS='1.0'
SUNW_PRODNAME='comm_dssetup'
VERSION='6.3,REV=2004.08.12'
NAME='Comm Servers DS Setup'
PSTAMP='sca00bkj20140418140731'
SUNW_PRODVERS='6.4-26.01'
VENDOR='Oracle Corporation'
PATCHLIST='118242-03 118245-26'
PATCH_INFO_118242-03='Installed: Friday, April 18, 2014 09:07:35 PM UTC
From: sca00bkj Obsoletes: Requires: Incompatibles:'
PATCH_INFO_118245-26='Installed: Friday, April 18, 2014 09:07:35 PM UTC
From: sca00bkj Obsoletes: Requires: 118242-02 Incompatibles:'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''

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LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0

/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-v --installed '/opt/sun/comms/dssetup' 2>&1
VERSION='6.4-26.01'
BUILDDATE='20140418'
UNAME='SunOS'
ARCH='sparc'
BITS='32'
ORCL_VERSION='6.4.0.26.0'
-- Exit status: 0

/opt/sun/comms/dssetup/lib/getVersion -v 2>&1
VERSION='6.4-26.01'
BUILDDATE='20140418'
UNAME='SunOS'
ARCH='sparc'
BITS='32'
ORCL_VERSION='6.4.0.26.0'
-- Exit status: 0
INFO: DSSETUP /opt/sun/comms/dssetup/lib/getVersion -v : returned 0
present.
DSSETUP 6.4 is already present.
Checking DAV 7.4 ...
Checking pkg SUNWdavserver...pkgparam -v SUNWdavserver 2>&1
CLASSES='none'
BASEDIR='/opt/sun/comms/davserver'
INSTDATE='Aug 08 2014 17:32'
PKGSAB='/var/sadm/pkg/SUNWdavserver/save'
PKGINST='SUNWdavserver'
ARCH='sparc'
CATEGORY='application'
EMAIL=''
HOTLINE='Please contact your local service provider'
MAXINST='1000'
PKG='SUNWdavserver'
SUNW_PKGVERS='1.0'
VERSION='7.0,REV=2009.08.27'
DESC='Oracle Communications Calendar Server'
NAME='Oracle Communications Calendar Server'
PSTAMP='sca00bkr20140425053946'
SUNW_PRODNAME='Oracle Communications Calendar Server'
SUNW_PRODVERS='7.4-15.10'
VENDOR='Oracle Corporation'
PATCHLIST='142785-15'
PATCH_INFO_142785-15='Installed: Friday, April 25, 2014 05:39:53 AM PDT
From: sca00bkr Obsoletes: Requires: Incompatibles:'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''

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LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0

/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-v --installed '/opt/sun/comms/davserver' 2>&1
VERSION='7.4-15.10'
BUILDDATE='20140425'
UNAME='SunOS'
ARCH='sparc'
BITS='32'
ORCL_VERSION='7.0.4.15.0'
-- Exit status: 0

/opt/sun/comms/davserver/lib/getVersion -v 2>&1
VERSION='7.4-15.10'
BUILDDATE='20140425'
UNAME='SunOS'
ARCH='sparc'
BITS='32'
ORCL_VERSION='7.0.4.15.0'
-- Exit status: 0
INFO: DAV /opt/sun/comms/davserver/lib/getVersion -v : returned 0
present.
DAV 7.4 is already present.
Checking IM 9.2 ...
Checking pkg SUNWiimin...pkgparam -v SUNWiimin 2>&1
CLASSES='none'
BASEDIR='/opt/sun/comms/im'
INSTDATE='Aug 08 2014 17:32'
PKGSABV='/var/sadm/pkg/SUNWiimin/save'
PKGINST='SUNWiimin'
ARCH='sparc'
CATEGORY='application'
DESC='Oracle Communications Instant Messaging Install Support'
EMAIL=''
HOTLINE='Please contact your local service provider'
MAXINST='1000'
NAME='Oracle Communications Instant Messaging Install Support'
PKG='SUNWiimin'
PRODUCT_NAME='Oracle Communications Instant Messaging'
SUNW_PKGVERS='1.0'
SUNW_PRODNAME='Oracle Communications Instant Messaging'
VENDOR='Oracle Corporation'
VERSION='9.0,REV=2011.09.05'
PSTAMP='sca00bkr20140625022554'
SUNW_PRODVERS='9.2-06.7'
PATCHLIST='148579-06'
PATCH_INFO_148579-06='Installed: Wednesday, June 25, 2014 02:26:58 AM
PDT From: sca00bkr Obsoletes: Requires: Incompatibles: 118786-01
137235-01 139893-01'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'

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TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0

/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-v --installed '/opt/sun/comms/im' 2>&1
VERSION='9.2-06.7'
BUILDDATE='20140625'
UNAME='SunOS'
ARCH='sparc'
BITS='64'
ORCL_VERSION='9.0.2.6.0'
-- Exit status: 0

/opt/sun/comms/im/lib/getVersion -v 2>&1
VERSION='9.2-06.7'
BUILDDATE='20140625'
UNAME='SunOS'
ARCH='sparc'
BITS='64'
ORCL_VERSION='9.0.2.6.0'
-- Exit status: 0
INFO: IM /opt/sun/comms/im/lib/getVersion -v : returned 0
present.
Checking pkg SUNWiim...pkgparam -v SUNWiim 2>&1
CLASSES='none'
BASEDIR='/opt/sun/comms/im'
INSTDATE='Aug 08 2014 17:32'
PKGSAB=' /var/sadm/pkg/SUNWiim/save'
PKGINST='SUNWiim'
ARCH='sparc'
CATEGORY='application'
DESC='Oracle Communications Instant Messaging Server'
EMAIL=''
HOTLINE='Please contact your local service provider'
MAXINST='1000'
NAME='Oracle Communications Instant Messaging Server'
PKG='SUNWiim'
PRODUCT_NAME='Oracle Communications Instant Messaging'
SUNW_PKGVERS='1.0'
SUNW_PRODNAME='Oracle Communications Instant Messaging'
VENDOR='Oracle Corporation'
VERSION='9.0,REV=2011.09.05'
PSTAMP='sca00bkr20140625022542'
SUNW_PRODVERS='9.2-06.7'
PATCHLIST='148579-06'
PATCH_INFO_148579-06='Installed: Wednesday, June 25, 2014 02:26:55 AM
PDT From: sca00bkr Obsoletes: Requires: Incompatibles: 118786-01
137235-01 139893-01'

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OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWiimm...pkgparam -v SUNWiimm 2>&1
CLASSES='none'
BASEDIR='/opt/sun/comms/im'
INSTDATE='Aug 08 2014 17:32'
PKGSAB='/var/sadm/pkg/SUNWiimm/save'
PKGINST='SUNWiimm'
ARCH='sparc'
CATEGORY='application'
DESC='Oracle Communications Instant Messaging Multiplexor'
EMAIL=''
HOTLINE='Please contact your local service provider'
MAXINST='1000'
NAME='Oracle Communications Instant Messaging Multiplexor'
PKG='SUNWiimm'
PRODUCT_NAME='Oracle Communications Instant Messaging'
SUNW_PKGVERS='1.0'
SUNW_PRODNAME='Oracle Communications Instant Messaging'
VENDOR='Oracle Corporation'
VERSION='9.0,REV=2011.09.05'
PSTAMP='sca00bkr20140625022600'
SUNW_PRODVERS='9.2-06.7'
PATCHLIST='148579-06'
PATCH_INFO_148579-06='Installed: Wednesday, June 25, 2014 02:26:58 AM
PDT From: sca00bkr Obsoletes: Requires: Incompatibles: 118786-01
137235-01 139893-01'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWiimjd...pkgparam -v SUNWiimjd 2>&1
CLASSES='none'
BASEDIR='/opt/sun/comms/im'
INSTDATE='Aug 08 2014 17:32'
PKGSAB='/var/sadm/pkg/SUNWiimjd/save'

```



```

PKGINST='SUNWiimjd'
ARCH='sparc'
CATEGORY='application'
DESC='Oracle Communications Instant Messaging API Documentation'
EMAIL=''
HOTLINE='Please contact your local service provider'
MAXINST='1000'
NAME='Oracle Communications Instant Messaging API Documentation'
PKG='SUNWiimjd'
PRODUCT_NAME='Oracle Communications Instant Messaging'
SUNW_PKGVERS='1.0'
SUNW_PRODNAME='Oracle Communications Instant Messaging'
VENDOR='Oracle Corporation'
VERSION='9.0,REV=2011.09.05'
PSTAMP='sca00bkr20140625022555'
SUNW_PRODVERS='9.2-06.7'
PATCHLIST='148579-06'
PATCH_INFO_148579-06='Installed: Wednesday, June 25, 2014 02:26:58 AM
PDT From: sca00bkr Obsoletes: Requires: Incompatibles: 118786-01
137235-01 139893-01'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWiimid...pkgparam -v SUNWiimid 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Aug 08 2014 17:32'
PKGSAB=' /var/sadm/pkg/SUNWiimid/save'
PKGINST='SUNWiimid'
ARCH='sparc'
CATEGORY='application'
DESC='Access Manager Integration Modules for Instant Messaging and
Presence'
EMAIL=''
HOTLINE='Please contact your local service provider'
MAXINST='1000'
NAME='Oracle Communications Instant Messaging Service'
PKG='SUNWiimid'
PRODUCT_NAME='Oracle Communications Instant Messaging'
SUNW_PKGVERS='1.0'
SUNW_PRODNAME='Oracle Communications Instant Messaging'
VENDOR='Oracle Corporation'
VERSION='9.0,REV=2011.09.05'
PSTAMP='sca00bkr20140625022553'
SUNW_PRODVERS='9.2-06.7'
PATCHLIST='148579-06'

```

```

PATCH_INFO_148579-06='Installed: Wednesday, June 25, 2014 02:26:57 AM
PDT From: sca00bkr Obsoletes: Requires: Incompatibles: 118786-01
137235-01 139893-01'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0

NOTICE: fillInstalledProd found different BASEDIR:
for pkg=SUNWiimid pkgver=9.0,REV=2011.09.05 basedir=/
found prod=IM prodvers=9.2
but another basedir exists!
$VAR1 = [
'/opt/sun/comms/im',
'9.2-06.7',
'20140625',
'9u2',
'SunOS',
'sparc',
'64',
'',
'9.0.2.6.0'
];
present.
Checking pkg SUNWiimgw...pkgparam -v SUNWiimgw 2>&1
CLASSES='none'
BASEDIR='/opt/sun/comms/im'
INSTDATE='Aug 08 2014 17:32'
PKGSAB='/var/sadm/pkg/SUNWiimgw/save'
PKGINST='SUNWiimgw'
ARCH='sparc'
CATEGORY='application'
DESC='Oracle Communications Instant Messaging Server Gateways'
EMAIL=''
HOTLINE='Please contact your local service provider'
MAXINST='1000'
NAME='Oracle Communications Instant Messaging Server Gateways'
PKG='SUNWiimgw'
PRODUCT_NAME='Oracle Communications Instant Messaging'
SUNW_PKGVERS='1.0'
SUNW_PRODNAME='Oracle Communications Instant Messaging'
VENDOR='Oracle Corporation'
VERSION='9.0,REV=2011.09.05'
PSTAMP='sca00bkr20140625022552'
SUNW_PRODVERS='9.2-06.7'
PATCHLIST='148579-06'
PATCH_INFO_148579-06='Installed: Wednesday, June 25, 2014 02:26:56 AM
PDT From: sca00bkr Obsoletes: Requires: Incompatibles: 118786-01

```

```

137235-01 139893-01'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWiimw...pkgparam -v SUNWiimw 2>&1
CLASSES='none'
BASEDIR='/opt/sun/comms/im'
INSTDATE='Aug 08 2014 17:32'
PKGSAB='/var/sadm/pkg/SUNWiimw/save'
PKGINST='SUNWiimw'
ARCH='sparc'
CATEGORY='application'
DESC='Oracle Communications Instant Messenger'
EMAIL=''
HOTLINE='Please contact your local service provider'
MAXINST='1000'
NAME='Oracle Communications Instant Messaging Web Applications'
PKG='SUNWiimw'
PRODUCT_NAME='Oracle Communications Instant Messaging'
SUNW_PKGVERS='1.0'
SUNW_PRODNAME='Oracle Communications Instant Messaging'
VENDOR='Oracle Corporation'
VERSION='9.0,REV=2011.09.05'
PSTAMP='sca00bkr20140625022601'
SUNW_PRODVERS='9.2-06.7'
PATCHLIST='148579-06'
PATCH_INFO_148579-06='Installed: Wednesday, June 25, 2014 02:26:58 AM
PDT From: sca00bkr Obsoletes: Requires: Incompatibles: 118786-01
137235-01 139893-01'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWiimfed...pkgparam -v SUNWiimfed 2>&1
CLASSES='none'
BASEDIR='/opt/sun/comms/im'
INSTDATE='Aug 08 2014 17:32'

```

```

PKGSAB="/var/sadm/pkg/SUNWiimfed/save"
PKGINST="SUNWiimfed"
ARCH="sparc"
CATEGORY="application"
DESC="Oracle Communications Instant Messaging Server Federation Helper"
EMAIL=""
HOTLINE="Please contact your local service provider"
MAXINST="1000"
NAME="Oracle Communications Instant Messaging Server Federation Helper"
PKG="SUNWiimfed"
PRODUCT_NAME="Oracle Communications Instant Messaging"
SUNW_PKGVERS="1.0"
SUNW_PRODNAME="Oracle Communications Instant Messaging"
VENDOR="Oracle Corporation"
VERSION="9.0,REV=2011.09.05"
PSTAMP="sca00bkr20140625022544"
SUNW_PRODVERS="9.2-06.7"
PATCHLIST="148579-06"
PATCH_INFO_148579-06="Installed: Wednesday, June 25, 2014 02:26:55 AM
PDT From: sca00bkr Obsoletes: Requires: Incompatibles: 118786-01
137235-01 139893-01"
OAMBASE="/usr/sadm/sysadm"
PATH="/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin"
TZ="PST8PDT"
LANG="C"
LC_ALL=""
LC_MONETARY=""
LC_MESSAGES=""
LC_COLLATE=""
LC_TIME=""
LC_NUMERIC=""
LC_CTYPE=""
-- Exit status: 0
present.
IM 9.2 is already present.
Checking IM 7.0 ...
Checking pkg SUNWiimin... present but with a different pkg VERSION.
checking SUNWiimin 7.0,REV=2004.11.24.05.24.36
Checking pkg SUNWiim... present but with a different pkg VERSION.
checking SUNWiim 7.0,REV=2004.11.24.05.24.36
Checking pkg SUNWiimm... present but with a different pkg VERSION.
checking SUNWiimm 7.0,REV=2004.11.24.05.24.36
Checking pkg SUNWiimjd... present but with a different pkg VERSION.
checking SUNWiimjd 7.0,REV=2004.11.24.05.24.36
Checking pkg SUNWiimid...
NOTICE: fillInstalledProd found different BASEDIR:
for pkg=SUNWiimid pkgver=9.0,REV=2011.09.05 basedir=/
found prod=IM prodvers=9.2
but another basedir exists!
$VAR1 = [
'/opt/sun/comms/im',
'9.2-06.7',
'20140625',
'9u2',
'SunOS',
'sparc',

```

```

'64',
'',
'9.0.2.6.0'
];
present but with a different pkg VERSION.
checking SUNWiimid 7.0,REV=2004.11.24.05.24.36
Checking pkg SUNWiimc... not present.
Checking pkg SUNWiimd... not present.
NOTICE: Instant Messaging is present with a different pkg VERSION.
Checking IM 7.3 ...
Checking pkg SUNWiim... present but with a different pkg VERSION.
checking SUNWiim 7.3,REV=2008.01.15
Checking pkg SUNWiimin... present but with a different pkg VERSION.
checking SUNWiimin 7.3,REV=2008.01.15
Checking pkg SUNWiimm... present but with a different pkg VERSION.
checking SUNWiimm 7.3,REV=2008.01.15
Checking pkg SUNWiimjd... present but with a different pkg VERSION.
checking SUNWiimjd 7.3,REV=2008.01.15
Checking pkg SUNWiimid...
NOTICE: fillInstalledProd found different BASEDIR:
for pkg=SUNWiimid pkgver=9.0,REV=2011.09.05 basedir=/
found prod=IM prodvers=9.2
but another basedir exists!
$VAR1 = [
'/opt/sun/comms/im',
'9.2-06.7',
'20140625',
'9u2',
'SunOS',
'sparc',
'64',
'',
'9.0.2.6.0'
];
present but with a different pkg VERSION.
checking SUNWiimid 7.3,REV=2008.01.15
Checking pkg SUNWiimc... not present.
Checking pkg SUNWiimd... not present.
NOTICE: Instant Messaging is present with a different pkg VERSION.
Checking IM 8.3 ...
Checking pkg SUNWiim... present but with a different pkg VERSION.
checking SUNWiim 8.0,REV=2008.12.04
Checking pkg SUNWiimin... present but with a different pkg VERSION.
checking SUNWiimin 8.0,REV=2008.12.04
Checking pkg SUNWiimm... present but with a different pkg VERSION.
checking SUNWiimm 8.0,REV=2008.12.04
Checking pkg SUNWiimjd... present but with a different pkg VERSION.
checking SUNWiimjd 8.0,REV=2008.12.04
Checking pkg SUNWiimid...
NOTICE: fillInstalledProd found different BASEDIR:
for pkg=SUNWiimid pkgver=9.0,REV=2011.09.05 basedir=/
found prod=IM prodvers=9.2
but another basedir exists!
$VAR1 = [
'/opt/sun/comms/im',
'9.2-06.7',

```

```

'20140625',
'9u2',
'SunOS',
'sparc',
'64',
'',
'9.0.2.6.0'
];
present but with a different pkg VERSION.
checking SUNWiimid 8.0,REV=2008.12.04
Checking pkg SUNWiimc... not present.
Checking pkg SUNWiimd... not present.
Checking pkg SUNWiimgw... present but with a different pkg VERSION.
checking SUNWiimgw 8.0,REV=2008.12.04
NOTICE: Instant Messaging is present with a different pkg VERSION.
Checking IWC 3.0 ...
Checking pkg SUNWiwc...pkgparam -v SUNWiwc 2>&1
CLASSES='none'
BASEDIR='/opt/sun/comms/iwc'
INSTDATE='Aug 08 2014 17:32'
PKGSABV='/var/sadm/pkg/SUNWiwc/save'
PKGINST='SUNWiwc'
ARCH='sparc'
VERSION='3.0,REV=2014.06.30'
PKG='SUNWiwc'
NAME='Convergence'
MAXINST='1000'
CATEGORY='application'
DESC='Convergence for Mail, Calendar, IM, Address Book'
VENDOR='Oracle'
HOTLINE='Please contact your local service provider'
EMAIL=''
SUNW_PRODNAME='Convergence'
SUNW_PRODVERS='3.0-1.0022'
SUNW_PKGVERS='1.0'
PSTAMP='sca00bjl20140630000443'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0

/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-v --installed '/opt/sun/comms/iwc' 2>&1
VERSION='3.0-1.0022'
BUILDDATE='20140630'
UNAME='SunOS'
ARCH='sparc'
BITS='32'

```

```

ORCL_VERSION='3.0.0.1.0'
-- Exit status: 0

/opt/sun/comms/iwc/lib/getVersion -v 2>&1
VERSION='3.0-1.0022'
BUILDDATE='20140630'
UNAME='SunOS'
ARCH='sparc'
BITS='32'
ORCL_VERSION='3.0.0.1.0'
-- Exit status: 0
INFO: IWC /opt/sun/comms/iwc/lib/getVersion -v : returned 0
present.
IWC 3.0 is already present.
Checking IWC 1.0 ...
Checking pkg SUNWiwc... present but with a different pkg VERSION.
checking SUNWiwc 1.0,REV=2008.07.07
NOTICE: Convergence is present with a different pkg VERSION.
Checking IWC 2.0 ...
Checking pkg SUNWiwc... present but with a different pkg VERSION.
checking SUNWiwc 2.0,REV=2010.07.26
NOTICE: Convergence is present with a different pkg VERSION.
Checking JISS 1.5 ...
Checking pkg SUNWjiss...pkgparam -v SUNWjiss 2>&1
CLASSES='none preserve'
BASEDIR='/opt/sun/comms/jiss'
INSTDATE='Aug 08 2014 17:32'
PKGSABV='/var/sadm/pkg/SUNWjiss/save'
PKGINST='SUNWjiss'
ARCH='all'
CATEGORY='application'
EMAIL=''
HOTLINE='Please contact your local service provider'
MAXINST='1'
PKG='SUNWjiss'
SUNW_PKGVERS='1.0'
VERSION='1.0,REV=2009.09.09'
DESC='Indexing and Search Service'
NAME='Indexing and Search Service'
PSTAMP='miso220140528220303'
SUNW_PRODNAME='Oracle Indexing and Search Service'
SUNW_PRODVERS='1.5-22.11300'
VENDOR='Oracle'
PATCHLIST='142824-22'
PATCH_INFO_142824-22='Installed: Wednesday, May 28, 2014 10:08:25 PM PDT
From: miso2 Obsoletes: Requires: Incompatibles:'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''

```

```

LC_CTYPE=''
-- Exit status: 0

/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-v --installed '/opt/sun/comms/jiss' 2>&1
VERSION='1.5-22.11300'
BUILDDATE='20140528'
UNAME='SunOS'
ARCH='all'
BITS='32'
ORCL_VERSION='1.0.5.22.0'
-- Exit status: 0

/opt/sun/comms/jiss/lib/getVersion -v 2>&1
VERSION='1.5-22.11300'
BUILDDATE='20140528'
UNAME='SunOS'
ARCH='all'
BITS='32'
ORCL_VERSION='1.0.5.22.0'
-- Exit status: 0
INFO: JISS /opt/sun/comms/jiss/lib/getVersion -v : returned 0
present.
JISS 1.5 is already present.
Checking JISS 0.9 ...
Checking pkg SUNWjiss-common... not present.
Checking pkg SUNWjiss-conf... not present.
Checking pkg SUNWjiss-extjars... not present.
Checking pkg SUNWjiss-indexapi... not present.
Checking pkg SUNWjiss-jmqc... not present.
Checking pkg SUNWjiss-rest... not present.
Checking pkg SUNWjiss-search... not present.
Checking pkg SUNWjiss-searchui... not present.
Checking pkg SUNWjiss-store... not present.
Checking pkg SUNWjiss-storeui... not present.
JISS 0.9 is not present.
Checking DA 7.0 ...
Checking pkg SUNWcommda...pkgparam -v SUNWcommda 2>&1
CLASSES='none'
BASEDIR='/opt/sun/comms/da'
INSTDATE='Aug 08 2014 17:32'
PKGSAB=' /var/sadm/pkg/SUNWcommda/save'
PKGINST='SUNWcommda'
PATCH_INFO_124581-09='Installed: Mon Jan 6 00:56:34 PST 2014 From: monks
Obsoletes: Requires: Incompatibles:'
PATCHLIST='124581-09'
VENDOR='Oracle Corporation'
SUNW_PRODVERS='7.0-9.00'
SUNW_PRODNAME='Delegated Administrator'
PSTAMP='monks20140106005625'
NAME='Delegated Administrator'
VERSION='7.0,REV=2009.03.31'
SUNW_PKGVERS='1.0'
PKG='SUNWcommda'
MAXINST='1000'
HOTLINE='Please contact your local service provider'

```



```

EMAIL=''
DESC='Delegated Administrator'
CATEGORY='application'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0

/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-v --installed '/opt/sun/comms/da' 2>&1
VERSION='7.0-9.00'
BUILDDATE='20140106'
UNAME='SunOS'
ARCH='sparc'
BITS='32'
ORCL_VERSION='7.0.0.9.0'
-- Exit status: 0

/opt/sun/comms/da/lib/getVersion -v 2>&1
VERSION='7.0-9.00'
BUILDDATE='20140106'
UNAME='SunOS'
ARCH='sparc'
BITS='32'
ORCL_VERSION='7.0.0.9.0'
-- Exit status: 0
INFO: DA /opt/sun/comms/da/lib/getVersion -v : returned 0
present.
DA 7.0 is already present.
Checking DA 6.4 ...
Checking pkg SUNWcomic... not present.
Checking pkg SUNWcomis... not present.
DA 6.4 is not present.
Checking MS_SCHA 7.0 ...
Checking pkg SUNWmessaging-server-scha...pkgparam -v
SUNWmessaging-server-scha 2>&1
CLASSES='none'
BASEDIR='/opt/sun/comms/msg_scha'
INSTDATE='Aug 08 2014 17:33'
PKGSAB='/var/sadm/pkg/SUNWmessaging-server-scha/save'
PKGINST='SUNWmessaging-server-scha'
PSTAMP='monks20080519103726'
SUNW_PKGVERS='1.0'
SUNW_PRODVERS='7.0-0.03'
SUNW_PRODNAME='Messaging Server Sun Cluster HA agent'
SUNW_PKG_THISZONE='false'
SUNW_PKG_HOLLOW='false'

```

```

SUNW_PKG_ALLZONES='false'
EMAIL=''
HOTLINE='Please contact your local service provider'
VENDOR='Sun Microsystems Inc.'
DESC='Sun Cluster Messaging Server Data Service'
CATEGORY='application'
MAXINST='1000'
NAME='Messaging Server Sun Cluster HA agent'
PKG='SUNWmessaging-server-scha'
VERSION='7.0,REV=2008.05.19'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0

/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci70
-v --installed '/opt/sun/comms/msg_scha' 2>&1
VERSION='7.0-0.03'
BUILDDATE='20080519'
UNAME='SunOS'
ARCH='sparc'
BITS='32'
-- Exit status: 0

/opt/sun/comms/msg_scha/lib/getVersion -v 2>&1
VERSION='7.0-0.03'
BUILDDATE='20080519'
UNAME='SunOS'
ARCH='sparc'
BITS='32'
-- Exit status: 0
INFO: MS_SCHA /opt/sun/comms/msg_scha/lib/getVersion -v : returned 0
present.
MS_SCHA 7.0 is already present.
Checking MS_SCHA 6.0 ...
Checking pkg SUNWscims... not present.
MS_SCHA 6.0 is not present.
Checking IM_SCHA 7.3 ...
Checking pkg SUNWiimsc...pkgparam -v SUNWiimsc 2>&1
CLASSES='none'
BASEDIR='/opt/sun/comms/im_scha'
INSTDATE='Aug 08 2014 17:33'
PKGSAV='/var/sadm/pkg/SUNWiimsc/save'
PKGINST='SUNWiimsc'
PATCH_INFO_137571-01='Installed: Thu Apr 3 22:46:20 PDT 2008 From: monks
Obsoletes: Requires: Incompatibles:'
PATCHLIST='137571-01'

```

```

SUNW_PRODVERS='7.3-01'
PSTAMP='monks20080403224613'
VERSION='7.3,REV=2008.01.07.20.24.34'
VENDOR='Sun Microsystems,Inc.'
SUNW_PRODNAME='Sun Cluster'
SUNW_PKGVERS='1.0'
PRODUCT_NAME='Sun Cluster'
PKG='SUNWiimsc'
NAME='Sun Cluster Instant Messaging Data Service'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun Cluster Instant Messaging Data Service'
CATEGORY='application'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0

/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-v --installed '/opt/sun/comms/im_scha' 2>&1
No code to determine installed version
-- Exit status: 2

INFO: IM_SCHA
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-v --installed '/opt/sun/comms/im_scha' : returned 2
No code to determine installed version

/opt/sun/comms/im_scha/lib/getVersion -v 2>&1
VERSION='7.3-01.02'
BUILDDATE='20080403'
UNAME='SunOS'
ARCH='sparc'
BITS='32'
-- Exit status: 0
present.
IM_SCHA 7.3 is already present.
Checking IM_SCHA 7.0 ...
Checking pkg SUNWiimsc... present but with a different pkg VERSION.
checking SUNWiimsc 7.0,REV=2005.08.03.09.41.41
NOTICE: Instant Messaging Sun Cluster HA agent is present with a
different pkg VERSION.
Checking MS 7.5_32 ...
MS 7.5_32 is not present.
Checking MS 6.3_32 ...
Checking pkg SUNWmsgin... not present.

```

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Checking pkg SUNWmsgen... not present.
Checking pkg SUNWmsglb... not present.
Checking pkg SUNWmsgco... not present.
Checking pkg SUNWmsgmt... not present.
Checking pkg SUNWmsgst... not present.
Checking pkg SUNWmsgmp... not present.
Checking pkg SUNWmsgwm... not present.
Checking pkg SUNWmsgmf... not present.
MS 6.3_32 is not present.
Checking MS 7.2_32 ...
Checking pkg SUNWmessaging-server... not present.
MS 7.2_32 is not present.
Checking MS 7.3_32 ...
MS 7.3_32 is not present.
Checking NAB 8.0 ...
Checking pkg SUNWnabserver...pkgparam -v SUNWnabserver 2>&1
CLASSES='none'
BASEDIR='/opt/sun/comms/nabserver'
INSTDATE='Aug 08 2014 17:33'
PKGSABV='/var/sadm/pkg/SUNWnabserver/save'
PKGINST='SUNWnabserver'
ARCH='sparc'
VERSION='8.0,REV=2014.05.22'
PKG='SUNWnabserver'
NAME='Oracle Communications Contacts Server'
MAXINST='1000'
CATEGORY='application'
DESC='Oracle Communications Contacts Server'
VENDOR='Oracle Corporation'
HOTLINE='Please contact your local service provider'
EMAIL=''
SUNW_PRODNAME='Oracle Communications Contacts Server'
SUNW_PRODVERS='8.0-0.52'
SUNW_PKGVERS='1.0'
PSTAMP='sca00bjy20140522195312'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0

/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
-v --installed '/opt/sun/comms/nabserver' 2>&1
VERSION='8.0-0.52'
BUILDDATE='20140522'
UNAME='SunOS'
ARCH='sparc'
BITS='32'
ORCL_VERSION='8.0.0.0.0'

```

```

-- Exit status: 0

/opt/sun/comms/nabserver/lib/getVersion -v 2>&1
VERSION='8.0-0.52'
BUILDDATE='20140522'
UNAME='SunOS'
ARCH='sparc'
BITS='32'
ORCL_VERSION='8.0.0.0.0'
-- Exit status: 0
INFO: NAB /opt/sun/comms/nabserver/lib/getVersion -v : returned 0
present.
NAB 8.0 is already present.
Checking MS_L10N 6.2 ...
Checking pkg SUNWmsgde... not present.
Checking pkg SUNWmsges... not present.
Checking pkg SUNWmsgfr... not present.
Checking pkg SUNWmsgja... not present.
Checking pkg SUNWmsgko... not present.
Checking pkg SUNWmsgzh... not present.
Checking pkg SUNWmsgtw... not present.
MS_L10N 6.2 is not present.
Checking MS_L10N 6.3 ...
Checking pkg SUNWmsg-l10n... not present.
MS_L10N 6.3 is not present.
Checking MS64_L10N 6.3 ...
Checking pkg SUNWmessaging-server-l10n-64... not present.
MS64_L10N 6.3 is not present.
Checking CS 6.3 ...
Checking pkg SUNWics5... not present.
Checking pkg SUNWica5... not present.
CS 6.3 is not present.
Checking CS_L10N 6.2 ...
Checking pkg SUNWdeics... not present.
Checking pkg SUNWesics... not present.
Checking pkg SUNWfrics... not present.
Checking pkg SUNWjaics... not present.
Checking pkg SUNWkoics... not present.
Checking pkg SUNWzhics... not present.
Checking pkg SUNWtwics... not present.
CS_L10N 6.2 is not present.
Checking CS_L10N 6.3 ...
Checking pkg SUNWics-l10n... not present.
CS_L10N 6.3 is not present.
Checking IM_L10N 7.0 ...
Checking pkg SUNWdiimc... not present.
Checking pkg SUNWdiimd... not present.
Checking pkg SUNWdimid... not present.
Checking pkg SUNWeiimc... not present.
Checking pkg SUNWeiimd... not present.
Checking pkg SUNWeiimin... not present.
Checking pkg SUNWeimid... not present.
Checking pkg SUNWfiimc... not present.
Checking pkg SUNWfiimd... not present.
Checking pkg SUNWfiimin... not present.
Checking pkg SUNWfimid... not present.

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Checking pkg SUNWjiimc... not present.
Checking pkg SUNWjiimd... not present.
Checking pkg SUNWjiimin... not present.
Checking pkg SUNWjimid... not present.
Checking pkg SUNWkiimc... not present.
Checking pkg SUNWkiimd... not present.
Checking pkg SUNWkiimin... not present.
Checking pkg SUNWkimid... not present.
Checking pkg SUNWciimc... not present.
Checking pkg SUNWciimd... not present.
Checking pkg SUNWciimin... not present.
Checking pkg SUNWcimid... not present.
Checking pkg SUNWhiimc... not present.
Checking pkg SUNWhiimd... not present.
Checking pkg SUNWhiimin... not present.
Checking pkg SUNWhimid... not present.
IM_L10N 7.0 is not present.
Checking IM_L10N 7.2 ...
Checking pkg SUNWiimc-l10n... not present.
Checking pkg SUNWiimd-l10n... not present.
Checking pkg SUNWiimid-l10n... not present.
Checking pkg SUNWiimin-l10n... not present.
IM_L10N 7.2 is not present.
Checking CE 6.3 ...
Checking pkg SUNWuwc... not present.
CE 6.3 is not present.
Checking CE_L10N 6.2 ...
Checking pkg SUNWduwc... not present.
Checking pkg SUNWeuwc... not present.
Checking pkg SUNWfuwc... not present.
Checking pkg SUNWjuwc... not present.
Checking pkg SUNWkuwc... not present.
Checking pkg SUNWcuwc... not present.
Checking pkg SUNWhuwc... not present.
CE_L10N 6.2 is not present.
Checking CE_L10N 6.3 ...
Checking pkg SUNWuwc-l10n... not present.
CE_L10N 6.3 is not present.
Checking CS_SCHA 6.0 ...
Checking pkg SUNWscics... not present.
CS_SCHA 6.0 is not present.
Checking CS_SCHA 6.3 ...
Checking pkg SUNWscics... not present.
CS_SCHA 6.3 is not present.
Detecting Installed Patches...
-- chk4patch 119963-27 /tmp/.patchout_20140808173417.21110 LIBCPLUSPLUS
-- new_chk4patch 119963-27 for LIBCPLUSPLUS: using pkg: SUNWlibc
5.10,REV=2004.12.22
-- Exact match found in PATCHLIST
LIBCPLUSPLUS patch 119963-27 is already present.
-- chk4patch 120900-04 /tmp/.patchout_20140808173417.21110 PATCHUTILS
-- new_chk4patch 120900-04 for PATCHUTILS: using pkg: SUNWpkgcmdsu
11.11,REV=2005.01.09.23.05
-- new_chk4patch 120900-04 for PATCHUTILS: using pkg: SUNWswmt
11.10,REV=2005.01.10.17.19
-- new_chk4patch 120900-04 for PATCHUTILS: using pkg:

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SUNWinstall-patch-utils-root 11.10,REV=2005.01.09.23.05
-- new_chk4patch 120900-04 for PATCHUTILS: using pkg: SUNWcsr
11.10.0,REV=2005.01.21.15.53
-- Exact match found in PATCHLIST
PATCHUTILS patch 120900-04 is already present.
-- chk4patch 121133-02 /tmp/.patchout_20140808173417.21110 PATCHUTILS
-- new_chk4patch 121133-02 for PATCHUTILS: using pkg: SUNWpkgcmds
11.11,REV=2005.01.09.23.05
-- new_chk4patch 121133-02 for PATCHUTILS: using pkg: SUNWswmt
11.10,REV=2005.01.10.17.19
-- new_chk4patch 121133-02 for PATCHUTILS: using pkg:
SUNWinstall-patch-utils-root 11.10,REV=2005.01.09.23.05
-- new_chk4patch 121133-02 for PATCHUTILS: using pkg: SUNWcsr
11.10.0,REV=2005.01.21.15.53
-- Exact match found in PATCHLIST
PATCHUTILS patch 121133-02 is already present.
-- chk4patch 119254-88 /tmp/.patchout_20140808173417.21110 PATCHUTILS
-- new_chk4patch 119254-88 for PATCHUTILS: using pkg: SUNWpkgcmds
11.11,REV=2005.01.09.23.05
-- Exact match found in PATCHLIST
PATCHUTILS patch 119254-88 is already present.
-- chk4patch 126868-04 /tmp/.patchout_20140808173417.21110 BZIP
-- new_chk4patch 126868-04 for BZIP: using pkg: SUNWbzip
11.10.0,REV=2005.01.08.05.16
-- Exact match found in PATCHLIST
BZIP patch 126868-04 is already present.
-- chk4patch 137321-01 /tmp/.patchout_20140808173417.21110 BZIP
-- new_chk4patch 137321-01 for BZIP: using pkg: SUNWbzip
11.10.0,REV=2005.01.08.05.16
-- Exact match found in PATCHLIST
BZIP patch 137321-01 is already present.
-- chk4patch 119254-88 /tmp/.patchout_20140808173417.21110 RECOMMENDED
-- new_chk4patch 119254-88 for RECOMMENDED: using pkg: SUNWckr
11.10.0,REV=2005.01.21.15.53
-- new_chk4patch 119254-88 for RECOMMENDED: using pkg: SUNWbzip
11.10.0,REV=2005.01.08.05.16
-- new_chk4patch 119254-88 for RECOMMENDED: using pkg: SUNWpkgcmds
11.11,REV=2005.01.09.23.05
-- Exact match found in PATCHLIST
RECOMMENDED patch 119254-88 is already present.
-- chk4patch 120272-28 /tmp/.patchout_20140808173417.21110 RECOMMENDED
-- new_chk4patch 120272-28 for RECOMMENDED: using pkg: SUNWckr
11.10.0,REV=2005.01.21.15.53
-- new_chk4patch 120272-28 for RECOMMENDED: using pkg: SUNWbzip
11.10.0,REV=2005.01.08.05.16
--Newer version found 120272-31
RECOMMENDED patch 120272-28 is already present.
-- chk4patch 147147-26 /tmp/.patchout_20140808173417.21110 RECOMMENDED
-- new_chk4patch 147147-26 for RECOMMENDED: using pkg: SUNWckr
11.10.0,REV=2005.01.21.15.53
-- new_chk4patch 147147-26 for RECOMMENDED: using pkg: SUNWbzip
11.10.0,REV=2005.01.08.05.16
-- new_chk4patch 147147-26 for RECOMMENDED: using pkg: SUNWpkgcmds
11.11,REV=2005.01.09.23.05
RECOMMENDED patch 147147-26 is not present.
-- chk4patch 125358-15 /tmp/.patchout_20140808173417.21110 NSS

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-- new_chk4patch 125358-15 for NSS: using pkg: SUNWpr
4.6.4,REV=2006.11.16.20.40
--Newer version found 125358-16
NSS patch 125358-15 is already present.
-- chk4patch 119345-08 /tmp/.patchout_20140808173417.21110 SASL
-- new_chk4patch 119345-08 for SASL: using pkg: SUNWsas1
2.17,REV=2004.04.06.15.24
-- Exact match found in PATCHLIST
SASL patch 119345-08 is already present.
-- chk4patch 136798-03 /tmp/.patchout_20140808173417.21110
LDAPCSKD6_TOOLS
-- new_chk4patch 136798-03 for LDAPCSKD6_TOOLS: using pkg:
SUNWldapcsdk-tools 6.00,REV=2006.12.11.00.08
-- Exact match found in PATCHLIST
LDAPCSKD6_TOOLS patch 136798-03 is already present.
-- chk4patch 119810-07 /tmp/.patchout_20140808173417.21110 ICU
-- new_chk4patch 119810-07 for ICU: using pkg: SUNWicu
1.2,REV=2005.01.06.14.13
-- Exact match found in PATCHLIST
ICU patch 119810-07 is already present.
-- chk4patch 125136-66 /tmp/.patchout_20140808173417.21110 JDK
-- new_chk4patch 125136-66 for JDK: using pkg: SUNWj6rt
1.6.0,REV=2006.11.29.05.57
-- new_chk4patch 125136-66 for JDK: using pkg: SUNWj6rtx
1.6.0,REV=2006.11.29.04.58
-- new_chk4patch 125136-66 for JDK: using pkg: SUNWj6dev
1.6.0,REV=2006.11.29.05.57
-- new_chk4patch 125136-66 for JDK: using pkg: SUNWj6dvx
1.6.0,REV=2006.11.29.04.58
-- new_chk4patch 125136-66 for JDK: using pkg: SUNWj6cfg
1.6.0,REV=2006.11.29.05.57
JDK patch 125136-66 is not present.
-- chk4patch 125137-66 /tmp/.patchout_20140808173417.21110 JDK
-- new_chk4patch 125137-66 for JDK: using pkg: SUNWj6rt
1.6.0,REV=2006.11.29.05.57
-- new_chk4patch 125137-66 for JDK: using pkg: SUNWj6rtx
1.6.0,REV=2006.11.29.04.58
-- new_chk4patch 125137-66 for JDK: using pkg: SUNWj6dev
1.6.0,REV=2006.11.29.05.57
-- new_chk4patch 125137-66 for JDK: using pkg: SUNWj6dvx
1.6.0,REV=2006.11.29.04.58
-- new_chk4patch 125137-66 for JDK: using pkg: SUNWj6cfg
1.6.0,REV=2006.11.29.05.57
JDK patch 125137-66 is not present.
-- chk4patch 119725-06 /tmp/.patchout_20140808173417.21110 LDAPJDK
-- new_chk4patch 119725-06 for LDAPJDK: using pkg: SUNWljdk
1.0,REV=2004.10.11.06.02
-- INFO: No pkgparams for pkg SUNWljdk 1.0,REV=2004.10.11.06.02
LDAPJDK patch 119725-06 is not present.
-- chk4patch 148582-06 /tmp/.patchout_20140808173417.21110 IMAPI
-- new_chk4patch 148582-06 for IMAPI: using pkg: SUNWiimd
9.0,REV=2011.09.05
-- Exact match found in PATCHLIST
IMAPI patch 148582-06 is already present.
-- chk4patch 137204-31 /tmp/.patchout_20140808173417.21110 MS64
-- new_chk4patch 137204-31 for MS64: using pkg: SUNWmessaging-server-64

```



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7.0,REV=2008.06.20
-- Exact match found in PATCHLIST
MS64 patch 137204-31 is already present.
-- chk4patch 118242-03 /tmp/.patchout_20140808173417.21110 DSSETUP
-- new_chk4patch 118242-03 for DSSETUP: using pkg: SUNWcomds
6.3,REV=2004.08.12
-- Exact match found in PATCHLIST
DSSETUP patch 118242-03 is already present.
-- chk4patch 118245-26 /tmp/.patchout_20140808173417.21110 DSSETUP
-- new_chk4patch 118245-26 for DSSETUP: using pkg: SUNWcomds
6.3,REV=2004.08.12
-- Exact match found in PATCHLIST
DSSETUP patch 118245-26 is already present.
-- chk4patch 142785-15 /tmp/.patchout_20140808173417.21110 DAV
-- new_chk4patch 142785-15 for DAV: using pkg: SUNWdavserver
7.0,REV=2009.08.27
-- Exact match found in PATCHLIST
DAV patch 142785-15 is already present.
-- chk4patch 148579-06 /tmp/.patchout_20140808173417.21110 IM
-- new_chk4patch 148579-06 for IM: using pkg: SUNWiimin
9.0,REV=2011.09.05
-- Exact match found in PATCHLIST
IM patch 148579-06 is already present.
-- chk4patch 142824-22 /tmp/.patchout_20140808173417.21110 JISS
-- new_chk4patch 142824-22 for JISS: using pkg: SUNWjiss
1.0,REV=2009.09.09
-- Exact match found in PATCHLIST
JISS patch 142824-22 is already present.
-- chk4patch 124581-09 /tmp/.patchout_20140808173417.21110 DA
-- new_chk4patch 124581-09 for DA: using pkg: SUNWcommda
7.0,REV=2009.03.31
-- Exact match found in PATCHLIST
DA patch 124581-09 is already present.
-- chk4patch 137571-01 /tmp/.patchout_20140808173417.21110 IM_SCHA
-- new_chk4patch 137571-01 for IM_SCHA: using pkg: SUNWiimsc
7.3,REV=2008.01.07.20.24.34
-- Exact match found in PATCHLIST
IM_SCHA patch 137571-01 is already present.
===== QQQ detectProducts =====
QQQ Dumper
!!! present
$VAR1 = {
  'IWC' => {
    '2.0' => 'DIFF_VERSION',
    '3.0' => 'PRESENT',
    '1.0' => 'DIFF_VERSION'
  },
  'SASL' => {
    '2.19' => 'PRESENT'
  },
  '119345-08' => 'PRESENT',
  'MS64_L10N' => {
    '6.3' => 'NOT_PRESENT'
  },
  '119725-06' => 'NOT_PRESENT',
  '119810-07' => 'PRESENT',

```

```

'MS' => {
'7.3_32' => 'NOT_PRESENT',
'7.2_32' => 'NOT_PRESENT',
'7.5_32' => 'NOT_PRESENT',
'6.3_32' => 'NOT_PRESENT'
},
'137571-01' => 'PRESENT',
'142785-15' => 'PRESENT',
'DSSETUP' => {
'6.4' => 'PRESENT'
},
'126868-04' => 'PRESENT',
'119254-88' => 'PRESENT',
'120900-04' => 'PRESENT',
'119963-27' => 'PRESENT',
'MQ_L10N' => {
'4.3' => 'DIFF_VERSION',
'3.7' => 'DIFF_VERSION',
'4.1' => 'DIFF_VERSION',
'4.4' => 'PRESENT'
},
'ICU' => {
'ICU2,ICU3' => 'PRESENT'
},
'120272-28' => 'PRESENT',
'MS64' => {
'7.5' => 'PRESENT',
'7.3_32' => 'NOT_PRESENT',
'7.5_32' => 'NOT_PRESENT',
'7.2_32' => 'NOT_PRESENT',
'6.3' => 'DIFF_VERSION',
'6.3_32' => 'NOT_PRESENT'
},
'DAV' => {
'7.4' => 'PRESENT'
},
'LDAPCSKD6' => {
'6.0' => 'PRESENT'
},
'CE' => {
'6.3' => 'NOT_PRESENT'
},
'JDK' => {
'1.6.0' => 'PRESENT',
'1.5.0' => 'PRESENT'
},
'MYSQL' => {
'5.1.36' => 'NOT_PRESENT',
'5.5.8' => 'NOT_PRESENT'
},
'PATCHUTILS' => {
'Unknown' => 'PRESENT'
},
'MQ' => {
'4.3' => 'DIFF_VERSION',
'3.7' => 'DIFF_VERSION',

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```

'4.1' => 'DIFF_VERSION',
'4.4' => 'PRESENT'
},
'124581-09' => 'PRESENT',
'125358-15' => 'PRESENT',
'CI' => {
'7.6' => 'PRESENT'
},
'IMAPI' => {
'8.0' => 'DIFF_VERSION',
'7.0' => 'DIFF_VERSION',
'7.3' => 'DIFF_VERSION',
'9.2' => 'PRESENT'
},
'137321-01' => 'PRESENT',
'LDAPCSKD6_TOOLS' => {
'6.0' => 'PRESENT'
},
'125136-66' => 'NOT_PRESENT',
'JISS' => {
'0.9' => 'NOT_PRESENT',
'1.5' => 'PRESENT'
},
'NSS' => {
'4.8.9' => 'PRESENT'
},
'CS_L10N' => {
'6.2' => 'NOT_PRESENT',
'6.3' => 'NOT_PRESENT'
},
'ST' => {
'1.1.4' => 'PRESENT'
},
'IM' => {
'8.3' => 'DIFF_VERSION',
'7.0' => 'DIFF_VERSION',
'7.3' => 'DIFF_VERSION',
'9.2' => 'PRESENT'
},
'RECOMMENDED' => {
'2013.02.19' => 'PRESENT'
},
'137204-31' => 'PRESENT',
'IM_L10N' => {
'7.2' => 'NOT_PRESENT',
'7.0' => 'NOT_PRESENT'
},
'NAB' => {
'8.0' => 'PRESENT'
},
'136798-03' => 'PRESENT',
'125137-66' => 'NOT_PRESENT',
'148579-06' => 'PRESENT',
'148582-06' => 'PRESENT',
'CS_SCHA' => {
'6.0' => 'NOT_PRESENT',

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'6.3' => 'NOT_PRESENT'
},
'LDAPJDK' => {
'4.21' => 'NOT_PRESENT'
},
'MYSQL_MARKER' => {
'1.1' => 'NOT_PRESENT',
'1.0' => 'NOT_PRESENT'
},
'BZIP' => {
'11.10' => 'PRESENT'
},
'142824-22' => 'PRESENT',
'IM_SCHA' => {
'7.0' => 'DIFF_VERSION',
'7.3' => 'PRESENT'
},
'MS_L10N' => {
'6.2' => 'NOT_PRESENT',
'6.3' => 'NOT_PRESENT'
},
'118245-26' => 'PRESENT',
'LIBCPLUSPLUS' => {
'5.9' => 'PRESENT'
},
'121133-02' => 'PRESENT',
'118242-03' => 'PRESENT',
'MS_SCHA' => {
'6.0' => 'NOT_PRESENT',
'7.0' => 'PRESENT'
},
'147147-26' => 'NOT_PRESENT',
'CS' => {
'6.3' => 'NOT_PRESENT'
},
'JHRT' => {
'2.0' => 'PRESENT'
},
'CE_L10N' => {
'6.2' => 'NOT_PRESENT',
'6.3' => 'NOT_PRESENT'
},
'DA' => {
'6.4' => 'NOT_PRESENT',
'7.0' => 'PRESENT'
}
};
!!! pkgparams
$VAR1 = {
'SUNWica5' => {},
'SUNWmsgja' => {},
'SUNWcomic' => {},
'SUNWservicetagu' => {
'1.1.4,REV=2008.03.21.07.54' => [
'SUNWservicetagu',
'/',

```

```

'1.1.4.1',
'',
[],
[],
'1.1.4,REV=2008.03.21.07.54'
]
},
'SUNwnabserver' => {
'8.0,REV=2014.05.22' => [
'SUNwnabserver',
'/opt/sun/comms/nabserver',
'8.0-0.52',
'',
[],
[],
'8.0,REV=2014.05.22'
]
},
'SUNwjimid' => {},
'SUNwdiuc' => {
'4.4,REV=2009.10.01.09.43.03' => [
'SUNwdiuc',
'',
'4.4.1.0',
'',
[],
[],
'4.4,REV=2009.10.01.09.43.03'
]
},
'SUNWmsgko' => {},
'SUNWics5' => {},
'SUNWmessaging-server-l10n-64' => {},
'SUNWiqlpl' => {},
'SUNWmsgco' => {},
'SUNWfiuc' => {
'4.4,REV=2009.10.01.09.42.16' => [
'SUNWfiuc',
'',
'4.4.1.0',
'',
[],
[],
'4.4,REV=2009.10.01.09.42.16'
]
},
'SUNWjiss-extjars' => {},
'SUNWjhdm' => {
'2.0,REV=2006.10.04' => [
'SUNWjhdm',
'/usr',
'2.0/FCS',
'',
[],
[],
'2.0,REV=2006.10.04'
]
}

```

```

]
},
'SUNWiqfs' => {
'4.4,REV=2009.08.27.08.33' => [
'SUNWiqfs',
'/',
'4.4.0.0',
'',
[],
[],
'4.4,REV=2009.08.27.08.33'
]
},
'SUNWfimid' => {},
'SUNWcomds' => {
'6.3,REV=2004.08.12' => [
'SUNWcomds',
'/opt/sun/comms/dssetup',
'6.4-26.01',
'',
[
'118242-03',
'118245-26'
],
[],
'6.3,REV=2004.08.12'
]
},
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'148579-06'
],
[],
'9.0,REV=2011.09.05'
]
}
};
!!! installedprod
$VAR1 = {
'IWC' => {
'3.0' => [
'/opt/sun/comms/iwc',
'3.0-1.0022',
'20140630',
'3',
'SunOS',
'sparc',
'32',
'',
'3.0.0.1.0'
]
},
'IM' => {
'9.2' => [
'/opt/sun/comms/im',
'9.2-06.7',
'20140625',
'9u2',

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```

'SunOS',
'sparc',
'64',
'',
'9.0.2.6.0'
]
},
'SASL' => {
'2.19' => [
'/',
'2.19',
'Not Found',
'2.19',
'Not Found',
'Not Found',
'Not Found',
'',
'Not Found'
]
},
'ST' => {
'1.1.4' => [
'/',
'1.1.4.1',
'Not Found',
'1.1.4',
'Not Found',
'Not Found',
'Not Found',
'',
'Not Found'
]
},
'RECOMMENDED' => {
'2013.02.19' => [
'/',
'5.10/Generic',
'Not Found',
'2013.02.19',
'Not Found',
'Not Found',
'Not Found',
'',
'Not Found'
]
},
'NAB' => {
'8.0' => [
'/opt/sun/comms/nabserver',
'8.0-0.52',
'20140522',
'8',
'SunOS',
'sparc',
'32',
'',

```

```

'8.0.0.0.0'
]
},
'DSSETUP' => {
'6.4' => [
'/opt/sun/comms/dssetup',
'6.4-26.01',
'20140418',
'6.4',
'SunOS',
'sparc',
'32',
'',
'6.4.0.26.0'
]
},
'MQ_L10N' => {
'4.4' => [
 '/',
'4.4.1.0',
'Not Found',
'4.4',
'Not Found',
'Not Found',
'Not Found',
'',
'Not Found'
]
},
'BZIP' => {
'11.10' => [
 '/',
'5.10/SunOS Development',
'Not Found',
'11.10',
'Not Found',
'Not Found',
'Not Found',
'',
'Not Found'
]
},
'IM_SCHA' => {
'7.3' => [
'/opt/sun/comms/im_scha',
'7.3-01.02',
'20080403',
'7.3',
'SunOS',
'sparc',
'32',
'',
'Not Found'
]
},
'ICU' => {

```

```

'ICU2,ICU3' => [
  '/usr',
  '10/Generic',
  'Not Found',
  'ICU2,ICU3',
  'Not Found',
  'Not Found',
  'Not Found',
  '',
  'Not Found'
],
'MS64' => {
  '7.5' => [
    '/opt/sun/comms/messaging64',
    '7.5-31.0',
    '20140505',
    '7u5',
    'SunOS',
    'sparc',
    '64',
    '',
    '7.0.5.31.0'
  ],
  'DAV' => {
    '7.4' => [
      '/opt/sun/comms/davserver',
      '7.4-15.10',
      '20140425',
      '7u4',
      'SunOS',
      'sparc',
      '32',
      '',
      '7.0.4.15.0'
    ],
    'LIBCPLUSPLUS' => {
      '5.9' => [
        '/',
        '5.10',
        'Not Found',
        '5.9',
        'Not Found',
        'Not Found',
        'Not Found',
        '',
        'Not Found'
      ],
      'LDAPCSDK6' => {
        '6.0' => [
          '/',
          '6.03',
          'Not Found',

```

```

'6.0',
'Not Found',
'Not Found',
'Not Found',
'',
'Not Found'
]
},
'JDK' => {
'1.6.0' => [
'/usr',
'1.6.0_26/1.6.0_26-b03',
'Not Found',
'1.6.0',
'Not Found',
'Not Found',
'Not Found',
'',
'Not Found'
]
},
'MS_SCHA' => {
'7.0' => [
'/opt/sun/comms/msg_scha',
'7.0-0.03',
'20080519',
'7.0',
'SunOS',
'sparc',
'32',
'',
'Not Found'
]
},
'PATCHUTILS' => {
'Unknown' => [
 '/',
'5.10',
'Not Found',
'Unknown',
'Not Found',
'Not Found',
'Not Found',
'',
'Not Found'
]
},
'MQ' => {
'4.4' => [
 '/',
'4.4.1.0',
'Not Found',
'4.4',
'Not Found',
'Not Found',
'Not Found'
]
}

```

```

'',
'Not Found'
],
},
'JHRT' => {
'2.0' => [
'/usr',
'2.0/FCS',
'Not Found',
'2.0',
'Not Found',
'Not Found',
'Not Found',
'',
'Not Found'
],
},
'IMAPI' => {
'9.2' => [
 '/',
'9.2-06.7',
'Not Found',
'9u2',
'Not Found',
'Not Found',
'Not Found',
'',
'Not Found'
],
},
'CI' => {
'7.6' => [
'/opt/sun/comms/CommsInstaller',
'7.6-0.10',
'20140701',
'7u6',
'SunOS',
'sparc',
'32',
'',
'7.0.6.0.0'
],
},
'DA' => {
'7.0' => [
'/opt/sun/comms/da',
'7.0-9.00',
'20140106',
'7',
'SunOS',
'sparc',
'32',
'',
'7.0.0.9.0'
],
},

```



```

'LDAPCSDK6_TOOLS' => {
'6.0' => [
'/opt/SUNWdsee',
'6.03',
'Not Found',
'6.0',
'Not Found',
'Not Found',
'Not Found',
'',
'Not Found'
],
},
'JISS' => {
'1.5' => [
'/opt/sun/comms/jiss',
'1.5-22.11300',
'20140528',
'1u5',
'SunOS',
'all',
'32',
'',
'1.0.5.22.0'
],
},
'NSS' => {
'4.8.9' => [
 '/',
'4.9.5',
'Not Found',
'4.8.9',
'Not Found',
'Not Found',
'Not Found',
'',
'Not Found'
],
}
};
!!! pkglist detectProducts
$VAR1 = {
'IWC' => {
'2.0' => [
'SUNWiwc',
'2.0,REV=2010.07.26'
],
'3.0' => [
'SUNWiwc',
'3.0,REV=2014.06.30'
],
'1.0' => [
'SUNWiwc',
'1.0,REV=2008.07.07'
]
},
},

```

```

'SASL' => {
'2.19' => [
'SUNWsas1',
'2.17,REV=2004.04.06.15.24'
]
},
'MS64_L10N' => {
'6.3' => [
'SUNWmessaging-server-l10n-64',
'6.3,REV=2007.05.09'
]
},
'MS' => {
'7.3_32' => [],
'7.2_32' => [
'SUNWmessaging-server',
'7.0,REV=2008.06.20'
],
'7.5_32' => [],
'6.3_32' => [
'SUNWmsgin',
'6.0,REV=2003.10.29',
'SUNWmsgen',
'6.0,REV=2003.10.29',
'SUNWmsglb',
'6.0,REV=2003.10.29',
'SUNWmsgco',
'6.0,REV=2003.10.29',
'SUNWmsgmt',
'6.0,REV=2003.10.29',
'SUNWmsgst',
'6.0,REV=2003.10.29',
'SUNWmsgmp',
'6.0,REV=2003.10.29',
'SUNWmsgwm',
'6.0,REV=2003.10.29',
'SUNWmsgmf',
'6.0,REV=2003.10.29'
]
},
'DSSETUP' => {
'6.4' => [
'SUNWcomds',
'6.3,REV=2004.08.12'
]
},
'MQ_L10N' => {
'4.3' => [
'SUNWfiqu',
'4.3,REV=2008.10.27.08.57.02',
'SUNWfiquc',
'4.3,REV=2008.10.27.08.57.05',
'SUNWdiqu',
'4.3,REV=2008.10.27.08.57.55',
'SUNWdiquc',
'4.3,REV=2008.10.27.08.57.58',

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'SUNwjiqu',
'4.3,REV=2008.10.27.09.00.27',
'SUNwjiquc',
'4.3,REV=2008.10.27.09.00.28',
'SUNweiqu',
'4.3,REV=2008.10.27.08.58.45',
'SUNweiquc',
'4.3,REV=2008.10.27.08.58.48',
'SUNwkiqu',
'4.3,REV=2008.10.27.08.59.36',
'SUNwkiquc',
'4.3,REV=2008.10.27.08.59.38',
'SUNwciqu',
'4.3,REV=2008.10.27.09.01.18',
'SUNwciquc',
'4.3,REV=2008.10.27.09.01.19',
'SUNwhiqu',
'4.3,REV=2008.10.27.09.02.09',
'SUNwhiquc',
'4.3,REV=2008.10.27.09.02.10'
],
'3.7' => [
'SUNwfiqu',
'3.7,REV=2006.09.28.02.20.49',
'SUNwfiquc',
'3.7,REV=2006.09.28.02.21.13',
'SUNwdiqu',
'3.7,REV=2006.09.28.02.20.38',
'SUNwdiquc',
'3.7,REV=2006.09.28.02.21.09',
'SUNwjiqu',
'3.7,REV=2006.09.02.02.06.39',
'SUNwjiquc',
'3.7,REV=2006.09.02.02.07.00',
'SUNweiqu',
'3.7,REV=2006.09.28.02.20.43',
'SUNweiquc',
'3.7,REV=2006.09.28.02.21.11',
'SUNwkiqu',
'3.7,REV=2006.09.28.02.20.59',
'SUNwkiquc',
'3.7,REV=2006.09.28.02.21.19',
'SUNwciqu',
'3.7,REV=2006.09.02.02.06.49',
'SUNwciquc',
'3.7,REV=2006.09.02.02.07.03',
'SUNwhiqu',
'3.7,REV=2006.10.28.02.59.24',
'SUNwhiquc',
'3.7,REV=2006.10.28.02.59.36'
],
'4.1' => [
'SUNwfiqu',
'4.1,REV=2007.08.02.12.38',
'SUNwfiquc',
'4.1,REV=2007.08.02.12.38',

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'SUNWdiqu',
'4.1,REV=2007.08.02.12.38',
'SUNWdiquc',
'4.1,REV=2007.08.02.12.38',
'SUNWjiqu',
'4.1,REV=2007.08.02.12.38',
'SUNWjiquc',
'4.1,REV=2007.08.02.12.38',
'SUNWeiQU',
'4.1,REV=2007.08.02.12.38',
'SUNWeiQUc',
'4.1,REV=2007.08.02.12.38',
'SUNWkiqu',
'4.1,REV=2007.08.02.12.38',
'SUNWkiquc',
'4.1,REV=2007.08.02.12.38',
'SUNWciqu',
'4.1,REV=2007.08.02.12.38',
'SUNWciquc',
'4.1,REV=2007.08.02.12.38',
'SUNWhiqu',
'4.1,REV=2007.08.02.12.38',
'SUNWhiquc',
'4.1,REV=2007.08.02.12.38'
],
'4.4' => [
'SUNWfiqu',
'4.4,REV=2009.10.01.09.42.14',
'SUNWfiquc',
'4.4,REV=2009.10.01.09.42.16',
'SUNWdiqu',
'4.4,REV=2009.10.01.09.42.59',
'SUNWdiquc',
'4.4,REV=2009.10.01.09.43.03',
'SUNWjiqu',
'4.4,REV=2009.10.01.09.45.16',
'SUNWjiquc',
'4.4,REV=2009.10.01.09.45.18',
'SUNWeiQU',
'4.4,REV=2009.10.01.09.43.44',
'SUNWeiQUc',
'4.4,REV=2009.10.01.09.43.47',
'SUNWkiqu',
'4.4,REV=2009.10.01.09.44.30',
'SUNWkiquc',
'4.4,REV=2009.10.01.09.44.32',
'SUNWciqu',
'4.4,REV=2009.10.01.09.46.01',
'SUNWciquc',
'4.4,REV=2009.10.01.09.46.03',
'SUNWhiqu',
'4.4,REV=2009.10.01.09.46.48',
'SUNWhiquc',
'4.4,REV=2009.10.01.09.46.50'
]
},

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```

'ICU' => {
'ICU2,ICU3' => [
'SUNWicu',
'1.2,REV=2005.01.06.14.13'
]
},
'MS64' => {
'7.5' => [
'SUNWmessaging-server-64',
'7.0,REV=2008.06.20'
],
'7.3_32' => [],
'7.5_32' => [],
'7.2_32' => [
'SUNWmessaging-server',
'7.0,REV=2008.06.20'
],
'6.3' => [
'SUNWmessaging-server-64',
'6.3,REV=2007.02.26'
],
'6.3_32' => [
'SUNWmsgin',
'6.0,REV=2003.10.29',
'SUNWmsgen',
'6.0,REV=2003.10.29',
'SUNWmsglb',
'6.0,REV=2003.10.29',
'SUNWmsgco',
'6.0,REV=2003.10.29',
'SUNWmsgmt',
'6.0,REV=2003.10.29',
'SUNWmsgst',
'6.0,REV=2003.10.29',
'SUNWmsgmp',
'6.0,REV=2003.10.29',
'SUNWmsgwm',
'6.0,REV=2003.10.29',
'SUNWmsgmf',
'6.0,REV=2003.10.29'
]
},
'DAV' => {
'7.4' => [
'SUNWdavserver',
'7.0,REV=2009.08.27'
]
},
'LDAPCSDK6' => {
'6.0' => [
'SUNWldapcsdk-libs',
'6.00,REV=2006.12.11.00.08',
'SUNWldapcsdk-dev',
'6.00,REV=2006.12.11.00.08'
]
},

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```

'CE' => {
'6.3' => [
'SUNWuwc',
'6.1, REV=2004.04.29'
]
},
'JDK' => {
'1.6.0' => [
'SUNWj6rt',
'1.6.0, REV=2006.11.29.05.57',
'SUNWj6rtx',
'1.6.0, REV=2006.11.29.04.58',
'SUNWj6dev',
'1.6.0, REV=2006.11.29.05.57',
'SUNWj6dvx',
'1.6.0, REV=2006.11.29.04.58',
'SUNWj6cfg',
'1.6.0, REV=2006.11.29.05.57'
],
'1.5.0' => [
'SUNWj5rt',
'1.5.0, REV=2004.12.07.00.07',
'SUNWj5rtx',
'1.5.0, REV=2004.12.06.22.09',
'SUNWj5cfg',
'1.5.0, REV=2004.12.07.00.07'
]
},
'MYSQL' => {
'5.1.36' => [
'mysql',
'5.1.36'
],
'5.5.8' => [
'mysql',
'5.5.8'
]
},
'MQ' => {
'4.3' => [
'SUNWiqr',
'4.3, REV=2008.11.07.18.44',
'SUNWiqu',
'4.3, REV=2008.11.07.18.44',
'SUNWiqdoc',
'4.3, REV=2008.11.07.18.44',
'SUNWiquc',
'4.3, REV=2008.11.07.18.44',
'SUNWiqum',
'4.3, REV=2008.11.07.18.44',
'SUNWiqjx',
'4.3, REV=2008.11.07.18.44',
'SUNWiqfs',
'4.3, REV=2008.11.07.18.44',
'SUNWiqcrt',
'4.3, REV=2008.11.07.18.44',

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```

'SUNWiqcdv',
'4.3,REV=2008.11.07.18.44',
'SUNWiqlen',
'4.3,REV=2008.11.07.18.45'
],
'3.7' => [
'SUNWiqr',
'3.7,REV=2006.06.18.22.34',
'SUNWiqu',
'3.7,REV=2006.06.18.22.34',
'SUNWiqtpl',
'3.7,REV=2006.06.18.22.35',
'SUNWiqdoc',
'3.7,REV=2006.06.18.22.35',
'SUNWiquc',
'3.7,REV=2006.06.18.22.35',
'SUNWiquum',
'3.7,REV=2006.06.18.22.35',
'SUNWiqjx',
'3.7,REV=2006.06.18.22.35',
'SUNWiqfs',
'3.7,REV=2006.06.18.22.35',
'SUNWiqcrt',
'3.7,REV=2006.06.18.22.35',
'SUNWiqcdv',
'3.7,REV=2006.06.18.22.35',
'SUNWiqlen',
'3.7,REV=2006.06.18.22.35'
],
'4.1' => [
'SUNWiqr',
'4.1,REV=2007.07.26.10.58',
'SUNWiqu',
'4.1,REV=2007.07.26.10.58',
'SUNWiqdoc',
'4.1,REV=2007.07.26.10.58',
'SUNWiquc',
'4.1,REV=2007.07.26.10.59',
'SUNWiquum',
'4.1,REV=2007.07.26.10.59',
'SUNWiqjx',
'4.1,REV=2007.07.26.10.59',
'SUNWiqfs',
'4.1,REV=2007.07.26.10.59',
'SUNWiqcrt',
'4.1,REV=2007.07.26.10.59',
'SUNWiqcdv',
'4.1,REV=2007.07.26.10.59'
],
'4.4' => [
'SUNWiqr',
'4.4,REV=2009.08.27.08.32',
'SUNWiqu',
'4.4,REV=2009.08.27.08.32',
'SUNWiqdoc',
'4.4,REV=2009.08.27.08.32',

```

```

'SUNWiquc',
'4.4,REV=2009.08.27.08.33',
'SUNWiqum',
'4.4,REV=2009.08.27.08.33',
'SUNWiqjx',
'4.4,REV=2009.08.27.08.33',
'SUNWiqfs',
'4.4,REV=2009.08.27.08.33',
'SUNWiqcrt',
'4.4,REV=2009.08.27.08.33',
'SUNWiqcdv',
'4.4,REV=2009.08.27.08.33',
'SUNWiqlen',
'4.4,REV=2009.08.27.08.33'
]
},
'PATCHUTILS' => {
'Unknown' => [
'SUNWpkgcmdsu',
'11.11,REV=2005.01.09.23.05',
'SUNWswmt',
'11.10,REV=2005.01.10.17.19',
'SUNWinstall-patch-utils-root',
'11.10,REV=2005.01.09.23.05',
'SUNWcsr',
'11.10.0,REV=2005.01.21.15.53',
'SUNWdtrc',
'11.10.0,REV=2005.01.21.15.53',
'SUNWzoneu',
'11.10.0,REV=2005.01.21.15.53'
]
},
'CI' => {
'7.6' => [
'SUNWcomms',
'7.6,REV=2014.07.01'
]
},
'IMAPI' => {
'8.0' => [
'SUNWiimd',
'8.0,REV=2008.12.04'
],
'7.0' => [
'SUNWiimd',
'7.0,REV=2004.11.24.05.24.36'
],
'7.3' => [
'SUNWiimd',
'7.3,REV=2008.01.15'
],
'9.2' => [
'SUNWiimd',
'9.0,REV=2011.09.05'
]
},
},

```



```

'LDAPCSDK6_TOOLS' => {
'6.0' => [
'SUNWldapcsdk-tools',
'6.00,REV=2006.12.11.00.08'
]
},
'JISS' => {
'0.9' => [
'SUNWjiss-common',
'1.0,REV=2009.08.17',
'SUNWjiss-conf',
'1.0,REV=2009.08.17',
'SUNWjiss-extjars',
'1.0,REV=2009.08.17',
'SUNWjiss-indexapi',
'1.0,REV=2009.08.17',
'SUNWjiss-jmqc',
'1.0,REV=2009.08.17',
'SUNWjiss-rest',
'1.0,REV=2009.08.17',
'SUNWjiss-search',
'1.0,REV=2009.08.17',
'SUNWjiss-searchui',
'1.0,REV=2009.08.17',
'SUNWjiss-store',
'1.0,REV=2009.08.17',
'SUNWjiss-storeui',
'1.0,REV=2009.08.17'
],
'1.5' => [
'SUNWjiss',
'1.0,REV=2009.09.09'
]
},
'NSS' => {
'4.8.9' => [
'SUNWpr',
'4.6.4,REV=2006.11.16.20.40',
'SUNWprd',
'4.6.4,REV=2006.11.16.20.40',
'SUNWtls',
'3.11.4,REV=2006.11.16.20.40',
'SUNWtlsd',
'3.11.4,REV=2006.11.16.20.40',
'SUNWtlsu',
'3.11.4,REV=2006.11.16.20.40',
'SUNWjss',
'4.2.4,REV=2006.11.16.20.40'
]
},
'CS_L10N' => {
'6.2' => [
'SUNWdeics',
'6.0,REV=2003.11.14.15.16.33',
'SUNWesics',
'6.0,REV=2003.11.14.15.16.33',

```

```

'SUNWfrics',
'6.0,REV=2003.11.14.15.16.33',
'SUNWjaics',
'6.0,REV=2003.11.14.15.16.33',
'SUNWkoics',
'6.0,REV=2003.11.14.15.16.33',
'SUNWzhics',
'6.0,REV=2003.11.14.15.16.33',
'SUNWtwics',
'6.0,REV=2003.11.14.15.16.33'
],
'6.3' => [
'SUNWics-l10n',
'6.3,REV=2007.01.05.03.20.27'
]
},
'ST' => {
'1.1.4' => [
'SUNWservicetagr',
'1.1.4,REV=2008.03.21.07.54',
'SUNWservicetagu',
'1.1.4,REV=2008.03.21.07.54',
'SUNWstosreg',
'1.1.4,REV=2008.03.21.07.54'
]
},
'IM' => {
'8.3' => [
'SUNWiim',
'8.0,REV=2008.12.04',
'SUNWiimin',
'8.0,REV=2008.12.04',
'SUNWiimm',
'8.0,REV=2008.12.04',
'SUNWiimjd',
'8.0,REV=2008.12.04',
'SUNWiimid',
'8.0,REV=2008.12.04',
'SUNWiimc',
'8.0,REV=2008.12.04',
'SUNWiimd',
'8.0,REV=2008.12.04',
'SUNWiimgw',
'8.0,REV=2008.12.04'
],
'7.0' => [
'SUNWiimin',
'7.0,REV=2004.11.24.05.24.36',
'SUNWiim',
'7.0,REV=2004.11.24.05.24.36',
'SUNWiimm',
'7.0,REV=2004.11.24.05.24.36',
'SUNWiimjd',
'7.0,REV=2004.11.24.05.24.36',
'SUNWiimid',
'7.0,REV=2004.11.24.05.24.36',

```

```

'SUNWiimc',
'7.0,REV=2004.11.24.05.24.36',
'SUNWiimd',
'7.0,REV=2004.11.24.05.24.36'
],
'7.3' => [
'SUNWiim',
'7.3,REV=2008.01.15',
'SUNWiimin',
'7.3,REV=2008.01.15',
'SUNWiimm',
'7.3,REV=2008.01.15',
'SUNWiimjd',
'7.3,REV=2008.01.15',
'SUNWiimid',
'7.3,REV=2008.01.15',
'SUNWiimc',
'7.3,REV=2008.01.15',
'SUNWiimd',
'7.3,REV=2008.01.15'
],
'9.2' => [
'SUNWiimin',
'9.0,REV=2011.09.05',
'SUNWiim',
'9.0,REV=2011.09.05',
'SUNWiimm',
'9.0,REV=2011.09.05',
'SUNWiimjd',
'9.0,REV=2011.09.05',
'SUNWiimid',
'9.0,REV=2011.09.05',
'SUNWiimgw',
'9.0,REV=2011.09.05',
'SUNWiimw',
'9.0,REV=2011.09.05',
'SUNWiimfed',
'9.0,REV=2011.09.05'
]
},
'RECOMMENDED' => {
'2013.02.19' => [
'SUNWckr',
'11.10.0,REV=2005.01.21.15.53',
'SUNWbzip',
'11.10.0,REV=2005.01.08.05.16',
'SUNWpkgcmdsu',
'11.11,REV=2005.01.09.23.05'
]
},
'IM_L10N' => {
'7.2' => [
'SUNWiimc-l10n',
'7.2,REV=2006.12.19.04.40.00',
'SUNWiimd-l10n',
'7.2,REV=2006.10.26.04.19.15',

```

```

'SUNWiimid-l10n',
'7.2,REV=2006.10.26.04.19.19',
'SUNWiimin-l10n',
'7.2,REV=2006.10.26.04.19.22'
],
'7.0' => [
'SUNWdiimc',
'7.0,REV=2004.11.24.05.29',
'SUNWdiimd',
'7.0,REV=2004.11.24.05.29',
'SUNWdimid',
'7.0,REV=2004.11.24.05.29',
'SUNWeiimc',
'7.0,REV=2004.11.24.05.29',
'SUNWeiimd',
'7.0,REV=2004.11.24.05.29',
'SUNWeiimin',
'7.0,REV=2004.11.24.05.29',
'SUNWeimid',
'7.0,REV=2004.11.24.05.29',
'SUNWfiimc',
'7.0,REV=2004.11.24.05.30',
'SUNWfiimd',
'7.0,REV=2004.11.24.05.30',
'SUNWfiimin',
'7.0,REV=2004.11.24.05.30',
'SUNWfimid',
'7.0,REV=2004.11.24.05.30',
'SUNWjiimc',
'7.0,REV=2004.11.24.05.26',
'SUNWjiimd',
'7.0,REV=2004.11.24.05.26',
'SUNWjiimin',
'7.0,REV=2004.11.24.05.26',
'SUNWjimid',
'7.0,REV=2004.11.24.05.26',
'SUNWkiimc',
'7.0,REV=2004.11.24.05.26',
'SUNWkiimd',
'7.0,REV=2004.11.24.05.27',
'SUNWkiimin',
'7.0,REV=2004.11.24.05.26',
'SUNWkimid',
'7.0,REV=2004.11.24.05.27',
'SUNWciimc',
'7.0,REV=2004.11.24.05.27',
'SUNWciimd',
'7.0,REV=2004.11.24.05.27',
'SUNWciimin',
'7.0,REV=2004.11.24.05.27',
'SUNWcimid',
'7.0,REV=2004.11.24.05.27',
'SUNWhiimc',
'7.0,REV=2004.11.24.05.28',
'SUNWhiimd',
'7.0,REV=2004.11.24.05.28',

```

```

'SUNWhiimin',
'7.0,REV=2004.11.24.05.28',
'SUNWhimid',
'7.0,REV=2004.11.24.05.28'
],
},
'NAB' => {
'8.0' => [
'SUNWnabserver',
'8.0,REV=2014.05.22'
],
},
'CS_SCHA' => {
'6.0' => [
'SUNWscics',
'6.0,REV=2003.11.14'
],
'6.3' => [
'SUNWscics',
'6.3,REV=2008.03.31.18.10.20'
],
},
'LDAPJDK' => {
'4.21' => [
'SUNWljdk',
'1.0,REV=2004.10.11.06.02'
],
},
'BZIP' => {
'11.10' => [
'SUNWbzip',
'11.10.0,REV=2005.01.08.05.16'
],
},
'MYSQL_MARKER' => {
'1.1' => [
'SUNWcomms-mysql-marker',
'1.1,REV=2011.09.09'
],
'1.0' => [
'SUNWcomms-mysql-marker',
'1.0,REV=2009.09.09'
],
},
'IM_SCHA' => {
'7.0' => [
'SUNWiimsc',
'7.0,REV=2005.08.03.09.41.41'
],
'7.3' => [
'SUNWiimsc',
'7.3,REV=2008.01.07.20.24.34'
],
},
'MS_L10N' => {
'6.2' => [

```

```

'SUNWmsgde',
'6.0,REV=2003.10.10',
'SUNWmsges',
'6.0,REV=2003.10.10',
'SUNWmsgfr',
'6.0,REV=2003.10.10',
'SUNWmsgja',
'6.0,REV=2003.10.10',
'SUNWmsgko',
'6.0,REV=2003.10.10',
'SUNWmsgzh',
'6.0,REV=2003.10.10',
'SUNWmsgtw',
'6.0,REV=2003.10.10'
],
'6.3' => [
'SUNWmsg-l10n',
'6.3,REV=2006.12.20'
]
},
'LIBCPLUSPLUS' => {
'5.9' => [
'SUNWlibc',
'5.10,REV=2004.12.22'
]
},
'MS_SCHA' => {
'6.0' => [
'SUNWscims',
'6.0,REV=2003.10.29'
],
'7.0' => [
'SUNWmessaging-server-scha',
'7.0,REV=2008.05.19'
]
},
'CS' => {
'6.3' => [
'SUNWics5',
'6.0,REV=2003.11.14.18.12.58',
'SUNWica5',
'6.0,REV=2003.11.14.18.12.58'
]
},
'JHRT' => {
'2.0' => [
'SUNWjhrt',
'2.0,REV=2006.10.31',
'SUNWjhdev',
'2.0,REV=2006.10.04',
'SUNWjhdem',
'2.0,REV=2006.10.04',
'SUNWjhdoc',
'2.0,REV=2006.10.04'
]
},

```

```

'CE_L10N' => {
'6.2' => [
'SUNWduwc',
'6.1, REV=2004.04.23',
'SUNWeuwc',
'6.1, REV=2004.04.23',
'SUNWfuwc',
'6.1, REV=2004.04.23',
'SUNWjuwc',
'6.1, REV=2004.04.23',
'SUNWkuwc',
'6.1, REV=2004.04.23',
'SUNWcuwc',
'6.1, REV=2004.04.23',
'SUNWhuwc',
'6.1, REV=2004.04.23'
],
'6.3' => [
'SUNWuwc-l10n',
'6.1, REV=2006.12.14.03.02.41'
]
},
'DA' => {
'6.4' => [
'SUNWcomic',
'1.0, REV=2003.10.29',
'SUNWcomis',
'1.0, REV=2003.10.29'
],
'7.0' => [
'SUNWcommda',
'7.0, REV=2009.03.31'
]
}
};
===== End QQQ detectProducts =====
-----
Product Selection:

Communication Products:

Item Description
-----
1 Messaging Server (64bit) 7.0.5.31.0
Installed Version at /opt/sun/comms/messaging64
2 Comms DSsetup 6.4.0.26.0
Installed Version at /opt/sun/comms/dssetup
3 Calendar Server 7.0.4.15.0
Installed Version at /opt/sun/comms/davserver
4 Instant Messaging 9.0.2.6.0
Installed Version at /opt/sun/comms/im
5 Convergence 3.0.0.1.0
Installed Version at /opt/sun/comms/iwc
6 Indexing and Search Service 1.0.5.22.0
Installed Version at /opt/sun/comms/jiss
7 Comms Delegated Administrator 7.0.0.9.0

```

```

Installed Version at /opt/sun/comms/da
8 Messaging Server Sun Cluster HA agent 7.0 (7.0-0.03)
Installed Version at /opt/sun/comms/msg_scha
9 Instant Messaging Sun Cluster HA agent 7.3 (7.3-01.02)
Installed Version at /opt/sun/comms/im_scha
10 Contacts Server 8.0.0.0.0
Installed Version at /opt/sun/comms/nabserver

Enter the items you wish to uninstall. Enter q to quit.
You can enter multiple items using commas to separate them.
For example: 1,2

Please select the products you wish to uninstall [1, 2, 3, 4, 5, 6, 7,
8, 9, 10]:
=====
QQQ selections: MS64 7.5 DSSETUP 6.4 DAV 7.4 IM 9.2 IWC 3.0 JISS 1.5 DA
7.0 MS_SCHA 7.0 IM_SCHA 7.3 NAB 8.0
WILL UNINSTALL: Messaging Server (64bit) 7.0.5.31.0
at /opt/sun/comms/messaging64
Task: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWmessaging-server-64
WILL UNINSTALL: Comms DSsetup 6.4.0.26.0
at /opt/sun/comms/dssetup
Task: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWcomds
WILL UNINSTALL: Calendar Server 7.0.4.15.0
at /opt/sun/comms/davserver
Task: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWdavserver
WILL UNINSTALL: Instant Messaging 9.0.2.6.0
at /opt/sun/comms/im
Task: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWiimfed
Task: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWiimw
Task: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWiimgw
Task: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWiimid
Task: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWiimjd
Task: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWiimm
Task: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWiim
Task: pkgrm -n -a

```



```

/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWiimin
WILL UNINSTALL: Convergence 3.0.0.1.0
at /opt/sun/comms/iwc
Task: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWiwc
WILL UNINSTALL: Indexing and Search Service 1.0.5.22.0
at /opt/sun/comms/jiss
Task: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWjiss
WILL UNINSTALL: Comms Delegated Administrator 7.0.0.9.0
at /opt/sun/comms/da
Task: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWcommda
WILL UNINSTALL: Messaging Server Sun Cluster HA agent 7.0 (7.0-0.03)
at /opt/sun/comms/msg_scha
Task: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWmessaging-server-scha
WILL UNINSTALL: Instant Messaging Sun Cluster HA agent 7.3 (7.3-01.02)
at /opt/sun/comms/im_scha
Task: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWiimsc
WILL UNINSTALL: Contacts Server 8.0.0.0.0
at /opt/sun/comms/nabserver
Task: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWnabserver
=====
Ready to uninstall

Do you want to continue ? [yes] :

=====
Uninstalling Messaging Server (64bit) 7.0.5.31.0 at
/opt/sun/comms/messaging64)...
----- Executing Task 1 of 17 ...
pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWmessaging-server-64 2>&1

Removal of <SUNWmessaging-server-64> was successful.
-- Exit status: 0

=====
Uninstalling Comms DSsetup 6.4.0.26.0 at /opt/sun/comms/dssetup)...
----- Executing Task 2 of 17 ...
pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWcomds 2>&1

Removal of <SUNWcomds> was successful.

```

```
-- Exit status: 0

=====
Uninstalling Calendar Server 7.0.4.15.0 at /opt/sun/comms/davserver)...
----- Executing Task 3 of 17 ...
pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWdavserver 2>&1

Removal of <SUNWdavserver> was successful.
-- Exit status: 0

=====
Uninstalling Instant Messaging 9.0.2.6.0 at /opt/sun/comms/im)...
----- Executing Task 4 of 17 ...
pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWiimfed 2>&1

Removal of <SUNWiimfed> was successful.
-- Exit status: 0
----- Executing Task 5 of 17 ...
pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWiimw 2>&1

Removal of <SUNWiimw> was successful.
-- Exit status: 0
----- Executing Task 6 of 17 ...
pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWiimgw 2>&1

Removal of <SUNWiimgw> was successful.
-- Exit status: 0
----- Executing Task 7 of 17 ...
pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWiimid 2>&1

Removal of <SUNWiimid> was successful.
-- Exit status: 0
----- Executing Task 8 of 17 ...
pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWiimjd 2>&1

Removal of <SUNWiimjd> was successful.
-- Exit status: 0
----- Executing Task 9 of 17 ...
pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWiimm 2>&1

Removal of <SUNWiimm> was successful.
-- Exit status: 0
```

```

----- Executing Task 10 of 17 ...
pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWiim 2>&1
Configuration file /opt/sun/comms/im/sbin/../config/iim.conf is missing,
exiting
Shutting down IM services..
Configuration file /opt/sun/comms/im/sbin/../config/iim.conf is missing,
exiting

Removal of <SUNWiim> was successful.
-- Exit status: 0
----- Executing Task 11 of 17 ...
pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWiimin 2>&1

Removal of <SUNWiimin> was successful.
-- Exit status: 0

=====
Uninstalling Convergence 3.0.0.1.0 at /opt/sun/comms/iwc)...
----- Executing Task 12 of 17 ...
pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWiwc 2>&1

Removal of <SUNWiwc> was successful.
-- Exit status: 0

=====
Uninstalling Indexing and Search Service 1.0.5.22.0 at
/opt/sun/comms/jiss)...
----- Executing Task 13 of 17 ...
pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWjiss 2>&1

Removal of <SUNWjiss> was successful.
-- Exit status: 0

=====
Uninstalling Comms Delegated Administrator 7.0.0.9.0 at
/opt/sun/comms/da)...
----- Executing Task 14 of 17 ...
pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWcommda 2>&1

Removal of <SUNWcommda> was successful.
-- Exit status: 0

=====
Uninstalling Messaging Server Sun Cluster HA agent 7.0 (7.0-0.03) at
/opt/sun/comms/msg_scha)...
----- Executing Task 15 of 17 ...

```

```
pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWmessaging-server-scha 2>&1
```

Removal of <SUNWmessaging-server-scha> was successful.
-- Exit status: 0

```
=====
Uninstalling Instant Messaging Sun Cluster HA agent 7.3 (7.3-01.02) at
/opt/sun/comms/im_scha)...
----- Executing Task 16 of 17 ...
pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWiimsc 2>&1
```

Removal of <SUNWiimsc> was successful.
-- Exit status: 0

```
=====
Uninstalling Contacts Server 8.0.0.0.0 at /opt/sun/comms/nabserver)...
----- Executing Task 17 of 17 ...
pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWnabserver 2>&1
```

Removal of <SUNWnabserver> was successful.
-- Exit status: 0

```
=====
SUMMARY:
```

```
PASSED: Task 1: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWmessaging-server-64
PASSED: Task 2: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWcomds
PASSED: Task 3: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWdavserver
PASSED: Task 4: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWiimfed
PASSED: Task 5: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWiimw
PASSED: Task 6: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWiimgw
PASSED: Task 7: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWiimid
PASSED: Task 8: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWiimjd
PASSED: Task 9: pkgrm -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
```

```

SUNWiimm
PASSED: Task 10: pkgmgr -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWiim
PASSED: Task 11: pkgmgr -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWiimin
PASSED: Task 12: pkgmgr -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWiwc
PASSED: Task 13: pkgmgr -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWjiss
PASSED: Task 14: pkgmgr -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWcommda
PASSED: Task 15: pkgmgr -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWmessaging-server-scha
PASSED: Task 16: pkgmgr -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWiimsc
PASSED: Task 17: pkgmgr -n -a
/net/comms-nfs.host1.example.com/export/megan/wspace/dl111122/releases/ci76
SUNWnabserver

All tasks PASSED
Checking JES java symlink...
ls -l /usr/jdk /usr/java 2>&1
lrwxrwxrwx 1 root other 15 Nov 6 2013 /usr/java -> jdk/jdk1.6.0_26

/usr/jdk:
total 10
drwxr-xr-x 4 root bin 4 Jun 12 2012 instances
lrwxrwxrwx 1 root other 7 Jun 12 2012 j2sdk1.4.2_32 -> ../j2se
lrwxrwxrwx 1 root other 18 Feb 26 2013 jdk1.5.0_12 -> instances/jdk1.5.0
lrwxrwxrwx 1 root other 18 Nov 6 2013 jdk1.6.0_26 -> instances/jdk1.6.0
lrwxrwxrwx 1 root other 11 Nov 6 2013 latest -> jdk1.6.0_26
drwxr-xr-x 8 root bin 8 Nov 6 2013 packages
-- Exit status: 0
ls -l /usr/jdk/entsys-j2se /usr/jdk/latest 2>&1
/usr/jdk/entsys-j2se: No such file or directory
lrwxrwxrwx 1 root other 11 Nov 6 2013 /usr/jdk/latest -> jdk1.6.0_26
-- Exit status: 2
ls -lL /usr/jdk/entsys-j2se /usr/jdk/latest 2>&1
/usr/jdk/entsys-j2se: No such file or directory
/usr/jdk/latest:
total 38080
-rw-r--r-- 1 root bin 3339 May 4 2011 COPYRIGHT
-rw-r--r-- 1 root bin 40 May 4 2011 LICENSE
-rw-r--r-- 1 root bin 115 May 4 2011 README.html
-rw-r--r-- 1 root bin 20320 Nov 29 2006 README_ja.html
-rw-r--r-- 1 root bin 15160 Nov 29 2006 README_zh_CN.html
-rw-r--r-- 1 root bin 183173 May 4 2011 THIRDPARTYLICENSEREADME.txt
drwxr-xr-x 3 root bin 49 Nov 6 2013 bin
drwxr-xr-x 11 root bin 12 Jun 12 2012 demo

```

```

drwxr-xr-x 3 root bin 8 Nov 6 2013 include
drwxr-xr-x 6 root bin 11 Nov 6 2013 jre
drwxr-xr-x 3 root bin 11 Nov 6 2013 lib
drwxr-xr-x 6 root bin 6 Jun 12 2012 man
-r--r--r-- 1 root other 6646 Nov 6 2013 register.html
-r--r--r-- 1 root other 8092 Nov 6 2013 register_ja.html
-r--r--r-- 1 root other 6249 Nov 6 2013 register_zh_CN.html
drwxr-xr-x 10 root bin 10 Jun 12 2012 sample
-rw-r--r-- 1 root bin 19103364 May 4 2011 src.zip
-- Exit status: 2
INFO: no update to /etc/softlist.xml required

Hit Return to Continue:
=====
-- unlink /tmp/.patchout_20140808173417.21110
mkdir -p /var/opt/CommsInstaller/logs 2>&1
-- Exit status: 0

NOTICE: silent file created in:
/var/opt/CommsInstaller/logs/silent_CommsInstaller_20140808173417

```

```
-- Closing the log at Fri Aug 8 17:34:46 2014  
[531 Fri Aug 08 17:35:09 root@host% /home/user/wspace/releases/ci76# ]
```

Uninstalling Communications Suite 7.0.6 in Silent Mode

Uninstalling Oracle Communications Unified Communications Suite 7.0.6 in Silent Mode

If you run the uninstaller in Silent mode, you are running a non-interactive session. The uninstallation inputs are taken from a silent uninstallation file (also known as a state file), from command line arguments, or defaults.

To run a silent uninstallation, follow these steps:

1. Run an interactive uninstallation session.
A state file similar to
`/var/opt/CommsInstaller/logs/silent_CommsInstaller_20130130090040` is automatically created.



Note

The silent installation and uninstallation files have the same syntax and file naming convention. To determine if it is an installation or uninstallation silent file consult the value of the VERB property.

2. Copy the state file to each host machine and edit the file as needed.
3. Run the silent uninstallation on each host. See usage in [commpkg uninstall 7.0.6 Usage](#).



Note

Command-line arguments override the values and arguments in the state file.

The following is a sample uninstall silent file:

```
#
# Silent File for CommsInstaller 7.0.6.0.0 (7.6-0.00)
# Generated on 20140528175523
#

#
# verb used to create this silent file
VERB=upgrade

#
# alternate distro path if not found where compkg resides
#   and no --distro switch specified is
#
ALTDISTROPATH=/export

#
# flag to indicate whether to perform pkg overwrite if the pkg already
# exists
#
PKGOVERWRITE=no
```



```

#
# flag to indicate whether to exclude OS patches
EXCLUDEOS=no

#
# flag to indicate whether to exclude shared components
#
EXCLUDEESC=no

#
# flag to indicate that all SC should or should not be upgraded without
# prompt
#
UPGRADEESC=no

#
# INSTALLROOT friendly name
#
INSTALLNAME=

#
# flag to indicate whether to perform upgrade using pkgrm/pkgadd
UPGRADEESC=no

#
# INSTALLROOT friendly name
#
INSTALLNAME=

#
# flag to indicate whether to perform upgrade using pkgrm/pkgadd
#
USEPKGUPGRADE=yes

#
# flag to indicate whether to skip OS Level Check
#
SKIPOSLEVELCHECK=no

#
# list of components (using mnemonics)
#

```

COMPONENTS=NAB
COMPONENT_VERSIONS= 8.0, REV=2014.05.19

Using the ALTROOT 7.0.6 Command-Line Argument

Using the ALTROOT 7.0.6 | name Command-Line Argument

Topics:

- [About the Alternate Root](#)
- [ALTROOT | name Syntax and Examples](#)
- [Understanding INSTALLROOT and ALTROOT](#)
- [Running Multiple Installations of the Same Product on One Host: Conflicting Ports](#)

About the Alternate Root

The Communications Suite installer enables you to install multiple copies of the same product version on the same Solaris OS machine or Solaris zone by using the alternate root feature of the `commpkg install` command. For example, you might deploy a host with an installation in the default root directory, `/opt/sun/comms`, and a second, separate installation in the `/opt/sun/comms2` alternate root directory. The alternate root installation directory is the top-level directory underneath which the Communications Suite component products and shared components are installed in their respective directories.

Some possible uses for multiple installations include:

1. Performing a side-by-side upgrade. For more information about the side-by-side upgrade scenario, see [Using the Side-by-Side Strategy to Upgrade Messaging Server](#).
2. Installing the symmetric HA scenario.
3. Enabling an installation to be easily moved from one machine to another.



Note

The alternate root feature is available only on Solaris OS. This feature is a "power user" feature. If you are interested in installing more than one instance of the same version of a Communications Suite product on the same physical host, another option is to use Solaris zones. For more information, see [Installing Communications Suite 7.0.6 on Solaris Zones](#).

ALTROOT | name Syntax and Examples

The Communications Suite installer uses the optional `ALTROOT | name` command-line argument to the `commpkg install`, `commpkg upgrade`, `commpkg uninstall`, and `commpkg verify` commands. You use either `ALTROOT` or `name`. The `name` acts as an alias for the alternate root installation path. The `name` is registered in an internal software list maintained by the installer. You can use the `name` in place of the alternate root's path in commands that accept the alternate root. The distinction between the alternate root and name is that the alternate root always begins with a slash (/) whereas the name does not.

Syntax:

```
commpkg [install | upgrade | uninstall | verify] [ALTROOT | name]
```

Example 1:

```
./commpkg install /opt/sun/comms2
```

In this example, the path `/opt/sun/comms2` is the alternate root, which becomes the top-level directory underneath which the Communications Suite component products and shared components are installed.

Example 2:

```
./commpkg install Comms2
```

In this example, `Comms2` is the name for the alternate root. During the installation process, the installer prompts you to type in the alternate root installation directory.

Example 3:

In this example, you avoid installing the shared components in the alternate root by using the `--excludeSC` option:

```
./commpkg install --excludeSC /opt/sun/comms2
```

Example 4:

To install only the shared components, run `commpkg install` and select the product you want to install, but prepend a tilde (`~`).

For example, if you plan to install Messaging Server in the alternate root, you select `~1` during the default installation. This tells the installer to install the dependencies but not the product itself.

Notes on the `ALTROOT | name` command-line argument:

- Specifying a slash (`/`) as an alternate root is the same as specifying the default root installation directory. That is, specifying a slash is interpreted by the Installer as having specified no alternate root.
- Likewise, specifying `""` as an alternate root is interpreted as having specified no alternate root. (The "friendly name" for the default alternate root is `""`.)
- If you specify the `--installroot` option in addition to `ALTROOT | name`, the two must match.
- Operating system patches are always installed into the default root (`/`). Some shared components are installed into the `ALTROOT` and some are installed into the default root (`/`). MySQL Server is an example of a shared component that is always installed into the default root.
- You can quickly uninstall an `ALTROOT` installation by using the `rm -r` command on the alternate root directory. The next time that you run the `commpkg info` command, the internal software list that maintains the alternate root information is updated.
- The `--altroot [name]` argument has been deprecated in favor of the `ALTROOT | name` argument.
- You can create as many alternate roots as you like. Running the `commpkg info` command reports on the various alternate roots.

Understanding INSTALLROOT and ALTROOT

The following concepts define an alternate root (`ALTROOT`):

- An alternate root directory is a Solaris OS feature that is used by `commpkg` to enable multiple installations of Communications Suite products on the same host.
- The default alternate root is the standard root directory (`/`) and is always present.

The following concepts define an installation root (`INSTALLROOT`):

- An *INSTALLROOT* is the top-level umbrella installation path for the Communications Suite products.
- On the default alternate root (that is, /), you can specify an *INSTALLROOT*.
- On an alternate root, the *INSTALLROOT* is the same as the alternate root.

What Is the Default?

If you use the default root, the default *INSTALLROOT* is:

```
/opt/sun/comms/
```

Example Using Both a Default Root and Alternate Root

Suppose you want to install one instance of the Communications Suite products in the `/opt/sun/mycompany/comms/` directory, and another instance of the same products in the `/opt/sun/mycompany/comms2/` directory. You would use the following commands:

For the default root:

```
./commpkg install --installroot /opt/sun/mycompany/comms
```

For the alternate root:

```
commpkg install /opt/sun/mycompany/comms2/
```

Running Multiple Installations of the Same Product on One Host: Conflicting Ports

By default, after you initially configure the product on alternate roots, the ports used by the different product installations are the same and thus conflict with each other.

This is not a problem if you install multiple installations of the same product on the same host but only intend to have one instance running at one time. For example, you may perform a side-by-side upgrade scenario in which you plan to stop the old instance before you start the new instance.

However, you may plan to test the new instance while the old instance is still running (and supporting end users). In this scenario, the ports are used simultaneously.

There are two ways to resolve this conflict:

- Configure individual ports
- Use a multi-home configuration

These approaches are described in the following sections.

Configuring Individual Ports

See [Configuring Communications Suite 7.0.6 Individual Ports](#).

Configuring a Host to Be Multi-Homed

See [Configuring a Communications Suite 7.0.6 Host to be Multi-Homed](#).

Chapter 18. Communications Suite 7.0.6 New Features

Oracle Communications Unified Communications Suite 7.0.6 New Features

This document summarizes the features in Oracle Communications Unified Communications Suite 7.0.6 that are new or have been enhanced since Oracle Communications Suite Unified Communications Suite 7.0.5 for the following components:

Oracle Communications Unified Communications Suite Products and Components Version 7.0.6

Product	Version
Oracle Communications Calendar Server	7.0.4.15.0
Oracle Communications Connector for Microsoft Outlook	8.0.2.0.0
Oracle Communications Contacts Server	8.0
Oracle Communications Convergence	3.0.0.1.0
Oracle Communications Delegated Administrator	7.0.0.9.0
Oracle Communications Indexing and Search Service	1.0.5.22.0
Oracle Communications Instant Messaging Server	9.0.2.6.0
Oracle Communications Messaging Server	7.0.5.31.0
Messaging Server HA Agent (MS_SCHA)	7
Instant Messaging HA Agent (IM_SCHA)	7.3
Dssetup for Oracle Communications Unified Communications Suite (comm_dssetup)	6.4.0.26.0

Check for current patches that have shipped since the initial Communications Suite 7.0.6 release on My Oracle Support at:

<https://support.oracle.com>

This document contains the following sections:

- [New Features in Messaging Server 7.0.5.31.0](#)
- [New Features in Convergence 3.0.0.1.0](#)
- [New Features in Calendar Server 7.0.4.15.0](#)
- [New Feature in Calendar Server 7.0.4.16.0](#)
- [New Features in Indexing and Search Service 1.0.5.22.0](#)
- [New Features in Indexing and Search Service 1.0.5.23.0](#)
- [New Feature in Indexing and Search Service 1.0.5.24.0](#)
- [New Features in Instant Messaging Server 9.0.2.6.0](#)
- [New Features in Delegated Administrator 7.0.0.9.0](#)
- [New Features in Connector for Microsoft Outlook 8.0.2.0.0](#)
- [New Features in DSsetup 6.4.0.26.0](#)

New Features in Messaging Server 7.0.5.31.0

There are no new features in Messaging Server 7.0.5.31.0. It contains bug fixes, only.

New Features in Convergence 3.0.0.1.0

Convergence 3.0.0.1.0 includes the following changed and new features:

- [Facebook Integration](#)
- [Advertising Configuration Files](#)
- [WebRTC Support](#)

Facebook Integration

Facebook integration with Convergence is not currently working due to changes Facebook made to their APIs, interfaces, and application registration approval. Oracle is exploring potential solutions and will provide an update when a solution is available.

Advertising Configuration Files

The advertising configuration files have been moved in Convergence 3.0.0.1.0. If you enabled and used advertising in Convergence 3.0.0.0, you need to update the advertising `Plugin.js` file in Convergence 3.0.0.1.0. For more information, see [18449572](#).

WebRTC Support

WebRTC (Web Real Time Communication) is a standards-based API definition that enables browser-to-browser (P2P) applications for voice, video, and screen sharing. It does not require the use of web browser plug-ins or downloads. Convergence can be extended to incorporate voice calling, video calling, and screen sharing with the use of WebRTC. Convergence integrates with Oracle Communications WebRTC Session Controller Signaling Engine (WSC), a gateway server and signaling mechanism, to extend WebRTC functionality within the Convergence UI.

You can access voice, video, and screen sharing through Instant Messaging and Address Book in the Convergence UI.

For an architectural overview of how Convergence works with WebRTC, and for information on administering and configuring Convergence with WebRTC, see *Convergence System Administrator's Guide*.

The following functionality is available in this release:

Integration with Oracle Communications WebRTC Session Controller Signaling Engine (WSC)

Convergence uses WSC as a signaling channel to coordinate the communication between peers and to send control messages to start and end communication between peers as well as to report errors.

WSC also exchanges network configuration information and media capability with other communication channels. Signaling between peers must be successful before streaming can begin.

The WSC must be installed and configured before integrating it with Convergence. For more information on the WSC, see the [WebRTC Session Controller Signaling Engine \(WSC\) documentation](#).

Voice and Video Calls

Once WSC is integrated with Convergence, a Convergence user can initiate a voice call with either a contact on the buddy list or by using the dialer. In addition, a Convergence user can initiate a video call with a contact on the buddy list.

Users need a camera and appropriate web browser as described in [Supported Browser Versions for Convergence Clients](#).

Multi-party Calls

With multi-party calls, you can connect to more than one buddy as either a multi-party voice or video call. If a Convergence user wants to add an additional buddy to the call, he can put the first buddy on hold while establishing the second call.

Upgrade Functionality from Chat to Voice to Video

You can move from a chat to a voice call and from a voice call to a video call. You do not need to end the voice call to transfer to the video call. This upgrade functionality can be performed in multi-party voice and video calls as well. If any of your buddies decline your upgrade request from a multi-party voice call to a multi-party video call, that buddy is disconnected from the call. You can simultaneously have a text chat while on a voice call or video call. So in addition to upgrading from a text chat to a voice or video call, a Convergence user can use the text chat function from same window where the voice or video call is occurring.

Screen Sharing

A user can share his screen in a voice or video call. Screen sharing is not enabled for voice calls that are initiated with the dialer.

Authentication

The WSC web socket application is protected. Convergence uses Trusted Circle SSO to authenticate users to access WSC. In turn, WSC leverages the WebLogic Server's security provider mechanism to authenticate the user.

For an authentication overview, and for information on configuring authentication between Convergence and WebRTC, see *Convergence System Administrator's Guide*.

New Features in Calendar Server 7.0.4.15.0

There are no new features in Calendar Server 7.0.4.15.0. It contains bug fixes, only.

New Feature in Calendar Server 7.0.4.16.0

Calendar Server 7.0.4.16.0 introduces the `-v` option to the `davadmin calendar list -a user` command, that displays a summary for all calendars belonging to the user.

New Features in Indexing and Search Service 1.0.5.22.0

Indexing and Search Service 1.0.5.22.0 includes the following changes and new features:

- [Indexing and Search Service Web Services Proxy](#)
- [Tools to Migrate from Java 6 to Java 7](#)
- [New Command](#)
- [New Command Options](#)
- [New Configuration Parameters](#)

Indexing and Search Service Web Services Proxy

Starting with version 1.0.5.22.0, Indexing and Search Service provides a Web Services Proxy (`isshttpd`). The Web Services Proxy is a standalone Java daemon that Convergence utilizes to route search and thumbnail requests to the correct ISS web services host. For more information, see "Installing and Configuring Indexing and Search Service Web Services Proxy" in *Indexing and Search Service System Administrator's Guide*.

Tools to Migrate from Java 6 to Java 7

Starting with version 1.0.5.22.0, ISS provides tools to identify which data you must reindex when migrating from Java 6 to Java 7. These tools also help you to manage indexing these accounts to minimize the Java 7 changes. For more information, see "About Migrating from Java 6 to Java 7" in *Indexing and Search Service System Administrator's Guide*.

New Command

ISS 1.0.5.22.0 introduces the `isshttpdmgr` command to administer the `isshttpd` service. For more information, see the `isshttpdmgr` documentation in *Indexing and Search Service System Administrator's Guide*.

New Command Options

ISS 1.0.5.22.0 includes the following new `issadmin.sh` command options:

- `--checkstore --detail DEEPCHECK`: Monitors the progress of the deep checking.
- `--reboot`: For use with the `--setautobootlist` option, informs the autobootstrap processing to delete the account if it already exists before reindexing it.

For more information, see the `issadmin.sh` documentation in *Indexing and Search Service System Administrator's Guide*.

ISS 1.0.5.22.0 includes the following new `checkIss` command option:

- `-B`: Checks dIndex backups for account state corruption.

For more information, see the `checkIss` documentation in *Indexing and Search Service System Administrator's Guide*.

New Configuration Parameters

ISS 1.0.5.22.0 introduces the following configuration parameters:

- `iss.indexsvc.periodic.autosync.deepcheck.enable`: Identifies which accounts to reindex for Java 7.
- `iss.isshttpd.*`: These parameters set the configuration for the ISS Web Services Proxy. For more information, see the topic on configuration parameters in *Indexing and Search Service System Administrator's Guide*.

New Features in Indexing and Search Service 1.0.5.23.0

Indexing and Search Service 1.0.5.23.0, which shipped after Communications Suite 7.0.6, includes the following changes and new features:

- [Configuration Parameter Changes](#)

- [Globalization and Logging](#)
- [New Configuration Parameter](#)
- [Support for Secure Sockets Layer Between Convergence and isshttpd Proxy](#)

Configuration Parameter Changes

Indexing and Search Service 1.0.5.23.0 changes the `iss.store.account.maxgroup` and `iss.store.account.pergroup` configuration parameters such that after initialization, you can increase but not decrease the value.

Globalization and Logging

To correctly log non-English content, all Indexing and Service Service must be started with UTF-8 encoding. Starting with Indexing and Search Service 1.0.5.23.0, you must add the following JVM option to all ISS services in the `jiss.conf` file:

```
-Dfile.encoding=UTF-8
```

For example:

```
# JVM options to the Index Svc process
java.args.indexsvc = -XX:PermSize=100m -XX:MaxPermSize=100m
-XX:+CMSClassUnloadingEnabled -XX:+UseConcMarkSweepGC -XX:+UseParNewGC
-XX:+CMSParallelRemarkEnabled -XX:ParallelGCThreads=8
-XX:+UseCMSInitiatingOccupancyOnly -XX:CMSInitiatingOccupancyFraction=50
-XX:+CMSScavengeBeforeRemark -XX:SurvivorRatio=6
-XX:MaxTenuringThreshold=15 -XX:+PrintGCDetails -XX:+PrintGCDateStamps
-XX:+PrintTenuringDistribution -Xloggc:/tmp/iss-indexsvc.gclog
-Dfile.encoding=UTF-8
```

New Configuration Parameter

Indexing and Search Service 1.0.5.23.0 introduces the following configuration parameter:

- `iss.searchsvc.defaultsort`: Specifies sort order for all searches. The default for this parameter is empty, that is `" "`. You can use any sort criteria as described in "Indexing and Search Service Query and Sort Criteria Summary" in *Indexing and Search Service System Administrator's Guide*, or the following new flag sort fields:
 - answered
 - deleted
 - draft
 - flagged
 - seen

Support for Secure Sockets Layer Between Convergence and isshttpd Proxy

The current `isshttpd` proxy implementation enables encryption between the `isshttpd` proxy and the web services tier on the Indexing and Search Services installation. Starting in ISS 1.0.5.23.0, encryption is expanded to include SSL for all wire communications.

New Feature in Indexing and Search Service 1.0.5.24.0

Indexing and Search Service 1.0.5.24.0, which shipped after Communications Suite 7.0.6, includes the following change and new feature:

- [Enhancements for SSL V3.0 "Poodle" Vulnerability](#)

Enhancements for SSL V3.0 "Poodle" Vulnerability

Indexing and Search Service 1.0.5.24 includes enhancements in response to the SSL V3.0 "Poodle" vulnerability, as described in CVE-2014-3566. Starting with version 1.0.5.24, Indexing and Search Service only uses TLS for encryption and does not fall back to SSLv3.

New Features in Instant Messaging Server 9.0.2.6.0

For new features in Instant Messaging Server 9.0.2.6.0, see *Instant Messaging Server Release Notes* on the Oracle Documentation site at:

<http://www.oracle.com/technetwork/indexes/documentation/oracle-communications-185806.html>

New Features in Delegated Administrator 7.0.0.9.0

There are no new features in Delegated Administrator 7.0.0.9.0. It contains bug fixes, only.

New Features in Connector for Microsoft Outlook 8.0.2.0.0

For new features in Connector for Microsoft Outlook 8.0.2.0.0, see *Connector for Microsoft Outlook Release Notes* on the Oracle Documentation site at:

<http://www.oracle.com/technetwork/indexes/documentation/oracle-communications-185806.html>.

New Features in DSsetup 6.4.0.26.0

Dssetup 6.4.0.26.0 includes the following new feature:

- [New Attribute](#)

New Attribute

The corpDirectoryUrl attribute has been added to the Contacts Server domain schema.

Chapter 19. Communications Suite 7.0.6 Release Notes

Oracle Communications Unified Communications Suite 7.0.6 Release Notes

This page contains release information, feature descriptions, known problems, requirements, and other information about the following products for Oracle Communications Unified Communications Suite:

- [Common Release Information for Communications Suite 7.0.6](#)
- [Calendar Server 7.0.4.15.0 Release Notes](#)
- [Connector for Microsoft Outlook 8.0.2.0.0 Release Notes](#)
- [Convergence 3.0.0.1.0 Release Notes](#)
- [Delegated Administrator 7.0.0.9.0 Release Notes](#)
- [Indexing and Search Service 1.0.5.22.0 Release Notes](#)
- [Instant Messaging Server 9.0.2.6.0 Release Notes](#)
- [Messaging Server 7.0.5.31.0 Release Notes](#)

Common Release Information for Communications Suite 7.0.6

Common Release Information for Oracle Communications Unified Communications Suite 7.0.6

These release notes contain important release information that is common to all component products of Oracle Communications Unified Communications Suite 7.0.6.

Topics:

- [About Oracle Communications Unified Communications Suite 7.0.6](#)
- [New Features in This Release of Communications Suite](#)
- [Deprecated and Removed Components and Features for Communications Suite](#)
- [Requirements for Communications Suite 7.0.6](#)
- [Locating Patches for Communications Suite Products](#)
- [Communications Suite Installation and Upgrade Notes](#)
- [Known Problems in Communications Suite](#)
- [Documentation Updates](#)

Third-party URLs are referenced in this document and provide additional, related information.

About Oracle Communications Unified Communications Suite 7.0.6

The Oracle Communications Unified Communications Suite integrates a number of server and client products to support distributed communication and collaboration applications.

The Oracle Communications Unified Communications Suite 7.0.6 release includes the following components:

Oracle Communications Unified Communications Suite Products and Components Version 7.0.6

Product	Version
Oracle Communications Calendar Server	7.0.4.15.0
Oracle Communications Connector for Microsoft Outlook	8.0.2.0.0
Oracle Communications Contacts Server	8.0
Oracle Communications Convergence	3.0.0.1.0
Oracle Communications Delegated Administrator	7.0.0.9.0
Oracle Communications Indexing and Search Service	1.0.5.22.0
Oracle Communications Instant Messaging Server	9.0.2.6.0
Oracle Communications Messaging Server	7.0.5.31.0
Messaging Server HA Agent (MS_SCHA)	7
Instant Messaging HA Agent (IM_SCHA)	7.3
Dssetup for Oracle Communications Unified Communications Suite (comm_dssetup)	6.4.0.26.0

Check for current patches that have shipped since the initial Communications Suite 7.0.6 release on My Oracle Support at:
<https://support.oracle.com>

See the following release notes on individual component products:

- [Convergence 3.0.0.1.0 Release Notes](#)
- [Calendar Server 7.0.4.15.0 Release Notes](#)
- [Messaging Server 7.0.5.31.0 Release Notes](#)
- [Indexing and Search Service 1.0.5.22.0 Release Notes](#)
- [Instant Messaging Server 9.0.2.6.0 Release Notes](#)
- [Delegated Administrator 7.0.0.9.0 Release Notes](#)
- [Connector for Microsoft Outlook 8.0.2.0.0 Release Notes](#)

New Features in This Release of Communications Suite

See the [Communications Suite 7.0.6 New Features](#) document.

Deprecated and Removed Components and Features for Communications Suite

Support for the following components and features may have been removed in this or a previous release, or may be eliminated in a future release:

- [Calendar Server 7 and GlassFish Server 2.1.1](#)
- [Directory Server 5 and 6](#)
- [Connector for Microsoft Outlook 7.1 , 7.2, and 7.2 Update 1](#)
- [Instant Messaging](#)
- [Communications Sync](#)
- [Support for Access Manager and Sun OpenSSO](#)
- [Communications Suite Installer and Unbundling of MySQL, Java, and Shared Products](#)
- [Oracle GlassFish Server Message Queue](#)

Calendar Server 7 and GlassFish Server 2.1.1

Starting with Calendar Server 7.0.4.14.0, support for GlassFish Server 2.1.1 is deprecated and may be removed in a future release. Starting with Calendar Server 7.0.4.14.0, you must use GlassFish Server 3 (3.1.2.8) as the web container. For information on upgrading from GlassFish Server 2.1.1 to GlassFish Server 3, see [Installing GlassFish Server 3.1.2](#).

Directory Server 5 and 6

Starting with Communications Suite 7.0.6, support for Directory Server 5 has been removed. Directory Server 6 support is deprecated and may be removed in a future release.

Connector for Microsoft Outlook 7.1 , 7.2, and 7.2 Update 1

Going forward, no new features will be added to the Connector for Microsoft Outlook 7.1, 7.2, and 7.2 Update 1. They have been deprecated in favor of Connector for Microsoft Outlook 8. Connector for Microsoft Outlook 7.3 is in maintenance mode. Support for Microsoft Windows 2000 (Service Pack 3 or later) and Microsoft Windows XP has been deprecated. In addition, support for Outlook 2003 has also been deprecated.

Instant Messaging

For deprecated and removed features, see *Instant Messaging Server Release Notes* on the Oracle Documentation site at:

<http://www.oracle.com/technetwork/indexes/documentation/oracle-communications-185806.html>

Communications Sync

Going forward, no new features will be added to Communications Sync. All versions of Communications Sync have been deprecated.

Support for Access Manager and Sun OpenSSO

Support for Access Manager 7.x and Sun OpenSSO 8.x has been deprecated. Instant Messaging and Delegated Administrator optionally utilize Access Manager and/or Sun OpenSSO for single sign-on, authentication, and policy options.

The following table describes available options for impacted products.

Deprecated Support for Access Manager 7.x and Sun OpenSSO 8.x

Communications Suite Product	Access Manager and OpenSSO Features Used by Communications Suite Product	Impact of Access Manager and OpenSSO Deprecation of Support	Current Alternatives and Solutions to Mitigate Impact
Convergence 2.x and earlier Convergence 3.0.0.1.0 and greater do not support Access Manager or Sun OpenSSO.	Authentication, SSO (legacy and realm modes)	For new customers: no supported identity product for authentication and SSO	See: Create a Custom Convergence SSO Authentication Plug-in and Create a Custom Authentication Convergence Module
Instant Messaging Server	As of Instant Messaging Server 9.0.2, Access Manager support is removed.	No out-of-the-box OpenSSO solution	• Authentication: Use LDAP or create an Instant Messaging Server Custom SSO module • SSO: Create an Instant Messaging Custom SSO module • Policy: Assign access privileges by using policies
Delegated Administrator	Authentication, LDAP Access (legacy mode)	Access Manager Mode of LDAP access is no longer available	Switch to Direct LDAP mode

Support for OpenSSO will continue for existing customers while they migrate to other SSO and authentication solutions.



Note

OpenSSO Single Sign-on only works with Sun Enterprise GlassFish Server 2.1.1 Patch 7 and earlier patches.

Communications Suite Installer and Unbundling of MySQL, Java, and Shared Products

Starting with the Communications Suite 7 Update 3 release, MySQL is no longer bundled with Communications Suite. You must download and install it separately if you choose to use it as the Calendar Server database. See [Get the Software to Install Communications Suite 7.0.6](#) for details on how to obtain the software. See [Installation Scenario - Calendar Server 7.0.4.15.0](#) for installation details.

Starting with the Communications Suite 7 Update 3 release, Java is no longer bundled with Communications Suite. You must download and install it separately. See [Get the Software to Install Communications Suite 7.0.6](#) for details on how to obtain the software. See [Installing Java For Communications Suite 7.0.6](#) for installation details.

In future versions of the Communications Suite Installer, shared components, OS patches, and OS components may no longer be bundled. To see a list of the potentially affected components, run the following command:

```
commpkg info --listPackages
```

Products listed in a "Product Group" other than "Comms" are subject to removal in a future version of the Communications Suite Installer.

Oracle GlassFish Server Message Queue

Oracle GlassFish Server Message Queue C SDK (also known as OpenMQ and JMQ) is deprecated. Oracle reserves the right to change the underlying protocol and the JMS provider to provide Java JMS support for notifications in a future release. In the event this happens, the JMQ C SDK will cease to interoperate. Communications Suite supports the use of Java JMS (presently with the Oracle GlassFish Message Queue provider) and the ENS C API.

Requirements for Communications Suite 7.0.6

This section describes the operating system, patch, client software, and any additional software requirements for this release of Communications Suite. This section contains the following topics:

- [Product Version Compatibility Requirements](#)
- [Convergence: Product Version Compatibility Requirements](#)
- [Memory and Disk Space Requirements](#)
- [Operating System Requirements](#)
- [System Virtualization Support](#)
- [High Availability Support](#)
- [Browser Requirements for Communications Suite Clients](#)
- [Additional Software Requirements for Individual Communications Suite Components](#)

Product Version Compatibility Requirements

This section answers the following questions:

- Which products are required to support the Communications Suite products? The Product Version Compatibility Requirements for Communications Suite 7.0.6 table lists the products and versions that are compatible with the Communications Suite 7.0.6 products.
- To install a particular Communications Suite product, which other components do I need? The [Communications Suite 7.0.6 Component Dependencies](#) table lists the individual Communications Suite products and shows the components on which they depend, including other Communications Suite components.

The following table shows the other products required by Communications Suite 7.0.6. For information about requirements for these products, refer to the individual product's release notes.

Version Compatibility Requirements for Communications Suite 7.0.6

Product	Version	Required or Optional?
Oracle Directory Server Enterprise Edition (formerly Sun Java System Directory Server)	6.x, 7, 11gR1 Patch Set 2 (11.1.1.7.0)	Required. Use 6.3 or greater. If doing a fresh installation, 11gR1 is recommended.
Oracle GlassFish Message Queue	4.4 Update 1	Optional. Communications Suite installer automatically installs Message Queue as a shared component for Messaging Server as well as for Indexing and Search Service.
Oracle GlassFish Server	3.1.2.8	Required as web container for Calendar Server 7.0.4.15.0 and Convergence 3.0.0.1.0, optionally can be web container for Indexing and Search Service 1.0.5.22.0 and Instant Messaging Server 9.0.2.6.0.
Sun GlassFish Enterprise Server	2.1.1 Patch 20, patch IDs 128643-34 (Solaris SPARC), 128644-34 (Solaris x86), and 128645-34 (Linux)	Use as the web container for Delegated Administrator 7.0.0.9.0.
Oracle Communications Converged Application Server	5.1	Optional. For use with Instant Messaging 9 and SIP/SIMPLE deployments.
Oracle Communications WebRTC Session Controller Signaling Engine (WSC): integrates with Convergence to extend WebRTC functionality within the UI.	WSC Server Version 7.0.1, Patch 18709675	Optional. For use with WebRTC functionality in Convergence 3.0.0.1.0.

The following table shows the web container support by component product in this release.

Web Containers Supported in Oracle Communications Unified Communications Suite Version 7.0.6

Component Product	GlassFish Server 3	GlassFish Server 2.1.1	Application Server 9.1 Update 2	Application Server 8	Application Server 7	Oracle iPlanet Web Server 7.0 Update 2
Calendar Server 7.0.4.15.0	Supported	Not supported	Not supported	Not supported	Not supported	Not supported
Convergence 3.0.0.1.0	Supported	Not supported	Not supported	Not supported	Not supported	Not supported
Delegated Administrator 7.0.0.9.0	Not Supported	Supported	Supported	Supported	Supported	Supported
Delegated Administrator 7.0.0.10.0 (not included in UCS 7.0.6)	Supported	Supported	Supported	Supported	Supported	Supported
Indexing and Search Service 1.0.5.22.0	Supported	Supported	Not supported	Not supported	Not supported	Not supported

For Contacts Server 8.0 and Instant Messaging Server 9.0.2.6.0, see the system requirements topic in *Contacts Server Installation and Configuration Guide* and *Instant Messaging Server Installation and*

Configuration Guide on the Oracle Documentation site at:

<http://www.oracle.com/technetwork/indexes/documentation/oracle-communications-185806.html>

Notes:

The default installation paths for GlassFish Server 2.1.1. and Application Server 9 are the following:

Base installation directory: /opt/SUNWappserver

Domain directory: /opt/SUNWappserver/domains/domain1

Document root directory: /opt/SUNWappserver/domains/domain1/docroot

The default installation paths for Application Server 8 are the following:

Base installation directory: /opt/SUNWappserver/appserver

Domain directory: /var/opt/SUNWappserver/domains/domain1

Document root directory: /var/opt/SUNWappserver/domains/domain1/docroot

With GlassFish Server, you might see an expired CA certificate error in your server . log. Since this error does not impact the functionality of GlassFish server, you may ignore it. Or, you may remove the certificate by using keytool:

```
#keytool -list -keystore <install  
dir>/glassfish/domains/<domain-name>/config/keystore.jks -alias  
gtecybertrust5ca
```

You are prompted for the domain's master password to grant access to the truststore. For more details, see: <https://support.us.oracle.com/oip/faces/secure/km/DocumentDisplay.jspx?id=1576989.1>

The following table lists the individual Communications Suite products and shows the components on which they depend.

Communications Suite 7.0.6 Component Dependencies

Product Component	Dependencies	Required or Optional?	Required to Be on Local Host?
Calendar Server 7.0.4.15.0	Directory Server 6.x, 7, 11gR1 Patch Set 2 (11.1.1.7.0) Recommended: 11gR1	Required. To store user/group and domain information for authentication, authorization, and email delivery.	No.
	Directory Server Setup Script (comm_dssetup.pl) You must use the version that is bundled with the Communications Suite 7.0.6 installer.	Required. To prepare the LDAP directory for Messaging Server.	No. Must be on the same host as Directory Server.
	Oracle Database 11g Release 2 or MySQL Server, at least 5.5.32.	Required. To store Calendar Server or Contacts Server database information.	No.

	Oracle GlassFish 3.1.2.8	Required. To act as the web container.	Same host on which you install Calendar Server 7.0.4.15.0 front end. You can use Oracle GlassFish Server for Message Queue functions.
	Messaging Server	Optional but an SMTP server is required. Required if you want to use optional features such as virus scanning and automatic iMIP handling.	No.
	Delegated Administrator 7	Optional. To provision users of calendar services; to manage the directory schema.	No.
Indexing and Search Service 1.0.5.22.0	Directory Server 6.x, 7, 11gR1 Patch Set 2 (11.1.1.7.0) Recommended: 11gR1	Optional. To store user/group and domain information for authentication, authorization, and email delivery in cluster modes.	No.
	Messaging 7 Update 3, 7 Update 4, 7 Update 5 Recommended: 7 Update 5	Required.	No.
	Oracle GlassFish 3.1.2.8 or GlassFish Enterprise Server 2.1.1	To act as the web container.	Same host on which you install front-end ISS components.
	GlassFish Message Queue 4.4 Update 1	To generate notifications.	No.
Messaging Server 7 Update 5 (7.0.5.31.0 in this release)	Directory Server 6.x, 7, 11gR1 Patch Set 2 (11.1.1.7.0) Recommended: 11gR1	Required. To store user/group and domain information for authentication, authorization, and email delivery.	No.
	Directory Server Setup Script (comm_dssetup.pl) You must use the version that is bundled with the Communications Suite 7.0.6 installer.	Required. To prepare the LDAP directory for Messaging Server.	No. Must be on the same host as Directory Server.
	Delegated Administrator 7	Optional. To manage user and group data; to manage the directory schema.	No.
Directory Server Setup Script (comm_dssetup.pl) (Version bundled with Communications Suite 7.0.6 installer)	Directory Server 6.x, 7, 11gR1 Patch Set 2 (11.1.1.7.0) Recommended: 11gR1	Required. To set up the LDAP directory, which the comm_dssetup.pl script updates with Communications Suite components' schema.	Yes, must be on local host.

Delegated Administrator 7 (7.0.0.9.0 in this release)	Directory Server 6.x, 7, 11gR1 Patch Set 2 (11.1.1.7.0) Recommended: 11gR1 To enforce unique values for mail attributes, you must install one of these releases: Oracle Directory Server Enterprise Edition 11gR1 Patch Set 2 (11.1.1.7.0) Oracle Directory Server Enterprise Edition 7 Directory Server 6.x	Required. To store user, group, and domain data that Delegated Administrator provisions for the Communications Suite components.	No.
	Directory Server Setup Script (comm_dssetup.pl) You must use the version that is bundled with the Communications Suite 7.0.6 installer.	Required. To prepare the LDAP directory for Delegated Administrator.	No. Must be on the same host as Directory Server.
	Web container, one of: Oracle iPlanet Web Server (at least Versions 6.1 or 7) Application Server (at least Versions 7, 8, or 9) Sun GlassFish Enterprise Server 2.1.1	Required. Delegated Administrator must be deployed to one of these web containers.	Yes, must be on local host.
	Messaging Server 6 through 6.3, 7.0, 7 Update 1, 7 Update 2, 7 Update 3, 7 Update 4, 7 Update 5 Recommended: 7 Update 5	Required to provide mail service for users and groups provisioned by Delegated Administrator. Not required if you do not provision mail users.	No.
	Calendar Server 7 (If you are deciding between Calendar Server 7 and Calendar Server 6, Calendar Server 7 is recommended.)	Required to provide calendar service for users and groups provisioned by Delegated Administrator 7. Not required if you do not provision calendar users.	No.
	Calendar Server 6.x	Required to provide calendar service for users and groups provisioned by Delegated Administrator 6.4 or greater. Not required if you do not provision calendar users.	No.

Convergence 3.0.0.1.0		Depends on the component.	For details about Convergence dependencies, see Convergence Product Version Compatibility Requirements .
Connector for Microsoft Outlook 8.0.2.0.0	Messaging Server 6.3, 7	Required to provide mail service.	Not applicable.
	Calendar Server 7 Update 3, 7.0.4.15.0, Calendar Server 6.3, 6.3.1	Required to provide calendar service.	Not applicable.
	Convergence 3.0.0.1.0	Optional (recommended). Convergence can be used to provide address book service, mail filters, and out-of-office message features.	Not applicable.
	Directory Server 6.0 or higher	Required for Global Address List (GAL), a corporate address book service.	Not applicable.

For Contacts Server 8.0 and Instant Messaging 9.0.2.6.0 system requirements, see *Contacts Server Installation and Configuration Guide* and *Instant Messaging Server Installation and Configuration Guide* on the Oracle Documentation site at:

<http://www.oracle.com/technetwork/indexes/documentation/oracle-communications-185806.html>

Java Requirements

The following products require that you have either Java 6 (EOL'd, last version Java SE 6 U45) or Java 7 (at least Java SE 7 U55) installed (these are the latest versions at the time of this writing):

- Convergence 3.0.0.1.0
- Indexing and Search Service 1.0.5.22.0
- Instant Messaging 9.0.2.6.0
- GlassFish Enterprise Server 2.1.1
- GlassFish Server 3.1.2.8

To install Java to support Communications Suite, see [Installing Java For Communications Suite 7.0.6](#).

Calendar Server 7.0.4.15.0 only supports Java 7.

Indexing and Support Service supports both Java 6 or Java 7. If you use Java 7 and are upgrading Indexing and Search Service from indexes built with Java 6, you might need to reindex to work around issues related to the Unicode fixes in Java 7. For more information on upgrading, see [Indexing and Search Service 1.0.5.22.0 Upgrade](#).

If you switch to another Java version, download and install the latest JDK (not JRE) onto your system.

Network Security Services Requirements

Communications Suite 7.0.6 requires the use of the Network Security Services (NSS) shared security component. While the minimum version of NSS is 3.12.3 (patch rev -08), you should install at least NSS patch (3.13.1 (patch rev -15), which improves security. Messaging Server 7.0.5.31.0 includes NSS 3.16 in its bundle.

For more details about product version dependencies, see [Shared Components Bundled With the Communications Suite Installer](#).

Time Synchronization Requirements

Configure Network Time Protocol (NTP) to ensure that time is synchronized across your deployment.

Convergence: Product Version Compatibility Requirements

The information in this section provides you with all the product requirements and minimum product versions to install Convergence in these deployments:

- A new Communications Suite 7.0.6 deployment (fresh installations)
- An existing Communications Suite deployment (a combination of upgrades and fresh installations)

In general, the requirements for operating system, memory and disk space, browsers, and most other software products are the same for Convergence as for other Communications Suite products.

However, Convergence has a few specific product and version dependencies. The Convergence client also depends on other Communications Suite products to provide services such as mail and calendar.

The following tables list the product requirements, dependencies, and compatibilities specific to Convergence:

- [Additional Product Requirements for Convergence](#)
- [Communications Suite Component Requirements](#)
- [Convergence Compatibility with Connector for Microsoft Outlook, Address Book Store, and LDAP Schema](#)
- "About S/MIME in *Convergence System Administrator's Guide*

Note that some of this information repeats the information shown in the Product Version Compatibility Requirements for Communications Suite 7.0.6 table.

Additional Product Requirements for Convergence

Product	Version	Required or Optional?	Must Be on Local Host?
Oracle Directory Server Enterprise Edition	Oracle Directory Server Enterprise Edition 11gR1 Patch Set 2 (11.1.1.7.0)	Required. For download instructions, see Get the Software to Install Communications Suite 7.0.6 .	Not required.
Web Container	Oracle GlassFish Server 3.1.2.8	Required.	Required.

For information about requirements for Directory Server and GlassFish Server, see the current release notes for these products.

Communications Suite Component Requirements for Convergence

Product	Version	Communications Suite Release	Required or Optional?	Must Be on Local Host?
Messaging Server – Webmail Server (mshttpd) and all other messaging components	7.0.5.31.0	7.0.6	Required to provide mail service in Convergence.	No, but you should deploy Webmail Server on the same host as Convergence for scalability and performance.
Calendar Server 6 (formerly Oracle Communications Calendar Server) See: Calendar Server 6.3 Deprecation	6.3, patch level -54 or higher	5 + apply patch level -35 6 + apply patch level -35 6 Update 1 + apply patch level -35 6 Update 2 7 7 Update 1	Required to provide calendar service in Convergence if Calendar Server 7 is not installed.	No
Oracle Communications Calendar Server (also known as Calendar Server 7, formerly Oracle Communications Calendar Server for CALDAV Clients)	7.0.4.15.0	7.0.6	Required to provide calendar service in Convergence.	No
Instant Messaging	9.0.2.6.0	7.0.6	Required to provide Instant Messaging service in Convergence.	No
Index and Search Service	1.0.5.22.0	7.0.6	Required to provide Index and Search Service in Convergence.	No
Directory Server Setup script, comm_dssetup.pl	You must use the version that is bundled with the Communications Suite 7.0.6 installer.	7.0.6	Required. You must run comm_dssetup.pl on the hosts where Directory Server is installed.	No
Delegated Administrator	7.0.0.9.0	7.0.6	Optional.	No
Contacts Server	not supported	not supported	not supported	not supported

Product	Version	Communications Suite Release	Required or Optional?
Connector for Microsoft Outlook	8.0.2.0.0	7.0.6	Optional. You can deploy Connector for Microsoft Outlook with the same Communications Suite products and Directory Server as Convergence. End users of Outlook (configured using the Connector for Microsoft Outlook) can access the same Communications Suite services as those accessed through Convergence.
Personal Address Book store	Can be configured by Convergence	Not applicable. The Address Book store resides in an LDAP directory.	You can configure Convergence and Connector for Microsoft Outlook 8 to use the same Address Book store. Updates to the Address Book made in one client are visible and accessible on the other client. New Address Book features provided by Convergence do not invalidate Address Book LDAP entries originally configured by using the now deprecated Communications Express. Corporate Address Books: Convergence can be configured to support one Corporate Address Book for each hosted domain. Communications Express users who access multiple Corporate Address Books (in their domain) can only use the first Corporate Address Book through Convergence. The others are not accessible through Convergence.
LDAP Schema	Schema 1 or 2 Schema 2 only if Access Manager is deployed with Convergence.	Not applicable.	If you use Access Manager (Realm Mode or Legacy Mode) to provide SSO for Convergence, you must use Schema 2. If you use Delegated Administrator in Access Manager mode, you must use Schema 2. If you use Delegated Administrator in Director LDAP mode (no Access Manager), then you can use either Schema 1 or Schema 2. See: Deprecated Support for Access Manager and Sun OpenSSO.



Note

Messaging Server, Calendar Server, and Instant Messaging Server are required for Convergence *only* if you want to configure Convergence with the services they provide. For example, if you do not want the Instant Messaging service, you do not need Instant Messaging Server.

Memory and Disk Space Requirements

The following table shows the memory and disk space requirements for Communications Suite 7.0.6 component products.

Memory and Disk Space Requirements for Communications Suite 7.0.6

Product	Disk Space	RAM
Indexing and Search Service 1.0.5.22.0	Approximately 20 Mbytes must be free in /opt for /opt/sun/comms/jiss. Roughly 20 percent of the Messaging Server store size is required for the /var/opt/sun/comms/jiss directory. ¹	8 Gbytes
Calendar Server 7.0.4.15.0	Approximately 20 Mbytes.	8 Gbytes
Convergence 3.0.0.1.0	Approximately 100 Mbytes of disk space for initial installation.	1 Gbyte minimum
Messaging Server 7.0.5.31.0	1 Gbyte for production deployment or 500 Mbytes for evaluation installation. You also need adequate space for message store, database configuration directory, and log files, depending upon your site size.	1 Gbyte minimum
Delegated Administrator 7.0.0.9.0	The disk requirements for Delegated Administrator are the same as those of the web container to which Delegated Administrator is deployed. For information about the web container's hardware requirements, see the current release notes for this Java Enterprise System component.	The memory requirements for Delegated Administrator are the same as those of the web container to which Delegated Administrator is deployed. For information about the web container's hardware requirements, see the current release notes for this Java Enterprise System component.
MySQL Server, at least 5.5.32	Approximately 650 Mbytes	
JDK	Approximately 450 Mbytes	

For Contacts Server 8.0 and Instant Messaging Server 9.0.2.6.0 system requirements, see *Contacts Server Installation and Configuration Guide* and *Instant Messaging Server Installation and Configuration Guide* on the Oracle Documentation site at:

<http://www.oracle.com/technetwork/indexes/documentation/oracle-communications-185806.html>

¹ In Indexing and Search Service, the /var/opt/sun/comms/jiss directory is divided into three subdirectories:

- /var/opt/sun/comms/jiss/attach - Stores generated thumbnail images from attachments, which tends to consume 2 to 3 percent of the size of the mail store. Turning off the attachment store is a configurable option. Compared to the index store, this directory could probably reside on a slower disk.
- /var/opt/sun/comms/jiss/logs - Stores log files.
- /var/opt/sun/comms/jiss/index - Stores index files. This tends to take up about 15 percent of the size of the mail store and needs to be on a fast disk because it is frequently accessed.

Operating System Requirements

The following table shows the recommended platforms for Communications Suite 7.0.6:

Operating System and Platform Support (Recommended for Communications Suite 7.0.6)

Operating System	CPU	Recommendations
Solaris OS 11	SPARC, x64	We recommend that you run the latest Solaris 11 update with the latest recommended patch set. See the Solaris 11 Release and Installation documentation for more information.  Note Starting with Solaris OS 11, changes to the network configuration are managed through SFM rather than by editing a text file. See Managing Network Configuration When in Manual Mode for more information.
Solaris OS 10	SPARC, x64	We recommend that you run the latest Solaris 10 update with the latest recommended patch set. See the Solaris 10 Release and Installation documentation for more information.
Oracle Linux 6.2 (UEK2) and Red Hat Enterprise Linux 6 64-bit	x64	We recommend that you run the latest Oracle Linux 6 or Red Hat Enterprise Linux 6 update. See Oracle Linux Documentation and Red Hat Enterprise Linux documentation for more information.
Oracle Linux 5	x64	We recommend that you run the latest Oracle Linux 5 update. See Oracle Linux Documentation for more information.
Red Hat Enterprise Linux 5 64-bit	x64	We recommend that you run the latest Red Hat Enterprise Linux 5 update. See the Red Hat Enterprise Linux documentation for more information.

The following table shows all the supported platforms for Communications Suite products.

Operating System and Platform Support (by Communications Suite Component)

Component	Solaris OS 10 SPARC 64-bit	Solaris OS 10 x86 32-bit	Solaris OS 10 x86 64-bit	Solaris OS 11 SPARC 64-bit	Solaris OS 11 x86 64-bit	Red Hat Enterprise Linux 4 32-bit	Red Hat Enterprise Linux 4 64-bit	Red Hat Enterprise Linux 5 Server 64-bit	Oracle Linux 6 64-bit
Messaging Server 7 Update 5 32-bit	Not supported	Not supported	Not supported	Not supported	Not supported	Supported	Not supported	Supported	Not supported
Messaging Server 7.0.5.31.0 64-bit	Supported	Not supported	Supported	Supported	Supported	Not supported	Supported	Supported	Supported
Calendar Server 7.0.4.15.0	Supported	Not supported	Supported	Supported	Supported	Not supported	Not supported	Supported	Supported
Convergence 3.0.0.1.0	Supported	Not supported	Supported	Supported	Supported	Not supported	Not supported	Supported	Not supported
Delegated Administrator 7.0.0.9.0	Supported	Supported	Supported	Not supported	Not supported	Supported	Supported	Supported	Supported
Delegated Administrator 7.0.0.10.0 (not included in UCS 7.0.6)	Supported	Supported	Supported	Supported	Supported	Supported	Supported	Supported	Supported
Connector for Microsoft Outlook 8.0.2.0.0	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Indexing and Search Service 1.0.5.22.0	Supported	Not supported	Supported	Supported	Supported	Not supported	Not supported	Supported	Supported
Dssetup 6.4.0.25.0	Supported	Supported	Supported	Supported	Supported	Supported	Supported	Supported	Supported

For Contacts Server 8.0 and Instant Messaging Server 9.0.2.6.0 operating system requirements, see *Contacts Server Installation and Configuration Guide* and *Instant Messaging Server Installation and Configuration Guide* on the Oracle Documentation site at:

<http://www.oracle.com/technetwork/indexes/documentation/oracle-communications-185806.html>

 Note

- If you use Red Hat Linux 6, you must use GlassFish Server 3, due to library issues.
- Recommended platforms are Solaris OS 11, Red Hat Enterprise Linux 6 64-bit, and Oracle Linux 6.2 64-bit.
- Messaging Server Unified Configuration is only supported on 64-bit platforms.
- No upgrade from previous major version forces a simultaneous upgrade of both the operating system and component.
- No upgrade forces a simultaneous upgrade of both the OS and the component unless it is a major version change. In general, an upgrade of the operating system forces an upgrade of the component.
- On Solaris OS 10 only, the Communications Suite installer checks for required platform patches.
- The performance of your Communications Suite deployment depends on many factors, including CPU power, available memory, disk space, file system performance, usage patterns, network bandwidth, and so on. For example, throughput is directly related to file system performance. If you have questions about sizing and performance, contact your Communications Suite representative.

Minimal Solaris OS Install Requirements for Indexing and Search Service

The following Solaris OS packages are required for Indexing and Search Service:

- SUNWgcmn
- SUNWgtar
- SUNWxcu4
- SUNWj5rtIf remote installs are needed, SUNWwgetr and SUNWwgetu are also required. Confirm that they are installed by using `pkginfo`. Multi-machine deployments require SUNWapch2d, SUNWapch2r, and SUNWapch2u to be installed on Indexing and Search Service indexing nodes. If they are not installed, install them from Solaris OS media before installing Indexing and Search Service.

The following Solaris JumpStart profile represents the minimal set of packages required for Indexing and Search Service.

```

##
## Minimum Required Software for Reduced Networking Support
## http://blogs.sun.com/gbrunett/entry/foundation\_for\_minimal\_solaris\_10
##
cluster SUNWCrnet

##
## Additional basic system services
##
# SSH Daemon, Tools and Dependencies
package SUNWgss add
package SUNWgssc add
package SUNWsshcu add
package SUNWsshdr add
package SUNWsshdu add
package SUNWsshr add
package SUNWsshu add
# NTP
package SUNWntpr add
package SUNWntpu add
# System Admin Tools (showrev)
package SUNWadmfw add
package SUNWadmfr add

##
## Indexing and Search Service Requirements
##
# GNU tar and Dependencies
package SUNWgcmn add
package SUNWgtar add
# XCU4 Utilities - ISS requires for awk and id
package SUNWxcu4 add
# Java 5 Run Time
package SUNWj5rt add
# wget - required only for remote ISS installs
package SUNWwgetr add
package SUNWwgetu add

```

Minimal Linux (Red Hat Enterprise Linux and Oracle Linux) Installation Requirements for Indexing and Search Service

The Red Hat Enterprise Linux and Oracle Linux installations can run on top of the install group @Base in your kickstart.cfg file. The following RPMs must be installed on Red Hat Enterprise Linux 5:

- rpm-build
- elfutils
- elfutils-libs
- compat-libstdc++-33
- ntp
- sharutils
- compat-libstdc++-296
- libxml2
- xinetd

Multi-machine deployments require that the httpd RPM be installed on indexing nodes.

System Virtualization Support

System virtualization is a technology that enables multiple operating system (OS) instances to execute independently on shared hardware. Functionally, software deployed to an OS hosted in a virtualized environment is generally unaware that the underlying platform has been virtualized. As long as your virtual system supports an operating system on which Communications Suite runs, you can deploy Communications Suite in that virtual system.

High Availability Support

This section contains information on high-availability product support.

The following table shows the high-availability products supported by Communications Suite.

Supported High-Availability Products

Product	Supported Versions
Instant Messaging 9.0.2.6.0	• Sun Cluster • SPARC- 3.1 Update 4, 3.2, 3.3, 4.0, 4.1 • x86: 3.1 Update 4, 3.2, 3.3, 4.0, 4.1 • Red Hat Enterprise Linux: Not supported • Oracle Linux: Not supported • Veritas • SPARC: Not supported • x86: Not supported • Red Hat Enterprise Linux: Not supported • Oracle Linux: Not supported
Messaging Server 7.0.5.31.0	• Sun Cluster • SPARC: 3.0, 3.1 Update 4, 3.2, 3.3, 4.0, 4.1 • x86: 3.1 Update 4, 3.2 U1, 3.3, 4.0, 4.1 • Red Hat Enterprise Linux: Not supported • Oracle Linux: Not supported • Veritas • SPARC: 3.5, 4.0, 4.1, 5.0, 6.0.1, 6.0.2 • x86: 3.5, 4.0, 4.1, 5.0, 6.0.1, 6.0.2 • Red Hat Enterprise Linux: 4.1, 5.0 • Oracle Linux: 4.1, 5.5, 6.0, 6.0.1, 6.0.2

The following table shows the compatibility of the Messaging Server high-availability agent across different Messaging Server versions.

Compatibility Between Messaging Server and the MS High-Availability Agent Versions

MS High-Availability Agent Version	Compatible Messaging Server Versions
MS_SCHA 7.0	Messaging Server 64-bit version 6.3 or later. Messaging Server 64-bit does not work with MS_SCHA 6.x.
MS_SCHA 7.0	Messaging Server 32-bit version 6.3-1.02 or later.
MS_SCHA 6.x	Messaging Server 32-bit version 6.3.

Browser Requirements for Communications Suite Clients

This section shows which browsers are supported for Communications Suite clients:

- [Supported Browser Versions for Convergence Clients](#)
- [Supported Browser Versions for Delegated Administrator Clients](#)

Supported Browser Versions for Convergence Clients

The following table shows the supported browsers for Convergence clients.

Supported Browsers for Convergence

Browser	Windows Vista	Windows 7	Mac OS 10.x
Chrome	34	34	Not supported
Microsoft Internet Explorer	11	11	Does not exist
Firefox	28, 29	28, 29	28, 29
Safari	Not supported	Not supported	6.x

Supported Browser Versions for Convergence Clients with WebRTC Voice and Video Calling

Browser	Windows 7	Mac OS 10.x
Chrome	34	Not supported
Firefox	28, 29	28, 29

Not supported: The browser/platform combination is not supported in Convergence.

Does not exist: The browser/platform is not a valid combination.

Supported Browser Versions for Delegated Administrator Clients

The following table shows the supported browsers for Delegated Administrator clients.

Supported Browsers for Delegated Administrator 7

Browser	Windows 7	Windows Vista	Windows XP	Windows 2000	Solaris
Microsoft Internet Explorer	9.x	9.x	6.0 SP1 and 7.x	6.0 SP1 and 7.x	Not applicable
Firefox	13	13	2.0	2.0	2.0

Additional Software Requirements for Individual Communications Suite Components

Topics in this section:

- [Calendar Server 7.0.4.15.0](#)
- [Contacts Server](#)
- [Messaging Server](#)
- [Delegated Administrator](#)
- [Instant Messaging Client Operating System Requirements](#)
- [Connector for Microsoft Outlook](#)

Calendar Server 7.0.4.15.0

Additional Software Requirement for Linux

On Linux, ensure you have installed the `openldap-clients-xxx` rpm, which installs LDAP tools such as `/usr/bin/ldapsearch` and `/usr/bin/ldapmodify`.

Calendar Server Clients

The following tables show a sample of supported clients for Calendar Server 7.0.4.15.0. Any client that implements WCAP 7.0 or CalDAV works with Calendar Server 7.0.4.15.0.

Sample WCAP Clients for Calendar Server 7.0.4.15.0

Client	Minimum Version
Convergence	2 (Patch 6), testing done with Convergence 3
Connector for Microsoft Outlook	8

Sample CalDAV Clients for Calendar Server 7.0.4.15.0

Client	Minimum Version	Notes
Apple iCal	6	iCal 3 comes bundled with Mac OS 10.5, testing done with Apple iCal 6.0. (As newer versions become available, they are tested. It is recommended to use these new versions.)
Apple iPhone OS calendar client	6.0.1	Support for scheduling in iOS 4.x on iPhone, iPod touch, and iPad (iOS 7 is the latest version)
Lightning	1.9.1	Lightning 1.9.1 is the latest version.
eM	NA	Desktop client for Windows (.NET) that supports CalDAV access. Common Release Information for Communications Suite 7.0.6¹
Enterprise Tasks	NA	eTask is a business application for the iPhone and iPod touch that uses the CalDAV protocol to view, edit, create, delete, and sync your tasks on the CalDAV server.
Android CalDAV-Sync	NA	CalDAV-Sync is a CalDAV client for Android to synchronize events. Testing done with Caldav sync client version 0.3.3 and Task Client version 1.0.3
NotifyLink	4.7	Depending on the device, might require version 4.7 or 4.8.

¹ These clients have not officially been tested by Oracle. In general, any CalDAV compliant client should work.

Note: Communications Express is not a supported client.

Contacts Server

For clients that were tested with Contacts Server, see the Client Requirements section in the System Requirements chapter in *Contacts Server Installation and Configuration Guide*.

Messaging Server

This section provides additional information about Messaging Server requirements.

- [Recommended File Systems for Message Stores](#)
- [DNS Server and Messaging Server](#)

Recommended File Systems for Message Stores

The following file systems are recommended for message stores:

- LUFS (Logging UFS).
- VxFS (Veritas File System). Veritas File System provides good system performance if configured properly. If you use VxVM, the Veritas Volume Manager, you need to watch carefully that the volumes and the log file for the volumes are set to be regularly striped.
- HAStoragePlus File System for Sun Cluster installations. The HAStoragePlus File System provides better performance than the default Sun Cluster Global File System.
- NFS (Network File System). You can use NFS on MTA relay machines, for LMTP, for autoreply histories, and for message defragmentation. See *Messaging Server System Administrator's Guide* for more information. In addition, NFS can be supported on BSD-style mailboxes (`/var/mail/`) as well as for message stores.
- ZFS. Starting with Messaging Server 6.3, Messaging Server supports the ZFS file system. See *Messaging Server System Administrator's Guide* for more information.

DNS Server and Messaging Server

A high-quality caching DNS server on the local network is a requirement for a production deployment of Messaging Server. Messaging Server depends heavily on the responsiveness and scalability of the DNS server.

Additionally, your DNS configuration needs to be clearly specified as to how to route to hosts that are not on the local subnet by ensuring the following:

- The `/etc/defaultrouter` file should contain the IP address of the gateway system. This address must be on a local subnet.
- The `/etc/resolv.conf` file exists and contains the proper entries for reachable DNS servers and domain suffixes.
- In the `/etc/nsswitch.conf` file, the `hosts:` line has the `files`, `dns`, and `nis` keywords added. The keyword `files` must precede `dns` and `nis`. For example, the lines should not look like this:

```
hosts: nis dns files
ipnodes: nis dns files
```

Instead, the lines should be changed to this:

```
hosts: files nis dns
ipnodes: files nis dns
```

- In the `/etc/hosts` file, the FQDN is the first host name.

For example, if your Internet host table in your `/etc/hosts` file should not look like this:

```
123.45.67.89 budgie.west.sesta.com
123.45.67.89 budgie loghost mailhost
```

Change the host table so that only one line is shown for the IP address of the host. Be sure that the first host name is a fully qualified domain name. For example:

```
123.45.67.89 budgie.west.sesta.com budgie loghost mailhost
```

**Note**

For releases up to Solaris OS 10 U3, you must add the fully qualified domain name (FQDN) not only to the `/etc/hosts` file, but also to the `/etc/inet/ipnodes` file. Otherwise, you receive an error indicating that your host name is not a fully qualified domain name. For Solaris OS 10 U4 and later releases, the contents of the `/etc/inet/ipnodes` and `/etc/hosts` files have been merged together into the `/etc/hosts` file. Applying kernel patch 120011-14 on any Solaris 10 system also performs this merge and removes the `/etc/inet/ipnodes` file.

Delegated Administrator

The following components, tools, and LDAP schema version are required for this release of Delegated Administrator:

- Directory Server 6.x, 7, or 11gR1. To enforce unique values for mail attributes, you must install one of these releases:
 - Oracle Directory Server Enterprise Edition 11gR1 Patch Set 2 (11.1.1.7.0)
 - Oracle Directory Server Enterprise Edition 7
 - Directory Server 6.x
- Java Enterprise System web container. You must deploy Delegated Administrator to one of the following web containers:
 - Oracle iPlanet Web Server (at least Versions 6.1 or 7)
 - Application Server (at least Versions 7, 8, or 9)
 - Sun GlassFish Enterprise Server 2.1.1
- Directory Server Setup script, `comm_dssetup.pl`. Use the version that is bundled with the current version of the Communications Suite installer.

Instant Messaging Client Operating System Requirements

As of Instant Messaging Server 9, the product no longer ships with the Instant Messaging client. Pidgin is the tested and supported XMPP client. Ideally any XMPP-compliant client should work with Instant Messaging Server.

Connector for Microsoft Outlook

This section describes the requirements and recommendations for Connector for Microsoft Outlook 8.0.2.0.0.

The following operating systems are supported:

- Microsoft Windows 8
- Microsoft Windows 7
- Microsoft Vista

The following operating systems are deprecated:

- Microsoft Windows XP
- Microsoft Windows 2003 Terminal Server

The following versions of Microsoft Outlook are supported:

**Note**

32-bit and 64-bit versions refer to the versions of Microsoft Outlook, not the Windows operating system.

	Windows 8	Windows 7	Windows Vista	Windows XP	Windows 2003 Terminal Sever
Outlook 2013 (64-bit and 32-bit)	Supported	Supported	Not Supported	Not Supported	Not Supported
Outlook 2010 (64-bit and 32-bit)	Supported	Supported	Supported	Not Supported	Not Supported
Outlook 2007 (32-bit)	Supported	Supported	Supported	Deprecated	Deprecated

Support for Outlook 2003 is deprecated.

**Note**

Calendar Server customers who have deployed previous versions of Sun Java System Calendar Server need to engage with Oracle Consulting. A migration offering is available that enables data to be converted and migrated to the new format. This migration is required for Outlook because of changes in the storage and management of recurring events. No migration service is required for new customers of Calendar Server 6 2004Q2 and later.

Locating Patches for Communications Suite Products

When operating system patch requirements change and patches to Communications Suite and other Oracle components become available, you can find updates in the [My Oracle Support](#) (MOS) database, initially as recommended patch clusters.

Communications Suite Installation and Upgrade Notes

Topics in this section:

- [Installing Communications Suite on Linux](#)
- [Some perl Scripts Fail to Run Due to Read-protected Directory](#)
- [Default Installation Directories and Ports](#)
- [Default Port Numbers](#)

Installing Communications Suite on Linux

Starting with Communications Suite 7.0.6, when installing on Linux, you need to first ensure that the `/usr/bin/lsb_release` utility is installed. You can download the Linux yum repo that contains the `/usr/bin/lsb_release` utility from the Oracle Public Yum Server at:

<http://public-yum.oracle.com>

Install the redhat - lsb RPM by running the following command:

```
yum install redhat-lsb
```

Some perl Scripts Fail to Run Due to Read-protected Directory

The Messaging Server `start-msg` command, which invokes `updateCfgVersion`, and the `commpkg` command, can fail to run and give an abort error. This failure occurs when the current directory from which you execute the command is unreadable by `root`. For more information, see [updateCfgVersion and compmpkg commands fail to run due to read-protected directory](#) (bug DB number 15929954).

Default Installation Directories and Ports

The Communications Suite installer installs product components under a single umbrella installation directory, referred to as `INSTALLROOT`. The default value for `INSTALLROOT` is `/opt/sun/comms`. Individual product components are installed in subdirectories under `INSTALLROOT`. For example, Calendar Server 7 is installed in a subdirectory called `davserver`. There is no option to change the subdirectory. You can only change the `INSTALLROOT`. The subdirectory for each product can be found by running the following command:

```
commpkg info --listPackages
```

A sample session for this command by platform can be found in [Communications Suite 7.0.6 Shared Components](#).

The following table lists the default installation directories for other product components not installed by the Communications Suite installer.

Default Installation Directories

Product	Default Directory	Comment
Access Manager	Solaris OS: <code>/opt/SUNWam</code> Red Hat Enterprise Linux and Oracle Linux: <code>/opt/sun/identity</code>	No Comment.
Application Server	Solaris OS and Red Hat Enterprise Linux: <code>/opt/SUNWappserver</code>	Contains Application Server utilities, executables, and libraries.
Application Server Domains	Solaris OS and Red Hat Enterprise Linux: <code>/opt/SUNWappserver/domains</code>	Default area under which administrative domains are created.
Directory Server Core	Solaris OS: <code>/opt/SUNWdsee/ds6</code> Red Hat Enterprise Linux and Oracle Linux: <code>/opt/sun/ds6</code>	Separately located subcomponents of Directory Server EE include Directory Server Core, Directory Service Control Center, and Directory Proxy Server.
Directory Service Control Center	Solaris OS: <code>/opt/SUNWdsee/dscc</code> Red Hat Enterprise Linux and Oracle Linux: <code>/opt/sun/dscc</code>	No Comment.
Directory Proxy Server	Solaris OS: <code>/opt/SUNWdsee/dps</code> Red Hat Enterprise Linux and Oracle Linux: <code>/opt/sun/dps</code>	No Comment.
Directory Server Instance Directory	Solaris OS: <code>/var/opt/SUNWdsee/dsins1</code> Red Hat Enterprise Linux and Oracle Linux: <code>/var/opt/sun/dsins1</code>	No Comment.

GlassFish Server	Solaris OS: /opt/glassfish3 Red Hat Enterprise Linux and Oracle Linux: /opt/glassfish3	No Comment.
HADB	Solaris OS: /opt/SUNWhadb Red Hat Enterprise Linux and Oracle Linux: /opt/SUNWhadb	HADB install locations are not relocatable in Communications Suite installation.
	Solaris OS: /var/opt/SUNWhadb Red Hat Enterprise Linux and Oracle Linux: /var/opt/SUNWhadb	HADB Repository Data and Log location.
	Solaris OS: /etc/opt/SUNWhadb Red Hat Enterprise Linux and Oracle Linux: /etc/opt/SUNWhadb	HADB Management Agent config file.
	Solaris OS: /etc/init.d/ma-initd Red Hat Enterprise Linux and Oracle Linux: /etc/init.d/ma-initd	HADB Management Agent startup script.
Message Queue You cannot change the installation directories, so no field is in the installer or parameter in the state file.	Not applicable	Solaris OS: /usr/bin /usr/share/lib /usr/share/lib/imq /etc/imq /var/imq /usr/share/javadoc/imq /usr/demo/imq /opt/SUNWimq Red Hat Enterprise Linux and Oracle Linux: /opt/sun/mq /etc/opt/sun/mq /var/opt/sun/mq
Monitoring Console	Solaris OS: /opt/SUNWjesmc Red Hat Enterprise Linux and Oracle Linux: /opt/sun/jesmc	No Comment.
Sun Cluster You cannot change the installation directories, so no is field in the installer or parameter in the state file.	Not applicable	Sun Cluster software is installed in the following locations on Solaris OS: /usr/cluster/bin/cluster
Web Server	Solaris OS: /opt/SUNWwbsvr7 Red Hat Enterprise Linux and Oracle Linux: /opt/sun/webserver7	No Comment.
Web Server Instance Directory	Solaris OS: /var/opt/SUNWwbsvr7 Red Hat Enterprise Linux and Oracle Linux: /var/opt/sun/webserver7	No Comment.

Default Port Numbers

The following table lists the default Communications Suite product component port numbers and the purpose of each port.

**Note**

Calendar Server, Convergence, Access Manager, and Delegated Administrator are not listed in this table because they use the port numbers of the web container into which they are deployed.

Product Component Default Port Numbers

Product Component	Port	Purpose
Access Manager	58946	UNIX authentication helper
	58943	Secure ID authentication helper (Solaris SPARC only)
Application Server	8080	Standard HTTP port
	3700	Standard IIOP port
	4848	Administration Server port
	7676	Standard Message Queue port
	8686	JMX port
	8181	HTTPS port
Oracle Database	1521	Calendar Server 7 and Contacts Server back-end port
MySQL Database, at least 5.5.8	3306	Calendar Server 7 and Contacts Server back-end port
Common agent container	11162	JMX port (TCP)
	11161	SNMP Adaptor port (UDP)
	11162	SNMP Adaptor port for traps (UDP)
	11163	Commandstream Adaptor port (TCP)
	11164	RMI Connector port (TCP)
Common agent container for Sun Cluster and Sun Geographic Edition	10162	JMX port (TCP)
	10161	SNMP Adaptor port (UDP)
	10162	SNMP Adaptor port for traps (UDP)
	10163	Commandstream Adaptor port (TCP)
	10164	RMI Connector port (TCP)
Directory Server	389	Standard LDAP listener
	636	LDAPS over SSL
GlassFish Server	8080	Standard HTTP port
	3700	Standard IIOP port
	4848	Administration Server port
	7676	Standard Message Queue port
	8686	JMX port
	8181	HTTPS port
HADB	1862	Management Agent Port (JMX)
	15200	Default Portbase
Indexing and Search Service	5558	Util Service port (used over localhost only) for product internal communication
Instant Messaging	5222	Multiplexer port
	5269	Instant Messaging server-to-server port
	45222	Server port used for multiplexer communication
	55222	Gateway Connector Service For Facebook
Message Queue	80	Standard HTTP port
	7676	Port Mapper
	7674	HTTPS Tunneling Servlet Port
	7675	HTTP Tunneling Servlet Port
Messaging Server	25	Standard SMTP port or MMP SMTP Proxy ^{Note 1}
	110	Standard POP3 port or MMP POP3 Proxy ^{Note 1}

	143	Standard IMAP4 port or MMP IMAP Proxy ^{Note 1}
	225	Default port for communications to back-end store through LMTP
	465	SMTP/SUBMIT over SSL or MMP SMTP Proxy over SSL ^{Note 1}
	587	Standard Message Submission (SMTP SUBMIT) port
	993	IMAP over SSL or MMP IMAP Proxy over SSL ^{Note 1}
	995	POP3 over SSL or MMP POP Proxy over SSL ^{Note 1}
	7997	Event Notification Service port
	8990	mshttpd daemon port
	8991	mshttpd over SSL daemon port
	27442	Used by Job Controller for product internal communication
	49994	Used by the Watcher for internal product communication
Monitoring Console	6789	Accessed through Sun Java Web Console
	8765	Job Factories port for Master Agent Web Services Adaptor
	11161	SNMP port for Monitoring Framework
	11164	RMI port for Monitoring Framework
	63837	Used by MeterMaid for internal product communication
	54320	Multicast port for Monitoring Framework discovery protocol
Web Server	8800	Admin HTTP port
	8989	Admin SSL port (for Admin Server, SSL port is required and HTTP port is optional)
	80	Instance HTTP port

Note: If these servers (such as the IMAP4 server and MMP IMAP Proxy) are installed on the same machine, you encounter port number conflicts. If possible, install products with conflicting port numbers on separate hosts.

If you have installed two servers that are attempting to access the same port number, you need to change the port number of one of the conflicting products. To change port numbers for Messaging Server components, use the `configutil` utility. See the *Messaging Server Administration Reference* for instructions.

The following legacy configuration example uses the `service.http.port` parameter to change the standard HTTP port number to 8080:

```
configutil -o service.http.port -v 8080
```

Known Problems in Communications Suite

This section describes the known problems that exist in this release of Communications Suite. Specifically, this section describes installation and upgrade issues.

LDAP Schema and `comms_dssetup`

SR number: NA
Bug DB number: NA

The `comm_dssetup.pl` script now prints a message that it is possible to remove the `71sun-am.ldif` file if it is found. The file is no longer automatically removed and the choice for removal is left up to the administrator. Other LDIF files may have dependencies on `71sun-am.ldif`, so make sure that your site does not need to use `71sun-am.ldif` before removing it.

updateCfgVersion and compkg commands fail to run due to read-protected directory

SR number: NA
Bug DB number: 15929954

The Messaging Server `start-msg` command, which invokes `updateCfgVersion`, and the `compkg` command, can fail to run and give an abort error. This failure occurs when the current directory from which you execute the command is unreadable by root. For example, if the current directory is an NFS-mounted directory that has protection 0711 and is owned by a non-root user, the commands fail.

Workaround:

Start the command from a directory that is readable by root. For example, to run `start-msg`:

```
# cd /opt/sun/comms/messaging64  
# bin/start-msg
```

Access Manager 7.1 install fails if sun-ldapcsdk-libs 6.0.8 rpm is already installed on Red Hat 5

SR number: NA
Bug DB number: 12290017

Access Manager 7.1 requires LDAPCSDK version 6.0.6, but the Comms 7 Update 3 installer installs version 6.0.8, causing the Access Manager installation to fail. First, manually remove LDAPCSDK 6.0.8 rpm, then install Access Manager 7.1.

JDK Upgrade Can Affect Other Products' Upgrade

SR number: NA
Bug DB number: NA

The JDK upgrade can affect the upgrade of other products.

Access Manager 7.1 fails to start if it is deployed to a non-enterprise (EE) version of Application Server 9.1.

SR number: NA
Bug DB number: 12224850
Sun Bugster ID: 6653773

Access Manager 7.1 fails to start if it is deployed to a non-enterprise (EE) version of Application Server 9.1.

Documentation Updates

Connector for Microsoft Outlook 8.0.2.0.0, Contacts Server 8.0, and Instant Messaging 9.0.2.6.0

documentation is available on the Oracle Documentation site at:

<http://www.oracle.com/technetwork/indexes/documentation/oracle-communications-185806.html>

Communications Suite 7.0.6 Supported Web Containers

Web Containers Supported in Oracle Communications Unified Communications Suite Version 7.0.6

Component Product	GlassFish Server 3	GlassFish Server 2.1.1	Application Server 9.1 Update 2	Application Server 8	Application Server 7	Oracle iPlanet Web Server 7.0 Update 2
Calendar Server 7.0.4.15.0	Supported	Not supported	Not supported	Not supported	Not supported	Not supported
Convergence 3.0.0.1.0	Supported	Not supported	Not supported	Not supported	Not supported	Not supported
Delegated Administrator 7.0.0.9.0	Not Supported	Supported	Supported	Supported	Supported	Supported
Delegated Administrator 7.0.0.10.0 (not included in UCS 7.0.6)	Supported	Supported	Supported	Supported	Supported	Supported
Indexing and Search Service 1.0.5.22.0	Supported	Supported	Not supported	Not supported	Not supported	Not supported

For Contacts Server 8.0 and Instant Messaging Server 9.0.2.6.0, see the system requirements topic in *Contacts Server Installation and Configuration Guide* and *Instant Messaging Server Installation and Configuration Guide* on the Oracle Documentation site at:

<http://www.oracle.com/technetwork/indexes/documentation/oracle-communications-185806.html>

Notes:

The default installation paths for GlassFish Server 2.1.1. and Application Server 9 are the following:

Base installation directory: /opt/SUNWappserver

Domain directory: /opt/SUNWappserver/domains/domain1

Document root directory: /opt/SUNWappserver/domains/domain1/docroot

The default installation paths for Application Server 8 are the following:

Base installation directory: /opt/SUNWappserver/appserver

Domain directory: /var/opt/SUNWappserver/domains/domain1

Document root directory: /var/opt/SUNWappserver/domains/domain1/docroot

Chapter 20. Communications Suite 7.0.6 Upgrade Guide

Oracle Communications Unified Communications Suite 7.0.6 Upgrade Guide

This information describes the best practices for upgrading prior versions of Oracle Communications Unified Communications Suite. For a list of those individual product version numbers see [Communications Suite 7.0.6 Release Notes](#).

Topics:

- [About This Information](#)
- [About the Communications Suite Upgrade Process](#)
- [Defining Your Target Communications Suite Deployment](#)
- [Determining the Sequence of Product Upgrade](#)
- [Preparing to Upgrade](#)
- [Upgrading comm_dssetup.pl](#)
- [Upgrading Messaging Server](#)
- [Upgrading Calendar Server \(Calendar Server 7\)](#)
- [Upgrading Instant Messaging Server](#)
- [Upgrading Convergence](#)
- [Upgrading Indexing and Search Service](#)
- [Upgrading Delegated Administrator for Oracle Communications Unified Communications Suite](#)
- [Upgrading Oracle Communications Connector for Microsoft Outlook](#)

About This Information

In this information, the terms products, product components, and shared components are used. *Products* are items such as Messaging Server, Calendar Server, Delegated Administrator, and Instant Messaging Server. *Product components* are functional parts of the products. For example, Messaging Server has message stores, relays, and messaging multiplexors. Calendar Server has front-end and back-end servers. *Shared components* are software components that are not part of Communications Suite or other support products, but are required for Communications Suite products to operate. Examples include Network File System (NFS), Simple Authentication and Security Layer (SASL), and Java software.

About the Communications Suite Upgrade Process

Communications Suite consists of a number of individual products, product components, and shared components. Unfortunately, Communications Suite does not provide a single system utility to upgrade all Communications Suite components at the same time. Therefore, upgrading a Communications Suite deployment consists of upgrading one component at a time and one computer at a time, by using the component-specific upgrade procedures described in the following sections. Some upgrade procedures are simple, such as applying a patch to the existing software. Other procedures are more complex and require considerably more planning and preparation. Proper upgrading starts with knowing what products you want to upgrade and the order in which to upgrade them.

Defining Your Target Communications Suite Deployment

A successful upgrade depends on identifying both your current deployment and your target deployment. By defining your target deployment, you identify which products and components you must upgrade and which ones can remain as is.

The three most common Communications Suite upgrade scenarios include:

- **Upgrade for a product feature.** You want a feature from a specific product and you are only interested in upgrading the products and components that are necessary to support that feature.
 - In this scenario, you upgrade the desired product as described in the upgrade information for that product.
- **Upgrade to use Convergence.** You only want to upgrade the products and components that are necessary to use Convergence.
 - See [Product Version Compatibility Requirements for Convergence](#) for the minimum versions of products that run Convergence.
- **Upgrade all products and components to the latest release.** You want to run the latest versions of all Communications Suite products and components.
 - Upgrade each product and component individually, host by host. See [Requirements for Communications Suite](#).

When you have chosen the scenario that best fits your situation, you can determine what products to upgrade.



Tip

Installing only shared components: To install just the shared components for a component product, launch the Communications Suite installer, then prefix your product selection with a tilde (~). For example, to install only the shared components for Messaging Server 64-bit, at the Product Selection prompt, type ~1. You can type multiple selections, separating each of your entries with a comma.

Determining the Sequence of Product Upgrade

The order in which you update the Communications Suite products and versions can be critical. Use the following guidelines to determine the sequence for upgrading Communications Suite products:

1. Upgrade and run `comm_dssetup` before upgrading any other component.



Note

Communications Suite components cannot be upgraded at the same time. Some of the components must be upgraded before others. Calendar Server and Delegated Administrator check for the latest configured version of `comm_dssetup`.

2. Prior to upgrading and reconfiguring Convergence, first upgrade and configure the components on which your Convergence deployment is dependent (such as Calendar Server, Messaging Server and Instant Messaging Server).
3. Calendar Server, Messaging Server, Directory Server, and GlassFish Server should be up and running before upgrading Convergence.

The following sections describe how to upgrade each of the Communications Suite products.

Preparing to Upgrade

Before starting an upgrade, it is good practice to make a backup copy of customized files and configuration files. In particular, the following files should be backed up:

- Convergence:

- `/opt/SUNWappserver/domains/domain1/docroot/iwc_static/layout/login.html`
- Instant Messaging: `/opt/sun/comms/im/config/iim.conf`

Upgrading `comm_dssetup.pl`

Run the latest version of `comm_dssetup.pl` to prepare the schema, index, and data in your Directory Server to work with Messaging Server, Calendar Server, Instant Messaging, Delegated Administrator, or any products that depend on the Directory Server.

To upgrade the schema, index, and data in your Directory Server:

1. Obtain the Communications Suite 7.0.6 distribution.
See [Get the Software to Install Communications Suite 7.0.6](#).
2. Unzip the Communications Suite 7.0.6 distribution into a temporary location on the Directory Server host.
3. Run `commpkg upgrade`.
For upgrade details, see [commpkg upgrade Usage](#).
4. Select only Comms DSsetup 6.4 from the list of products.
5. Run `perl comm_dssetup.pl` on your Directory Server host.
For details, see [Communications Suite Directory Server Setup Script \(comm_dssetup.pl\)](#).

Upgrading Messaging Server

See [Messaging Server 7.0.5.31.0 Upgrade](#).

Upgrading Messaging Server in a High Availability (HA) Environment

See [Messaging Server 7.0.5.31.0 Upgrade in an HA Environment](#).

Upgrading Calendar Server (Calendar Server 7)

See [Calendar Server 7.0.4.15.0 Upgrade](#).

Upgrading Instant Messaging Server

See [Instant Messaging Server 9.0.2.6.0 Upgrade](#).

Upgrading the Instant Messaging Server in a High Availability (HA) Environment

See [Instant Messaging Server 9.0.2.6.0 Upgrade in an HA Environment](#).

Upgrading Convergence

See [Convergence 3.0.0.1.0 Upgrade](#).

Upgrading Indexing and Search Service

See [Indexing and Search Service 1.0.5.22.0 Upgrade](#).

Upgrading Delegated Administrator for Oracle Communications Unified Communications Suite

See [Delegated Administrator 7.0.0.9.0 Upgrade](#).

Upgrading Oracle Communications Connector for Microsoft Outlook

See [Connector for Microsoft Outlook 8.0.2.0.0 Upgrade](#).

commpkg upgrade 7.0.6 Usage

commpkg upgrade 7.0.6 Usage

Topics:

- [About commpkg upgrade](#)
- [commpkg upgrade Command Syntax](#)
- [commpkg upgrade Command Options](#)
- [commpkg upgrade 7.0.6 Sample Session](#)

About commpkg upgrade

The `commpkg upgrade` command enables you to upgrade the Communications Suite products and shared components. To use the command, as `root`, invoke `commpkg upgrade`. Additional "power user" options are available for more complicated upgrade scenarios.

The `upgrade` sub-command upgrades the Communications Suite components' software installation. However, some components require additional steps after running the command.

For more information about upgrading specific components, see [Communications Suite 7.0.6 Upgrade Guide](#). Consult a specific component's upgrade information to see if additional steps are required before or after running the `upgrade` sub-command.

commpkg upgrade Command Syntax

```
commpkg [general options ] upgrade [upgrade options ] [ALTROOT | name ]
```

For information about the `commpkg` general syntax, other sub-commands, and general options, see [commpkg 7.0.6 - General Syntax and Commands](#).

Using the ALTROOT | name Command-Line Argument

This argument is supported only on Solaris OS. Specify `ALTROOT | name` on the command line to upgrade components that were previously installed in an alternate root.

If you specify the `name` command-line argument, it must exist in the software list, otherwise an error is returned. The `name` is looked up in the software list and is used for the corresponding `ALTROOT`.

For more information, see [Using the ALTROOT Command-Line Argument](#).

commpkg upgrade Command Options

The following table shows the `commpkg upgrade` command options.

commpkg Upgrade Options

Options	Description
- -excludeOS	Does not apply operating system patches during product upgrade.
- -excludeSC	Does not install, upgrade, or patch any shared components.

<code>--altroot [name]</code>	This option has been deprecated. Use the <code>ALTROOT name</code> command line argument instead. This option is available only on Solaris OS. Specifies an alternate root directory during a multi-host installation. The <code>INSTALLROOT</code> (the top-level installation directory for all products and shared components) is the alternate root. If you specify a <i>name</i>, it is an "alias" associated with the alternate root that is registered in the software list. The <i>name</i> option is supported only on Solaris OS (not on Linux). You can use this option to install multiple instances of Communications Suite products on the same host or Solaris zone. Additionally, you can use this option to perform a side-by-side upgrade of Communications Suite products.
<code>--distro path</code>	Specifies the <i>path</i> to packages and patches for the products. Default path: Location of <code>commpkg</code> script
<code>--installroot path</code>	Specifies the <i>path</i> of <code>INSTALLROOT</code>, the top-level installation directory for Communications Suite products and shared components. Default <code>INSTALLROOT</code> on Solaris OS and Red Hat Linux: <code>/opt/sun/comms</code> The subdirectories for individual Communications Suite products are installed under the <code>INSTALLROOT</code>.
<code>--silent INPUTFILE</code>	Runs silent upgrade, taking the inputs from the <i>INPUTFILE</i> and the command-line arguments. The command-line arguments override entries in the <i>INPUTFILE</i>. Upgrade proceeds without interactive prompts. Use <code>--dry-run</code> to test silent upgrade without actually installing the software. Specify <code>NONE</code> for <i>INPUTFILE</i> if you want to run in silent mode without using an input file. When you specify <code>NONE</code>, the upgrade uses default values. For more information about running a silent upgrade, see Communications Suite 7.0.6 Upgrade in Silent Mode.
<code>--dry-run</code> or <code>-n</code>	Does not upgrade Communications Suite components but performs checks. This option creates a silent upgrade file in the <code>/tmp</code> directory.
<code>--upgradeSC [y n]</code>	Indicates whether or not to upgrade shared components as required. If this option is not specified, you are prompted for each shared component that needs to be upgraded by the package <code>uninstall/install</code>. Default: <code>n</code>  Caution Upgrading shared components is irreversible. However, if you do not upgrade required shared components, products might not work as designed. The <code>--excludeSC</code> flag has precedence over this flag.
<code>--pkgOverwrite</code>	This option is only for Solaris OS systems. Overwrites the existing installation package. You might use this option when you are installing a shared component in a global zone where either the shared component does not exist in a global zone, or the shared component exists in the whole root zone. The default is not to override the existing package. In general, shared components should be managed in the global zone.

- - components <i>comp1 comp2 . . .</i>	Specifies the Communications Suite component products to be upgraded. Separate each component product with a space. (Thus, the list is a space-delimited set.) To specify each component product, use the mnemonic associated with that product. For example, Messaging Server (32-bit) uses MS, Messaging Server (64-bit) uses MS64, Calendar Server uses CS, and so on. To display a list of the mnemonics for all the component products, use the <code>commpkg info -- listpackages</code> command.
- - usePkgUpgrade	For Communications Suite products, if the upgrade can be performed by using a patch or an in-place package upgrade, this option uses the in-place package upgrade. The default is to use a patch to upgrade, if possible. Note Patches are used only on Solaris OS.

Note: The `auditDistro` option was removed in Communications Suite 7 Update 3.

commpkg upgrade 7.0.6 Sample Session

Here is a [sample session of `commpkg upgrade`](#).

commpkg upgrade 7.0.6 Sample Session

commpkg upgrade 7.0.6 Sample Session

This sample session shows an upgrade of the following Communications Suite 7.0.6 products:

- Messaging Server, to version 7.0.5.31.0
- Comms Directory Server Setup Script, to version 6.4.0.26.0

The session uses the `commpkg upgrade` command to perform the upgrade.

Topics:

- [Summary of Commands Run](#)
- [Comments](#)
- [Session](#)

This section outlines the commands to run and lists a sample session.

Summary of Commands Run

```
615 ./commpkg install --silent=NONE --skipOSLevelCheck --comp="MS64
DSSETUP"
616 /opt/sun/comms/messaging64/bin/configure -state
~user/wspace/saveStates/worfin
617 /opt/sun/comms/messaging64/bin/start-msg
618 uname -a
619 cd ../ci76
620 ./commpkg upgrade
621 cat
/var/opt/CommsInstaller/logs/silent_CommsInstaller_20140808183551
622 cat /var/opt/CommsInstaller/logs/CommsInstaller_20140808183551.log
623 ./commpkg info
624 ./commpkg info --verbose
```

Comments

(Carryover from R7u2) Upgrade comments

- Only products that are upgradable are listed. E.g. if MS was already at the latest version, then it would not be displayed as a selection for upgrade.
- Different products may require additional steps after upgrade.
- Dssetup in particular requires that you run the new version to update the DS. This isn't shown in the sample session.
- For MS, there are no additional steps required unless you are in a cluster.
- For DA you typically have to upgrade DSsetup first prior to upgrading DA, entailing that you have to run compkg upgrade twice (unfortunately)
- Shared components (SCs) will be upgraded as required.
- If you don't want SCs upgraded use the --excludeSC switch
- Note that upgrade will either do a pkgmgr/pkgadd or a patchadd for the upgrade depending on what is installed. In the case of MS for this session, patchadd is done. If the original MS installation was 6.3, a pkgmgr/pkgadd would have been done. For Dssetup, the new version is a patch, so patchadd is used. Note that you can backout a patch with patchrm, but there is no easy way to backout an upgrade that uses pkgmgr/pkgadd. In either case, it is always advisable to have a backup of your system (e.g. using zfs snapshot)

Session

```
[615 Fri Aug 08 18:35:11 root@host% /home/user/wspace/releases/ci75# ]
# ./compkg install --silent=NONE --skipOSLevelCheck --comp="MS64
DSSETUP"
-- LOGFILE: /tmp/CommsInstaller_20140808183515.log
CommsInstaller version 7.0.5.0.0 (7.5-0.04) built on Thu Oct 17 20:17:09
PDT 2013
```

Welcome to the Oracle Communications Unified Communications Suite
Product Installer
This program will install selected components of the Communications
Suite

on your computer. Do note that the installer lays down the
bits, but does not do configuration. Separate configuration
steps for each individual product will be required.

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```
=====
Specify Install Location
```

This program will extract the server files and install them
into a directory you specify. That directory is called the
INSTALLROOT in the product documentation and will contain
the server programs.

To accept the default shown in brackets, press the Enter key.

```

Install location [/opt/sun/comms]: -- /opt/sun/comms already exists,
existing data may be overwritten
Accept
Anyway?=====
Detecting Installed Products...
NOTICE: CommsInstaller is present with a different pkg VERSION.
Detecting Installed Patches...
NOTICE: The OS Recommended Patch Cluster (as of 2013.02.19)
has not been applied. Specifically the following
patches are missing:
147147-26
NOTICE: You must apply the latest OS Recommended Patchset
Some products will not work properly without it
=====
Product Selection:

Shared Components (not shown) will be installed as required.
Any required Shared Components upgrade will NOT be performed.
This may result in products not working.
OS patches (not shown) will be installed as required.

Communication Products:

Item Description
----
1 Messaging Server (64bit) 7.0.5.29.0
2 Comms DSsetup 6.4.0.25.0
3 Calendar Server 7.0.4.14.0
4 Instant Messaging 9.0.1.4.0
5 Convergence 3.0.0.0.0
6 Indexing and Search Service 1.0.5.18.0
7 Comms Delegated Administrator 7.0.0.8.0
8 Messaging Server Sun Cluster HA agent 7.0 (7.0-0.03)
9 Instant Messaging Sun Cluster HA agent 7.3 (7.3-01.02)

Enter the items you wish to install. Enter q to quit.
Prefix an item with ~ to indicate you only want
to install shared component dependencies of that product
You can enter multiple items using commas to separate them.
For example: 1,2
=====
Generating list of things to install...
Checking for Shared Component Upgrade Requirements...
=====
WILL INSTALL: Messaging Server (64bit) 7.0.5.29.0
to /opt/sun/comms/messaging64
WILL INSTALL: Comms DSsetup 6.4.0.25.0
to /opt/sun/comms/dssetup
INFO: CommsInstaller - newer version already installed...
=====
Ready to install

=====
Installing Messaging Server (64bit) 7.0.5.29.0...

```

```

----- Executing Task 1 of 2 ...

=====
Installing Comms DSsetup 6.4.0.25.0...
----- Executing Task 2 of 2 ...
=====
SUMMARY:

All tasks PASSED
Checking JES java symlink...
INFO: no update to /etc/softlist.xml required
=====

NOTICE: To undo the installation, run the commands in:
/var/opt/CommsInstaller/logs/undoCommsInstall_20140808183515

NOTICE: silent file created in:
/var/opt/CommsInstaller/logs/silent_CommsInstaller_20140808183515
NOTICE: LOGFILE created in:
/var/opt/CommsInstaller/logs/CommsInstaller_20140808183515.log
[616 Fri Aug 08 18:35:22 root@host% /home/user/wspace/releases/ci75# ]
# /opt/sun/comms/messaging64/bin/configure -state
~user/wspace/saveStates/worfin
==Creating directories for server data and configuration files
==Checking Directory Server Setup from comm_dssetup
Domain Suffix: o=isp
User/Group Suffix: o=isp
Mail List User Suffix: o=mlusers
Schema Type: 2
==Creating LDAP domain, group and admin accounts
==Creating Configuration Files
==Checking for Common Configuration Warnings
==Running lib/updateCfgVersion
LOGFILE =
/opt/sun/comms/messaging64/log/updateCfgVersion_20140808183526.log
-- Running stored -R
-- updating /opt/sun/comms/messaging64/data/install/VERSION
==Writing Save State File
/var/opt/sun/comms/messaging64/setup/saveState
==Disabling sendmail
sendmail is already disabled.
Next Steps:
* Disable any other active mail servers on this host
* Configure sendmail client (see documentation for details)
* Make sure nsswitch.conf uses DNS for host lookups (details in
documentation)
* Make sure DNS MX/A record is present for 'company33.com'
* Make sure DNS A record for 'host.host1.example.com' points to this
machine
* Generate/Install SSL Certificate if SSL services desired
* Enable/Disable required services:
Service Port Change Port Enable/Disable Service
-----
Message Store local.store.enable (1)
IMAP Server 143 service.imap.port service.imap.enable (1)

```

```

POP Server 110 service.pop.port service.pop.enable (1)
IMAPS Server 993 service.imap.sslport service.imap.enablesslport (0)
POPS Server 995 service.pop.sslport service.pop.enablesslport (0)
LMTP Server 225 dispatcher.cnf dispatcher.cnf (disabled)
MTA local.imta.enable (1)
SMTP Relay 25 dispatcher.cnf dispatcher.cnf (enabled)
SMTP Submit 587 dispatcher.cnf dispatcher.cnf (enabled)
SMTPS Submit 465 dispatcher.cnf dispatcher.cnf (disabled)
http mail proxy 8990 service.http.port service.http.enable (1)
https mail proxy 8991 service.http.sslport service.http.enablesslport
(0)
MMP local.mmp.enable (0)
IMAP Proxy 143 AService.cfg AService.cfg (0)
POP Proxy 110 AService.cfg AService.cfg (0)
Submit Proxy 587 AService.cfg AService.cfg (disabled)
IMAPS Proxy 993 AService.cfg & ImapProxyAService.cfg (disabled)
POPS Proxy 995 AService.cfg & PopProxyAService.cfg (disabled)
Submits Proxy 465 AService.cfg & SmtpproxyAService.cfg (disabled)
Internal Servers
watcher 49994 local.watcher.port local.watcher.enable (1)
job_controller 27442 job_controller.cnf local.imta.enable (1)
ENS 7997 local.ens.port local.ens.enable (1)
metermaid 63837 metermaid.config.port local.metermaid.enable (0)
* Configure your network firewall to allow/block above services as
appropriate
* Make sure postmaster 'user2@example.com' is provisioned and functional
* Enable RBAC non-root support for improved security
* Use 'start-msg' to start servers
or Enable SMF for Messaging Server (see documentation for details)
Configuration Completed successfully
See log file for details:
/var/opt/sun/comms/messaging64/log/configure_20140808183526.log
[617 Fri Aug 08 18:35:28 root@host% /home/user/wspace/releases/ci75# ]
# /opt/sun/comms/messaging64/bin/start-msg
Connecting to watcher ...
Launching watcher ... 8868
Starting ens server ... 8869
Starting store server .... 8870
Checking store server status ... ready
Starting purge server .... 8871
Starting imap server .... 8872
Starting pop server .... 8873
Starting http server .... 8874
Starting sched server ... 8875
Starting dispatcher server .... 8877
Starting job_controller server .... 8883
[618 Fri Aug 08 18:35:41 root@host% /home/user/wspace/releases/ci75# ]
# uname -a
SunOS host 5.10 Generic_147440-12 sun4v sparc sun4v
[619 Fri Aug 08 18:35:46 root@host% /home/user/wspace/releases/ci75# ]
# cd ../ci76
[620 Fri Aug 08 18:35:49 root@host% /home/user/wspace/releases/ci76# ]
# ./commpkg upgrade
-- LOGFILE: /tmp/CommsInstaller_20140808183551.log
CommsInstaller version 7.0.6.0.0 (7.6-0.10) built on Tue Jul 1 21:57:57
PDT 2014

```

Welcome to the Oracle Communications Unified Communications Suite
Product Installer
This program will install selected components of the Communications
Suite
on your computer. Do note that the installer lays down the
bits, but does not do configuration. Separate configuration
steps for each individual product will be required.

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```
=====
Detecting Installed Products...
Detecting Installed Patches...
NOTICE: The OS Recommended Patch Cluster (as of 2013.02.19)
has not been applied. Specifically the following
patches are missing:
147147-26
NOTICE: You must apply the latest OS Recommended Patchset
Some products will not work properly without it
Do you want to continue ? [no] : yes
=====
Product Selection:
```

Communication Products:

```
Item Description
-----
1 Messaging Server (64bit) 7.0.5.31.0
Installed Version 7.0.5.29.0 at /opt/sun/comms/messaging64
2 Comms DSsetup 6.4.0.26.0
Installed Version 6.4.0.25.0 at /opt/sun/comms/dssetup
```

Enter the items you wish to upgrade. Enter q to quit.
You can enter multiple items using commas to separate them.
For example: 1,2

```
Please select the products you wish to upgrade [1, 2]:
=====
Checking for Shared Component Upgrade Requirements...
=====
NOTICE: Upgrading Messaging Server (64bit) 7.0.5.29.0
to 7.0.5.31.0 at /opt/sun/comms/messaging64
Upgrade will be done by applying a patch
WILL INSTALL: patch 137204-31 for Messaging Server (64bit)
NOTICE: Upgrading Comms DSsetup 6.4.0.25.0
to 6.4.0.26.0 at /opt/sun/comms/dssetup
Upgrade will be done by applying a patch
WILL INSTALL: patch 118245-26 for Comms DSsetup
=====
Ready to upgrade
```

Do you want to continue ? [yes] :

```
=====
```



```

Upgrading Messaging Server (64bit) 7.0.5.29.0 at
/opt/sun/comms/messaging64...
----- Executing Task 1 of 4 ...
--
/net/comms-nfs.host1.example.com/export/megan/wspace/user1/releases/ci76/Su
7.5-29.01 /opt/sun/comms/messaging64 0 "137204-31"

=====
Installing patch 137204-31 for Messaging Server (64bit)...
----- Executing Task 2 of 4 ...
----- Executing Task 3 of 4 ...
--
/net/comms-nfs.host1.example.com/export/megan/wspace/user1/releases/ci76/Su
7.5-29.01 /opt/sun/comms/messaging64 0 "137204-31"
-- /opt/sun/comms/messaging64/bin/patch-config
/opt/sun/comms/messaging64/install/patch/137204-31
-- LOGFILE:
/opt/sun/comms/messaging64/install/patch/137204-31/patch-config_20140808183
New: /opt/sun/comms/messaging64/data/install/ugdir_diff.ldif
--
-- Number of new config files: 1
-- Number of config files to delete: 0
-- Number of config files with conflicts: 0
-- Number of config files that are images (gif png ico or jpg): 0
-- The list of new config files are in:
/opt/sun/comms/messaging64/install/patch/137204-31/newconfig.list
-- The list of config files to be deleted are in:
/opt/sun/comms/messaging64/install/patch/137204-31/delconfig.list

--
-- Please review the changes in the new config files before installing
them.
-- To install the updated config files, run
-- /opt/sun/comms/messaging64/bin/install-newconfig -f
/opt/sun/comms/messaging64/install/patch/137204-31

-- /opt/sun/comms/messaging64/bin/install-newconfig -f
/opt/sun/comms/messaging64/install/patch/137204-31
-- LOGFILE:
/opt/sun/comms/messaging64/install/patch/137204-31/install-newconfig_201408
Stopping services: /opt/sun/comms/messaging64/bin/stop-msg
/opt/sun/comms/messaging64/bin/stop-msg
Connecting to watcher ...
Warning: Cannot connect to watcher
job_controller server is not running
dispatcher server is not running
sched server is not running
http server is not running
pop server is not running
imap server is not running
purge server is not running
store server is not running
ens server is not running
copy
/opt/sun/comms/messaging64/install/patch/137204-31/save/data/install/ugdir_
/opt/sun/comms/messaging64/data/install/ugdir_diff.ldif

```

```

-- Number of different files: 1
-- Number of deleted files: 0
-- Original files are backed up under
/opt/sun/comms/messaging64/install/patch/137204-31/config_20140808183732
-- The final step is to apply the ldif file
-- /opt/sun/comms/messaging64/data/install/ugdir_diff.ldif
-- to the user/group Directory
-- This is not performed automatically, you must do this manually
-- /opt/sun/comms/messaging64/lib/updateCfgVersion
-- config VERSION (7.5-29.01 20130709)
is older than binaries 7.0.5.31.0 (7.5-31.0 20140505)
LOGFILE =
/opt/sun/comms/messaging64/log/updateCfgVersion_20140808183735.log
-- Running stored -R
-- Running imsimta cleandb
-- updating /opt/sun/comms/messaging64/data/install/VERSION
=====
Done Upgrading Messaging Server (64bit) to 7.0.5.31.0 at
/opt/sun/comms/messaging64

=====
Upgrading Comms DSsetup 6.4.0.25.0 at /opt/sun/comms/dssetup...

=====
Installing patch 118245-26 for Comms DSsetup...
----- Executing Task 4 of 4 ...
=====
Done Upgrading Comms DSsetup to 6.4.0.26.0 at /opt/sun/comms/dssetup
=====
SUMMARY:

-- Output of Task 3: postupgrade
/net/comms-nfs.host1.example.com/export/megan/wspace/user1/releases/ci76/Su
7.5-29.01 /opt/sun/comms/messaging64 0 "137204-31"
-- /opt/sun/comms/messaging64/bin/patch-config
/opt/sun/comms/messaging64/install/patch/137204-31
-- LOGFILE:
/opt/sun/comms/messaging64/install/patch/137204-31/patch-config_20140808183
New: /opt/sun/comms/messaging64/data/install/ugdir_diff.ldif
--
-- Number of new config files: 1
-- Number of config files to delete: 0
-- Number of config files with conflicts: 0
-- Number of config files that are images (gif png ico or jpg): 0
-- The list of new config files are in:
/opt/sun/comms/messaging64/install/patch/137204-31/newconfig.list
-- The list of config files to be deleted are in:
/opt/sun/comms/messaging64/install/patch/137204-31/delconfig.list

--
-- Please review the changes in the new config files before installing
them.
-- To install the updated config files, run
-- /opt/sun/comms/messaging64/bin/install-newconfig -f
/opt/sun/comms/messaging64/install/patch/137204-31

```

```

-- /opt/sun/comms/messaging64/bin/install-newconfig -f
/opt/sun/comms/messaging64/install/patch/137204-31
-- LOGFILE:
/opt/sun/comms/messaging64/install/patch/137204-31/install-newconfig_20140808183735.log
Stopping services: /opt/sun/comms/messaging64/bin/stop-msg
/opt/sun/comms/messaging64/bin/stop-msg
Connecting to watcher ...
Warning: Cannot connect to watcher
job_controller server is not running
dispatcher server is not running
sched server is not running
http server is not running
pop server is not running
imap server is not running
purge server is not running
store server is not running
ens server is not running
copy
/opt/sun/comms/messaging64/install/patch/137204-31/save/data/install/ugdir_diff.ldif
/opt/sun/comms/messaging64/data/install/ugdir_diff.ldif
-- Number of different files: 1
-- Number of deleted files: 0
-- Original files are backed up under
/opt/sun/comms/messaging64/install/patch/137204-31/config_20140808183732
-- The final step is to apply the ldif file
-- /opt/sun/comms/messaging64/data/install/ugdir_diff.ldif
-- to the user/group Directory
-- This is not performed automatically, you must do this manually
-- /opt/sun/comms/messaging64/lib/updateCfgVersion
-- config VERSION (7.5-29.01 20130709)
is older than binaries 7.0.5.31.0 (7.5-31.0 20140505)
LOGFILE =
/opt/sun/comms/messaging64/log/updateCfgVersion_20140808183735.log
-- Running stored -R
-- Running imsimta cleandb
-- updating /opt/sun/comms/messaging64/data/install/VERSION
-- End of command output--

All tasks PASSED
Checking JES java symlink...
INFO: no update to /etc/softlist.xml required

Hit Return to Continue:
=====

NOTICE: silent file created in:
/var/opt/CommsInstaller/logs/silent_CommsInstaller_20140808183551
NOTICE: LOGFILE created in:
/var/opt/CommsInstaller/logs/CommsInstaller_20140808183551.log
[621 Fri Aug 08 18:39:44 root@host% /home/user/wspace/releases/ci76# ]
# cat /var/opt/CommsInstaller/logs/silent_CommsInstaller_20140808183551
#
# Silent File for CommsInstaller 7.0.6.0.0 (7.6-0.10)
# Generated on 20140808183551
#

```

```

#
# verb used to create this silent file
VERB=upgrade

#
# alternate distro path if not found where commpkg resides
# and no --distro switch specified is
#
ALTDISTROPATH=/net/comms-nfs.host1.example.com/export/megan/wspace/user1/re
flag to indicate whether to perform pkg overwrite if the pkg already
exists
#
PKGOVERWRITE=no

#
# flag to indicate whether to exclude OS patches
#
EXCLUDEOS=no

#
# flag to indicate whether to exclude shared components
#
EXCLUDESC=no

#
# flag to indicate that all SC should or should not be upgraded without
prompting
#
UPGRADESC=no

#
# INSTALLROOT friendly name
#
INSTALLNAME=

#
# flag to indicate whether to perform upgrade using pkgrm/pkgadd
#
USEPKGUPGRADE=no

#
# flag to indicate whether to skip OS Level Check
#
SKIPOSLEVELCHECK=no

#
# list of components (using mnemonics)
#
COMPONENTS=MS64 DSSETUP
COMPONENT_VERSIONS= 7.5 6.4
[622 Fri Aug 08 18:39:56 root@host% /home/user/wspace/releases/ci76# ]
# cat /var/opt/CommsInstaller/logs/CommsInstaller_20140808183551.log
===== LOGFILE started Fri Aug 8 18:35:51 2014 =====
LOGFILE = /tmp/CommsInstaller_20140808183551.log
Running /usr/bin/perl ./commpkg
-- /usr/bin/perl ./commpkg upgrade

```

```

-- ARGS:
upgrade
-- perl version: 5.008004 pid: 8885
-- basetime: 1407548151 Fri Aug 8 18:35:51 2014
-- scriptDir:
/net/comms-nfs.host1.example.com/export/megan/wspace/user1/releases/ci76
-- LOGFILE: /tmp/CommsInstaller_20140808183551.log
CommsInstaller version 7.0.6.0.0 (7.6-0.10) built on Tue Jul 1 21:57:57
PDT 2014
-- UNAME = SunOS ARCH = sparc OS_VERS = 5.10 BITS = 64
uname -a 2>&1
SunOS host 5.10 Generic_147440-12 sun4v sparc sun4v
-- Exit status: 0
!!! ENV
$VAR1 = {
  'HOME' => '/',
  'PS1' => '[\\! \\d \\t \\u@\\h% \\w\\$ ]
\\$ ',
  'LC_COLLATE' => '',
  'LC_ALL' => '',
  'CDPATH' => '...:/home/user',
  'LC_NUMERIC' => '',
  'MAIL' => '/var/mail/uadmin',
  'TZ' => 'PST8PDT',
  'PWD' => '/home/user/wspace/releases/ci76',
  'LC_TIME' => '',
  'LANG' => 'C',
  'LC_MESSAGES' => '',
  'LC_CTYPE' => '',
  'LOGNAME' => 'uadmin',
  'SHLVL' => '1',
  'OLDPWD' => '/home/user/wspace/releases/ci75',
  'LC_MONETARY' => '',
  '_' => './commpkg',
  'PATH' =>
'/bin:/usr/bin:/usr/sbin:/sbin:/usr/etc::~~/bin:/opt/csw/bin:/new/local/bin:
=> '/bin/sh',
  'HZ' => '',
  'TERM' => 'dumb'
};
cat /etc/release 2>&1
Oracle Solaris 10 8/11 s10s_u10wos_17b SPARC
Copyright (c) 1983, 2011, Oracle and/or its affiliates. All rights
reserved.
Assembled 23 August 2011
-- Exit status: 0
-- Recognized OS_VERS
!!! comms products found in distro
$VAR1 = [
  'MS64',
  'DSSETUP',
  'DAV',
  'IM',
  'IWC',
  'JISS',
  'DA',

```

```

'MS_SCHA',
'IM_SCHA'
];
!!! products found in distro, distroHasProd
$VAR1 = {
'SASL' => 1,
'IWC' => 1,
'MS64_L10N' => 0,
'MS' => 0,
'DSSETUP' => 1,
'MQ_L10N' => 1,
'ICU' => 1,
'MS64' => 1,
'LDAPCSKD6' => 1,
'DAV' => 1,
'JDK' => 0,
'CE' => 0,
'MYSQL' => 0,
'MQ' => 1,
'PATCHUTILS' => 1,
'CI' => 1,
'IMAPI' => 1,
'LDAPCSKD6_TOOLS' => 1,
'NSS' => 1,
'JISS' => 1,
'ST' => 0,
'IM' => 1,
'CS_L10N' => 0,
'RECOMMENDED' => 0,
'NAB' => 1,
'IM_L10N' => 0,
'CS_SCHA' => 0,
'LDAPJDK' => 0,
'MYSQL_MARKER' => 1,
'BZIP' => 1,
'IM_SCHA' => 1,
'MS_L10N' => 0,
'LIBCPLUSPLUS' => 1,
'MS_SCHA' => 1,
'CS' => 0,
'JHRT' => 1,
'CE_L10N' => 0,
'DA' => 1
};
!!! products with Packages found in distro, distroHasPkg
$VAR1 = {
'SASL' => 1,
'IWC' => 1,
'MS64_L10N' => 0,
'MS' => 0,
'DSSETUP' => 1,
'MQ_L10N' => 1,
'ICU' => 1,
'MS64' => 1,
'LDAPCSKD6' => 1,
'DAV' => 1,

```

```

'JDK' => 0,
'CE' => 0,
'MYSQL' => 0,
'MQ' => 1,
'PATCHUTILS' => 0,
'CI' => 1,
'IMAPI' => 1,
'LDAPCSKD6_TOOLS' => 1,
'NSS' => 1,
'JISS' => 1,
'ST' => 0,
'IM' => 1,
'CS_L10N' => 0,
'RECOMMENDED' => 0,
'NAB' => 1,
'IM_L10N' => 0,
'CS_SCHA' => 0,
'LDAPJDK' => 0,
'MYSQL_MARKER' => 1,
'BZIP' => 0,
'IM_SCHA' => 1,
'MS_L10N' => 0,
'LIBCPLUSPLUS' => 0,
'MS_SCHA' => 1,
'CS' => 0,
'JHRT' => 1,
'CE_L10N' => 0,
'DA' => 1
};
!!! products with patches found in distro, distroHasPatch
$VAR1 = {
'SASL' => 1,
'IWC' => 0,
'MS64_L10N' => 0,
'MS' => 0,
'DSSETUP' => 1,
'MQ_L10N' => 0,
'ICU' => 1,
'MS64' => 1,
'LDAPCSKD6' => 0,
'DAV' => 1,
'JDK' => 0,
'CE' => 0,
'MYSQL' => 0,
'MQ' => 0,
'PATCHUTILS' => 1,
'CI' => 0,
'IMAPI' => 1,
'LDAPCSKD6_TOOLS' => 1,
'NSS' => 1,
'JISS' => 1,
'ST' => 0,
'IM' => 1,
'CS_L10N' => 0,
'RECOMMENDED' => 0,
'NAB' => 0,

```

```

'IM_L10N' => 0,
'CS_SCHA' => 0,
'LDAPJDK' => 0,
'MYSQL_MARKER' => 0,
'BZIP' => 1,
'IM_SCHA' => 1,
'MS_L10N' => 0,
'LIBCPLUSPLUS' => 1,
'MS_SCHA' => 0,
'CS' => 0,
'JHRT' => 0,
'CE_L10N' => 0,
'DA' => 1
};
/usr/bin/pkgcond -n is_what 2>&1
can_add_driver=0
can_remove_driver=0
can_update_driver=0
is_alternative_root=0
is_boot_environment=0
is_diskless_client=0
is_global_zone=1
is_mounted_miniroot=0
is_netinstall_image=0
is_nonglobal_zone=0
is_path_writable=1
is_running_system=1
is_sparse_root_nonglobal_zone=0
is_whole_root_nonglobal_zone=0
-- Exit status: 1
/usr/bin/pkgcond -n is_global_zone 2>&1
-- Exit status: 1
/usr/bin/pkgcond -n is_sparse_root_nonglobal_zone 2>&1
-- Exit status: 0
Reading Product Files...
Reading
/net/comms-nfs.host1.example.com/export/megan/wspace/user1/releases/ci76/.i
no mapFile
/net/comms-nfs.host1.example.com/export/megan/wspace/user1/releases/ci76/.i
/net/comms-nfs.host1.example.com/export/megan/wspace/user1/releases/ci76/.i
no mapFile
/net/comms-nfs.host1.example.com/export/megan/wspace/user1/releases/ci76/.i
/net/comms-nfs.host1.example.com/export/megan/wspace/user1/releases/ci76/.i
no mapFile
/net/comms-nfs.host1.example.com/export/megan/wspace/user1/releases/ci76/.i
/net/comms-nfs.host1.example.com/export/megan/wspace/user1/releases/ci76/.i
no mapFile
/net/comms-nfs.host1.example.com/export/megan/wspace/user1/releases/ci76/.i
/net/comms-nfs.host1.example.com/export/megan/wspace/user1/releases/ci76/.i
no mapFile
/net/comms-nfs.host1.example.com/export/megan/wspace/user1/releases/ci76/.i
/net/comms-nfs.host1.example.com/export/megan/wspace/user1/releases/ci76/.i
no mapFile
/net/comms-nfs.host1.example.com/export/megan/wspace/user1/releases/ci76/.i
/net/comms-nfs.host1.example.com/export/megan/wspace/user1/releases/ci76/.i
no mapFile

```


[illegible]

[illegible]


```

'SUNWiwc',
'1.0,REV=2008.07.07'
],
},
'SASL' => {
'2.19' => [
'SUNWsas1',
'2.17,REV=2004.04.06.15.24'
]
},
'MS64_L10N' => {
'6.3' => [
'SUNWmessaging-server-l10n-64',
'6.3,REV=2007.05.09'
]
},
'MS' => {
'7.3_32' => [],
'7.2_32' => [
'SUNWmessaging-server',
'7.0,REV=2008.06.20'
],
'7.5_32' => [],
'6.3_32' => [
'SUNWmsgin',
'6.0,REV=2003.10.29',
'SUNWmsgen',
'6.0,REV=2003.10.29',
'SUNWmsglb',
'6.0,REV=2003.10.29',
'SUNWmsgco',
'6.0,REV=2003.10.29',
'SUNWmsgmt',
'6.0,REV=2003.10.29',
'SUNWmsgst',
'6.0,REV=2003.10.29',
'SUNWmsgmp',
'6.0,REV=2003.10.29',
'SUNWmsgwm',
'6.0,REV=2003.10.29',
'SUNWmsgmf',
'6.0,REV=2003.10.29'
]
},
'DSSETUP' => {
'6.4' => [
'SUNWcomds',
'6.3,REV=2004.08.12'
]
},
'MQ_L10N' => {
'4.3' => [
'SUNWfiqu',
'4.3,REV=2008.10.27.08.57.02',
'SUNWfiquc',
'4.3,REV=2008.10.27.08.57.05',

```

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'SUNWdiqu',
'4.3,REV=2008.10.27.08.57.55',
'SUNWdiquc',
'4.3,REV=2008.10.27.08.57.58',
'SUNWjiqu',
'4.3,REV=2008.10.27.09.00.27',
'SUNWjiquc',
'4.3,REV=2008.10.27.09.00.28',
'SUNWeiQU',
'4.3,REV=2008.10.27.08.58.45',
'SUNWeiQUc',
'4.3,REV=2008.10.27.08.58.48',
'SUNWkiqu',
'4.3,REV=2008.10.27.08.59.36',
'SUNWkiquc',
'4.3,REV=2008.10.27.08.59.38',
'SUNWciqu',
'4.3,REV=2008.10.27.09.01.18',
'SUNWciquc',
'4.3,REV=2008.10.27.09.01.19',
'SUNWhiqu',
'4.3,REV=2008.10.27.09.02.09',
'SUNWhiquc',
'4.3,REV=2008.10.27.09.02.10'
],
'3.7' => [
'SUNWfiqu',
'3.7,REV=2006.09.28.02.20.49',
'SUNWfiquc',
'3.7,REV=2006.09.28.02.21.13',
'SUNWdiqu',
'3.7,REV=2006.09.28.02.20.38',
'SUNWdiquc',
'3.7,REV=2006.09.28.02.21.09',
'SUNWjiqu',
'3.7,REV=2006.09.02.02.06.39',
'SUNWjiquc',
'3.7,REV=2006.09.02.02.07.00',
'SUNWeiQU',
'3.7,REV=2006.09.28.02.20.43',
'SUNWeiQUc',
'3.7,REV=2006.09.28.02.21.11',
'SUNWkiqu',
'3.7,REV=2006.09.28.02.20.59',
'SUNWkiquc',
'3.7,REV=2006.09.28.02.21.19',
'SUNWciqu',
'3.7,REV=2006.09.02.02.06.49',
'SUNWciquc',
'3.7,REV=2006.09.02.02.07.03',
'SUNWhiqu',
'3.7,REV=2006.10.28.02.59.24',
'SUNWhiquc',
'3.7,REV=2006.10.28.02.59.36'
],
'4.1' => [

```

```

'SUNWfiqu',
'4.1,REV=2007.08.02.12.38',
'SUNWfiquc',
'4.1,REV=2007.08.02.12.38',
'SUNWdiqu',
'4.1,REV=2007.08.02.12.38',
'SUNWdiquc',
'4.1,REV=2007.08.02.12.38',
'SUNWjiqu',
'4.1,REV=2007.08.02.12.38',
'SUNWjiquc',
'4.1,REV=2007.08.02.12.38',
'SUNWeiQU',
'4.1,REV=2007.08.02.12.38',
'SUNWeiQUc',
'4.1,REV=2007.08.02.12.38',
'SUNWkiqu',
'4.1,REV=2007.08.02.12.38',
'SUNWkiquc',
'4.1,REV=2007.08.02.12.38',
'SUNWciqu',
'4.1,REV=2007.08.02.12.38',
'SUNWciquc',
'4.1,REV=2007.08.02.12.38',
'SUNWhiqu',
'4.1,REV=2007.08.02.12.38',
'SUNWhiquc',
'4.1,REV=2007.08.02.12.38'
],
'4.4' => [
'SUNWfiqu',
'4.4,REV=2009.10.01.09.42.14',
'SUNWfiquc',
'4.4,REV=2009.10.01.09.42.16',
'SUNWdiqu',
'4.4,REV=2009.10.01.09.42.59',
'SUNWdiquc',
'4.4,REV=2009.10.01.09.43.03',
'SUNWjiqu',
'4.4,REV=2009.10.01.09.45.16',
'SUNWjiquc',
'4.4,REV=2009.10.01.09.45.18',
'SUNWeiQU',
'4.4,REV=2009.10.01.09.43.44',
'SUNWeiQUc',
'4.4,REV=2009.10.01.09.43.47',
'SUNWkiqu',
'4.4,REV=2009.10.01.09.44.30',
'SUNWkiquc',
'4.4,REV=2009.10.01.09.44.32',
'SUNWciqu',
'4.4,REV=2009.10.01.09.46.01',
'SUNWciquc',
'4.4,REV=2009.10.01.09.46.03',
'SUNWhiqu',
'4.4,REV=2009.10.01.09.46.48',

```

```

'SUNWhiquc',
'4.4,REV=2009.10.01.09.46.50'
],
},
'ICU' => {
'ICU2,ICU3' => [
'SUNWicu',
'1.2,REV=2005.01.06.14.13'
]
},
'MS64' => {
'7.5' => [
'SUNWmessaging-server-64',
'7.0,REV=2008.06.20'
],
'7.3_32' => [],
'7.5_32' => [],
'7.2_32' => [
'SUNWmessaging-server',
'7.0,REV=2008.06.20'
],
'6.3' => [
'SUNWmessaging-server-64',
'6.3,REV=2007.02.26'
],
'6.3_32' => [
'SUNWmsgin',
'6.0,REV=2003.10.29',
'SUNWmsgen',
'6.0,REV=2003.10.29',
'SUNWmsglb',
'6.0,REV=2003.10.29',
'SUNWmsgco',
'6.0,REV=2003.10.29',
'SUNWmsgmt',
'6.0,REV=2003.10.29',
'SUNWmsgst',
'6.0,REV=2003.10.29',
'SUNWmsgmp',
'6.0,REV=2003.10.29',
'SUNWmsgwm',
'6.0,REV=2003.10.29',
'SUNWmsgmf',
'6.0,REV=2003.10.29'
]
},
'DAV' => {
'7.4' => [
'SUNWdavserver',
'7.0,REV=2009.08.27'
]
},
'LDAPCSDK6' => {
'6.0' => [
'SUNWldapcsdk-libs',
'6.00,REV=2006.12.11.00.08',

```

```

'SUNWldapcsdk-dev',
'6.00,REV=2006.12.11.00.08'
]
},
'CE' => {
'6.3' => [
'SUNWuwc',
'6.1,REV=2004.04.29'
]
},
'JDK' => {
'1.6.0' => [
'SUNWj6rt',
'1.6.0,REV=2006.11.29.05.57',
'SUNWj6rtx',
'1.6.0,REV=2006.11.29.04.58',
'SUNWj6dev',
'1.6.0,REV=2006.11.29.05.57',
'SUNWj6dvx',
'1.6.0,REV=2006.11.29.04.58',
'SUNWj6cfg',
'1.6.0,REV=2006.11.29.05.57'
],
'1.5.0' => [
'SUNWj5rt',
'1.5.0,REV=2004.12.07.00.07',
'SUNWj5rtx',
'1.5.0,REV=2004.12.06.22.09',
'SUNWj5cfg',
'1.5.0,REV=2004.12.07.00.07'
]
},
'MYSQL' => {
'5.1.36' => [
'mysql',
'5.1.36'
],
'5.5.8' => [
'mysql',
'5.5.8'
]
},
'MQ' => {
'4.3' => [
'SUNWiqr',
'4.3,REV=2008.11.07.18.44',
'SUNWiqu',
'4.3,REV=2008.11.07.18.44',
'SUNWiqdoc',
'4.3,REV=2008.11.07.18.44',
'SUNWiquc',
'4.3,REV=2008.11.07.18.44',
'SUNWiqum',
'4.3,REV=2008.11.07.18.44',
'SUNWiqjx',
'4.3,REV=2008.11.07.18.44',

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'SUNWiqfs',
'4.3,REV=2008.11.07.18.44',
'SUNWiqcrt',
'4.3,REV=2008.11.07.18.44',
'SUNWiqcdv',
'4.3,REV=2008.11.07.18.44',
'SUNWiqlen',
'4.3,REV=2008.11.07.18.45'
],
'3.7' => [
'SUNWiqr',
'3.7,REV=2006.06.18.22.34',
'SUNWiqu',
'3.7,REV=2006.06.18.22.34',
'SUNWiqtpl',
'3.7,REV=2006.06.18.22.35',
'SUNWiqdoc',
'3.7,REV=2006.06.18.22.35',
'SUNWiquc',
'3.7,REV=2006.06.18.22.35',
'SUNWiqum',
'3.7,REV=2006.06.18.22.35',
'SUNWiqjx',
'3.7,REV=2006.06.18.22.35',
'SUNWiqfs',
'3.7,REV=2006.06.18.22.35',
'SUNWiqcrt',
'3.7,REV=2006.06.18.22.35',
'SUNWiqcdv',
'3.7,REV=2006.06.18.22.35',
'SUNWiqlen',
'3.7,REV=2006.06.18.22.35'
],
'4.1' => [
'SUNWiqr',
'4.1,REV=2007.07.26.10.58',
'SUNWiqu',
'4.1,REV=2007.07.26.10.58',
'SUNWiqdoc',
'4.1,REV=2007.07.26.10.58',
'SUNWiquc',
'4.1,REV=2007.07.26.10.59',
'SUNWiqum',
'4.1,REV=2007.07.26.10.59',
'SUNWiqjx',
'4.1,REV=2007.07.26.10.59',
'SUNWiqfs',
'4.1,REV=2007.07.26.10.59',
'SUNWiqcrt',
'4.1,REV=2007.07.26.10.59',
'SUNWiqcdv',
'4.1,REV=2007.07.26.10.59'
],
'4.4' => [
'SUNWiqr',
'4.4,REV=2009.08.27.08.32',

```

```

'SUNWiqu',
'4.4,REV=2009.08.27.08.32',
'SUNWiqdoc',
'4.4,REV=2009.08.27.08.32',
'SUNWiquc',
'4.4,REV=2009.08.27.08.33',
'SUNWiqum',
'4.4,REV=2009.08.27.08.33',
'SUNWiqjx',
'4.4,REV=2009.08.27.08.33',
'SUNWiqfs',
'4.4,REV=2009.08.27.08.33',
'SUNWiqcrt',
'4.4,REV=2009.08.27.08.33',
'SUNWiqcdv',
'4.4,REV=2009.08.27.08.33',
'SUNWiqlen',
'4.4,REV=2009.08.27.08.33'
]
},
'PATCHUTILS' => {
'Unknown' => [
'SUNWpkgcmdsu',
'11.11,REV=2005.01.09.23.05',
'SUNWswmt',
'11.10,REV=2005.01.10.17.19',
'SUNWinstall-patch-utils-root',
'11.10,REV=2005.01.09.23.05',
'SUNWcsr',
'11.10.0,REV=2005.01.21.15.53',
'SUNWdtrc',
'11.10.0,REV=2005.01.21.15.53',
'SUNWzoneu',
'11.10.0,REV=2005.01.21.15.53'
]
},
'CI' => {
'7.6' => [
'SUNWcomms',
'7.6,REV=2014.07.01'
]
},
'IMAPI' => {
'8.0' => [
'SUNWiimdvd',
'8.0,REV=2008.12.04'
],
'7.0' => [
'SUNWiimdvd',
'7.0,REV=2004.11.24.05.24.36'
],
'7.3' => [
'SUNWiimdvd',
'7.3,REV=2008.01.15'
],
'9.2' => [

```

```

'SUNWiimdvd',
'9.0,REV=2011.09.05'
],
},
'LDAPCSDK6_TOOLS' => {
'6.0' => [
'SUNWldapcsdk-tools',
'6.00,REV=2006.12.11.00.08'
],
},
'JISS' => {
'0.9' => [
'SUNWjiss-common',
'1.0,REV=2009.08.17',
'SUNWjiss-conf',
'1.0,REV=2009.08.17',
'SUNWjiss-extjars',
'1.0,REV=2009.08.17',
'SUNWjiss-indexapi',
'1.0,REV=2009.08.17',
'SUNWjiss-jmqc',
'1.0,REV=2009.08.17',
'SUNWjiss-rest',
'1.0,REV=2009.08.17',
'SUNWjiss-search',
'1.0,REV=2009.08.17',
'SUNWjiss-searchui',
'1.0,REV=2009.08.17',
'SUNWjiss-store',
'1.0,REV=2009.08.17',
'SUNWjiss-storeui',
'1.0,REV=2009.08.17'
],
'1.5' => [
'SUNWjiss',
'1.0,REV=2009.09.09'
],
},
'NSS' => {
'4.8.9' => [
'SUNWpr',
'4.6.4,REV=2006.11.16.20.40',
'SUNWprd',
'4.6.4,REV=2006.11.16.20.40',
'SUNWtls',
'3.11.4,REV=2006.11.16.20.40',
'SUNWtlsd',
'3.11.4,REV=2006.11.16.20.40',
'SUNWtlsu',
'3.11.4,REV=2006.11.16.20.40',
'SUNWjss',
'4.2.4,REV=2006.11.16.20.40'
],
},
'CS_L10N' => {
'6.2' => [

```

```

'SUNWdeics',
'6.0,REV=2003.11.14.15.16.33',
'SUNWesics',
'6.0,REV=2003.11.14.15.16.33',
'SUNWfrics',
'6.0,REV=2003.11.14.15.16.33',
'SUNWjaics',
'6.0,REV=2003.11.14.15.16.33',
'SUNWkoics',
'6.0,REV=2003.11.14.15.16.33',
'SUNWzhics',
'6.0,REV=2003.11.14.15.16.33',
'SUNWtwics',
'6.0,REV=2003.11.14.15.16.33'
],
'6.3' => [
'SUNWics-l10n',
'6.3,REV=2007.01.05.03.20.27'
]
},
'ST' => {
'1.1.4' => [
'SUNWservicetagr',
'1.1.4,REV=2008.03.21.07.54',
'SUNWservicetagu',
'1.1.4,REV=2008.03.21.07.54',
'SUNWstosreg',
'1.1.4,REV=2008.03.21.07.54'
]
},
'IM' => {
'8.3' => [
'SUNWiim',
'8.0,REV=2008.12.04',
'SUNWiimin',
'8.0,REV=2008.12.04',
'SUNWiimm',
'8.0,REV=2008.12.04',
'SUNWiimjd',
'8.0,REV=2008.12.04',
'SUNWiimid',
'8.0,REV=2008.12.04',
'SUNWiimc',
'8.0,REV=2008.12.04',
'SUNWiimd',
'8.0,REV=2008.12.04',
'SUNWiimgw',
'8.0,REV=2008.12.04'
],
'7.0' => [
'SUNWiimin',
'7.0,REV=2004.11.24.05.24.36',
'SUNWiim',
'7.0,REV=2004.11.24.05.24.36',
'SUNWiimm',
'7.0,REV=2004.11.24.05.24.36',

```

```

'SUNWiimjd',
'7.0,REV=2004.11.24.05.24.36',
'SUNWiimid',
'7.0,REV=2004.11.24.05.24.36',
'SUNWiimc',
'7.0,REV=2004.11.24.05.24.36',
'SUNWiimd',
'7.0,REV=2004.11.24.05.24.36'
],
'7.3' => [
'SUNWiim',
'7.3,REV=2008.01.15',
'SUNWiimin',
'7.3,REV=2008.01.15',
'SUNWiimm',
'7.3,REV=2008.01.15',
'SUNWiimjd',
'7.3,REV=2008.01.15',
'SUNWiimid',
'7.3,REV=2008.01.15',
'SUNWiimc',
'7.3,REV=2008.01.15',
'SUNWiimd',
'7.3,REV=2008.01.15'
],
'9.2' => [
'SUNWiimin',
'9.0,REV=2011.09.05',
'SUNWiim',
'9.0,REV=2011.09.05',
'SUNWiimm',
'9.0,REV=2011.09.05',
'SUNWiimjd',
'9.0,REV=2011.09.05',
'SUNWiimid',
'9.0,REV=2011.09.05',
'SUNWiimgw',
'9.0,REV=2011.09.05',
'SUNWiimw',
'9.0,REV=2011.09.05',
'SUNWiimfed',
'9.0,REV=2011.09.05'
]
},
'RECOMMENDED' => {
'2013.02.19' => [
'SUNWckr',
'11.10.0,REV=2005.01.21.15.53',
'SUNWbzip',
'11.10.0,REV=2005.01.08.05.16',
'SUNWpkgcmdsu',
'11.11,REV=2005.01.09.23.05'
]
},
'IM_L10N' => {
'7.2' => [

```

```

'SUNWiimc-l10n',
'7.2,REV=2006.12.19.04.40.00',
'SUNWiimd-l10n',
'7.2,REV=2006.10.26.04.19.15',
'SUNWiimid-l10n',
'7.2,REV=2006.10.26.04.19.19',
'SUNWiimin-l10n',
'7.2,REV=2006.10.26.04.19.22'
],
'7.0' => [
'SUNWdiimc',
'7.0,REV=2004.11.24.05.29',
'SUNWdiimd',
'7.0,REV=2004.11.24.05.29',
'SUNWdimid',
'7.0,REV=2004.11.24.05.29',
'SUNWeiimc',
'7.0,REV=2004.11.24.05.29',
'SUNWeiimd',
'7.0,REV=2004.11.24.05.29',
'SUNWeiimin',
'7.0,REV=2004.11.24.05.29',
'SUNWeimid',
'7.0,REV=2004.11.24.05.29',
'SUNWfiimc',
'7.0,REV=2004.11.24.05.30',
'SUNWfiimd',
'7.0,REV=2004.11.24.05.30',
'SUNWfiimin',
'7.0,REV=2004.11.24.05.30',
'SUNWfimid',
'7.0,REV=2004.11.24.05.30',
'SUNWjiimc',
'7.0,REV=2004.11.24.05.26',
'SUNWjiimd',
'7.0,REV=2004.11.24.05.26',
'SUNWjiimin',
'7.0,REV=2004.11.24.05.26',
'SUNWjimid',
'7.0,REV=2004.11.24.05.26',
'SUNWkiimc',
'7.0,REV=2004.11.24.05.26',
'SUNWkiimd',
'7.0,REV=2004.11.24.05.27',
'SUNWkiimin',
'7.0,REV=2004.11.24.05.26',
'SUNWkimid',
'7.0,REV=2004.11.24.05.27',
'SUNWciimc',
'7.0,REV=2004.11.24.05.27',
'SUNWciimd',
'7.0,REV=2004.11.24.05.27',
'SUNWciimin',
'7.0,REV=2004.11.24.05.27',
'SUNWcimid',
'7.0,REV=2004.11.24.05.27',

```

```

'SUNWhiimc',
'7.0,REV=2004.11.24.05.28',
'SUNWhiimd',
'7.0,REV=2004.11.24.05.28',
'SUNWhiimin',
'7.0,REV=2004.11.24.05.28',
'SUNWhimid',
'7.0,REV=2004.11.24.05.28'
]
},
'NAB' => {
'8.0' => [
'SUNWnabserver',
'8.0,REV=2014.05.22'
]
},
'CS_SCHA' => {
'6.0' => [
'SUNWscics',
'6.0,REV=2003.11.14'
],
'6.3' => [
'SUNWscics',
'6.3,REV=2008.03.31.18.10.20'
]
},
'LDAPJDK' => {
'4.21' => [
'SUNWljdk',
'1.0,REV=2004.10.11.06.02'
]
},
'BZIP' => {
'11.10' => [
'SUNWbzip',
'11.10.0,REV=2005.01.08.05.16'
]
},
'MYSQL_MARKER' => {
'1.1' => [
'SUNWcomms-mysql-marker',
'1.1,REV=2011.09.09'
],
'1.0' => [
'SUNWcomms-mysql-marker',
'1.0,REV=2009.09.09'
]
},
'IM_SCHA' => {
'7.0' => [
'SUNWiimsc',
'7.0,REV=2005.08.03.09.41.41'
],
'7.3' => [
'SUNWiimsc',
'7.3,REV=2008.01.07.20.24.34'
]
}

```

```

]
},
'MS_L10N' => {
'6.2' => [
'SUNWmsgde',
'6.0,REV=2003.10.10',
'SUNWmsges',
'6.0,REV=2003.10.10',
'SUNWmsgfr',
'6.0,REV=2003.10.10',
'SUNWmsgja',
'6.0,REV=2003.10.10',
'SUNWmsgko',
'6.0,REV=2003.10.10',
'SUNWmsgzh',
'6.0,REV=2003.10.10',
'SUNWmsgtw',
'6.0,REV=2003.10.10'
],
'6.3' => [
'SUNWmsg-l10n',
'6.3,REV=2006.12.20'
]
},
'LIBCPLUSPLUS' => {
'5.9' => [
'SUNWlibc',
'5.10,REV=2004.12.22'
]
},
'MS_SCHA' => {
'6.0' => [
'SUNWscims',
'6.0,REV=2003.10.29'
],
'7.0' => [
'SUNWmessaging-server-scha',
'7.0,REV=2008.05.19'
]
},
'CS' => {
'6.3' => [
'SUNWics5',
'6.0,REV=2003.11.14.18.12.58',
'SUNWica5',
'6.0,REV=2003.11.14.18.12.58'
]
},
'JHRT' => {
'2.0' => [
'SUNWjhrt',
'2.0,REV=2006.10.31',
'SUNWjhdev',
'2.0,REV=2006.10.04',
'SUNWjhdem',
'2.0,REV=2006.10.04',

```



```

'SUNwjhdoc',
'2.0, REV=2006.10.04'
],
},
'CE_L10N' => {
'6.2' => [
'SUNWduwc',
'6.1, REV=2004.04.23',
'SUNWeuwc',
'6.1, REV=2004.04.23',
'SUNWfuwc',
'6.1, REV=2004.04.23',
'SUNWjuwc',
'6.1, REV=2004.04.23',
'SUNWkuwc',
'6.1, REV=2004.04.23',
'SUNWcuwc',
'6.1, REV=2004.04.23',
'SUNWhuwc',
'6.1, REV=2004.04.23'
],
'6.3' => [
'SUNWuwc-l10n',
'6.1, REV=2006.12.14.03.02.41'
],
},
'DA' => {
'6.4' => [
'SUNWcomic',
'1.0, REV=2003.10.29',
'SUNWcomis',
'1.0, REV=2003.10.29'
],
'7.0' => [
'SUNWcommda',
'7.0, REV=2009.03.31'
],
}
};
===== QQQ findGetVersion =====
!!! getVersion
$VAR1 = {
'SASL' => 'none',
'IWC' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/user1/releases/ci76/s
=> 'none',
'MS' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/user1/releases/ci76/s
=>
'/net/comms-nfs.host1.example.com/export/megan/wspace/user1/releases/ci76/s
=> 'none',
'ICU' => 'none',
'MS64' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/user1/releases/ci76/s
=>
'/net/comms-nfs.host1.example.com/export/megan/wspace/user1/releases/ci76/s

```

```

=> 'none',
'CE' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/user1/releases/ci76/9
=> 'none',
'MYSQL' => 'none',
'PATCHUTILS' => 'none',
'MQ' => 'none',
'IMAPI' => 'none',
'CI' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/user1/releases/ci76/9
=> 'none',
'JISS' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/user1/releases/ci76/9
=> 'none',
'CS_L10N' => 'none',
'IM' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/user1/releases/ci76/9
=> 'none',
'RECOMMENDED' => 'none',
'IM_L10N' => 'none',
'NAB' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/user1/releases/ci76/9
=>
'/net/comms-nfs.host1.example.com/export/megan/wspace/user1/releases/ci76/9
=> 'none',
'BZIP' => 'none',
'MYSQL_MARKER' => 'none',
'IM_SCHA' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/user1/releases/ci76/9
=> 'none',
'LIBCPLUSPLUS' => 'none',
'MS_SCHA' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/user1/releases/ci76/9
=>
'/net/comms-nfs.host1.example.com/export/megan/wspace/user1/releases/ci76/9
=> 'none',
'CE_L10N' => 'none',
'DA' =>
'/net/comms-nfs.host1.example.com/export/megan/wspace/user1/releases/ci76/9
prod_getVers
$VAR1 = {
'SASL' => 0,
'IWC' => '3.0-1.0022',
'MS64_L10N' => 0,
'MS' => '7.2-7.02',
'DSSETUP' => '6.4-26.01',
'MQ_L10N' => 0,
'ICU' => 0,
'MS64' => '7.5-31.0',
'DAV' => '7.4-15.10',
'LDAPCSKD6' => 0,
'CE' => '6.3-13.01',
'JDK' => 0,
'MYSQL' => 0,
'PATCHUTILS' => 0,
'MQ' => 0,

```

```

'IMAPI' => 0,
'CI' => '7.6-0.10',
'LDAPCSKD6_TOOLS' => 0,
'JISS' => '1.5-22.11300',
'NSS' => 0,
'CS_L10N' => 0,
'IM' => '9.2-06.7',
'ST' => 0,
'RECOMMENDED' => 0,
'IM_L10N' => 0,
'NAB' => '8.0-0.52',
'CS_SCHA' => '6.3-1.01',
'LDAPJDK' => 0,
'BZIP' => 0,
'MYSQL_MARKER' => 0,
'IM_SCHA' => '7.3-01.02',
'MS_L10N' => 0,
'LIBCPLUSPLUS' => 0,
'MS_SCHA' => '7.0-0.03',
'CS' => '6.3-32.01',
'JHRT' => 0,
'CE_L10N' => 0,
'DA' => '7.0-9.00'
};
!!! prod_orclVers
$VAR1 = {
'SASL' => 0,
'IWC' => '3.0.0.1.0',
'MS64_L10N' => 0,
'MS' => '\\Unrecognized Parameter\\',
'DSSETUP' => '6.4.0.26.0',
'MQ_L10N' => 0,
'ICU' => 0,
'MS64' => '7.0.5.31.0',
'DAV' => '7.0.4.15.0',
'LDAPCSKD6' => 0,
'CE' => '\\Unrecognized Parameter\\',
'JDK' => 0,
'MYSQL' => 0,
'PATCHUTILS' => 0,
'MQ' => 0,
'IMAPI' => 0,
'CI' => '7.0.6.0.0',
'LDAPCSKD6_TOOLS' => 0,
'JISS' => '1.0.5.22.0',
'NSS' => 0,
'CS_L10N' => 0,
'IM' => '9.0.2.6.0',
'ST' => 0,
'RECOMMENDED' => 0,
'IM_L10N' => 0,
'NAB' => '8.0.0.0.0',
'CS_SCHA' => '\\Unrecognized Parameter\\',
'LDAPJDK' => 0,
'BZIP' => 0,
'MYSQL_MARKER' => 0,

```

```

'IM_SCHA' => '\Unrecognized Parameter\'',
'MS_L10N' => 0,
'LIBCPLUSPLUS' => 0,
'MS_SCHA' => '\Unrecognized Parameter\'',
'CS' => '\Unrecognized Parameter\'',
'JHRT' => 0,
'CE_L10N' => 0,
'DA' => '7.0.0.9.0'
};
!!! prod_builddate
$VAR1 = {
'SASL' => 'none',
'IWC' => '20140630',
'MS64_L10N' => 'none',
'MS' => '20090416',
'DSSETUP' => '20140418',
'MQ_L10N' => 'none',
'ICU' => 'none',
'MS64' => '20140505',
'DAV' => '20140425',
'LDAPCSDK6' => 'none',
'CE' => '20090327',
'JDK' => 'none',
'MYSQL' => 'none',
'PATCHUTILS' => 'none',
'MQ' => 'none',
'IMAPI' => 'none',
'CI' => '20140701',
'LDAPCSDK6_TOOLS' => 'none',
'JISS' => '20140528',
'NSS' => 'none',
'CS_L10N' => 'none',
'IM' => '20140625',
'ST' => 'none',
'RECOMMENDED' => 'none',
'IM_L10N' => 'none',
'NAB' => '20140522',
'CS_SCHA' => '20080331',
'LDAPJDK' => 'none',
'BZIP' => 'none',
'MYSQL_MARKER' => 'none',
'IM_SCHA' => '20080403',
'MS_L10N' => 'none',
'LIBCPLUSPLUS' => 'none',
'MS_SCHA' => '20080519',
'CS' => '20120921',
'JHRT' => 'none',
'CE_L10N' => 'none',
'DA' => '20140106'
};
===== End QQQ findGetVersion =====
INFO: prod_mktVers{NSS} (no map) = 4.8.9
INFO: prod_mktVers{SASL} (no map) = 2.19
INFO: prod_mktVers{LDAPCSDK6} (no map) = 6.0
INFO: prod_mktVers{LDAPCSDK6_TOOLS} (no map) = 6.0
INFO: prod_mktVers{ICU} (no map) = ICU2,ICU3

```

```

INFO: prod_mktVers{JDK} (no map) = 1.6.0
INFO: prod_mktVers{JHRT} (no map) = 2.0
INFO: prod_mktVers{MQ} (no map) = 4.4
INFO: prod_mktVers{MQ_L10N} (no map) = 4.4
INFO: prod_mktVers{LDAPJDK} (no map) = 4.21
INFO: prod_mktVers{IMAPI} (w/ map) = 9u2
INFO: prod_mktVers{LIBCPLUSPLUS} (no map) = 5.9
INFO: prod_mktVers{PATCHUTILS} (no map) = Unknown
INFO: prod_mktVers{BZIP} (no map) = 11.10
INFO: prod_mktVers{RECOMMENDED} (no map) = 2013.02.19
INFO: prod_mktVers{MYSQL_MARKER} (w/ map) = 1.1
INFO: prod_mktVers{MYSQL} (w/ map) = 5.5.8
INFO: prod_mktVers{ST} (no map) = 1.1.4
INFO: prod_mktVers{CI} (w/ map) = 7u6
INFO: prod_mktVers{MS64} (w/ map) = 7u5
INFO: prod_mktVers{DSSETUP} (w/ map) = 6.4
INFO: prod_mktVers{DAV} (w/ map) = 7u4
INFO: prod_mktVers{IM} (w/ map) = 9u2
INFO: prod_mktVers{IWC} (w/ map) = 3
INFO: prod_mktVers{JISS} (w/ map) = 1u5
INFO: prod_mktVers{DA} (w/ map) = 7
INFO: prod_mktVers{MS_SCHA} (no map) = 7.0
INFO: prod_mktVers{IM_SCHA} (no map) = 7.3

```

Welcome to the Oracle Communications Unified Communications Suite Product Installer

This program will install selected components of the Communications Suite on your computer. Do note that the installer lays down the bits, but does not do configuration. Separate configuration steps for each individual product will be required.

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```

=====
Detecting Installed Products...
Checking LIBCPLUSPLUS 5.9 ...
Checking pkg SUNWlibc...pkgparam -v SUNWlibc 2>&1
CLASSES='none'
BASEDIR='/'
PATCH_INFO_119963-29='Installed: Saturday, October 5, 2013 03:05:09 PM
UTC From: host Obsoletes: Requires: Incompatibles:'
SCRIPTS_DIR='/opt/SunProd/studio12u3/solarisstudio12.3-148921-08/patches/11
Sat Nov 3 00:38:56 PDT 2012 From: host Obsoletes: Requires:
Incompatibles:'
INTERRUPTION='no'
PATCH_UNDO_ARCHIVE='none'
PATCH_BUILD_DIR='none'
PATCH_NO_UNDO='false'
PATCH_UNCONDITIONAL='false'
UPDATE='yes'
INSTDATE='Oct 05 2013 15:05'
PATCH_INFO_119963-24='Installed: Tue Aug 23 11:20:49 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCHLIST='119963-24 119963-27 119963-29'

```

```

LC_ALL=''
PKGSAB=' /var/sadm/pkg/SUNWlibc/save'
PKGINST='SUNWlibc'
SUNW_PATCHID='119963-29'
PSTAMP='ouioui20041222170548'
VERSION='5.10,REV=2004.12.22'
SUNW_PRODVERS='5.10'
VENDOR='Oracle Corporation'
SUNW_PKGVERS='1.0'
SUNW_PRODNAME='SunOS'
SUNW_PKGTYPE='usr'
PKG='SUNWlibc'
NAME='Sun Workshop Compilers Bundled libc'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun Workshop Compilers Bundled libc'
CATEGORY='system'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='UTC'
LANG='en_US.ISO8859-1'
LC_MONETARY='en_US.ISO8859-1'
LC_MESSAGES='C'
LC_COLLATE='en_US.ISO8859-1'
LC_TIME='en_US.ISO8859-1'
LC_NUMERIC='en_US.ISO8859-1'
LC_CTYPE='en_US.ISO8859-1'
-- Exit status: 0
present.
LIBCPLUSPLUS 5.9 is already present.
Checking PATCHUTILS Unknown ...
Checking pkg SUNWpkgcmdsu...pkgparam -v SUNWpkgcmdsu 2>&1
CLASSES='none'
BASEDIR='/'
LC_CTYPE=''
LC_NUMERIC=''
LC_TIME=''
LC_COLLATE=''
LC_MESSAGES=''
LC_MONETARY=''
LC_ALL=''
LANG='C'
TZ='PST8PDT'
PKG_CLIENT_OS='Solaris'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_REVISION='0'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
OAMBASE='/usr/sadm/sysadm'
PKG='SUNWpkgcmdsu'
NAME='SVr4 packaging commands (usr)'
ARCH='sparc'

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VERSION='11.11,REV=2005.01.09.23.05'
SUNW_PRODNAME='SunOS'
SUNW_PRODVERS='5.10'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
SUNW_OBSOLETESES=''
MAXINST='1000'
CATEGORY='system'
DESC='Solaris 2.x System V Release IV Packaging Commands (usr)'
VENDOR='Oracle Corporation'
HOTLINE='Please contact your local service provider'
EMAIL=''
SUNW_REQUIRES='121133-02'
SUNW_INCOMPAT=''
SUNW_PATCHID='119254-88'
PSTAMP='on10-adms-patch20121113171249'
PKGINST='SUNWpkgcmds'
PKGSAB=' /var/sadm/pkg/SUNWpkgcmds/save'
PATCHLIST='119317-01 119254-81 125978-08 800130-03 800214-05 119254-88'
INSTDATE='Feb 12 2013 15:55'
UPDATE='yes'
PATCH_NO_UNDO='false'
SCRIPTS_DIR='/export/user3/work/ci_tip/comms/comp/SunOS5.10_DBG.OBJ/release
119254-81 125978-08 800130-03 800214-05 119254-88'
INTERRUPTION='no'
PATCH_UNDO_ARCHIVE='none'
PATCH_BUILD_DIR='none'
PATCH_UNCONDITIONAL='false'
ACTIVE_PATCH='119254-88'
ACTIVE_OBSOLETESES='119015-03'
PATCH_INFO_119317-01='Installed: Tue Aug 23 11:16:31 PDT 2011 From:
fern-re Obsolete: Requires: Incompatibles:'
PATCH_INFO_119254-81='Installed: Tue Aug 23 11:37:32 PDT 2011 From:
fern-re Obsolete: 119015-03 Requires: 121133-02 Incompatibles:'
PATCH_INFO_125978-08='Installed: Tue Aug 23 12:52:12 PDT 2011 From:
fern-re Obsolete: Requires: Incompatibles:'
PATCH_INFO_800130-03='Installed: Tue Aug 23 13:44:26 PDT 2011 From:
fern-re Obsolete: Requires: Incompatibles:'
PATCH_INFO_800214-05='Installed: Tue Aug 23 14:58:34 PDT 2011 From:
fern-re Obsolete: Requires: Incompatibles:'
PATCH_INFO_119254-88='Installed: Tue Feb 12 15:55:02 PST 2013 From: host
Obsolete: 119015-03 Requires: 121133-02 Incompatibles:'
-- Exit status: 0
present.
Checking pkg SUNWswmt...pkgparam -v SUNWswmt 2>&1
CLASSES='none'
BASEDIR='/'
PATCH_INFO_119254-88='Installed: Tue Feb 12 15:55:10 PST 2013 From: host
Obsolete: 119015-03 Requires: 121133-02 Incompatibles:'
PATCH_INFO_800214-05='Installed: Tue Aug 23 14:58:40 PDT 2011 From:
fern-re Obsolete: Requires: Incompatibles:'
PATCH_INFO_800130-03='Installed: Tue Aug 23 13:44:33 PDT 2011 From:
fern-re Obsolete: Requires: Incompatibles:'
PATCH_INFO_125978-08='Installed: Tue Aug 23 12:52:13 PDT 2011 From:
fern-re Obsolete: Requires: Incompatibles:'
PATCH_INFO_120746-01='Installed: Tue Aug 23 12:35:58 PDT 2011 From:

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fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_119254-81='Installed: Tue Aug 23 11:37:32 PDT 2011 From:
fern-re Obsoletes: 119015-03 Requires: 121133-02 Incompatibles:'
ACTIVE_OBSOLETES='119015-03'
ACTIVE_PATCH='119254-88'
INTERRUPTION='no'
PATCH_UNDO_ARCHIVE='none'
PATCH_BUILD_DIR='none'
PATCH_UNCONDITIONAL='false'
OLDLIST='119254-81 120746-01 125978-08 800130-03 800214-05 119254-88'
SCRIPTS_DIR='/export/user3/work/ci_tip/comms/comp/SunOS5.10_DBG.OBJ/release
12 2013 15:55'
PATCHLIST='119254-81 120746-01 125978-08 800130-03 800214-05 119254-88'
PKGSAB=' /var/sadm/pkg/SUNWswmt/save'
PKGINST='SUNWswmt'
PSTAMP='on10-adms-patch20121113171250'
SUNW_PATCHID='119254-88'
SUNW_INCOMPAT=''
SUNW_REQUIRES='121133-02'
EMAIL=''
HOTLINE='Please contact your local service provider'
VENDOR='Oracle Corporation'
DESC='Solaris 2.x Install and Patch Utilities'
CATEGORY='system'
MAXINST='1000'
SUNW_OBSOLETES=''
SUNW_PKGTYPE='usr'
SUNW_PKGVERS='1.0'
SUNW_PRODVERS='5.10'
SUNW_PRODNAME='SunOS'
VERSION='11.10, REV=2005.01.10.17.19'
ARCH='sparc'
NAME='Install and Patch Utilities'
PKG='SUNWswmt'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWinstall-patch-utils-root...pkgparam -v
SUNWinstall-patch-utils-root 2>&1
CLASSES='none rbac manifest preserve'
BASEDIR='/'
LC_CTYPE=''
LC_NUMERIC=''

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LC_TIME=''
LC_COLLATE=''
LC_MESSAGES=''
LC_MONETARY=''
LC_ALL=''
LANG='C'
TZ='PST8PDT'
PKG_CLIENT_OS='Solaris'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_REVISION='0'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
OAMBASE='/usr/sadm/sysadm'
PKG='SUNWinstall-patch-utils-root'
NAME='Install and Patch Utilities (root)'
ARCH='sparc'
VERSION='11.10, REV=2005.01.09.23.05'
SUNW_PRODNAME='SunOS'
SUNW_PRODVERS='5.10'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='root'
SUNW_OBSOLETESES=''
MAXINST='1000'
CATEGORY='system'
DESC='Install and Patch Utilities (root)'
VENDOR='Oracle Corporation'
HOTLINE='Please contact your local service provider'
EMAIL=''
SUNW_REQUIRES='121133-02'
SUNW_INCOMPAT=''
SUNW_PATCHID='119254-88'
PSTAMP='on10-adms-patch20121113171247'
PKGINST='SUNWinstall-patch-utils-root'
PKGSAB='/var/sadm/pkg/SUNWinstall-patch-utils-root/save'
PATCH_UNCONDITIONAL='false'
PATCH_BUILD_DIR='none'
PATCH_UNDO_ARCHIVE='none'
INTERRUPTION='no'
OLDLIST='119254-81 125978-08 800128-01 800130-03 800214-05 119254-88'
ACTIVE_PATCH='119254-88'
ACTIVE_OBSOLETESES='119015-03'
PATCHLIST='119254-81 125978-08 800128-01 800130-03 800214-05 119254-88'
INSTDATE='Feb 12 2013 15:55'
UPDATE='yes'
PATCH_NO_UNDO='false'
SCRIPTS_DIR='/export/user3/work/ci_tip/comms/comp/SunOS5.10_DBG.OBJ/release
Tue Aug 23 11:37:31 PDT 2011 From: fern-re Obsolete: 119015-03
Requires: 121133-02 Incompatibles:'
PATCH_INFO_125978-08='Installed: Tue Aug 23 12:52:11 PDT 2011 From:
fern-re Obsolete: Requires: Incompatibles:'
PATCH_INFO_800128-01='Installed: Tue Aug 23 13:43:44 PDT 2011 From:
fern-re Obsolete: Requires: Incompatibles:'
PATCH_INFO_800130-03='Installed: Tue Aug 23 13:43:56 PDT 2011 From:
fern-re Obsolete: Requires: Incompatibles:'
PATCH_INFO_800214-05='Installed: Tue Aug 23 14:58:17 PDT 2011 From:
fern-re Obsolete: Requires: Incompatibles:'
PATCH_INFO_119254-88='Installed: Tue Feb 12 15:55:00 PST 2013 From: host

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Obsoletes: 119015-03 Requires: 121133-02 Incompatibles: '
-- Exit status: 0
present.
Checking pkg SUNWcsr...pkgparam -v SUNWcsr 2>&1
CLASSES='none initd renamenew preserve cronroot passwd tiservices
inetdconf definit etcremote nsswitch netconfig deflogin defsu syslogconf
ttypsrch group inittab etcrpc etcprofile mailxrc shadow voldconf rmmconf
locallogin localprofile logadmconf nsd fstypes pamconf services rbac
renameold dhcpinittab policyconf pkcs11confbase defpasswd vfstab
manifest ttydefs dhcpagent hosts ipsecalgbase sock2path defkbd'
BASEDIR='/'
LANG=''
TZ='UTC'
PKG_CLIENT_OS='Solaris'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_REVISION='0'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
OAMBASE='/usr/sadm/sysadm'
PKG='SUNWcsr'
NAME='Core Solaris, (Root)'
ARCH='sparc'
VERSION='11.10.0,REV=2005.01.21.15.53'
SUNW_PRODNAME='SunOS'
SUNW_PRODVERS='5.10/Generic'
SUNW_PKGTYPE='root'
SUNW_OBSOLETES=''
MAXINST='1000'
CATEGORY='system'
DESC='core software for a specific instruction-set architecture'
VENDOR='Oracle Corporation'
HOTLINE='Please contact your local service provider'
EMAIL=''
SUNW_PKGVERS='1.0'
SUNW_PKG_ALLZONES='true'
SUNW_PKG_HOLLOW='false'
SUNW_REQUIRES='118833-36 120011-14 121133-02 125555-10 127127-11
137137-09 139555-08 141444-09 142909-17 142933-04 144500-19'
SUNW_INCOMPAT=''
SUNW_PATCHID='147440-12'
PSTAMP='on10-patch20120207154903'
PKGINST='SUNWcsr'
PKGSAB='/var/sadm/pkg/SUNWcsr/save'
PKG_NO_UNIFIED='TRUE'
PATCHLIST='118918-24 120900-04 121133-02 124188-03 125547-02 125891-01
126897-02 137093-01 137097-01 137274-01 140796-01 140860-02 141016-01
141032-01 141496-01 142251-02 142292-01 142911-01 144526-01 144647-01
145959-01 146292-01 146673-01 147186-01 121453-02 138217-01 138866-03
118833-36 121561-04 122640-05 123912-02 125503-02 127755-01 138766-01
139962-02 145120-01 120011-14 127127-11 128402-02 137115-01 137137-09
138181-01 139555-08 141444-09 141900-01 142909-17 143513-02 143609-03
143954-04 144039-02 144500-19 144909-02 145019-01 146476-01 119079-13
121061-01 121778-12 121780-12 123259-12 125095-15 125888-01 138287-07
138289-07 800111-04 800113-04 800120-08 800122-08 800151-15 800153-15
800200-15 800202-16 144526-02 147440-12'
PATCH_INFO_118918-24='Installed: Tue Aug 23 11:14:25 PDT 2011 From:
fern-re Obsoletes: 116781-02 119012-03 121282-02 121284-02 121292-01

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121473-01 121476-01 121478-01 121786-01 123444-01 Requires:
Incompatibles:'

PATCH_INFO_120900-04='Installed: Tue Aug 23 11:22:23 PDT 2011 From:
fern-re Obsoletes: 121266-01 Requires: Incompatibles:'

PATCH_INFO_121133-02='Installed: Tue Aug 23 11:22:28 PDT 2011 From:
fern-re Obsoletes: 121333-03 Requires: 120900-04 Incompatibles:'

PATCH_INFO_124188-03='Installed: Tue Aug 23 11:27:58 PDT 2011 From:
fern-re Obsoletes: 123881-01 Requires: Incompatibles:'

PATCH_INFO_125547-02='Installed: Tue Aug 23 11:28:56 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'

PATCH_INFO_125891-01='Installed: Tue Aug 23 11:29:15 PDT 2011 From:
fern-re Obsoletes: 121265-03 125476-02 Requires: Incompatibles:'

PATCH_INFO_126897-02='Installed: Tue Aug 23 11:29:49 PDT 2011 From:
fern-re Obsoletes: 123426-05 123839-07 Requires: 119578-30
Incompatibles:'

PATCH_INFO_137093-01='Installed: Tue Aug 23 11:30:19 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'

PATCH_INFO_137097-01='Installed: Tue Aug 23 11:30:20 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'

PATCH_INFO_137274-01='Installed: Tue Aug 23 11:30:28 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'

PATCH_INFO_140796-01='Installed: Tue Aug 23 11:34:11 PDT 2011 From:
fern-re Obsoletes: 126419-02 Requires: Incompatibles:'

PATCH_INFO_140860-02='Installed: Tue Aug 23 11:34:13 PDT 2011 From:
fern-re Obsoletes: 119267-01 119574-02 Requires: Incompatibles:'

PATCH_INFO_141016-01='Installed: Tue Aug 23 11:34:14 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'

PATCH_INFO_141032-01='Installed: Tue Aug 23 11:34:15 PDT 2011 From:
fern-re Obsoletes: 141717-01 Requires: Incompatibles:'

PATCH_INFO_141496-01='Installed: Tue Aug 23 11:34:18 PDT 2011 From:
fern-re Obsoletes: 141726-01 Requires: Incompatibles:'

PATCH_INFO_142251-02='Installed: Tue Aug 23 11:34:24 PDT 2011 From:
fern-re Obsoletes: 121004-04 138253-02 139969-02 Requires:
Incompatibles:'

PATCH_INFO_142292-01='Installed: Tue Aug 23 11:34:24 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'

PATCH_INFO_142911-01='Installed: Tue Aug 23 11:34:28 PDT 2011 From:
fern-re Obsoletes: 143055-01 Requires: Incompatibles:'

PATCH_INFO_144526-01='Installed: Tue Aug 23 11:35:13 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'

PATCH_INFO_144647-01='Installed: Tue Aug 23 11:35:15 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'

PATCH_INFO_145959-01='Installed: Tue Aug 23 11:36:49 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'

PATCH_INFO_146292-01='Installed: Tue Aug 23 11:37:09 PDT 2011 From:
fern-re Obsoletes: 126314-01 126649-02 138854-01 Requires:
Incompatibles:'

PATCH_INFO_146673-01='Installed: Tue Aug 23 11:37:13 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'

PATCH_INFO_147186-01='Installed: Tue Aug 23 11:37:25 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'

PATCH_INFO_121453-02='Installed: Tue Aug 23 11:38:18 PDT 2011 From:
fern-re Obsoletes: 120776-03 121086-02 119107-07 Requires: 119574-02
119254-06 Incompatibles:'

PATCH_INFO_138217-01='Installed: Tue Aug 23 11:38:52 PDT 2011 From:
fern-re Obsoletes: 119042-11 Requires: 119254-51 Incompatibles:'

PATCH_INFO_138866-03='Installed: Tue Aug 23 11:39:08 PDT 2011 From: fern-re Obsoletes: Requires: 125555-01 126419-02 Incompatibles:'

PATCH_INFO_118833-36='Installed: Tue Aug 23 11:41:57 PDT 2011 From: fern-re Obsoletes: 118822-30 118348-01 118868-01 120996-02 121298-01 119712-04 119852-03 119943-01 119984-03 120052-03 120196-02 121000-05 117170-01 117461-08 118370-04 118375-07 118852-07 118874-02 118911-01 118913-02 118927-02 118996-04 119216-02 119218-02 119374-13 119444-03 119557-09 119568-02 119569-02 119572-01 119596-03 119681-08 119687-02 119689-08 119715-10 119828-05 119939-01 119941-03 119992-02 119994-01 119996-01 120009-01 120030-03 120034-01 120054-02 120083-01 120251-02 120254-03 120258-02 120300-01 120362-02 120627-01 121237-01 121266-01 121268-01 121276-03 121280-01 121301-02 121777-01 121784-01 121788-02 121790-01 121792-01 121794-02 121796-01 121798-01 121800-01 121802-01 121804-01 121806-01 121808-01 121810-01 121812-01 121814-01 121816-01 121818-01 121820-01 121822-01 121824-01 121826-01 121832-01 121834-01 121836-01 121838-01 121840-01 121842-01 121844-01 121846-01 121848-01 121850-01 121852-01 121854-01 121894-01 122079-01 122081-01 122176-01 122235-01 122237-02 122241-01 122242-01 122243-01 122294-01 122296-01 122298-01 122302-01 122304-01 122306-01 122314-01 122316-01 122318-01 122320-01 122322-01 122324-01 122334-01 122336-01 122338-01 122339-01 122342-01 122344-01 122346-01 122348-01 122350-01 122644-01 120661-04 121694-01 118346-05 118812-03 118857-01 118920-02 119562-01 119571-01 119587-01 120467-05 121782-01 123950-02 118915-01 119560-02 119561-03 119333-01 119582-04 122333-01 122364-01 122366-01 122368-01 122370-01 122372-01 122374-01 122378-01 122380-01 122382-01 122384-01 122386-01 122392-01 119850-22 119982-05 120036-07 120253-03 120664-01 120844-01 121236-02 121693-03 122027-08 122215-01 122253-01 122388-01 122406-01 122523-03 122539-06 122650-02 122750-01 123302-01 123320-01 123352-05 123524-01 122394-01 122519-01 122652-04 123336-01 120198-05 121302-01 122195-03 122648-02 122856-03 123066-01 123304-02 123442-02 123522-01 123914-02 123952-01 124282-01 118548-01 118550-04 119719-01 119205-03 119207-02 119564-01 119215-02 119334-02 119566-01 119831-01 119682-02 118859-01 118992-03 119858-02 120197-01 118850-03 119589-03 118551-03 118835-04 118846-02 118923-04 119075-14 119577-01 119683-02 119832-02 119945-02 119951-01 119949-02 119983-01 119990-01 120017-02 120302-01 120304-05 119947-02 120066-01 118553-04 119591-03 119979-01 120537-05 120013-02 120471-02 124206-02 118870-02 123348-04 122410-01 Requires: 118918-13 119254-14 119042-09 119578-30 Incompatibles:'

PATCH_INFO_121561-04='Installed: Tue Aug 23 11:44:44 PDT 2011 From: fern-re Obsoletes: Requires: 119042-02 Incompatibles:'

PATCH_INFO_122640-05='Installed: Tue Aug 23 11:44:46 PDT 2011 From: fern-re Obsoletes: Requires: 118833-12 Incompatibles:'

PATCH_INFO_123912-02='Installed: Tue Aug 23 11:45:04 PDT 2011 From: fern-re Obsoletes: 123424-02 Requires: 118833-25 Incompatibles:'

PATCH_INFO_125503-02='Installed: Tue Aug 23 11:45:22 PDT 2011 From: fern-re Obsoletes: Requires: 118833-36 118918-24 119042-09 119374-06 119574-02 119578-30 119689-04 120272-03 120900-04 121133-02 121901-01 122640-05 123839-01 Incompatibles:'

PATCH_INFO_127755-01='Installed: Tue Aug 23 11:45:30 PDT 2011 From: fern-re Obsoletes: 125800-02 125369-13 Requires: 118833-36 119578-30 123839-07 126897-02 Incompatibles:'

PATCH_INFO_138766-01='Installed: Tue Aug 23 11:45:47 PDT 2011 From: fern-re Obsoletes: 139926-01 Requires: 119042-09 121901-01 Incompatibles:'

PATCH_INFO_139962-02='Installed: Tue Aug 23 11:45:51 PDT 2011 From: fern-re Obsoletes: 137117-01 138267-03 Requires: 118833-36 119254-51

Incompatibles:'

PATCH_INFO_145120-01='Installed: Tue Aug 23 11:46:01 PDT 2011 From:
fern-re Obsoletes: 145100-01 Requires: 118833-36 119042-09 121901-01
Incompatibles:'

PATCH_INFO_120011-14='Installed: Tue Aug 23 11:48:18 PDT 2011 From:
fern-re Obsoletes: 116781-02 117447-01 117463-05 118371-10 118373-01
118564-03 118731-01 118879-02 118890-03 118925-05 118929-05 119012-03
119073-03 119077-10 119265-02 119332-01 119336-01 119573-02 119580-05
119586-02 119593-01 119685-11 119824-02 119826-02 119981-09 119985-02
119998-02 120023-01 120032-04 120048-03 120050-06 120469-07 120473-12
120629-08 120780-04 120809-01 120824-09 120845-05 120990-02 120998-02
121006-02 121010-06 121215-01 121229-02 121235-01 121278-01 121282-02
121284-02 121288-03 121292-01 121294-01 121406-01 121473-01 121474-01
121476-01 121478-01 121786-01 121905-01 122251-01 122328-01 122404-01
122412-01 122513-02 122535-01 122637-01 122646-02 122658-04 122660-10
122662-05 122752-04 123017-01 123249-02 123256-02 123324-03 123330-01
123350-01 123354-03 123356-02 123362-01 123418-02 123420-02 123422-03
123441-05 123444-01 123910-03 123911-01 123916-05 123954-01 124204-04
124208-01 124250-03 124254-04 124258-07 124280-01 124286-01 124327-04
124442-01 124916-03 124918-02 124921-02 124922-03 124987-02 124990-01
124993-01 124995-01 125009-01 125011-01 125014-03 125018-02 125020-01
125024-01 125026-01 125028-03 125035-01 125040-01 125042-02 125073-01
125077-03 125079-01 125100-10 125112-01 125114-01 125116-02 125118-01
125120-03 125123-01 125127-01 125129-01 125198-02 125203-01 125329-03
125363-06 125371-01 125383-01 125385-02 125420-01 125422-01 125424-01
125427-01 125430-01 125432-01 125465-02 125478-01 125486-01 125488-02
125492-01 125494-02 125497-01 125792-01 125795-01 126255-01 126303-02
126310-01 126320-01 126429-01 126536-01 126663-01 126838-01 Requires:
118833-36 118918-24 119042-09 119254-42 119574-02 119578-30 120272-12
120900-04 121133-02 121901-01 122640-05 125369-05 125503-02 125547-01
126419-01 126897-02 Incompatibles:'

PATCH_INFO_127127-11='Installed: Tue Aug 23 11:49:37 PDT 2011 From:
fern-re Obsoletes: 118557-09 118560-02 118562-14 118843-01 120046-01
120068-03 120737-01 121132-03 121233-01 121239-02 121290-03 121721-01
121944-03 122363-02 122537-02 123360-01 123398-02 123564-01 123712-01
123836-01 123915-01 124235-03 124252-03 124256-06 125016-02 125037-06
125043-01 125081-16 125122-01 125131-01 125169-01 125196-05 125202-01
125251-02 125253-01 125367-03 125380-02 125382-01 125418-01 125482-03
125484-04 125490-02 125501-01 125553-03 125890-03 125899-01 125917-03
126135-01 126143-01 126144-02 126322-01 126423-03 126432-01 126434-06
126448-05 126450-01 126647-02 126664-01 126665-01 126666-01 126668-01
126670-01 126672-02 126916-01 127111-11 127716-01 127718-05 127728-06
127730-04 127732-01 127741-01 127745-01 127747-01 127749-03 127750-01
127753-02 127757-01 127761-01 127855-02 127858-01 127862-01 127874-01
127880-02 127918-02 127966-01 127982-01 127984-02 127990-02 127992-01
128002-01 128028-03 128030-03 128314-01 128404-01 128500-01 136718-01
136887-01 137044-01 137082-01 137113-01 Requires: 118731-01 118833-36
118918-24 119042-09 119254-51 119578-30 120011-14 120900-04 121133-02
121901-01 125891-01 126540-02 126897-02 127755-01 Incompatibles:'

PATCH_INFO_128402-02='Installed: Tue Aug 23 11:50:08 PDT 2011 From:
fern-re Obsoletes: Requires: 120011-14 Incompatibles:'

PATCH_INFO_137115-01='Installed: Tue Aug 23 11:50:15 PDT 2011 From:
fern-re Obsoletes: Requires: 120011-14 119254-51 Incompatibles:'

PATCH_INFO_137137-09='Installed: Tue Aug 23 11:50:31 PDT 2011 From:
fern-re Obsoletes: 120741-01 120986-12 120992-02 121008-02 121274-01
121414-01 122029-01 122083-02 122172-06 122174-03 122356-01 122358-01

122517-04 122525-03 123186-03 123809-02 123932-02 124999-01 125416-06
 126133-04 126145-01 126304-01 126653-01 126661-02 126674-01 127714-03
 127735-02 127739-03 127866-05 127868-01 127886-06 127888-11 127892-06
 127914-01 127959-02 127968-01 127970-01 128294-02 128400-05 128408-01
 128410-01 128413-01 128493-01 128548-08 136885-04 137042-01 137045-01
 137050-01 137086-01 137091-01 137099-01 137109-01 137111-08 137119-01
 137127-01 137135-01 137139-01 137280-02 137287-01 138042-05 138048-05
 138050-01 138051-01 138052-01 138054-01 138056-02 138060-04 138064-03
 138066-01 138068-01 138070-03 138072-02 138074-01 138075-02 138108-01
 138125-01 138127-01 138225-02 138229-02 138233-01 138237-01 138243-02
 138249-01 138251-01 138257-01 138259-01 138265-01 138271-04 138273-01
 138277-01 138279-01 138280-01 138284-04 138305-01 138306-01 138308-02
 138310-01 138312-01 138314-01 138315-01 138316-01 138363-01 138365-01
 138379-01 138390-02 138394-01 138401-01 138899-01 Requires: 118731-01
 118822-24 118833-36 118918-24 119254-58 119374-09 119578-30 120011-14
 120900-04 121133-02 125503-02 126897-02 127127-11 127755-01 138866-01
 Incompatibles:'
 PATCH_INFO_138181-01='Installed: Tue Aug 23 11:50:58 PDT 2011 From:
 fern-re Obsoletes: 138159-01 Requires: 120011-14 125503-02
 Incompatibles:'
 PATCH_INFO_139555-08='Installed: Tue Aug 23 11:51:17 PDT 2011 From:
 fern-re Obsoletes: 120062-01 121130-01 125551-02 126264-01 127743-02
 127853-02 128253-01 128296-01 128318-01 128322-01 128340-01 128406-01
 137095-01 137106-01 137278-01 138058-01 138106-02 138114-01 138231-01
 138241-05 138397-01 138639-01 138850-01 138864-01 138878-01 138888-08
 139385-02 139458-01 139459-01 139466-04 139483-05 139489-03 139492-01
 139494-01 139498-04 139500-04 139502-03 139506-01 139551-01 139558-03
 139560-02 139562-02 139566-01 139570-05 139571-01 139572-02 139574-03
 139579-04 139931-01 139936-01 139938-01 139939-01 139942-01 139947-01
 139951-01 139952-01 139960-02 139965-01 139994-01 140000-04 140076-02
 140077-01 140142-01 140173-01 140194-04 140196-01 140197-01 140334-01
 140389-01 140402-01 140411-01 140677-01 140679-01 140774-03 140776-01
 140794-01 140855-01 141006-01 141008-01 Requires: 125555-02 118731-01
 118833-36 118918-24 119042-09 119254-41 119578-30 120011-14 120900-04
 121133-02 126897-02 127127-11 127755-01 137137-09 138217-01 140796-01
 140899-01 141016-01 Incompatibles:'
 PATCH_INFO_141444-09='Installed: Tue Aug 23 11:52:07 PDT 2011 From:
 fern-re Obsoletes: 119143-02 120807-01 122754-01 123402-01 124924-01
 125915-01 126266-01 126421-02 128004-01 128304-04 128306-05 128328-01
 128334-01 128491-01 137021-03 137121-06 137129-06 137141-01 137289-02
 137292-01 138044-02 138083-01 138104-01 138130-01 138174-04 138255-03
 138269-02 138392-01 138625-02 138629-01 139386-02 139462-02 139464-01
 139490-01 139881-01 139928-03 139956-01 139964-03 139973-01 139974-03
 139977-07 139982-04 139985-02 139991-03 139993-03 139996-02 140150-01
 140338-01 140408-01 140589-02 140916-02 140919-04 141028-01 141057-01
 141414-10 141494-01 141510-03 141520-01 141524-03 141530-01 141538-01
 141540-01 141546-01 141554-01 141556-01 141560-02 141690-02 141692-01
 141694-02 141715-03 141721-03 141729-01 141731-01 141733-04 141736-05
 141742-04 141743-04 141767-01 141770-01 141771-01 141775-01 141777-01
 141781-02 141892-01 141894-01 141902-02 141908-01 141918-01 141920-03
 141934-01 142004-01 142013-01 142051-01 142056-02 142246-01 142284-01
 142479-01 142483-01 142489-01 Requires: 118833-36 118918-24 119042-09
 119254-41 119578-30 120011-14 120900-04 121133-02 121901-01 121921-02
 125503-02 126540-02 126897-02 127127-11 127755-01 137137-09 139555-08
 142292-01 Incompatibles:'
 PATCH_INFO_141900-01='Installed: Tue Aug 23 11:52:47 PDT 2011 From:


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fern-re Obsoletes: Requires: 118833-36 127127-11 137137-09 139555-08
Incompatibles:'
PATCH_INFO_142909-17='Installed: Tue Aug 23 11:53:40 PDT 2011 From:
fern-re Obsoletes: 118814-01 120038-01 120816-01 121128-01 121394-03
122085-01 123194-01 123271-01 123332-02 123334-05 125022-01 125108-02
125174-02 125200-01 125201-01 125808-01 125896-03 126308-01 126428-01
127723-01 127759-03 127762-01 127882-03 128032-01 128324-02 128346-01
136891-02 137017-03 137028-01 137123-03 137133-01 137291-01 138046-02
138081-01 138098-01 138112-01 138116-01 138118-01 138120-01 138157-01
138169-01 138223-03 138263-03 138283-05 138318-03 138324-03 138375-01
138381-01 138411-01 138627-07 138644-01 138764-02 138848-02 138858-01
138870-01 138872-02 138874-05 139390-01 139468-01 139487-01 139503-01
139504-01 139508-01 139509-02 139514-01 139553-01 139568-01 139935-01
139941-01 139943-01 139945-03 139946-01 139948-01 139949-01 139958-01
139970-01 139971-01 139975-03 139983-04 140003-03 140078-01 140144-01
140146-01 140151-02 140157-03 140165-01 140167-01 140169-01 140175-01
140192-01 140386-04 140391-03 140395-01 140397-11 140401-01 140413-01
140557-01 140559-01 140562-02 140681-02 140788-01 140917-02 141012-01
141022-02 141026-14 141030-10 141034-02 141054-01 141536-01 141542-01
141544-01 141550-02 141562-02 141723-02 141740-01 141773-01 141780-01
141899-03 141906-01 141914-02 141922-02 142005-01 142055-03 142236-02
142242-05 142245-02 142247-01 142249-01 142257-05 142259-07 142263-01
142290-01 142330-01 142346-02 142390-03 142436-08 142481-01 142528-01
142539-01 142541-01 142675-01 142900-15 143051-01 143052-02 143054-01
143117-01 143119-02 143120-03 143122-02 143125-02 143128-05 143131-08
143135-03 143137-04 143350-05 143352-01 143354-03 143356-01 143357-05
143359-02 143360-01 143515-01 143519-01 143521-02 143523-04 143528-01
143556-04 143558-01 143565-01 143569-04 143574-01 143576-03 143583-02
143585-01 143586-02 143590-01 143595-01 143597-02 143603-01 143605-01
143607-01 143611-01 143613-01 143623-01 143895-01 143897-03 143899-01
143903-01 143905-01 143907-01 143909-06 143911-01 143920-02 143927-02
143933-01 143935-01 143943-01 144015-01 144017-01 144019-01 144021-01
144023-01 144043-01 144045-02 144049-01 144051-03 144056-01 144110-01
144182-01 144258-01 144369-01 144373-01 144389-01 144453-01 144494-01
144511-01 144624-01 144761-01 145024-01 145049-01 145051-01 145102-01
145103-01 Requires: 118731-01 118833-36 118918-24 119042-09 119578-30
120011-14 120900-04 121133-02 121901-01 126540-02 126897-02 127127-11
127755-01 137137-09 139555-08 141444-09 142911-01 142933-02
Incompatibles:'
PATCH_INFO_143513-02='Installed: Tue Aug 23 11:54:39 PDT 2011 From:
fern-re Obsoletes: Requires: 118833-36 120011-14 125503-02 141444-09
Incompatibles:'
PATCH_INFO_143609-03='Installed: Tue Aug 23 11:54:46 PDT 2011 From:
fern-re Obsoletes: 144196-02 Requires: 118833-36 120011-14 139555-08
Incompatibles:'
PATCH_INFO_143954-04='Installed: Tue Aug 23 11:54:59 PDT 2011 From:
fern-re Obsoletes: 142053-03 142485-01 142487-01 142535-03 Requires:
127127-11 139555-08 Incompatibles:'
PATCH_INFO_144039-02='Installed: Tue Aug 23 11:55:05 PDT 2011 From:
fern-re Obsoletes: 140961-03 140964-02 Requires: 119042-09 120011-14
121901-01 123406-02 126419-02 139555-08 140796-01 141444-09 142909-17
Incompatibles:'
PATCH_INFO_144500-19='Installed: Tue Aug 23 11:55:30 PDT 2011 From:
fern-re Obsoletes: 118735-02 118842-01 120044-01 120061-02 120085-02
120994-01 121559-01 122183-03 122408-01 123319-01 123908-02 124237-01
125167-01 125171-02 125414-01 125549-01 126258-03 126260-02 126319-01

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126655-02 126896-01 127737-02 127998-01 128000-01 128326-01 136889-01
136892-01 138079-01 138085-01 138087-01 138089-01 138128-01 138239-01
138261-03 138291-01 138293-01 138320-02 138371-06 138373-02 138377-01
138383-01 138387-01 138634-01 138880-02 139478-01 139485-02 139959-04
140074-09 140161-01 140163-01 140190-01 140387-02 140399-03 140683-01
140784-01 140921-02 141010-01 141020-03 141024-01 141052-02 141500-08
141502-02 141506-10 141508-02 141534-01 141686-01 141738-01 142046-04
142238-02 142342-01 142542-01 143140-04 143559-10 143561-10 143571-02
143575-01 143592-09 144053-05 144055-01 144184-02 144254-01 144256-01
144302-01 144311-03 144313-01 144315-01 144367-02 144382-01 144384-02
144459-01 144488-17 144490-01 144508-02 144521-01 144530-01 144532-01
144536-02 144542-06 144548-01 144550-01 144552-01 144554-01 144561-02
144563-02 144565-05 144567-02 144571-02 144573-01 144574-06 144748-02
144754-01 144759-02 144874-01 144903-02 145021-01 145042-03 145046-01
145047-01 145107-02 145124-02 145788-03 145792-01 145794-01 145796-02
145798-08 145868-05 145870-01 145885-01 145887-01 145889-03 145893-02
145895-05 145897-01 145901-01 145907-02 145913-01 145915-01 145927-02
145933-02 145939-01 145941-02 145944-01 145961-02 145963-01 146017-04
146018-03 146019-02 146021-02 146023-01 146028-05 146030-01 146058-02
146062-02 146064-01 146066-02 146069-04 146070-01 146073-01 146132-01
146230-01 146277-01 146287-01 146327-01 146328-02 146336-03 146440-01
146442-01 146443-01 146447-02 146449-01 146478-01 146482-01 146484-01
146570-02 146584-01 146677-01 146701-01 146778-02 146802-03 146804-01
146842-01 146846-01 146855-01 146857-01 147053-01 147182-01 Requires:
118833-36 118918-24 119042-09 119254-41 119578-30 120011-14 121901-01
125891-01 126897-02 127127-11 127755-01 137137-09 139555-08 141444-09
142909-17 142933-03 144526-01 147061-01 Incompatibles:'
PATCH_INFO_144909-02='Installed: Tue Aug 23 11:56:33 PDT 2011 From:
fern-re Obsoletes: 144746-01 Requires: 118833-36 120011-14 137137-09
142909-17 Incompatibles:'
PATCH_INFO_145019-01='Installed: Tue Aug 23 11:56:39 PDT 2011 From:
fern-re Obsoletes: Requires: 118833-36 120011-14 139555-08 141444-09
Incompatibles:'
PATCH_INFO_146476-01='Installed: Tue Aug 23 11:58:04 PDT 2011 From:
fern-re Obsoletes: 144544-01 Requires: 120011-14 139555-08 142909-17
Incompatibles:'
PATCH_INFO_119079-13='Installed: Tue Aug 23 12:35:13 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_121061-01='Installed: Tue Aug 23 12:36:04 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_121778-12='Installed: Tue Aug 23 12:36:18 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_121780-12='Installed: Tue Aug 23 12:36:27 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_123259-12='Installed: Tue Aug 23 12:36:47 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_125095-15='Installed: Tue Aug 23 12:40:06 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_125888-01='Installed: Tue Aug 23 12:52:06 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_138287-07='Installed: Tue Aug 23 12:55:26 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_138289-07='Installed: Tue Aug 23 13:07:30 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800111-04='Installed: Tue Aug 23 13:11:38 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'


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PATCH_INFO_800113-04='Installed: Tue Aug 23 13:25:04 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800120-08='Installed: Tue Aug 23 13:28:17 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800122-08='Installed: Tue Aug 23 13:43:20 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800151-15='Installed: Tue Aug 23 13:47:24 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800153-15='Installed: Tue Aug 23 14:02:40 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800200-15='Installed: Tue Aug 23 14:41:55 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800202-16='Installed: Tue Aug 23 14:57:45 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
MODIFIED_AFTER_INSTALLED=''
INSTDATE='Jun 13 2012 04:25'
UPDATE='yes'
PATCH_UNCONDITIONAL='false'
PATCH_NO_UNDO='true'
PATCH_BUILD_DIR='none'
PATCH_UNDO_ARCHIVE='none'
INTERRUPTION='no'
PATCH_INFO_144526-02='Installed: Wed Jun 13 04:19:24 UTC 2012 From: host
Obsoletes: Requires: 125555-11 Incompatibles:'
SCRIPTS_DIR='/tmp/patch_sol_set/10_Recommended/11282011/patches/147440-12/s
125902-02 137276-01 140383-01 140563-03 141590-02 141765-01 143941-02
144534-02 146279-01 146281-01 146283-01 146294-03 146320-03 146322-01
146575-03 146767-02 147012-02 147157-02 147258-01 147268-01 147436-01
147699-01 147701-01 147713-01 147770-01 148229-01'
PATCH_INFO_147440-12='Installed: Wed Jun 13 04:25:06 UTC 2012 From: host
Obsoletes: 125804-01 125902-02 137276-01 140383-01 140563-03 141590-02
141765-01 143941-02 144534-02 146279-01 146281-01 146283-01 146294-03
146320-03 146322-01 146575-03 146767-02 147012-02 147157-02 147258-01
147268-01 147436-01 147699-01 147701-01 147713-01 147770-01 148229-01
Requires: 118833-36 120011-14 121133-02 125555-10 127127-11 137137-09
139555-08 141444-09 142909-17 142933-04 144500-19 Incompatibles:'
-- Exit status: 0
present.
Checking pkg SUNWdtrc...pkgparam -v SUNWdtrc 2>&1
CLASSES='none'
BASEDIR='/'
LANG=''
TZ='UTC'
PKG_CLIENT_OS='Solaris'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_REVISION='0'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
OAMBASE='/usr/sadm/sysadm'
PKG='SUNWdtrc'
NAME='DTrace Clients'
ARCH='sparc'
VERSION='11.10.0, REV=2005.01.21.15.53'
SUNW_PRODNAME='SunOS'
SUNW_PRODVERS='5.10/Generic'
SUNW_PKGTYPE='usr'
SUNW_OBSOLETE=''

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MAXINST='1000'
CATEGORY='system'
DESC='Dynamic Tracing (DTrace) Clients'
VENDOR='Oracle Corporation'
HOTLINE='Please contact your local service provider'
EMAIL=''
SUNW_PKGVERS='1.0'
SUNW_PKG_ALLZONES='true'
SUNW_PKG_HOLLOW='false'
SUNW_REQUIRES='118833-36 120011-14 121133-02 125555-10 127127-11
137137-09 139555-08 141444-09 142909-17 142933-04 144500-19'
SUNW_INCOMPAT=''
SUNW_PATCHID='147440-12'
PSTAMP='on10-patch20120207154906'
PKGINST='SUNWdtrc'
PKGSAB=' /var/sadm/pkg/SUNWdtrc/save'
PKG_NO_UNIFIED='TRUE'
PATCHLIST='120900-04 118833-36 120011-14 127127-11 137137-09 139555-08
141444-09 142909-17 144500-19 146575-03 125095-15 138287-07 800111-04
800120-08 800151-15 800200-15 147440-12'
PATCH_INFO_120900-04='Installed: Tue Aug 23 11:22:23 PDT 2011 From:
fern-re Obsoletes: 121266-01 Requires: Incompatibles:'
PATCH_INFO_118833-36='Installed: Tue Aug 23 11:42:01 PDT 2011 From:
fern-re Obsoletes: 118822-30 118348-01 118868-01 120996-02 121298-01
119712-04 119852-03 119943-01 119984-03 120052-03 120196-02 121000-05
117170-01 117461-08 118370-04 118375-07 118852-07 118874-02 118911-01
118913-02 118927-02 118996-04 119216-02 119218-02 119374-13 119444-03
119557-09 119568-02 119569-02 119572-01 119596-03 119681-08 119687-02
119689-08 119715-10 119828-05 119939-01 119941-03 119992-02 119994-01
119996-01 120009-01 120030-03 120034-01 120054-02 120083-01 120251-02
120254-03 120258-02 120300-01 120362-02 120627-01 121237-01 121266-01
121268-01 121276-03 121280-01 121301-02 121777-01 121784-01 121788-02
121790-01 121792-01 121794-02 121796-01 121798-01 121800-01 121802-01
121804-01 121806-01 121808-01 121810-01 121812-01 121814-01 121816-01
121818-01 121820-01 121822-01 121824-01 121826-01 121832-01 121834-01
121836-01 121838-01 121840-01 121842-01 121844-01 121846-01 121848-01
121850-01 121852-01 121854-01 121894-01 122079-01 122081-01 122176-01
122235-01 122237-02 122241-01 122242-01 122243-01 122294-01 122296-01
122298-01 122302-01 122304-01 122306-01 122314-01 122316-01 122318-01
122320-01 122322-01 122324-01 122334-01 122336-01 122338-01 122339-01
122342-01 122344-01 122346-01 122348-01 122350-01 122644-01 120661-04
121694-01 118346-05 118812-03 118857-01 118920-02 119562-01 119571-01
119587-01 120467-05 121782-01 123950-02 118915-01 119560-02 119561-03
119333-01 119582-04 122333-01 122364-01 122366-01 122368-01 122370-01
122372-01 122374-01 122378-01 122380-01 122382-01 122384-01 122386-01
122392-01 119850-22 119982-05 120036-07 120253-03 120664-01 120844-01
121236-02 121693-03 122027-08 122215-01 122253-01 122388-01 122406-01
122523-03 122539-06 122650-02 122750-01 123302-01 123320-01 123352-05
123524-01 122394-01 122519-01 122652-04 123336-01 120198-05 121302-01
122195-03 122648-02 122856-03 123066-01 123304-02 123442-02 123522-01
123914-02 123952-01 124282-01 118548-01 118550-04 119719-01 119205-03
119207-02 119564-01 119215-02 119334-02 119566-01 119831-01 119682-02
118859-01 118992-03 119858-02 120197-01 118850-03 119589-03 118551-03
118835-04 118846-02 118923-04 119075-14 119577-01 119683-02 119832-02
119945-02 119951-01 119949-02 119983-01 119990-01 120017-02 120302-01
120304-05 119947-02 120066-01 118553-04 119591-03 119979-01 120537-05

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120013-02 120471-02 124206-02 118870-02 123348-04 122410-01 Requires:
118918-13 119254-14 119042-09 119578-30 Incompatibles:'
PATCH_INFO_120011-14='Installed: Tue Aug 23 11:48:22 PDT 2011 From:
fern-re Obsoletes: 116781-02 117447-01 117463-05 118371-10 118373-01
118564-03 118731-01 118879-02 118890-03 118925-05 118929-05 119012-03
119073-03 119077-10 119265-02 119332-01 119336-01 119573-02 119580-05
119586-02 119593-01 119685-11 119824-02 119826-02 119981-09 119985-02
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120629-08 120780-04 120809-01 120824-09 120845-05 120990-02 120998-02
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121284-02 121288-03 121292-01 121294-01 121406-01 121473-01 121474-01
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122662-05 122752-04 123017-01 123249-02 123256-02 123324-03 123330-01
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126310-01 126320-01 126429-01 126536-01 126663-01 126838-01 Requires:
118833-36 118918-24 119042-09 119254-42 119574-02 119578-30 120272-12
120900-04 121133-02 121901-01 122640-05 125369-05 125503-02 125547-01
126419-01 126897-02 Incompatibles:'
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121944-03 122363-02 122537-02 123360-01 123398-02 123564-01 123712-01
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125251-02 125253-01 125367-03 125380-02 125382-01 125418-01 125482-03
125484-04 125490-02 125501-01 125553-03 125890-03 125899-01 125917-03
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126670-01 126672-02 126916-01 127111-11 127716-01 127718-05 127728-06
127730-04 127732-01 127741-01 127745-01 127747-01 127749-03 127750-01
127753-02 127757-01 127761-01 127855-02 127858-01 127862-01 127874-01
127880-02 127918-02 127966-01 127982-01 127984-02 127990-02 127992-01
128002-01 128028-03 128030-03 128314-01 128404-01 128500-01 136718-01
136887-01 137044-01 137082-01 137113-01 Requires: 118731-01 118833-36
118918-24 119042-09 119254-51 119578-30 120011-14 120900-04 121133-02
121901-01 125891-01 126540-02 126897-02 127755-01 Incompatibles:'
PATCH_INFO_137137-09='Installed: Tue Aug 23 11:50:32 PDT 2011 From:
fern-re Obsoletes: 120741-01 120986-12 120992-02 121008-02 121274-01
121414-01 122029-01 122083-02 122172-06 122174-03 122356-01 122358-01
122517-04 122525-03 123186-03 123809-02 123932-02 124999-01 125416-06
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138379-01 138390-02 138394-01 138401-01 138899-01 Requires: 118731-01
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140794-01 140855-01 141006-01 141008-01 Requires: 125555-02 118731-01
118833-36 118918-24 119042-09 119254-41 119578-30 120011-14 120900-04
121133-02 126897-02 127127-11 127755-01 137137-09 138217-01 140796-01
140899-01 141016-01 Incompatibles: '
PATCH_INFO_141444-09='Installed: Tue Aug 23 11:52:07 PDT 2011 From:
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139977-07 139982-04 139985-02 139991-03 139993-03 139996-02 140150-01
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141694-02 141715-03 141721-03 141729-01 141731-01 141733-04 141736-05
141742-04 141743-04 141767-01 141770-01 141771-01 141775-01 141777-01
141781-02 141892-01 141894-01 141902-02 141908-01 141918-01 141920-03
141934-01 142004-01 142013-01 142051-01 142056-02 142246-01 142284-01
142479-01 142483-01 142489-01 Requires: 118833-36 118918-24 119042-09
119254-41 119578-30 120011-14 120900-04 121133-02 121901-01 121921-02
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142292-01 Incompatibles: '
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140557-01 140559-01 140562-02 140681-02 140788-01 140917-02 141012-01
141022-02 141026-14 141030-10 141034-02 141054-01 141536-01 141542-01
141544-01 141550-02 141562-02 141723-02 141740-01 141773-01 141780-01
141899-03 141906-01 141914-02 141922-02 142005-01 142055-03 142236-02
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142290-01 142330-01 142346-02 142390-03 142436-08 142481-01 142528-01
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143556-04 143558-01 143565-01 143569-04 143574-01 143576-03 143583-02
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145103-01 Requires: 118731-01 118833-36 118918-24 119042-09 119578-30
120011-14 120900-04 121133-02 121901-01 126540-02 126897-02 127127-11
127755-01 137137-09 139555-08 141444-09 142911-01 142933-02
Incompatibles: '
PATCH_INFO_144500-19='Installed: Tue Aug 23 11:55:31 PDT 2011 From:
fern-re Obsoletes: 118735-02 118842-01 120044-01 120061-02 120085-02
120994-01 121559-01 122183-03 122408-01 123319-01 123908-02 124237-01
125167-01 125171-02 125414-01 125549-01 126258-03 126260-02 126319-01
126655-02 126896-01 127737-02 127998-01 128000-01 128326-01 136889-01
136892-01 138079-01 138085-01 138087-01 138089-01 138128-01 138239-01
138261-03 138291-01 138293-01 138320-02 138371-06 138373-02 138377-01
138383-01 138387-01 138634-01 138880-02 139478-01 139485-02 139959-04
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140784-01 140921-02 141010-01 141020-03 141024-01 141052-02 141500-08
141502-02 141506-10 141508-02 141534-01 141686-01 141738-01 142046-04
142238-02 142342-01 142542-01 143140-04 143559-10 143561-10 143571-02
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144302-01 144311-03 144313-01 144315-01 144367-02 144382-01 144384-02
144459-01 144488-17 144490-01 144508-02 144521-01 144530-01 144532-01
144536-02 144542-06 144548-01 144550-01 144552-01 144554-01 144561-02
144563-02 144565-05 144567-02 144571-02 144573-01 144574-06 144748-02
144754-01 144759-02 144874-01 144903-02 145021-01 145042-03 145046-01
145047-01 145107-02 145124-02 145788-03 145792-01 145794-01 145796-02
145798-08 145868-05 145870-01 145885-01 145887-01 145889-03 145893-02
145895-05 145897-01 145901-01 145907-02 145913-01 145915-01 145927-02
145933-02 145939-01 145941-02 145944-01 145961-02 145963-01 146017-04
146018-03 146019-02 146021-02 146023-01 146028-05 146030-01 146058-02
146062-02 146064-01 146066-02 146069-04 146070-01 146073-01 146132-01
146230-01 146277-01 146287-01 146327-01 146328-02 146336-03 146440-01
146442-01 146443-01 146447-02 146449-01 146478-01 146482-01 146484-01
146570-02 146584-01 146677-01 146701-01 146778-02 146802-03 146804-01
146842-01 146846-01 146855-01 146857-01 147053-01 147182-01 Requires:
118833-36 118918-24 119042-09 119254-41 119578-30 120011-14 121901-01

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125891-01 126897-02 127127-11 127755-01 137137-09 139555-08 141444-09
142909-17 142933-03 144526-01 147061-01 Incompatibles:'
PATCH_INFO_146575-03='Installed: Tue Aug 23 11:58:14 PDT 2011 From:
fern-re Obsoletes: 141590-02 141765-01 143941-02 Requires: 118833-36
120011-14 127127-11 137137-09 139555-08 141444-09 142909-17
Incompatibles:'
PATCH_INFO_125095-15='Installed: Tue Aug 23 12:41:10 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_138287-07='Installed: Tue Aug 23 12:56:34 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800111-04='Installed: Tue Aug 23 13:12:48 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800120-08='Installed: Tue Aug 23 13:29:31 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800151-15='Installed: Tue Aug 23 13:48:39 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800200-15='Installed: Tue Aug 23 14:43:12 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
INSTDATE='Jun 13 2012 04:25'
UPDATE='yes'
PATCH_UNCONDITIONAL='false'
PATCH_NO_UNDO='true'
PATCH_BUILD_DIR='none'
PATCH_UNDO_ARCHIVE='none'
INTERRUPTION='no'
ACTIVE_OBSOLETEs='125804-01 125902-02 137276-01 140383-01 140563-03
141590-02 141765-01 143941-02 144534-02 146279-01 146281-01 146283-01
146294-03 146320-03 146322-01 146575-03 146767-02 147012-02 147157-02
147258-01 147268-01 147436-01 147699-01 147701-01 147713-01 147770-01
148229-01'
PATCH_INFO_147440-12='Installed: Wed Jun 13 04:25:10 UTC 2012 From: host
Obsoletes: 125804-01 125902-02 137276-01 140383-01 140563-03 141590-02
141765-01 143941-02 144534-02 146279-01 146281-01 146283-01 146294-03
146320-03 146322-01 146575-03 146767-02 147012-02 147157-02 147258-01
147268-01 147436-01 147699-01 147701-01 147713-01 147770-01 148229-01
Requires: 118833-36 120011-14 121133-02 125555-10 127127-11 137137-09
139555-08 141444-09 142909-17 142933-04 144500-19 Incompatibles:'
SCRIPTS_DIR='/tmp/patch_sol_set/10_Recommended/11282011/patches/147440-12/s
Exit status: 0
present.
Checking pkg SUNWzoneu...pkgparam -v SUNWzoneu 2>&1
CLASSES='none'
BASEDIR='/'
LANG=''
TZ='UTC'
PKG_CLIENT_OS='Solaris'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_REVISION='0'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
OAMBASE='/usr/sadm/sysadm'
PKG='SUNWzoneu'
NAME='Solaris Zones (Usr)'
ARCH='sparc'
VERSION='11.10.0,REV=2005.01.21.15.53'
SUNW_PRODNAME='SunOS'
SUNW_PRODVERS='5.10/Generic'

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SUNW_PKGTYPE='usr'
SUNW_OBSOLETE=' '
MAXINST='1000'
CATEGORY='system'
DESC='Solaris Zones Configuration and Administration'
VENDOR='Oracle Corporation'
HOTLINE='Please contact your local service provider'
EMAIL=' '
SUNW_PKGVERS='1.0'
SUNW_PKG_ALLZONES='true'
SUNW_PKG_HOLLOW='false'
SUNW_REQUIRES='118833-36 120011-14 121133-02 125555-10 127127-11
137137-09 139555-08 141444-09 142909-17 142933-04 144500-19'
SUNW_INCOMPAT=' '
SUNW_PATCHID='147440-12'
PSTAMP='on10-patch20120207154925'
PKGINST='SUNWzoneu'
PKGSAB=' /var/sadm/pkg/SUNWzoneu/save'
PKG_NO_UNIFIED='TRUE'
PATCHLIST='120900-04 121133-02 120011-14 127127-11 137137-09 139555-08
141444-09 142909-17 144569-01 145194-01 145911-03 146134-01 146334-01
146767-02 121778-12 123259-12 125095-15 138287-07 800111-04 800120-08
800151-15 800200-15 147440-12'
PATCH_INFO_120900-04='Installed: Tue Aug 23 11:22:24 PDT 2011 From:
fern-re Obsoletes: 121266-01 Requires: Incompatibles:'
PATCH_INFO_121133-02='Installed: Tue Aug 23 11:22:28 PDT 2011 From:
fern-re Obsoletes: 121333-03 Requires: 120900-04 Incompatibles:'
PATCH_INFO_120011-14='Installed: Tue Aug 23 11:49:04 PDT 2011 From:
fern-re Obsoletes: 116781-02 117447-01 117463-05 118371-10 118373-01
118564-03 118731-01 118879-02 118890-03 118925-05 118929-05 119012-03
119073-03 119077-10 119265-02 119332-01 119336-01 119573-02 119580-05
119586-02 119593-01 119685-11 119824-02 119826-02 119981-09 119985-02
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121006-02 121010-06 121215-01 121229-02 121235-01 121278-01 121282-02
121284-02 121288-03 121292-01 121294-01 121406-01 121473-01 121474-01
121476-01 121478-01 121786-01 121905-01 122251-01 122328-01 122404-01
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123350-01 123354-03 123356-02 123362-01 123418-02 123420-02 123422-03
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124208-01 124250-03 124254-04 124258-07 124280-01 124286-01 124327-04
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124993-01 124995-01 125009-01 125011-01 125014-03 125018-02 125020-01
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125077-03 125079-01 125100-10 125112-01 125114-01 125116-02 125118-01
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118833-36 118918-24 119042-09 119254-42 119574-02 119578-30 120272-12
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126419-01 126897-02 Incompatibles:'
PATCH_INFO_127127-11='Installed: Tue Aug 23 11:50:02 PDT 2011 From:
fern-re Obsoletes: 118557-09 118560-02 118562-14 118843-01 120046-01

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123836-01 123915-01 124235-03 124252-03 124256-06 125016-02 125037-06
125043-01 125081-16 125122-01 125131-01 125169-01 125196-05 125202-01
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126448-05 126450-01 126647-02 126664-01 126665-01 126666-01 126668-01
126670-01 126672-02 126916-01 127111-11 127716-01 127718-05 127728-06
127730-04 127732-01 127741-01 127745-01 127747-01 127749-03 127750-01
127753-02 127757-01 127761-01 127855-02 127858-01 127862-01 127874-01
127880-02 127918-02 127966-01 127982-01 127984-02 127990-02 127992-01
128002-01 128028-03 128030-03 128314-01 128404-01 128500-01 136718-01
136887-01 137044-01 137082-01 137113-01 Requires: 118731-01 118833-36
118918-24 119042-09 119254-51 119578-30 120011-14 120900-04 121133-02
121901-01 125891-01 126540-02 126897-02 127755-01 Incompatibles:'
PATCH_INFO_137137-09='Installed: Tue Aug 23 11:50:54 PDT 2011 From:
fern-re Obsoletes: 120741-01 120986-12 120992-02 121008-02 121274-01
121414-01 122029-01 122083-02 122172-06 122174-03 122356-01 122358-01
122517-04 122525-03 123186-03 123809-02 123932-02 124999-01 125416-06
126133-04 126145-01 126304-01 126653-01 126661-02 126674-01 127714-03
127735-02 127739-03 127866-05 127868-01 127886-06 127888-11 127892-06
127914-01 127959-02 127968-01 127970-01 128294-02 128400-05 128408-01
128410-01 128413-01 128493-01 128548-08 136885-04 137042-01 137045-01
137050-01 137086-01 137091-01 137099-01 137109-01 137111-08 137119-01
137127-01 137135-01 137139-01 137280-02 137287-01 138042-05 138048-05
138050-01 138051-01 138052-01 138054-01 138056-02 138060-04 138064-03
138066-01 138068-01 138070-03 138072-02 138074-01 138075-02 138108-01
138125-01 138127-01 138225-02 138229-02 138233-01 138237-01 138243-02
138249-01 138251-01 138257-01 138259-01 138265-01 138271-04 138273-01
138277-01 138279-01 138280-01 138284-04 138305-01 138306-01 138308-02
138310-01 138312-01 138314-01 138315-01 138316-01 138363-01 138365-01
138379-01 138390-02 138394-01 138401-01 138899-01 Requires: 118731-01
118822-24 118833-36 118918-24 119254-58 119374-09 119578-30 120011-14
120900-04 121133-02 125503-02 126897-02 127127-11 127755-01 138866-01
Incompatibles:'
PATCH_INFO_139555-08='Installed: Tue Aug 23 11:51:37 PDT 2011 From:
fern-re Obsoletes: 120062-01 121130-01 125551-02 126264-01 127743-02
127853-02 128253-01 128296-01 128318-01 128322-01 128340-01 128406-01
137095-01 137106-01 137278-01 138058-01 138106-02 138114-01 138231-01
138241-05 138397-01 138639-01 138850-01 138864-01 138878-01 138888-08
139385-02 139458-01 139459-01 139466-04 139483-05 139489-03 139492-01
139494-01 139498-04 139500-04 139502-03 139506-01 139551-01 139558-03
139560-02 139562-02 139566-01 139570-05 139571-01 139572-02 139574-03
139579-04 139931-01 139936-01 139938-01 139939-01 139942-01 139947-01
139951-01 139952-01 139960-02 139965-01 139994-01 140000-04 140076-02
140077-01 140142-01 140173-01 140194-04 140196-01 140197-01 140334-01
140389-01 140402-01 140411-01 140677-01 140679-01 140774-03 140776-01
140794-01 140855-01 141006-01 141008-01 Requires: 125555-02 118731-01
118833-36 118918-24 119042-09 119254-41 119578-30 120011-14 120900-04
121133-02 126897-02 127127-11 127755-01 137137-09 138217-01 140796-01
140899-01 141016-01 Incompatibles:'
PATCH_INFO_141444-09='Installed: Tue Aug 23 11:52:32 PDT 2011 From:
fern-re Obsoletes: 119143-02 120807-01 122754-01 123402-01 124924-01
125915-01 126266-01 126421-02 128004-01 128304-04 128306-05 128328-01
128334-01 128491-01 137021-03 137121-06 137129-06 137141-01 137289-02

137292-01 138044-02 138083-01 138104-01 138130-01 138174-04 138255-03
138269-02 138392-01 138625-02 138629-01 139386-02 139462-02 139464-01
139490-01 139881-01 139928-03 139956-01 139964-03 139973-01 139974-03
139977-07 139982-04 139985-02 139991-03 139993-03 139996-02 140150-01
140338-01 140408-01 140589-02 140916-02 140919-04 141028-01 141057-01
141414-10 141494-01 141510-03 141520-01 141524-03 141530-01 141538-01
141540-01 141546-01 141554-01 141556-01 141560-02 141690-02 141692-01
141694-02 141715-03 141721-03 141729-01 141731-01 141733-04 141736-05
141742-04 141743-04 141767-01 141770-01 141771-01 141775-01 141777-01
141781-02 141892-01 141894-01 141902-02 141908-01 141918-01 141920-03
141934-01 142004-01 142013-01 142051-01 142056-02 142246-01 142284-01
142479-01 142483-01 142489-01 Requires: 118833-36 118918-24 119042-09
119254-41 119578-30 120011-14 120900-04 121133-02 121901-01 121921-02
125503-02 126540-02 126897-02 127127-11 127755-01 137137-09 139555-08
142292-01 Incompatibles:'
PATCH_INFO_142909-17='Installed: Tue Aug 23 11:54:27 PDT 2011 From:
fern-re Obsoletes: 118814-01 120038-01 120816-01 121128-01 121394-03
122085-01 123194-01 123271-01 123332-02 123334-05 125022-01 125108-02
125174-02 125200-01 125201-01 125808-01 125896-03 126308-01 126428-01
127723-01 127759-03 127762-01 127882-03 128032-01 128324-02 128346-01
136891-02 137017-03 137028-01 137123-03 137133-01 137291-01 138046-02
138081-01 138098-01 138112-01 138116-01 138118-01 138120-01 138157-01
138169-01 138223-03 138263-03 138283-05 138318-03 138324-03 138375-01
138381-01 138411-01 138627-07 138644-01 138764-02 138848-02 138858-01
138870-01 138872-02 138874-05 139390-01 139468-01 139487-01 139503-01
139504-01 139508-01 139509-02 139514-01 139553-01 139568-01 139935-01
139941-01 139943-01 139945-03 139946-01 139948-01 139949-01 139958-01
139970-01 139971-01 139975-03 139983-04 140003-03 140078-01 140144-01
140146-01 140151-02 140157-03 140165-01 140167-01 140169-01 140175-01
140192-01 140386-04 140391-03 140395-01 140397-11 140401-01 140413-01
140557-01 140559-01 140562-02 140681-02 140788-01 140917-02 141012-01
141022-02 141026-14 141030-10 141034-02 141054-01 141536-01 141542-01
141544-01 141550-02 141562-02 141723-02 141740-01 141773-01 141780-01
141899-03 141906-01 141914-02 141922-02 142005-01 142055-03 142236-02
142242-05 142245-02 142247-01 142249-01 142257-05 142259-07 142263-01
142290-01 142330-01 142346-02 142390-03 142436-08 142481-01 142528-01
142539-01 142541-01 142675-01 142900-15 143051-01 143052-02 143054-01
143117-01 143119-02 143120-03 143122-02 143125-02 143128-05 143131-08
143135-03 143137-04 143350-05 143352-01 143354-03 143356-01 143357-05
143359-02 143360-01 143515-01 143519-01 143521-02 143523-04 143528-01
143556-04 143558-01 143565-01 143569-04 143574-01 143576-03 143583-02
143585-01 143586-02 143590-01 143595-01 143597-02 143603-01 143605-01
143607-01 143611-01 143613-01 143623-01 143895-01 143897-03 143899-01
143903-01 143905-01 143907-01 143909-06 143911-01 143920-02 143927-02
143933-01 143935-01 143943-01 144015-01 144017-01 144019-01 144021-01
144023-01 144043-01 144045-02 144049-01 144051-03 144056-01 144110-01
144182-01 144258-01 144369-01 144373-01 144389-01 144453-01 144494-01
144511-01 144624-01 144761-01 145024-01 145049-01 145051-01 145102-01
145103-01 Requires: 118731-01 118833-36 118918-24 119042-09 119578-30
120011-14 120900-04 121133-02 121901-01 126540-02 126897-02 127127-11
127755-01 137137-09 139555-08 141444-09 142911-01 142933-02
Incompatibles:'
PATCH_INFO_144569-01='Installed: Tue Aug 23 11:56:20 PDT 2011 From:
fern-re Obsoletes: Requires: 118731-01 120011-14 127127-11 137137-09
139555-08 142909-17 Incompatibles:'
PATCH_INFO_145194-01='Installed: Tue Aug 23 11:56:46 PDT 2011 From:

```

fern-re Obsoletes: Requires: 137137-09 139555-08 Incompatibles:'
PATCH_INFO_145911-03='Installed: Tue Aug 23 11:57:14 PDT 2011 From:
fern-re Obsoletes: 144556-03 Requires: 120011-14 120900-04 121133-02
127127-11 137137-09 139555-08 141444-09 142909-17 Incompatibles:'
PATCH_INFO_146134-01='Installed: Tue Aug 23 11:57:47 PDT 2011 From:
fern-re Obsoletes: Requires: 142909-17 Incompatibles:'
PATCH_INFO_146334-01='Installed: Tue Aug 23 11:58:02 PDT 2011 From:
fern-re Obsoletes: Requires: 120011-14 121133-02 127127-11 139555-08
142909-17 Incompatibles:'
PATCH_INFO_146767-02='Installed: Tue Aug 23 11:58:38 PDT 2011 From:
fern-re Obsoletes: Requires: 120011-14 121133-02 127127-11 137137-09
139555-08 141444-09 142909-17 Incompatibles:'
PATCH_INFO_121778-12='Installed: Tue Aug 23 12:36:25 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_123259-12='Installed: Tue Aug 23 12:37:37 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_125095-15='Installed: Tue Aug 23 12:51:33 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_138287-07='Installed: Tue Aug 23 13:07:27 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800111-04='Installed: Tue Aug 23 13:25:01 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800120-08='Installed: Tue Aug 23 13:43:16 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800151-15='Installed: Tue Aug 23 14:02:36 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800200-15='Installed: Tue Aug 23 14:57:41 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
INSTDATE='Jun 13 2012 04:25'
UPDATE='yes'
PATCH_UNCONDITIONAL='false'
PATCH_NO_UNDO='true'
PATCH_BUILD_DIR='none'
PATCH_UNDO_ARCHIVE='none'
INTERRUPTION='no'
ACTIVE_OBSOLETES='125804-01 125902-02 137276-01 140383-01 140563-03
141590-02 141765-01 143941-02 144534-02 146279-01 146281-01 146283-01
146294-03 146320-03 146322-01 146575-03 146767-02 147012-02 147157-02
147258-01 147268-01 147436-01 147699-01 147701-01 147713-01 147770-01
148229-01'
PATCH_INFO_147440-12='Installed: Wed Jun 13 04:25:43 UTC 2012 From: host
Obsoletes: 125804-01 125902-02 137276-01 140383-01 140563-03 141590-02
141765-01 143941-02 144534-02 146279-01 146281-01 146283-01 146294-03
146320-03 146322-01 146575-03 146767-02 147012-02 147157-02 147258-01
147268-01 147436-01 147699-01 147701-01 147713-01 147770-01 148229-01
Requires: 118833-36 120011-14 121133-02 125555-10 127127-11 137137-09
139555-08 141444-09 142909-17 142933-04 144500-19 Incompatibles:'
SCRIPTS_DIR='/tmp/patch_sol_set/10_Recommended/11282011/patches/147440-12/'
Exit status: 0
present.
PATCHUTILS Unknown is already present.
Checking BZIP 11.10 ...
Checking pkg SUNWbzip...pkgparam -v SUNWbzip 2>&1
CLASSES='none'
BASEDIR='/'
LANG=''

```

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TZ='UTC'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
OAMBASE='/usr/sadm/sysadm'
ARCH='sparc'
CATEGORY='system'
DESC='The bzip compression utility'
EMAIL=''
HOTLINE='Please contact your local service provider'
MAXINST='1000'
NAME='The bzip compression utility'
PKG='SUNWbzip'
SUNW_PKGTYPE='usr'
SUNW_PKGVERS='1.0'
SUNW_PRODNAME='SunOS'
SUNW_PRODVERS='5.10/SunOS Development'
VERSION='11.10.0, REV=2005.01.08.05.16'
PSTAMP='sfw10-patch20110415085252'
VENDOR='Oracle Corporation'
PATCHLIST='126868-04 137321-01 120272-31 128355-09 138423-06 138892-02
800102-01 800156-06 800198-06'
PATCH_INFO_126868-04='Installed: Tue Aug 23 11:29:47 PDT 2011 From:
fern-re Obsoletes: 127784-01 Requires: Incompatibles:'
PATCH_INFO_137321-01='Installed: Tue Aug 23 11:30:29 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_120272-31='Installed: Tue Aug 23 11:43:21 PDT 2011 From:
fern-re Obsoletes: Requires: 119042-09 121901-01 122539-05
Incompatibles:'
PATCH_INFO_128355-09='Installed: Tue Aug 23 12:52:51 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_138423-06='Installed: Tue Aug 23 13:07:40 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_138892-02='Installed: Tue Aug 23 13:08:10 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800102-01='Installed: Tue Aug 23 13:08:47 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800156-06='Installed: Tue Aug 23 14:03:31 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800198-06='Installed: Tue Aug 23 14:34:37 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PKGINST='SUNWbzip'
PKGSAB='/var/sadm/pkg/SUNWbzip/save'
INSTDATE='Jun 13 2012 03:51'
-- Exit status: 0
present.
BZIP 11.10 is already present.
Checking RECOMMENDED 2013.02.19 ...
Checking pkg SUNWckr...pkgparam -v SUNWckr 2>&1
CLASSES='none etcsystem kcfconfbase manifest preserve renameold
scsivhconf sdconf renamenew'
BASEDIR='/'
LANG=''
TZ='UTC'
PKG_CLIENT_OS='Solaris'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_REVISION='0'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'

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OAMBASE='/usr/sadm/sysadm'
PKG='SUNWckr'
NAME='Core Solaris Kernel (Root)'
ARCH='sparc'
VERSION='11.10.0,REV=2005.01.21.15.53'
SUNW_PRODNAME='SunOS'
SUNW_PRODVERS='5.10/Generic'
SUNW_PKGTYPE='root'
SUNW_OBSOLETES=''
MAXINST='1000'
CATEGORY='system'
DESC='core kernel software for a specific instruction-set architecture'
VENDOR='Oracle Corporation'
HOTLINE='Please contact your local service provider'
EMAIL=''
SUNW_PKGVERS='1.0'
SUNW_PKG_ALLZONES='true'
SUNW_PKG_HOLLOW='true'
SUNW_REQUIRES='118833-36 120011-14 121133-02 125555-10 127127-11
137137-09 139555-08 141444-09 142909-17 142933-04 144500-19'
SUNW_INCOMPAT=''
SUNW_PATCHID='147440-12'
PSTAMP='on10-patch20120207154901'
PKGINST='SUNWckr'
PKGSABV='/var/sadm/pkg/SUNWckr/save'
PKG_NO_UNIFIED='TRUE'
PATCHLIST='118918-24 119578-30 120311-02 138217-01 118833-36 121337-01
128310-01 146320-03 120011-14 127127-11 128332-01 137032-01 137137-09
137282-01 139555-08 141444-09 142332-03 142394-01 142909-17 144500-19
144534-02 145204-01 145919-02 145940-01 146060-01 146236-02 146283-01
146652-01 146834-01 147192-01 147440-01 121778-12 121780-12 123259-12
125095-15 125888-01 138287-07 138289-07 800111-04 800113-04 800120-08
800122-08 800151-15 800153-15 800200-15 800202-16 144524-02 147159-03
147440-12'
PATCH_INFO_118918-24='Installed: Tue Aug 23 11:14:21 PDT 2011 From:
fern-re Obsoletes: 116781-02 119012-03 121282-02 121284-02 121292-01
121473-01 121476-01 121478-01 121786-01 123444-01 Requires:
Incompatibles:'
PATCH_INFO_119578-30='Installed: Tue Aug 23 11:16:41 PDT 2011 From:
fern-re Obsoletes: 119330-01 119331-01 119559-01 119576-01 120635-02
122396-01 Requires: Incompatibles:'
PATCH_INFO_120311-02='Installed: Tue Aug 23 11:21:37 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:'
PATCH_INFO_138217-01='Installed: Tue Aug 23 11:38:52 PDT 2011 From:
fern-re Obsoletes: 119042-11 Requires: 119254-51 Incompatibles:'
PATCH_INFO_118833-36='Installed: Tue Aug 23 11:41:54 PDT 2011 From:
fern-re Obsoletes: 118822-30 118348-01 118868-01 120996-02 121298-01
119712-04 119852-03 119943-01 119984-03 120052-03 120196-02 121000-05
117170-01 117461-08 118370-04 118375-07 118852-07 118874-02 118911-01
118913-02 118927-02 118996-04 119216-02 119218-02 119374-13 119444-03
119557-09 119568-02 119569-02 119572-01 119596-03 119681-08 119687-02
119689-08 119715-10 119828-05 119939-01 119941-03 119992-02 119994-01
119996-01 120009-01 120030-03 120034-01 120054-02 120083-01 120251-02
120254-03 120258-02 120300-01 120362-02 120627-01 121237-01 121266-01
121268-01 121276-03 121280-01 121301-02 121777-01 121784-01 121788-02
121790-01 121792-01 121794-02 121796-01 121798-01 121800-01 121802-01

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121804-01 121806-01 121808-01 121810-01 121812-01 121814-01 121816-01
 121818-01 121820-01 121822-01 121824-01 121826-01 121832-01 121834-01
 121836-01 121838-01 121840-01 121842-01 121844-01 121846-01 121848-01
 121850-01 121852-01 121854-01 121894-01 122079-01 122081-01 122176-01
 122235-01 122237-02 122241-01 122242-01 122243-01 122294-01 122296-01
 122298-01 122302-01 122304-01 122306-01 122314-01 122316-01 122318-01
 122320-01 122322-01 122324-01 122334-01 122336-01 122338-01 122339-01
 122342-01 122344-01 122346-01 122348-01 122350-01 122644-01 120661-04
 121694-01 118346-05 118812-03 118857-01 118920-02 119562-01 119571-01
 119587-01 120467-05 121782-01 123950-02 118915-01 119560-02 119561-03
 119333-01 119582-04 122333-01 122364-01 122366-01 122368-01 122370-01
 122372-01 122374-01 122378-01 122380-01 122382-01 122384-01 122386-01
 122392-01 119850-22 119982-05 120036-07 120253-03 120664-01 120844-01
 121236-02 121693-03 122027-08 122215-01 122253-01 122388-01 122406-01
 122523-03 122539-06 122650-02 122750-01 123302-01 123320-01 123352-05
 123524-01 122394-01 122519-01 122652-04 123336-01 120198-05 121302-01
 122195-03 122648-02 122856-03 123066-01 123304-02 123442-02 123522-01
 123914-02 123952-01 124282-01 118548-01 118550-04 119719-01 119205-03
 119207-02 119564-01 119215-02 119334-02 119566-01 119831-01 119682-02
 118859-01 118992-03 119858-02 120197-01 118850-03 119589-03 118551-03
 118835-04 118846-02 118923-04 119075-14 119577-01 119683-02 119832-02
 119945-02 119951-01 119949-02 119983-01 119990-01 120017-02 120302-01
 120304-05 119947-02 120066-01 118553-04 119591-03 119979-01 120537-05
 120013-02 120471-02 124206-02 118870-02 123348-04 122410-01 Requires:
 118918-13 119254-14 119042-09 119578-30 Incompatibles:'
 PATCH_INFO_121337-01='Installed: Tue Aug 23 11:44:44 PDT 2011 From:
 fern-re Obsoletes: Requires: 118822-23 Incompatibles:'
 PATCH_INFO_128310-01='Installed: Tue Aug 23 11:45:32 PDT 2011 From:
 fern-re Obsoletes: 128258-01 Requires: 118833-36 Incompatibles:'
 PATCH_INFO_146320-03='Installed: Tue Aug 23 11:46:09 PDT 2011 From:
 fern-re Obsoletes: 140383-01 140563-03 146281-01 Requires: 118833-36
 Incompatibles:'
 PATCH_INFO_120011-14='Installed: Tue Aug 23 11:48:15 PDT 2011 From:
 fern-re Obsoletes: 116781-02 117447-01 117463-05 118371-10 118373-01
 118564-03 118731-01 118879-02 118890-03 118925-05 118929-05 119012-03
 119073-03 119077-10 119265-02 119332-01 119336-01 119573-02 119580-05
 119586-02 119593-01 119685-11 119824-02 119826-02 119981-09 119985-02
 119998-02 120023-01 120032-04 120048-03 120050-06 120469-07 120473-12
 120629-08 120780-04 120809-01 120824-09 120845-05 120990-02 120998-02
 121006-02 121010-06 121215-01 121229-02 121235-01 121278-01 121282-02
 121284-02 121288-03 121292-01 121294-01 121406-01 121473-01 121474-01
 121476-01 121478-01 121786-01 121905-01 122251-01 122328-01 122404-01
 122412-01 122513-02 122535-01 122637-01 122646-02 122658-04 122660-10
 122662-05 122752-04 123017-01 123249-02 123256-02 123324-03 123330-01
 123350-01 123354-03 123356-02 123362-01 123418-02 123420-02 123422-03
 123441-05 123444-01 123910-03 123911-01 123916-05 123954-01 124204-04
 124208-01 124250-03 124254-04 124258-07 124280-01 124286-01 124327-04
 124442-01 124916-03 124918-02 124921-02 124922-03 124987-02 124990-01
 124993-01 124995-01 125009-01 125011-01 125014-03 125018-02 125020-01
 125024-01 125026-01 125028-03 125035-01 125040-01 125042-02 125073-01
 125077-03 125079-01 125100-10 125112-01 125114-01 125116-02 125118-01
 125120-03 125123-01 125127-01 125129-01 125198-02 125203-01 125329-03
 125363-06 125371-01 125383-01 125385-02 125420-01 125422-01 125424-01
 125427-01 125430-01 125432-01 125465-02 125478-01 125486-01 125488-02
 125492-01 125494-02 125497-01 125792-01 125795-01 126255-01 126303-02
 126310-01 126320-01 126429-01 126536-01 126663-01 126838-01 Requires:

118833-36 118918-24 119042-09 119254-42 119574-02 119578-30 120272-12
 120900-04 121133-02 121901-01 122640-05 125369-05 125503-02 125547-01
 126419-01 126897-02 Incompatibles:'
 PATCH_INFO_127127-11='Installed: Tue Aug 23 11:49:34 PDT 2011 From:
 fern-re Obsoletes: 118557-09 118560-02 118562-14 118843-01 120046-01
 120068-03 120737-01 121132-03 121233-01 121239-02 121290-03 121721-01
 121944-03 122363-02 122537-02 123360-01 123398-02 123564-01 123712-01
 123836-01 123915-01 124235-03 124252-03 124256-06 125016-02 125037-06
 125043-01 125081-16 125122-01 125131-01 125169-01 125196-05 125202-01
 125251-02 125253-01 125367-03 125380-02 125382-01 125418-01 125482-03
 125484-04 125490-02 125501-01 125553-03 125890-03 125899-01 125917-03
 126135-01 126143-01 126144-02 126322-01 126423-03 126432-01 126434-06
 126448-05 126450-01 126647-02 126664-01 126665-01 126666-01 126668-01
 126670-01 126672-02 126916-01 127111-11 127716-01 127718-05 127728-06
 127730-04 127732-01 127741-01 127745-01 127747-01 127749-03 127750-01
 127753-02 127757-01 127761-01 127855-02 127858-01 127862-01 127874-01
 127880-02 127918-02 127966-01 127982-01 127984-02 127990-02 127992-01
 128002-01 128028-03 128030-03 128314-01 128404-01 128500-01 136718-01
 136887-01 137044-01 137082-01 137113-01 Requires: 118731-01 118833-36
 118918-24 119042-09 119254-51 119578-30 120011-14 120900-04 121133-02
 121901-01 125891-01 126540-02 126897-02 127755-01 Incompatibles:'
 PATCH_INFO_128332-01='Installed: Tue Aug 23 11:50:06 PDT 2011 From:
 fern-re Obsoletes: 128495-01 Requires: 118833-36 120011-14
 Incompatibles:'
 PATCH_INFO_137032-01='Installed: Tue Aug 23 11:50:11 PDT 2011 From:
 fern-re Obsoletes: 136716-01 Requires: 118833-36 120011-14
 Incompatibles:'
 PATCH_INFO_137137-09='Installed: Tue Aug 23 11:50:29 PDT 2011 From:
 fern-re Obsoletes: 120741-01 120986-12 120992-02 121008-02 121274-01
 121414-01 122029-01 122083-02 122172-06 122174-03 122356-01 122358-01
 122517-04 122525-03 123186-03 123809-02 123932-02 124999-01 125416-06
 126133-04 126145-01 126304-01 126653-01 126661-02 126674-01 127714-03
 127735-02 127739-03 127866-05 127868-01 127886-06 127888-11 127892-06
 127914-01 127959-02 127968-01 127970-01 128294-02 128400-05 128408-01
 128410-01 128413-01 128493-01 128548-08 136885-04 137042-01 137045-01
 137050-01 137086-01 137091-01 137099-01 137109-01 137111-08 137119-01
 137127-01 137135-01 137139-01 137280-02 137287-01 138042-05 138048-05
 138050-01 138051-01 138052-01 138054-01 138056-02 138060-04 138064-03
 138066-01 138068-01 138070-03 138072-02 138074-01 138075-02 138108-01
 138125-01 138127-01 138225-02 138229-02 138233-01 138237-01 138243-02
 138249-01 138251-01 138257-01 138259-01 138265-01 138271-04 138273-01
 138277-01 138279-01 138280-01 138284-04 138305-01 138306-01 138308-02
 138310-01 138312-01 138314-01 138315-01 138316-01 138363-01 138365-01
 138379-01 138390-02 138394-01 138401-01 138899-01 Requires: 118731-01
 118822-24 118833-36 118918-24 119254-58 119374-09 119578-30 120011-14
 120900-04 121133-02 125503-02 126897-02 127127-11 127755-01 138866-01
 Incompatibles:'
 PATCH_INFO_137282-01='Installed: Tue Aug 23 11:50:56 PDT 2011 From:
 fern-re Obsoletes: Requires: 118833-36 120011-14 Incompatibles:'
 PATCH_INFO_139555-08='Installed: Tue Aug 23 11:51:15 PDT 2011 From:
 fern-re Obsoletes: 120062-01 121130-01 125551-02 126264-01 127743-02
 127853-02 128253-01 128296-01 128318-01 128322-01 128340-01 128406-01
 137095-01 137106-01 137278-01 138058-01 138106-02 138114-01 138231-01
 138241-05 138397-01 138639-01 138850-01 138864-01 138878-01 138888-08
 139385-02 139458-01 139459-01 139466-04 139483-05 139489-03 139492-01
 139494-01 139498-04 139500-04 139502-03 139506-01 139551-01 139558-03

139560-02 139562-02 139566-01 139570-05 139571-01 139572-02 139574-03
 139579-04 139931-01 139936-01 139938-01 139939-01 139942-01 139947-01
 139951-01 139952-01 139960-02 139965-01 139994-01 140000-04 140076-02
 140077-01 140142-01 140173-01 140194-04 140196-01 140197-01 140334-01
 140389-01 140402-01 140411-01 140677-01 140679-01 140774-03 140776-01
 140794-01 140855-01 141006-01 141008-01 Requires: 125555-02 118731-01
 118833-36 118918-24 119042-09 119254-41 119578-30 120011-14 120900-04
 121133-02 126897-02 127127-11 127755-01 137137-09 138217-01 140796-01
 140899-01 141016-01 Incompatibles:'
 PATCH_INFO_141444-09='Installed: Tue Aug 23 11:52:04 PDT 2011 From:
 fern-re Obsoletes: 119143-02 120807-01 122754-01 123402-01 124924-01
 125915-01 126266-01 126421-02 128004-01 128304-04 128306-05 128328-01
 128334-01 128491-01 137021-03 137121-06 137129-06 137141-01 137289-02
 137292-01 138044-02 138083-01 138104-01 138130-01 138174-04 138255-03
 138269-02 138392-01 138625-02 138629-01 139386-02 139462-02 139464-01
 139490-01 139881-01 139928-03 139956-01 139964-03 139973-01 139974-03
 139977-07 139982-04 139985-02 139991-03 139993-03 139996-02 140150-01
 140338-01 140408-01 140589-02 140916-02 140919-04 141028-01 141057-01
 141414-10 141494-01 141510-03 141520-01 141524-03 141530-01 141538-01
 141540-01 141546-01 141554-01 141556-01 141560-02 141690-02 141692-01
 141694-02 141715-03 141721-03 141729-01 141731-01 141733-04 141736-05
 141742-04 141743-04 141767-01 141770-01 141771-01 141775-01 141777-01
 141781-02 141892-01 141894-01 141902-02 141908-01 141918-01 141920-03
 141934-01 142004-01 142013-01 142051-01 142056-02 142246-01 142284-01
 142479-01 142483-01 142489-01 Requires: 118833-36 118918-24 119042-09
 119254-41 119578-30 120011-14 120900-04 121133-02 121901-01 121921-02
 125503-02 126540-02 126897-02 127127-11 127755-01 137137-09 139555-08
 142292-01 Incompatibles:'
 PATCH_INFO_142332-03='Installed: Tue Aug 23 11:52:54 PDT 2011 From:
 fern-re Obsoletes: 142007-01 Requires: 120011-14 127127-11 137137-09
 139555-08 Incompatibles:'
 PATCH_INFO_142394-01='Installed: Tue Aug 23 11:53:03 PDT 2011 From:
 fern-re Obsoletes: 141059-01 Requires: 118833-36 120011-14 127127-11
 139555-08 Incompatibles:'
 PATCH_INFO_142909-17='Installed: Tue Aug 23 11:53:33 PDT 2011 From:
 fern-re Obsoletes: 118814-01 120038-01 120816-01 121128-01 121394-03
 122085-01 123194-01 123271-01 123332-02 123334-05 125022-01 125108-02
 125174-02 125200-01 125201-01 125808-01 125896-03 126308-01 126428-01
 127723-01 127759-03 127762-01 127882-03 128032-01 128324-02 128346-01
 136891-02 137017-03 137028-01 137123-03 137133-01 137291-01 138046-02
 138081-01 138098-01 138112-01 138116-01 138118-01 138120-01 138157-01
 138169-01 138223-03 138263-03 138283-05 138318-03 138324-03 138375-01
 138381-01 138411-01 138627-07 138644-01 138764-02 138848-02 138858-01
 138870-01 138872-02 138874-05 139390-01 139468-01 139487-01 139503-01
 139504-01 139508-01 139509-02 139514-01 139553-01 139568-01 139935-01
 139941-01 139943-01 139945-03 139946-01 139948-01 139949-01 139958-01
 139970-01 139971-01 139975-03 139983-04 140003-03 140078-01 140144-01
 140146-01 140151-02 140157-03 140165-01 140167-01 140169-01 140175-01
 140192-01 140386-04 140391-03 140395-01 140397-11 140401-01 140413-01
 140557-01 140559-01 140562-02 140681-02 140788-01 140917-02 141012-01
 141022-02 141026-14 141030-10 141034-02 141054-01 141536-01 141542-01
 141544-01 141550-02 141562-02 141723-02 141740-01 141773-01 141780-01
 141899-03 141906-01 141914-02 141922-02 142005-01 142055-03 142236-02
 142242-05 142245-02 142247-01 142249-01 142257-05 142259-07 142263-01
 142290-01 142330-01 142346-02 142390-03 142436-08 142481-01 142528-01
 142539-01 142541-01 142675-01 142900-15 143051-01 143052-02 143054-01

143117-01 143119-02 143120-03 143122-02 143125-02 143128-05 143131-08
143135-03 143137-04 143350-05 143352-01 143354-03 143356-01 143357-05
143359-02 143360-01 143515-01 143519-01 143521-02 143523-04 143528-01
143556-04 143558-01 143565-01 143569-04 143574-01 143576-03 143583-02
143585-01 143586-02 143590-01 143595-01 143597-02 143603-01 143605-01
143607-01 143611-01 143613-01 143623-01 143895-01 143897-03 143899-01
143903-01 143905-01 143907-01 143909-06 143911-01 143920-02 143927-02
143933-01 143935-01 143943-01 144015-01 144017-01 144019-01 144021-01
144023-01 144043-01 144045-02 144049-01 144051-03 144056-01 144110-01
144182-01 144258-01 144369-01 144373-01 144389-01 144453-01 144494-01
144511-01 144624-01 144761-01 145024-01 145049-01 145051-01 145102-01
145103-01 Requires: 118731-01 118833-36 118918-24 119042-09 119578-30
120011-14 120900-04 121133-02 121901-01 126540-02 126897-02 127127-11
127755-01 137137-09 139555-08 141444-09 142911-01 142933-02
Incompatibles:'
PATCH_INFO_144500-19='Installed: Tue Aug 23 11:55:28 PDT 2011 From:
fern-re Obsoletes: 118735-02 118842-01 120044-01 120061-02 120085-02
120994-01 121559-01 122183-03 122408-01 123319-01 123908-02 124237-01
125167-01 125171-02 125414-01 125549-01 126258-03 126260-02 126319-01
126655-02 126896-01 127737-02 127998-01 128000-01 128326-01 136889-01
136892-01 138079-01 138085-01 138087-01 138089-01 138128-01 138239-01
138261-03 138291-01 138293-01 138320-02 138371-06 138373-02 138377-01
138383-01 138387-01 138634-01 138880-02 139478-01 139485-02 139959-04
140074-09 140161-01 140163-01 140190-01 140387-02 140399-03 140683-01
140784-01 140921-02 141010-01 141020-03 141024-01 141052-02 141500-08
141502-02 141506-10 141508-02 141534-01 141686-01 141738-01 142046-04
142238-02 142342-01 142542-01 143140-04 143559-10 143561-10 143571-02
143575-01 143592-09 144053-05 144055-01 144184-02 144254-01 144256-01
144302-01 144311-03 144313-01 144315-01 144367-02 144382-01 144384-02
144459-01 144488-17 144490-01 144508-02 144521-01 144530-01 144532-01
144536-02 144542-06 144548-01 144550-01 144552-01 144554-01 144561-02
144563-02 144565-05 144567-02 144571-02 144573-01 144574-06 144748-02
144754-01 144759-02 144874-01 144903-02 145021-01 145042-03 145046-01
145047-01 145107-02 145124-02 145788-03 145792-01 145794-01 145796-02
145798-08 145868-05 145870-01 145885-01 145887-01 145889-03 145893-02
145895-05 145897-01 145901-01 145907-02 145913-01 145915-01 145927-02
145933-02 145939-01 145941-02 145944-01 145961-02 145963-01 146017-04
146018-03 146019-02 146021-02 146023-01 146028-05 146030-01 146058-02
146062-02 146064-01 146066-02 146069-04 146070-01 146073-01 146132-01
146230-01 146277-01 146287-01 146327-01 146328-02 146336-03 146440-01
146442-01 146443-01 146447-02 146449-01 146478-01 146482-01 146484-01
146570-02 146584-01 146677-01 146701-01 146778-02 146802-03 146804-01
146842-01 146846-01 146855-01 146857-01 147053-01 147182-01 Requires:
118833-36 118918-24 119042-09 119254-41 119578-30 120011-14 121901-01
125891-01 126897-02 127127-11 127755-01 137137-09 139555-08 141444-09
142909-17 142933-03 144526-01 147061-01 Incompatibles:'
PATCH_INFO_144534-02='Installed: Tue Aug 23 11:56:05 PDT 2011 From:
fern-re Obsoletes: Requires: 118833-36 120011-14 127127-11 137137-09
139555-08 141444-09 142909-17 Incompatibles:'
PATCH_INFO_145204-01='Installed: Tue Aug 23 11:56:53 PDT 2011 From:
fern-re Obsoletes: Requires: 120011-14 127127-11 Incompatibles:'
PATCH_INFO_145919-02='Installed: Tue Aug 23 11:57:17 PDT 2011 From:
fern-re Obsoletes: Requires: 118833-36 120011-14 139555-08
Incompatibles:'
PATCH_INFO_145940-01='Installed: Tue Aug 23 11:57:29 PDT 2011 From:
fern-re Obsoletes: Requires: 118833-36 120011-14 127127-11 137137-09


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141444-09 142909-17 Incompatibles:
PATCH_INFO_146060-01='Installed: Tue Aug 23 11:57:43 PDT 2011 From:
fern-re Obsoletes: Requires: 118833-36 137137-09 142909-17
Incompatibles:
PATCH_INFO_146236-02='Installed: Tue Aug 23 11:57:53 PDT 2011 From:
fern-re Obsoletes: Requires: 137137-09 Incompatibles:
PATCH_INFO_146283-01='Installed: Tue Aug 23 11:57:55 PDT 2011 From:
fern-re Obsoletes: Requires: 118833-36 137137-09 142909-17
Incompatibles:
PATCH_INFO_146652-01='Installed: Tue Aug 23 11:58:24 PDT 2011 From:
fern-re Obsoletes: Requires: 120011-14 139555-08 Incompatibles:
PATCH_INFO_146834-01='Installed: Tue Aug 23 11:58:49 PDT 2011 From:
fern-re Obsoletes: 125911-01 126262-01 Requires: 118833-36 120011-14
127127-11 137137-09 139555-08 142909-17 Incompatibles:
PATCH_INFO_147192-01='Installed: Tue Aug 23 11:59:11 PDT 2011 From:
fern-re Obsoletes: Requires: 118833-36 137137-09 141444-09
Incompatibles:
PATCH_INFO_147440-01='Installed: Tue Aug 23 11:59:20 PDT 2011 From:
fern-re Obsoletes: Requires: 118833-36 120011-14 125555-10 127127-11
137137-09 139555-08 141444-09 142909-17 144500-19 142933-04
Incompatibles:
PATCH_INFO_121778-12='Installed: Tue Aug 23 12:36:17 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:
PATCH_INFO_121780-12='Installed: Tue Aug 23 12:36:26 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:
PATCH_INFO_123259-12='Installed: Tue Aug 23 12:36:44 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:
PATCH_INFO_125095-15='Installed: Tue Aug 23 12:39:30 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:
PATCH_INFO_125888-01='Installed: Tue Aug 23 12:52:05 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:
PATCH_INFO_138287-07='Installed: Tue Aug 23 12:54:57 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:
PATCH_INFO_138289-07='Installed: Tue Aug 23 13:07:30 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:
PATCH_INFO_800111-04='Installed: Tue Aug 23 13:11:07 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:
PATCH_INFO_800113-04='Installed: Tue Aug 23 13:25:04 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:
PATCH_INFO_800120-08='Installed: Tue Aug 23 13:27:40 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:
PATCH_INFO_800122-08='Installed: Tue Aug 23 13:43:20 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:
PATCH_INFO_800151-15='Installed: Tue Aug 23 13:46:49 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:
PATCH_INFO_800153-15='Installed: Tue Aug 23 14:02:39 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:
PATCH_INFO_800200-15='Installed: Tue Aug 23 14:41:19 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:
PATCH_INFO_800202-16='Installed: Tue Aug 23 14:57:45 PDT 2011 From:
fern-re Obsoletes: Requires: Incompatibles:
INSTDATE='Jun 13 2012 04:24'
UPDATE='yes'
PATCH_UNCONDITIONAL='false'
PATCH_NO_UNDO='true'
PATCH_BUILD_DIR='none'

```

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PATCH_UNDO_ARCHIVE='none'
INTERRUPTION='no'
PATCH_INFO_144524-02='Installed: Wed Jun 13 04:20:01 UTC 2012 From: host
Obsoletes: Requires: 118833-36 120011-14 127127-11 137137-09 139555-08
141444-09 142909-17 144500-19 Incompatibles:'
SCRIPTS_DIR='/tmp/patch_sol_set/10_Recommended/11282011/patches/147440-12/s
Wed Jun 13 04:23:49 UTC 2012 From: host Obsoletes: Requires: 118833-36
118918-24 120011-14 127127-11 137137-09 139555-08 141444-09 142909-17
144500-19 Incompatibles:'
ACTIVE_OBSOLETEES='125804-01 125902-02 137276-01 140383-01 140563-03
141590-02 141765-01 143941-02 144534-02 146279-01 146281-01 146283-01
146294-03 146320-03 146322-01 146575-03 146767-02 147012-02 147157-02
147258-01 147268-01 147436-01 147699-01 147701-01 147713-01 147770-01
148229-01'
PATCH_INFO_147440-12='Installed: Wed Jun 13 04:24:58 UTC 2012 From: host
Obsoletes: 125804-01 125902-02 137276-01 140383-01 140563-03 141590-02
141765-01 143941-02 144534-02 146279-01 146281-01 146283-01 146294-03
146320-03 146322-01 146575-03 146767-02 147012-02 147157-02 147258-01
147268-01 147436-01 147699-01 147701-01 147713-01 147770-01 148229-01
Requires: 118833-36 120011-14 121133-02 125555-10 127127-11 137137-09
139555-08 141444-09 142909-17 142933-04 144500-19 Incompatibles:'
-- Exit status: 0
present.
Checking pkg SUNWbzip... present.
Checking pkg SUNWpkgcmds... present.
RECOMMENDED 2013.02.19 is already present.
Checking MYSQL_MARKER 1.1 ...
Checking pkg SUNWcomms-mysql-marker... not present.
MYSQL_MARKER 1.1 is not present.
Checking MYSQL_MARKER 1.0 ...
Checking pkg SUNWcomms-mysql-marker... not present.
MYSQL_MARKER 1.0 is not present.
Checking MYSQL 5.5.8 ...
Checking pkg mysql... not present.
MYSQL 5.5.8 is not present.
Checking MYSQL 5.1.36 ...
Checking pkg mysql... not present.
MYSQL 5.1.36 is not present.
Checking ST 1.1.4 ...
Checking pkg SUNWservicetagr...pkgparam -v SUNWservicetagr 2>&1
CLASSES='none rbac manifest services'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:09'
PKGSAB=' /var/sadm/pkg/SUNWservicetagr/save'
PKGINST='SUNWservicetagr'
OSREL='5.10'
OSROOT='/opt/CNSREbuild/src/servicetags/release/rel_114-01/servicetags/prot
contact your local service provider'
VENDOR='Sun Microsystems, Inc.'
SUNW_PKGTYPE='root'
CATEGORY='system'
VERSION='1.1.4,REV=2008.03.21.07.54'
ARCH='sparc'
DESC='Service Tags Agent'
NAME='Service Tags (root)'
PKG='SUNWservicetagr'

```

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SUNW_PKGVERS='1.0'
SUNW_PRODVERS='1.1.4.1'
SUNW_PRODNAME='Service Tags (root)'
PSTAMP='sparc(re-s10-s01)Fri Mar 21 07:54:10 MDT 2008'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWservicetagu...pkgparam -v SUNWservicetagu 2>&1
CLASSES='none rbac'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:09'
PKGSAB=' /var/sadm/pkg/SUNWservicetagu/save'
PKGINST='SUNWservicetagu'
OSREL='5.10'
OSROOT='/opt/CNSREbuild/src/servicetags/release/rel_114-01/servicetags/prot
contact your local service provider'
VENDOR='Sun Microsystems, Inc.'
SUNW_PKGTYPE='usr'
CATEGORY='system'
VERSION='1.1.4, REV=2008.03.21.07.54'
ARCH='sparc'
DESC='Service Tags Agent'
NAME='Service Tags (Usr)'
PKG='SUNWservicetagu'
SUNW_PKGVERS='1.0'
SUNW_PRODVERS='1.1.4.1'
SUNW_PRODNAME='Service Tags (Usr)'
PSTAMP='sparc(re-s10-s01)Fri Mar 21 07:54:08 MDT 2008'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWstosreg...pkgparam -v SUNWstosreg 2>&1
CLASSES='none manifest'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:09'
PKGSAB=' /var/sadm/pkg/SUNWstosreg/save'

```

```

PKGINST='SUNWstosreg'
OSREL='5.10'
OSROOT='/opt/CNSREbuild/src/servicetags/release/rel_114-01/servicetags/prot
contact your local service provider'
VENDOR='Sun Microsystems, Inc.'
SUNW_PKGTYPE='root'
CATEGORY='system'
VERSION='1.1.4,REV=2008.03.21.07.54'
ARCH='sparc'
DESC='Service Tags Solaris OS Registration'
NAME='Service Tags Solaris OS Registration'
PKG='SUNWstosreg'
SUNW_PKGVERS='1.0'
SUNW_PRODVERS='1.1.4.1'
SUNW_PRODNAME='Service Tags Solaris OS Registration'
PSTAMP='sparc(re-s10-s01)Fri Mar 21 07:54:11 MDT 2008'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
ST 1.1.4 is already present.
Checking NSS 4.8.9 ...
Checking pkg SUNWpr...pkgparam -v SUNWpr 2>&1
CLASSES='none'
BASEDIR='/'
SCRIPTS_DIR='/export/user3/work/msg_next/msg/test/ci_retrofit/ci/SunOS_spar
Thu Sep 5 23:52:59 PDT 2013 From: host Obsoletes: Requires:
Incompatibles:
INTERRUPTION='no'
PATCH_UNDO_ARCHIVE='none'
PATCH_BUILD_DIR='none'
PATCH_NO_UNDO='false'
PATCH_UNCONDITIONAL='false'
UPDATE='yes'
PATCHLIST='125358-16 125358-17'
PATCH_INFO_125358-16='Installed: Sat Jun 1 17:59:57 PDT 2013 From:
wozzeck Obsoletes: Requires: Incompatibles:'
INSTDATE='Sep 05 2013 23:52'
PKGSABV='/var/sadm/pkg/SUNWpr/save'
PKGINST='SUNWpr'
PSTAMP='wozzeck20130821035637'
SUNW_PATCHID='125358-17'
SUNW_PKGVERS='1.0'
EMAIL=''
HOTLINE='Please contact your local service provider'
VENDOR='Sun Microsystems, Inc.'
DESC='Netscape Portable Runtime Interface'

```

```

CATEGORY='system'
MAXINST='1000'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.9.5'
SUNW_PRODNAME='Netscape Portable Runtime'
VERSION='4.6.4,REV=2006.11.16.20.40'
ARCH='sparc'
NAME='Netscape Portable Runtime'
PKG='SUNWpr'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWprd...pkgparam -v SUNWprd 2>&1
CLASSES='none'
BASEDIR='/'
SCRIPTS_DIR='/export/user3/work/msg_next/msg/test/ci_retrofit/ci/SunOS_spar
Thu Sep 5 23:53:01 PDT 2013 From: host Obsoletes: Requires:
Incompatibles:'
INTERRUPTION='no'
PATCH_UNDO_ARCHIVE='none'
PATCH_BUILD_DIR='none'
PATCH_NO_UNDO='false'
PATCH_UNCONDITIONAL='false'
UPDATE='yes'
PATCHLIST='125358-16 125358-17'
PATCH_INFO_125358-16='Installed: Sat Jun 1 17:59:57 PDT 2013 From:
wozzeck Obsoletes: Requires: Incompatibles:'
INSTDATE='Sep 05 2013 23:53'
PKGSAB='/var/sadm/pkg/SUNWprd/save'
PKGINST='SUNWprd'
PSTAMP='wozzeck20130821035737'
SUNW_PATCHID='125358-17'
SUNW_PKGVERS='1.0'
EMAIL=''
HOTLINE='Please contact your local service provider'
VENDOR='Sun Microsystems, Inc.'
DESC='Netscape Portable Runtime Interface Files for Development'
CATEGORY='system'
MAXINST='1000'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.9.5'
SUNW_PRODNAME='Netscape Portable Runtime Development'
VERSION='4.6.4,REV=2006.11.16.20.40'

```

```

ARCH='sparc'
NAME='Netscape Portable Runtime Development'
PKG='SUNWprd'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWtls...pkgparam -v SUNWtls 2>&1
CLASSES='none'
BASEDIR='/'
SCRIPTS_DIR='/export/user3/work/msg_next/msg/test/ci_retrofit/ci/SunOS_sparc'
Thu Sep 5 23:53:06 PDT 2013 From: host Obsoletes: Requires:
Incompatibles:
INTERRUPTION='no'
PATCH_UNDO_ARCHIVE='none'
PATCH_BUILD_DIR='none'
PATCH_NO_UNDO='false'
PATCH_UNCONDITIONAL='false'
UPDATE='yes'
PATCHLIST='125358-16 125358-17'
PATCH_INFO_125358-16='Installed: Sat Jun 1 17:59:58 PDT 2013 From:
wozzeck Obsoletes: Requires: Incompatibles:'
INSTDATE='Sep 05 2013 23:53'
PKGSAB='/var/sadm/pkg/SUNWtls/save'
PKGINST='SUNWtls'
PSTAMP='wozzeck20130821035821'
SUNW_PATCHID='125358-17'
SUNW_PKGVERS='1.0'
EMAIL=''
HOTLINE='Please contact your local service provider'
VENDOR='Sun Microsystems, Inc.'
DESC='Network Security Services'
CATEGORY='system'
MAXINST='1000'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='3.14.3'
SUNW_PRODNAME='Network Security Services'
VERSION='3.11.4,REV=2006.11.16.20.40'
ARCH='sparc'
NAME='Network Security Services'
PKG='SUNWtls'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'

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PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWt1sd...pkgparam -v SUNWt1sd 2>&1
CLASSES='none'
BASEDIR='/'
SCRIPTS_DIR='/export/user3/work/msg_next/msg/test/ci_retrofit/ci/SunOS_spar
Thu Sep 5 23:53:12 PDT 2013 From: host Obsoletes: Requires:
Incompatibles:'
INTERRUPTION='no'
PATCH_UNDO_ARCHIVE='none'
PATCH_BUILD_DIR='none'
PATCH_NO_UNDO='false'
PATCH_UNCONDITIONAL='false'
UPDATE='yes'
PATCHLIST='125358-16 125358-17'
PATCH_INFO_125358-16='Installed: Sat Jun 1 17:59:58 PDT 2013 From:
wozzeck Obsoletes: Requires: Incompatibles:'
INSTDATE='Sep 05 2013 23:53'
PKGSAB=' /var/sadm/pkg/SUNWt1sd/save'
PKGINST='SUNWt1sd'
PSTAMP='wozzeck20130821040205'
SUNW_PATCHID='125358-17'
SUNW_PKGVERS='1.0'
EMAIL=''
HOTLINE='Please contact your local service provider'
VENDOR='Sun Microsystems, Inc.'
DESC='Network Security Services Files for Development'
CATEGORY='system'
MAXINST='1000'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='3.14.3'
SUNW_PRODNAME='Network Security Services Development'
VERSION='3.11.4,REV=2006.11.16.20.40'
ARCH='sparc'
NAME='Network Security Services Development'
PKG='SUNWt1sd'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''

```

```

LC_MESSAGES=' '
LC_COLLATE=' '
LC_TIME=' '
LC_NUMERIC=' '
LC_CTYPE=' '
-- Exit status: 0
present.
Checking pkg SUNWtlsu...pkgparam -v SUNWtlsu 2>&1
CLASSES='none'
BASEDIR='/'
SCRIPTS_DIR='/export/user3/work/msg_next/msg/test/ci_retrofit/ci/SunOS_spar
Thu Sep 5 23:53:19 PDT 2013 From: host Obsoletes: Requires:
Incompatibles:'
INTERRUPTION='no'
PATCH_UNDO_ARCHIVE='none'
PATCH_BUILD_DIR='none'
PATCH_NO_UNDO='false'
PATCH_UNCONDITIONAL='false'
UPDATE='yes'
PATCHLIST='125358-16 125358-17'
PATCH_INFO_125358-16='Installed: Sat Jun 1 18:00:01 PDT 2013 From:
wozzeck Obsoletes: Requires: Incompatibles:'
INSTDATE='Sep 05 2013 23:53'
PKGSAB=' /var/sadm/pkg/SUNWtlsu/save'
PKGINST='SUNWtlsu'
PSTAMP='wozzeck20130821040102'
SUNW_PATCHID='125358-17'
SUNW_PKGVERS='1.0'
EMAIL=' '
HOTLINE='Please contact your local service provider'
VENDOR='Sun Microsystems, Inc.'
DESC='Network Security Services'
CATEGORY='system'
MAXINST='1000'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='3.14.3'
SUNW_PRODNAME='Network Security Services Tools'
VERSION='3.11.4,REV=2006.11.16.20.40'
ARCH='sparc'
NAME='Network Security Services Tools'
PKG='SUNWtlsu'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=' '
LC_MONETARY=' '
LC_MESSAGES=' '
LC_COLLATE=' '
LC_TIME=' '
LC_NUMERIC=' '
LC_CTYPE=' '
-- Exit status: 0

```



```

present.
Checking pkg SUNWjss...pkgparam -v SUNWjss 2>&1
CLASSES='none'
BASEDIR='/'
SCRIPTS_DIR='/export/user3/work/msg_next/msg/test/ci_retrofit/ci/SunOS_spar
Thu Sep 5 23:52:56 PDT 2013 From: host Obsoletes: Requires:
Incompatibles:
INTERRUPTION='no'
PATCH_UNDO_ARCHIVE='none'
PATCH_BUILD_DIR='none'
PATCH_NO_UNDO='false'
PATCH_UNCONDITIONAL='false'
UPDATE='yes'
PATCHLIST='125358-16 125358-17'
PATCH_INFO_125358-16='Installed: Sat Jun 1 17:59:56 PDT 2013 From:
wozzeck Obsoletes: Requires: Incompatibles:'
INSTDATE='Sep 05 2013 23:52'
PKGSABV='/var/sadm/pkg/SUNWjss/save'
PKGINST='SUNWjss'
PSTAMP='wozzeck20130821040319'
SUNW_PATCHID='125358-17'
SUNW_PKGVERS='1.0'
EMAIL=''
HOTLINE='Please contact your local service provider'
VENDOR='Sun Microsystems, Inc.'
DESC='Network Security Services for Java (JSS)'
CATEGORY='system'
MAXINST='1000'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.3.2'
SUNW_PRODNAME='Network Security Services for Java (JSS)'
VERSION='4.2.4,REV=2006.11.16.20.40'
ARCH='sparc'
NAME='Network Security Services for Java (JSS)'
PKG='SUNWjss'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
NSS 4.8.9 is already present.
Checking SASL 2.19 ...
Checking pkg SUNWsas1...pkgparam -v SUNWsas1 2>&1
CLASSES='none'
BASEDIR='/'

```

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INSTDATE='Oct 25 2013 18:42'
PKGSAB=' /var/sadm/pkg/SUNWsas1/save'
PKGINST='SUNWsas1'
PATCH_INFO_119345-08='Installed: Wed Oct 6 10:42:54 PDT 2010 From:
wozzeck Obsoletes: Requires: Incompatibles:'
PATCHLIST='119345-08'
SUNW_PRODVERS='2.19'
SUNW_PRODNAME='SASL'
SUNW_PATCH_PROPERTIES=''
PSTAMP='wozzeck20101006104253'
VERSION='2.17,REV=2004.04.06.15.24'
VENDOR='Sun Microsystems, Inc.'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWsas1'
NAME='SASL'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Simple Authentication and Security Layer'
CATEGORY='system'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
SASL 2.19 is already present.
Checking LDAPSDK6 6.0 ...
Checking pkg SUNWldapcsdk-libs...pkgparam -v SUNWldapcsdk-libs 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Oct 25 2013 18:42'
PKGSAB=' /var/sadm/pkg/SUNWldapcsdk-libs/save'
PKGINST='SUNWldapcsdk-libs'
PATCH_INFO_145084-01='Installed: Tuesday, June 8, 2010 6:04:59 PM MEST
From: zedmil Obsoletes: Requires: Incompatibles:'
PATCH_INFO_136798-03='Installed: Tuesday, June 8, 2010 6:04:56 PM MEST
From: zedmil Obsoletes: Requires: Incompatibles:'
PATCHLIST='136798-03 145084-01'
PSTAMP='tagada20100608172022'
VERSION='6.00,REV=2006.12.11.00.08'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODVERS='6.03'
SUNW_PRODNAME='Sun LDAP C SDK Libraries'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWldapcsdk-libs'

```

```

NAME='Sun LDAP C SDK Libraries'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun LDAP C SDK Libraries'
CATEGORY='system'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWldapcsdk-dev...pkgparam -v SUNWldapcsdk-dev 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Oct 25 2013 18:42'
PKGSABV='/var/sadm/pkg/SUNWldapcsdk-dev/save'
PKGINST='SUNWldapcsdk-dev'
PATCH_INFO_145084-01='Installed: Tuesday, June 8, 2010 6:04:58 PM MEST
From: zedmil Obsoletes: Requires: Incompatibles:'
PATCH_INFO_136798-03='Installed: Tuesday, June 8, 2010 6:04:56 PM MEST
From: zedmil Obsoletes: Requires: Incompatibles:'
PATCHLIST='136798-03 145084-01'
PSTAMP='tagada20100608172029'
VERSION='6.00,REV=2006.12.11.00.08'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODVERS='6.03'
SUNW_PRODNAME='Sun LDAP C SDK Development'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWldapcsdk-dev'
NAME='Sun LDAP C SDK Development'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun LDAP C SDK Development'
CATEGORY='system'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''

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```

LC_CTYPE=''
-- Exit status: 0
present.
LDAPCSDK6 6.0 is already present.
Checking LDAPCSDK6_TOOLS 6.0 ...
Checking pkg SUNWldapcsdk-tools...pkgparam -v SUNWldapcsdk-tools 2>&1
CLASSES='none'
BASEDIR='/opt/SUNWdsee'
INSTDATE='Oct 25 2013 18:42'
PKGSAB=' /var/sadm/pkg/SUNWldapcsdk-tools/save'
PKGINST='SUNWldapcsdk-tools'
PATCH_INFO_145084-01='Installed: Tuesday, June 8, 2010 6:04:59 PM MEST
From: zedmil Obsoletes: Requires: Incompatibles:'
PATCH_INFO_136798-03='Installed: Tuesday, June 8, 2010 6:04:57 PM MEST
From: zedmil Obsoletes: Requires: Incompatibles:'
PATCHLIST='136798-03 145084-01'
PSTAMP='tagada20100608172026'
VERSION='6.00,REV=2006.12.11.00.08'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODVERS='6.03'
SUNW_PRODNAME='Sun LDAP C SDK Tools'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE=''
PKG='SUNWldapcsdk-tools'
NAME='Sun LDAP C SDK Tools'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun LDAP C SDK Tools'
CATEGORY='system'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
LDAPCSDK6_TOOLS 6.0 is already present.
Checking ICU ICU2,ICU3 ...
Checking pkg SUNWicu...pkgparam -v SUNWicu 2>&1
CLASSES='none'
BASEDIR='/usr'
SCRIPTS_DIR='/net/comms-nfs.host1.example.com/export/megan/wspace/user1/re
Fri Oct 25 18:43:40 PDT 2013 From: host Obsoletes: Requires:
Incompatibles:'
INTERRUPTION='no'
PATCH_UNDO_ARCHIVE='none'
PATCH_BUILD_DIR='none'
PATCH_NO_UNDO='false'

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PATCH_UNCONDITIONAL='false'
UPDATE='yes'
PATCHLIST='119810-05 119810-07'
PATCH_INFO_119810-05='Installed: Tue Apr 29 20:19:06 PDT 2008 From:
elfgrass Obsoletes: Requires: Incompatibles:'
INSTDATE='Oct 25 2013 18:43'
PKGSAB=' /var/sadm/pkg/SUNWicu/save'
PKGINST='SUNWicu'
SUNW_PATCHID='119810-07'
ARCH='sparc'
VERSION='1.2, REV=2005.01.06.14.13'
PSTAMP=''
SUNW_PKGTYPE='usr'
SUNW_PKGVERS='1.0'
MAXINST='1000'
EMAIL=''
HOTLINE='Please contact your local service provider'
VENDOR='Sun Microsystems, Inc.'
DESC='International Components for Unicode User Files'
SUNW_PRODVERS='10/Generic'
SUNW_PRODNAME='International Components for Unicode User Files'
CATEGORY='system'
NAME='International Components for Unicode User Files'
PKG='SUNWicu'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
ICU ICU2,ICU3 is already present.
Checking JDK 1.6.0 ...
Checking pkg SUNWj6rt...pkgparam -v SUNWj6rt 2>&1
CLASSES='none'
BASEDIR='/usr'
INSTDATE='Nov 06 2013 01:09'
PKGSAB=' /var/sadm/pkg/SUNWj6rt/save'
PKGINST='SUNWj6rt'
PATCH_INFO_125136-28='Installed: Wed May 4 12:01:41 PDT 2011 From: mizu
Obsoletes: Requires: Incompatibles:'
PATCHLIST='125136-28'
SUNW_PRODVERS='1.6.0_26/1.6.0_26-b03'
PSTAMP='jdk-sol-sparc20110504063500'
NAME='JDK 6.0 Runtime Env. (1.6.0_26)'
VERSION='1.6.0, REV=2006.11.29.05.57'
VENDOR='Sun Microsystems, Inc.'

```

```

SUNW_PRODNAME='JDK 6.0'
SUNW_PKG_THISZONE='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWj6rt'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Java Platform virtual machine and core class libraries'
CATEGORY='system'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWj6rtx...pkgparam -v SUNWj6rtx 2>&1
CLASSES='none'
BASEDIR='/usr'
INSTDATE='Nov 06 2013 01:09'
PKGSABV='/var/sadm/pkg/SUNWj6rtx/save'
PKGINST='SUNWj6rtx'
PATCH_INFO_125137-28='Installed: Wed May 4 12:01:28 PDT 2011 From: mizu
Obsoletes: Requires: Incompatibles:'
PATCHLIST='125137-28'
SUNW_PRODVERS='1.6.0_26/1.6.0_26-b03'
PSTAMP='j2se-build20110504060508'
NAME='JDK 6.0 64-bit Runtime Env. (1.6.0_26)'
VERSION='1.6.0,REV=2006.11.29.04.58'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='JDK 6.0'
SUNW_PKG_THISZONE='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWj6rtx'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Java Platform virtual machine and core class libraries (64 bit)'
CATEGORY='system'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'

```

```

LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWj6dev...pkgparam -v SUNWj6dev 2>&1
CLASSES='none'
BASEDIR='/usr'
INSTDATE='Nov 06 2013 01:09'
PKGSAB=' /var/sadm/pkg/SUNWj6dev/save'
PKGINST='SUNWj6dev'
PATCH_INFO_125136-28='Installed: Wed May 4 12:01:31 PDT 2011 From: mizu
Obsoletes: Requires: Incompatibles:'
PATCHLIST='125136-28'
SUNW_PRODVERS='1.6.0_26/1.6.0_26-b03'
PSTAMP='jdk-sol-sparc20110504063533'
NAME='JDK 6.0 Dev. Tools (1.6.0_26)'
VERSION='1.6.0,REV=2006.11.29.05.57'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='JDK 6.0'
SUNW_PKG_THISZONE='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWj6dev'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Java Platform development tools'
CATEGORY='system'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWj6dvx...pkgparam -v SUNWj6dvx 2>&1
CLASSES='none'
BASEDIR='/usr'
INSTDATE='Nov 06 2013 01:09'
PKGSAB=' /var/sadm/pkg/SUNWj6dvx/save'
PKGINST='SUNWj6dvx'

```

```

PATCH_INFO_125137-28='Installed: Wed May 4 12:01:27 PDT 2011 From: mizu
Obsoletes: Requires: Incompatibles:'
PATCHLIST='125137-28'
SUNW_PRODVERS='1.6.0_26/1.6.0_26-b03'
PSTAMP='j2se-build20110504060513'
NAME='JDK 6.0 64-bit Dev. Tools (1.6.0_26)'
VERSION='1.6.0,REV=2006.11.29.04.58'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='JDK 6.0'
SUNW_PKG_THISZONE='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWj6dvx'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Java Platform development tools (64-bit)'
CATEGORY='system'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWj6cfg...pkgparam -v SUNWj6cfg 2>&1
CLASSES='none preserve'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:10'
PKGSAB=' /var/sadm/pkg/SUNWj6cfg/save'
PKGINST='SUNWj6cfg'
PATCH_INFO_125136-28='Installed: Wed May 4 12:01:31 PDT 2011 From: mizu
Obsoletes: Requires: Incompatibles:'
PATCHLIST='125136-28'
SUNW_PRODVERS='1.6.0_26/1.6.0_26-b03'
PSTAMP='jdk-sol-sparc20110504063526'
NAME='JDK 6.0 Host Config. (1.6.0_26)'
VERSION='1.6.0,REV=2006.11.29.05.57'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='JDK 6.0'
SUNW_PKG_THISZONE='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='root'
PKG='SUNWj6cfg'
MAXINST='1000'

```



```

HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Java Platform host specific configuration'
CATEGORY='system'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
JDK 1.6.0 is already present.
Checking JDK 1.5.0 ...
Checking pkg SUNWj5rt...pkgparam -v SUNWj5rt 2>&1
CLASSES='none'
BASEDIR='/usr'
INSTDATE='Feb 26 2013 14:05'
PKGSABV='/var/sadm/pkg/SUNWj5rt/save'
PKGINST='SUNWj5rt'
PATCH_INFO_118666-12='Installed: Mon Aug 20 17:51:13 PDT 2007 From: fern
Obsoletes: Requires: Incompatibles:'
PATCHLIST='118666-12'
SUNW_PRODVERS='1.5.0_12/1.5.0_12-b04'
PSTAMP='tiger-sparc20070502064448'
NAME='JDK 5.0 Runtime Env. (1.5.0_12)'
VERSION='1.5.0,REV=2004.12.07.00.07'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='JDK 5.0'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWj5rt'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Java Platform virtual machine and core class libraries'
CATEGORY='system'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0

```

```

present.
Checking pkg SUNWj5rtx...pkgparam -v SUNWj5rtx 2>&1
CLASSES='none'
BASEDIR='/usr'
INSTDATE='Feb 26 2013 14:05'
PKGSAB='/var/sadm/pkg/SUNWj5rtx/save'
PKGINST='SUNWj5rtx'
PATCH_INFO_118667-12='Installed: Mon Aug 20 17:51:23 PDT 2007 From: fern
Obsoletes: Requires: Incompatibles:'
PATCHLIST='118667-12'
SUNW_PRODVERS='1.5.0_12/1.5.0_12-b04'
PSTAMP='tiger-sparc20070502045321'
NAME='JDK 5.0 64-bit Runtime Env. (1.5.0_12)'
VERSION='1.5.0,REV=2004.12.06.22.09'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='JDK 5.0'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWj5rtx'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Java Platform virtual machine and core class libraries (64 bit)'
CATEGORY='system'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWj5cfg...pkgparam -v SUNWj5cfg 2>&1
CLASSES='none preserve'
BASEDIR='/'
INSTDATE='Feb 26 2013 14:05'
PKGSAB='/var/sadm/pkg/SUNWj5cfg/save'
PKGINST='SUNWj5cfg'
PATCH_INFO_118666-12='Installed: Mon Aug 20 17:50:34 PDT 2007 From: fern
Obsoletes: Requires: Incompatibles:'
PATCHLIST='118666-12'
SUNW_PRODVERS='1.5.0_12/1.5.0_12-b04'
PSTAMP='tiger-sparc20070502064511'
NAME='JDK 5.0 Host Config. (1.5.0_12)'
VERSION='1.5.0,REV=2004.12.07.00.07'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='JDK 5.0'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='root'
PKG='SUNWj5cfg'

```

```

MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Java Platform host specific configuration'
CATEGORY='system'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
JDK 1.5.0 is already present.
Checking JHRT 2.0 ...
Checking pkg SUNWjhrt...pkgparam -v SUNWjhrt 2>&1
CLASSES='none j3link j5link j6link'
BASEDIR='/usr'
INSTDATE='Nov 06 2013 01:10'
PKGSABV='/var/sadm/pkg/SUNWjhrt/save'
PKGINST='SUNWjhrt'
PSTAMP='mizu20061004154147'
EMAIL=''
HOTLINE='Please contact your local service provider'
VENDOR='Sun Microsystems, Inc.'
DESC='JavaHelp graphical help runtime'
SUNW_PKGVERS='1.0'
CATEGORY='application,java'
MAXINST='1000'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='2.0/FCS'
SUNW_PRODNAME='JavaHelp 2.0'
VERSION='2.0,REV=2006.10.31'
ARCH='all'
NAME='JavaHelp Runtime'
PKG='SUNWjhrt'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWjhdev...pkgparam -v SUNWjhdev 2>&1

```

```

CLASSES='none j3link j5link j6link'
BASEDIR='/usr'
INSTDATE='Nov 06 2013 01:10'
PKGSAB=' /var/sadm/pkg/SUNWjhdev/save'
PKGINST='SUNWjhdev'
PSTAMP='mizu20061004154149'
EMAIL=''
HOTLINE='Please contact your local service provider'
VENDOR='Sun Microsystems, Inc.'
DESC='JavaHelp graphical help developer toolkit'
SUNW_PKGVERS='1.0'
CATEGORY='application,java'
MAXINST='1000'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='2.0/FCS'
SUNW_PRODNAME='JavaHelp 2.0'
VERSION='2.0,REV=2006.10.04'
ARCH='all'
NAME='JavaHelp Development Utilities'
PKG='SUNWjhdev'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWjhdev...pkgparam -v SUNWjhdev 2>&1
CLASSES='none'
BASEDIR='/usr'
INSTDATE='Nov 06 2013 01:10'
PKGSAB=' /var/sadm/pkg/SUNWjhdev/save'
PKGINST='SUNWjhdev'
PSTAMP='mizu20061004154151'
EMAIL=''
HOTLINE='Please contact your local service provider'
VENDOR='Sun Microsystems, Inc.'
DESC='JavaHelp graphical help demos'
SUNW_PKGVERS='1.0'
CATEGORY='application,java'
MAXINST='1000'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='2.0/FCS'
SUNW_PRODNAME='JavaHelp 2.0'
VERSION='2.0,REV=2006.10.04'
ARCH='all'
NAME='JavaHelp Demos'
PKG='SUNWjhdev'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'

```

```

TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWjhd doc...pkgparam -v SUNWjhd doc 2>&1
CLASSES='none link'
BASEDIR='/usr'
INSTDATE='Nov 06 2013 01:10'
PKGSAB=' /var/sadm/pkg/SUNWjhd doc/save'
PKGINST='SUNWjhd doc'
PSTAMP='mizu20061004154153'
EMAIL=''
HOTLINE='Please contact your local service provider'
VENDOR='Sun Microsystems, Inc.'
DESC='JavaHelp graphical help documentation'
SUNW_PKGVERS='1.0'
CATEGORY='application,java'
MAXINST='1000'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='2.0/FCS'
SUNW_PRODNAME='JavaHelp 2.0'
VERSION='2.0,REV=2006.10.04'
ARCH='all'
NAME='JavaHelp Documentation'
PKG='SUNWjhd doc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
JHRT 2.0 is already present.
Checking MQ 4.4 ...
Checking pkg SUNWiqr...pkgparam -v SUNWiqr 2>&1
CLASSES='none initd preserve'
BASEDIR='/'
INSTDATE='May 05 2014 11:40'
UPDATE='yes'
PKGSAB=' /var/sadm/pkg/SUNWiqr/save'
PKGINST='SUNWiqr'
PATCH_INFO_142846-01='Installed: Thu Nov 19 00:24:52 PST 2009 From:
icdev Obsoletes: Requires: Incompatibles:'

```

```

PATCHLIST='142846-01'
SUNW_PRODVERS='4.4.1.0'
PSTAMP='icdev20091119002117'
VERSION='4.4,REV=2009.08.27.08.32'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKG_THISZONES='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='root'
PKG='SUNWiqr'
NAME='Sun GlassFish(tm) Message Queue Root Package'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue Root Package'
CATEGORY='application'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWiqr...pkgparam -v SUNWiqr 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='May 05 2014 11:40'
PKGSAB='/var/sadm/pkg/SUNWiqr/save'
PKGINST='SUNWiqr'
PATCH_INFO_142846-01='Installed: Thu Nov 19 00:24:53 PST 2009 From:
icdev Obsoletes: Requires: Incompatibles:'
PATCHLIST='142846-01'
SUNW_PRODVERS='4.4.1.0'
PSTAMP='icdev20091119002055'
VERSION='4.4,REV=2009.08.27.08.32'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKG_THISZONES='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWiqr'
NAME='Sun GlassFish(tm) Message Queue /usr Package'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''

```

```

DESC='Sun GlassFish(tm) Message Queue /usr Package'
CATEGORY='application'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWiqdoc...pkgparam -v SUNWiqdoc 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='May 05 2014 11:40'
PKGSABV='/var/sadm/pkg/SUNWiqdoc/save'
PKGINST='SUNWiqdoc'
PSTAMP='icdev20090827083233'
DESC='Sun GlassFish(tm) Message Queue Javadoc and Examples'
HOTLINE='Please contact your local service provider'
EMAIL=''
SUNW_PKG_THISZONES='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.0.0'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
MAXINST='1000'
VENDOR='Sun Microsystems, Inc.'
CATEGORY='application'
VERSION='4.4,REV=2009.08.27.08.32'
ARCH='sparc'
NAME='Sun GlassFish(tm) Message Queue Javadoc and Examples'
PKG='SUNWiqdoc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWiquc...pkgparam -v SUNWiquc 2>&1
CLASSES='none'
BASEDIR='/'

```

```

INSTDATE='May 05 2014 11:40'
PKGSAB=' /var/sadm/pkg/SUNWiquc/save'
PKGINST='SUNWiquc'
PATCH_INFO_142846-01='Installed: Thu Nov 19 00:24:54 PST 2009 From:
icdev Obsoletes: Requires: Incompatibles:'
PATCHLIST='142846-01'
SUNW_PRODVERS='4.4.1.0'
PSTAMP='icdev20091119002105'
VERSION='4.4,REV=2009.08.27.08.33'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKG_THISZONES='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWiquc'
NAME='Sun GlassFish(tm) Message Queue Client Runtime'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue Client Runtime'
CATEGORY='application'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWiquc...pkgparam -v SUNWiquc 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='May 05 2014 11:40'
PKGSAB=' /var/sadm/pkg/SUNWiquc/save'
PKGINST='SUNWiquc'
PATCH_INFO_142846-01='Installed: Thu Nov 19 00:24:54 PST 2009 From:
icdev Obsoletes: Requires: Incompatibles:'
PATCHLIST='142846-01'
SUNW_PRODVERS='4.4.1.0'
PSTAMP='icdev20091119002115'
VERSION='4.4,REV=2009.08.27.08.33'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKG_THISZONES='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'

```



```

PKG='SUNWiqum'
NAME='Sun GlassFish(tm) Message Queue JMS/SOAP Msg Transformer'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue JMS/SOAP Msg Transformer'
CATEGORY='application'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWiqjx...pkgparam -v SUNWiqjx 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='May 05 2014 11:40'
PKGSABV='/var/sadm/pkg/SUNWiqjx/save'
PKGINST='SUNWiqjx'
PATCH_INFO_142846-01='Installed: Thu Nov 19 00:24:51 PST 2009 From:
icdev Obsoletes: Requires: Incompatibles:'
PATCHLIST='142846-01'
SUNW_PRODVERS='4.4.1.0'
PSTAMP='icdev20091119002109'
VERSION='4.4,REV=2009.08.27.08.33'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWiqjx'
NAME='Sun GlassFish(tm) Message Queue JAXM Client Runtime'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue JAXM Client Runtime'
CATEGORY='application'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''

```

```

-- Exit status: 0
present.
Checking pkg SUNWiqfs...pkgparam -v SUNWiqfs 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='May 05 2014 11:40'
PKGSAB=' /var/sadm/pkg/SUNWiqfs/save'
PKGINST='SUNWiqfs'
PSTAMP='icdev20090827083333'
DESC='Sun GlassFish(tm) Message Queue JNDI FS Provider'
HOTLINE='Please contact your local service provider'
EMAIL=''
SUNW_PKG_THISZONES='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.0.0'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
MAXINST='1000'
VENDOR='Sun Microsystems, Inc.'
CATEGORY='application'
VERSION='4.4,REV=2009.08.27.08.33'
ARCH='sparc'
NAME='Sun GlassFish(tm) Message Queue JNDI FS Provider'
PKG='SUNWiqfs'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWiqcrt...pkgparam -v SUNWiqcrt 2>&1
CLASSES='none'
BASEDIR='/opt'
INSTDATE='May 05 2014 11:40'
PKGSAB=' /var/sadm/pkg/SUNWiqcrt/save'
PKGINST='SUNWiqcrt'
PATCH_INFO_142847-01='Installed: Thu Nov 19 00:25:14 PST 2009 From:
icdev Obsoletes: Requires: Incompatibles:'
PATCHLIST='142847-01'
SUNW_PRODVERS='4.4.1.0'
PSTAMP='icdev20091119002136'
VERSION='4.4,REV=2009.08.27.08.33'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKG_THISZONES='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_ALLZONES='false'

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SUNW_PKGVERS='1.0'
PKG='SUNWiqcrt'
NAME='Sun GlassFish(tm) Message Queue C Runtime'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue C Runtime'
CATEGORY='application'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWiqcdv...pkgparam -v SUNWiqcdv 2>&1
CLASSES='none'
BASEDIR='/opt'
INSTDATE='May 05 2014 11:40'
PKGSABV='/var/sadm/pkg/SUNWiqcdv/save'
PKGINST='SUNWiqcdv'
PATCH_INFO_142847-01='Installed: Thu Nov 19 00:25:13 PST 2009 From:
icdev Obsoletes: Requires: Incompatibles:'
PATCHLIST='142847-01'
SUNW_PRODVERS='4.4.1.0'
PSTAMP='icdev20091119002139'
VERSION='4.4,REV=2009.08.27.08.33'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKG_THISZONES='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGVERS='1.0'
PKG='SUNWiqcdv'
NAME='Sun GlassFish(tm) Message Queue C Developer'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue C Developer'
CATEGORY='application'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''

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LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWiqlen...pkgparam -v SUNWiqlen 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='May 05 2014 11:40'
PKGSAB=' /var/sadm/pkg/SUNWiqlen/save'
PKGINST='SUNWiqlen'
PATCH_INFO_142846-01='Installed: Thu Nov 19 00:24:52 PST 2009 From:
icdev Obsolete: Requires: Incompatibles:'
PATCHLIST='142846-01'
SUNW_PRODVERS='4.4.1.0'
PSTAMP='icdev20091119002112'
VERSION='4.4,REV=2009.08.27.08.33'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKG_THISZONES='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGVERS='1.0'
SUNW_PKGTYPE='usr'
PKG='SUNWiqlen'
NAME='Sun GlassFish(tm) Message Queue Commercial Product License'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue Commercial Product Broker'
CATEGORY='application'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
MQ 4.4 is already present.
Checking MQ 3.7 ...
Checking pkg SUNWiqr... present but with a different pkg VERSION.
checking SUNWiqr 3.7,REV=2006.06.18.22.34
Checking pkg SUNWiqu... present but with a different pkg VERSION.
checking SUNWiqu 3.7,REV=2006.06.18.22.34
Checking pkg SUNWiqlpl... not present.
Checking pkg SUNWiqdoc... present but with a different pkg VERSION.
checking SUNWiqdoc 3.7,REV=2006.06.18.22.35
Checking pkg SUNWiquc... present but with a different pkg VERSION.
checking SUNWiquc 3.7,REV=2006.06.18.22.35

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Checking pkg SUNWiqum... present but with a different pkg VERSION.
checking SUNWiqum 3.7,REV=2006.06.18.22.35
Checking pkg SUNWiqjx... present but with a different pkg VERSION.
checking SUNWiqjx 3.7,REV=2006.06.18.22.35
Checking pkg SUNWiqfs... present but with a different pkg VERSION.
checking SUNWiqfs 3.7,REV=2006.06.18.22.35
Checking pkg SUNWiqcrt... present but with a different pkg VERSION.
checking SUNWiqcrt 3.7,REV=2006.06.18.22.35
Checking pkg SUNWiqcdv... present but with a different pkg VERSION.
checking SUNWiqcdv 3.7,REV=2006.06.18.22.35
Checking pkg SUNWiqqlen... present but with a different pkg VERSION.
checking SUNWiqqlen 3.7,REV=2006.06.18.22.35
NOTICE: Message Queue is present with a different pkg VERSION.
Checking MQ 4.1 ...
Checking pkg SUNWiqr... present but with a different pkg VERSION.
checking SUNWiqr 4.1,REV=2007.07.26.10.58
Checking pkg SUNWiqu... present but with a different pkg VERSION.
checking SUNWiqu 4.1,REV=2007.07.26.10.58
Checking pkg SUNWiqdoc... present but with a different pkg VERSION.
checking SUNWiqdoc 4.1,REV=2007.07.26.10.58
Checking pkg SUNWiquc... present but with a different pkg VERSION.
checking SUNWiquc 4.1,REV=2007.07.26.10.59
Checking pkg SUNWiqum... present but with a different pkg VERSION.
checking SUNWiqum 4.1,REV=2007.07.26.10.59
Checking pkg SUNWiqjx... present but with a different pkg VERSION.
checking SUNWiqjx 4.1,REV=2007.07.26.10.59
Checking pkg SUNWiqfs... present but with a different pkg VERSION.
checking SUNWiqfs 4.1,REV=2007.07.26.10.59
Checking pkg SUNWiqcrt... present but with a different pkg VERSION.
checking SUNWiqcrt 4.1,REV=2007.07.26.10.59
Checking pkg SUNWiqcdv... present but with a different pkg VERSION.
checking SUNWiqcdv 4.1,REV=2007.07.26.10.59
NOTICE: Message Queue is present with a different pkg VERSION.
Checking MQ 4.3 ...
Checking pkg SUNWiqr... present but with a different pkg VERSION.
checking SUNWiqr 4.3,REV=2008.11.07.18.44
Checking pkg SUNWiqu... present but with a different pkg VERSION.
checking SUNWiqu 4.3,REV=2008.11.07.18.44
Checking pkg SUNWiqdoc... present but with a different pkg VERSION.
checking SUNWiqdoc 4.3,REV=2008.11.07.18.44
Checking pkg SUNWiquc... present but with a different pkg VERSION.
checking SUNWiquc 4.3,REV=2008.11.07.18.44
Checking pkg SUNWiqum... present but with a different pkg VERSION.
checking SUNWiqum 4.3,REV=2008.11.07.18.44
Checking pkg SUNWiqjx... present but with a different pkg VERSION.
checking SUNWiqjx 4.3,REV=2008.11.07.18.44
Checking pkg SUNWiqfs... present but with a different pkg VERSION.
checking SUNWiqfs 4.3,REV=2008.11.07.18.44
Checking pkg SUNWiqcrt... present but with a different pkg VERSION.
checking SUNWiqcrt 4.3,REV=2008.11.07.18.44
Checking pkg SUNWiqcdv... present but with a different pkg VERSION.
checking SUNWiqcdv 4.3,REV=2008.11.07.18.44
Checking pkg SUNWiqqlen... present but with a different pkg VERSION.
checking SUNWiqqlen 4.3,REV=2008.11.07.18.45
NOTICE: Message Queue is present with a different pkg VERSION.
Checking MQ_L10N 4.4 ...

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Checking pkg SUNWfiqu...pkgparam -v SUNWfiqu 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:10'
PKGSAB=' /var/sadm/pkg/SUNWfiqu/save'
PKGINST='SUNWfiqu'
SUNW_LOC='fr'
SUNW_PKGLIST='SUNWfiqu'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWfiqu'
NAME='Sun GlassFish(tm) Message Queue /usr Package for French'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue /usr Package for French'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094214'
VERSION='4.4,REV=2009.10.01.09.42.14'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWfiquc...pkgparam -v SUNWfiquc 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:10'
PKGSAB=' /var/sadm/pkg/SUNWfiquc/save'
PKGINST='SUNWfiquc'
SUNW_LOC='fr'
SUNW_PKGLIST='SUNWfiquc'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'

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PKG='SUNWfiquc'
NAME='Sun GlassFish(tm) Message Queue Client Runtime Package for French'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue Client Runtime Package for French'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094216'
VERSION='4.4,REV=2009.10.01.09.42.16'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWdiqu...pkgparam -v SUNWdiqu 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:10'
PKGSAB=' /var/sadm/pkg/SUNWdiqu/save'
PKGINST='SUNWdiqu'
SUNW_LOC='de'
SUNW_PKGLIST='SUNWiqu'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWdiqu'
NAME='Sun GlassFish(tm) Message Queue /usr Package for German'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue /usr Package for German'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094259'
VERSION='4.4,REV=2009.10.01.09.42.59'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''

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LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWdiquc...pkgparam -v SUNWdiquc 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:10'
PKGSAB=' /var/sadm/pkg/SUNWdiquc/save'
PKGINST='SUNWdiquc'
SUNW_LOC='de'
SUNW_PKGLIST='SUNWdiquc'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWdiquc'
NAME='Sun GlassFish(tm) Message Queue Client Runtime Package for German'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue Client Runtime Package for German'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094303'
VERSION='4.4,REV=2009.10.01.09.43.03'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWjiqu...pkgparam -v SUNWjiqu 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:10'
PKGSAB=' /var/sadm/pkg/SUNWjiqu/save'
PKGINST='SUNWjiqu'
SUNW_LOC='ja,ja_JP.PCK,ja_JP.UTF-8'
SUNW_PKGLIST='SUNWjiqu'

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SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWjiqu'
NAME='Sun GlassFish(tm) Message Queue /usr Package for Japanese'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue /usr Package for Japanese'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094516'
VERSION='4.4,REV=2009.10.01.09.45.16'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWjiquc...pkgparam -v SUNWjiquc 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:10'
PKGSAB=' /var/sadm/pkg/SUNWjiquc/save'
PKGINST='SUNWjiquc'
SUNW_LOC='ja,ja_JP.PCK,ja_JP.UTF-8'
SUNW_PKGLIST='SUNWjiquc'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWjiquc'
NAME='Sun GlassFish(tm) Message Queue Client Runtime Package for
Japanese'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue Client Runtime Package for
Japanese'

```

```

COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094518'
VERSION='4.4, REV=2009.10.01.09.45.18'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWeiqu...pkgparam -v SUNWeiqu 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:10'
PKGSAB='/var/sadm/pkg/SUNWeiqu/save'
PKGINST='SUNWeiqu'
SUNW_LOC='es'
SUNW_PKGLIST='SUNWiqu'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWeiqu'
NAME='Sun GlassFish(tm) Message Queue /usr Package for Spanish'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue /usr Package for Spanish'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094344'
VERSION='4.4, REV=2009.10.01.09.43.44'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''

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```

-- Exit status: 0
present.
Checking pkg SUNWeiquc...pkgparam -v SUNWeiquc 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:10'
PKGSAB='/var/sadm/pkg/SUNWeiquc/save'
PKGINST='SUNWeiquc'
SUNW_LOC='es'
SUNW_PKGLIST='SUNWiuc'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWeiquc'
NAME='Sun GlassFish(tm) Message Queue Client Runtime Package for
Spanish'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue Client Runtime Package for
Spanish'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094347'
VERSION='4.4, REV=2009.10.01.09.43.47'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWkiqu...pkgparam -v SUNWkiqu 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:10'
PKGSAB='/var/sadm/pkg/SUNWkiqu/save'
PKGINST='SUNWkiqu'
SUNW_LOC='ko,ko.UTF-8'
SUNW_PKGLIST='SUNWiqu'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'

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SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWkiqu'
NAME='Sun GlassFish(tm) Message Queue /usr Package for Korean'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue /usr Package for Korean'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094430'
VERSION='4.4, REV=2009.10.01.09.44.30'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWkiquc...pkgparam -v SUNWkiquc 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:10'
PKGSAB=' /var/sadm/pkg/SUNWkiquc/save'
PKGINST='SUNWkiquc'
SUNW_LOC='ko,ko.UTF-8'
SUNW_PKGLIST='SUNWkiquc'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWkiquc'
NAME='Sun GlassFish(tm) Message Queue Client Runtime Package for Korean'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue Client Runtime Package for Korean'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094432'
VERSION='4.4, REV=2009.10.01.09.44.32'
OAMBASE='/usr/sadm/sysadm'

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PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWciqu...pkgparam -v SUNWciqu 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:10'
PKGSABV='/var/sadm/pkg/SUNWciqu/save'
PKGINST='SUNWciqu'
SUNW_LOC='zh,zh.GBK,zh_CN.GB18030,zh.UTF-8'
SUNW_PKGLIST='SUNWiqu'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWciqu'
NAME='Sun GlassFish(tm) Message Queue /usr Package for Simplified
Chinese'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue /usr Package for Simplified
Chinese'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094601'
VERSION='4.4,REV=2009.10.01.09.46.01'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWciquc...pkgparam -v SUNWciquc 2>&1
CLASSES='none'

```

```

BASEDIR='/'
INSTDATE='Nov 06 2013 01:10'
PKGSAB=' /var/sadm/pkg/SUNWciquc/save'
PKGINST='SUNWciquc'
SUNW_LOC='zh,zh.GBK,zh_CN.GB18030,zh.UTF-8'
SUNW_PKGLIST='SUNWiquc'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWciquc'
NAME='Sun GlassFish(tm) Message Queue Client Runtime Package for
Simplified Chinese'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue Client Runtime Package for
Simplified Chinese'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094603'
VERSION='4.4,REV=2009.10.01.09.46.03'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWhiqu...pkgparam -v SUNWhiqu 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:10'
PKGSAB=' /var/sadm/pkg/SUNWhiqu/save'
PKGINST='SUNWhiqu'
SUNW_LOC='zh_TW,zh_TW.BIG5,zh_TW.UTF-8'
SUNW_PKGLIST='SUNWiqu'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'

```

```

PKG='SUNWhiqu'
NAME='Sun GlassFish(tm) Message Queue /usr Package for Traditional
Chinese'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue /usr Package for Traditional
Chinese'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094648'
VERSION='4.4, REV=2009.10.01.09.46.48'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
Checking pkg SUNWhiquc...pkgparam -v SUNWhiquc 2>&1
CLASSES='none'
BASEDIR='/'
INSTDATE='Nov 06 2013 01:10'
PKGSABV='/var/sadm/pkg/SUNWhiquc/save'
PKGINST='SUNWhiquc'
SUNW_LOC='zh_TW, zh_TW.BIG5, zh_TW.UTF-8'
SUNW_PKGLIST='SUNWiquc'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PKG_ALLZONES='false'
SUNW_PKGTYPE='usr'
SUNW_PRODVERS='4.4.1.0'
VENDOR='Sun Microsystems, Inc.'
SUNW_PRODNAME='Sun GlassFish(tm) Message Queue'
SUNW_PKGVERS='1.0'
PKG='SUNWhiquc'
NAME='Sun GlassFish(tm) Message Queue Client Runtime Package for
Traditional Chinese'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Sun GlassFish(tm) Message Queue Client Runtime Package for
Traditional Chinese'
COMPANY='Sun'
CATEGORY='application'
ARCH='sparc'
PSTAMP='20091001094650'
VERSION='4.4, REV=2009.10.01.09.46.50'
OAMBASE='/usr/sadm/sysadm'

```

```

PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
MQ_L10N 4.4 is already present.
Checking MQ_L10N 3.7 ...
Checking pkg SUNWfiqu... present but with a different pkg VERSION.
checking SUNWfiqu 3.7,REV=2006.09.28.02.20.49
Checking pkg SUNWfiquc... present but with a different pkg VERSION.
checking SUNWfiquc 3.7,REV=2006.09.28.02.21.13
Checking pkg SUNWdiqu... present but with a different pkg VERSION.
checking SUNWdiqu 3.7,REV=2006.09.28.02.20.38
Checking pkg SUNWdiquc... present but with a different pkg VERSION.
checking SUNWdiquc 3.7,REV=2006.09.28.02.21.09
Checking pkg SUNWjiqu... present but with a different pkg VERSION.
checking SUNWjiqu 3.7,REV=2006.09.02.02.06.39
Checking pkg SUNWjiquc... present but with a different pkg VERSION.
checking SUNWjiquc 3.7,REV=2006.09.02.02.07.00
Checking pkg SUNWeiqu... present but with a different pkg VERSION.
checking SUNWeiqu 3.7,REV=2006.09.28.02.20.43
Checking pkg SUNWeiquc... present but with a different pkg VERSION.
checking SUNWeiquc 3.7,REV=2006.09.28.02.21.11
Checking pkg SUNWkiqu... present but with a different pkg VERSION.
checking SUNWkiqu 3.7,REV=2006.09.28.02.20.59
Checking pkg SUNWkiquc... present but with a different pkg VERSION.
checking SUNWkiquc 3.7,REV=2006.09.28.02.21.19
Checking pkg SUNWciqu... present but with a different pkg VERSION.
checking SUNWciqu 3.7,REV=2006.09.02.02.06.49
Checking pkg SUNWciquc... present but with a different pkg VERSION.
checking SUNWciquc 3.7,REV=2006.09.02.02.07.03
Checking pkg SUNWhiqu... present but with a different pkg VERSION.
checking SUNWhiqu 3.7,REV=2006.10.28.02.59.24
Checking pkg SUNWhiquc... present but with a different pkg VERSION.
checking SUNWhiquc 3.7,REV=2006.10.28.02.59.36
NOTICE: Message Queue Localization is present with a different pkg
VERSION.
Checking MQ_L10N 4.1 ...
Checking pkg SUNWfiqu... present but with a different pkg VERSION.
checking SUNWfiqu 4.1,REV=2007.08.02.12.38
Checking pkg SUNWfiquc... present but with a different pkg VERSION.
checking SUNWfiquc 4.1,REV=2007.08.02.12.38
Checking pkg SUNWdiqu... present but with a different pkg VERSION.
checking SUNWdiqu 4.1,REV=2007.08.02.12.38
Checking pkg SUNWdiquc... present but with a different pkg VERSION.
checking SUNWdiquc 4.1,REV=2007.08.02.12.38
Checking pkg SUNWjiqu... present but with a different pkg VERSION.
checking SUNWjiqu 4.1,REV=2007.08.02.12.38
Checking pkg SUNWjiquc... present but with a different pkg VERSION.

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checking SUNWjiquc 4.1,REV=2007.08.02.12.38
Checking pkg SUNWeiqu... present but with a different pkg VERSION.
checking SUNWeiqu 4.1,REV=2007.08.02.12.38
Checking pkg SUNWeiquc... present but with a different pkg VERSION.
checking SUNWeiquc 4.1,REV=2007.08.02.12.38
Checking pkg SUNWkiqu... present but with a different pkg VERSION.
checking SUNWkiqu 4.1,REV=2007.08.02.12.38
Checking pkg SUNWkiquc... present but with a different pkg VERSION.
checking SUNWkiquc 4.1,REV=2007.08.02.12.38
Checking pkg SUNWciqu... present but with a different pkg VERSION.
checking SUNWciqu 4.1,REV=2007.08.02.12.38
Checking pkg SUNWciquc... present but with a different pkg VERSION.
checking SUNWciquc 4.1,REV=2007.08.02.12.38
Checking pkg SUNWhiqu... present but with a different pkg VERSION.
checking SUNWhiqu 4.1,REV=2007.08.02.12.38
Checking pkg SUNWhiquc... present but with a different pkg VERSION.
checking SUNWhiquc 4.1,REV=2007.08.02.12.38
NOTICE: Message Queue Localization is present with a different pkg
VERSION.
Checking MQ_L10N 4.3 ...
Checking pkg SUNWfiqu... present but with a different pkg VERSION.
checking SUNWfiqu 4.3,REV=2008.10.27.08.57.02
Checking pkg SUNWfiquc... present but with a different pkg VERSION.
checking SUNWfiquc 4.3,REV=2008.10.27.08.57.05
Checking pkg SUNWdiqu... present but with a different pkg VERSION.
checking SUNWdiqu 4.3,REV=2008.10.27.08.57.55
Checking pkg SUNWdiquc... present but with a different pkg VERSION.
checking SUNWdiquc 4.3,REV=2008.10.27.08.57.58
Checking pkg SUNWjiqu... present but with a different pkg VERSION.
checking SUNWjiqu 4.3,REV=2008.10.27.09.00.27
Checking pkg SUNWjiquc... present but with a different pkg VERSION.
checking SUNWjiquc 4.3,REV=2008.10.27.09.00.28
Checking pkg SUNWeiqu... present but with a different pkg VERSION.
checking SUNWeiqu 4.3,REV=2008.10.27.08.58.45
Checking pkg SUNWeiquc... present but with a different pkg VERSION.
checking SUNWeiquc 4.3,REV=2008.10.27.08.58.48
Checking pkg SUNWkiqu... present but with a different pkg VERSION.
checking SUNWkiqu 4.3,REV=2008.10.27.08.59.36
Checking pkg SUNWkiquc... present but with a different pkg VERSION.
checking SUNWkiquc 4.3,REV=2008.10.27.08.59.38
Checking pkg SUNWciqu... present but with a different pkg VERSION.
checking SUNWciqu 4.3,REV=2008.10.27.09.01.18
Checking pkg SUNWciquc... present but with a different pkg VERSION.
checking SUNWciquc 4.3,REV=2008.10.27.09.01.19
Checking pkg SUNWhiqu... present but with a different pkg VERSION.
checking SUNWhiqu 4.3,REV=2008.10.27.09.02.09
Checking pkg SUNWhiquc... present but with a different pkg VERSION.
checking SUNWhiquc 4.3,REV=2008.10.27.09.02.10
NOTICE: Message Queue Localization is present with a different pkg
VERSION.
Checking LDAPJDK 4.21 ...
Checking pkg SUNWljdk... not present.
LDAPJDK 4.21 is not present.
Checking IMAPI 9.2 ...
Checking pkg SUNWiimdv...pkgparam -v SUNWiimdv 2>&1
CLASSES='none'

```

```

BASEDIR='/'
PATCH_INFO_148582-06='Installed: Fri Jun 27 16:05:44 PDT 2014 From: host
Obsoletes: Requires: Incompatibles:'
INSTDATE='Jun 27 2014 16:05'
PATCH_INFO_148582-04='Installed: Tue Oct 8 06:07:54 PDT 2013 From:
comms01-s10 Obsoletes: Requires: Incompatibles:'
PATCHLIST='148582-04 148582-05 148582-06'
UPDATE='yes'
PATCH_UNCONDITIONAL='false'
PATCH_NO_UNDO='false'
PATCH_BUILD_DIR='none'
PATCH_UNDO_ARCHIVE='none'
INTERRUPTION='no'
PATCH_INFO_148582-05='Installed: Wed Mar 26 11:10:47 PDT 2014 From: host
Obsoletes: Requires: Incompatibles:'
SCRIPTS_DIR='/export/user3/work/ci_tip/comms/comp/SunOS5.10_DBG.OBJ/release
Communications Instant Messaging API'
PRODUCT_NAME='Oracle Communications Instant Messaging'
EMAIL=''
HOTLINE='Please contact your local service provider'
VENDOR='Oracle Corporation'
DESC='Oracle Communications Instant Messaging and Presence APIs'
CATEGORY='application'
MAXINST='1001'
ARCH='sparc'
NAME='Oracle Communications Instant Messaging and Presence APIs'
PKG='SUNWiimdv'
VERSION='9.0,REV=2011.09.05'
SUNW_PATCHID='148582-06'
PSTAMP='sca00bkr20140625022807'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
PKG_CLIENT_REVISION='0'
PKG_CLIENT_VERSION='10'
PKG_CLIENT_OS='Solaris'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0
present.
IMAPI 9.2 is already present.
Checking IMAPI 7.0 ...
Checking pkg SUNWiimdv... present but with a different pkg VERSION.
checking SUNWiimdv 7.0,REV=2004.11.24.05.24.36
NOTICE: Instant Messaging API is present with a different pkg VERSION.
Checking IMAPI 7.3 ...
Checking pkg SUNWiimdv... present but with a different pkg VERSION.
checking SUNWiimdv 7.3,REV=2008.01.15
NOTICE: Instant Messaging API is present with a different pkg VERSION.
Checking IMAPI 8.0 ...

```

```

Checking pkg SUNWiimdv... present but with a different pkg VERSION.
checking SUNWiimdv 8.0,REV=2008.12.04
NOTICE: Instant Messaging API is present with a different pkg VERSION.
Checking CI 7.6 ...
Checking pkg SUNWcomms...pkgparam -v SUNWcomms 2>&1
CLASSES='none'
BASEDIR='/opt/sun/comms/CommsInstaller'
INSTDATE='Aug 08 2014 17:33'
PKGSAB=' /var/sadm/pkg/SUNWcomms/save'
PKGINST='SUNWcomms'
ARCH='sparc'
VERSION='7.6,REV=2014.07.01'
PKG='SUNWcomms'
NAME='Comms Installer'
MAXINST='1000'
CATEGORY='application'
DESC='Comms Installer'
VENDOR='Oracle Corporation'
HOTLINE='Please contact your local service provider'
EMAIL=''
SUNW_PKG_ALLZONES='false'
SUNW_PKG_HOLLOW='false'
SUNW_PKG_THISZONE='false'
SUNW_PRODNAME='CommsInstaller'
SUNW_PRODVERS='7.6-0.10'
SUNW_PKGVERS='1.0'
PSTAMP='sca00bkr20140701221058'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0

```

```

/net/comms-nfs.host1.example.com/export/megan/wspace/user1/releases/ci76/.
-v --installed '/opt/sun/comms/CommsInstaller' 2>&1
VERSION='7.6-0.10'
BUILDDATE='20140701'
UNAME='SunOS'
ARCH='sparc'
BITS='32'
ORCL_VERSION='7.0.6.0.0'
-- Exit status: 0

```

```

/opt/sun/comms/CommsInstaller/lib/getVersion -v 2>&1
VERSION='7.6-0.10'
BUILDDATE='20140701'
UNAME='SunOS'
ARCH='sparc'
BITS='32'

```

```

ORCL_VERSION='7.0.6.0.0'
-- Exit status: 0
INFO: CI /opt/sun/comms/CommsInstaller/lib/getVersion -v : returned 0
present.
CI 7.6 is already present.
Checking MS64 7.5 ...
Checking pkg SUNWmessaging-server-64...pkgparam -v
SUNWmessaging-server-64 2>&1
CLASSES='none'
BASEDIR='/opt/sun/comms/messaging64'
INSTDATE='Aug 08 2014 18:35'
PKGSABV='/var/sadm/pkg/SUNWmessaging-server-64/save'
PKGINST='SUNWmessaging-server-64'
PATCH_INFO_137204-29='Installed: Tuesday, July 9, 2013 07:20:48 PM PDT
From: sc11sbs008 Obsoletes: Requires: Incompatibles:'
PATCH_INFO_800255-01='Installed: Tuesday, July 9, 2013 07:20:48 PM PDT
From: sc11sbs008 Obsoletes: Requires: Incompatibles:'
PATCHLIST='800255-01 137204-29'
PSTAMP='sc11sbs00820130709192008'
VERSION='7.0,REV=2008.06.20'
VENDOR='Oracle Corporation'
SUNW_PRODVERS='7.5-29.01'
SUNW_PRODNAME='Oracle Communications Messaging Server'
SUNW_PKGVERS='1.0'
PKG='SUNWmessaging-server-64'
NAME='Messaging Server'
MAXINST='1000'
HOTLINE='Please contact your local service provider'
EMAIL=''
DESC='Messaging Server'
CATEGORY='application'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0

/net/comms-nfs.host1.example.com/export/megan/wspace/user1/releases/ci76/Su
-v --installed '/opt/sun/comms/messaging64' 2>&1
VERSION='7.5-29.01'
BUILDDATE='20130709'
UNAME='SunOS'
ARCH='sparc'
BITS='64'
ORCL_VERSION='7.0.5.29.0'
-- Exit status: 0

/opt/sun/comms/messaging64/lib/getVersion -v 2>&1

```

```

VERSION='7.5-29.01'
BUILDDATE='20130709'
UNAME='SunOS'
ARCH='sparc'
BITS='64'
ORCL_VERSION='7.0.5.29.0'
-- Exit status: 0
INFO: MS64 /opt/sun/comms/messaging64/lib/getVersion -v : returned 0
present.
MS64 7.5 is already present.
Checking MS64 6.3 ...
Checking pkg SUNWmessaging-server-64... present but with a different pkg
VERSION.
checking SUNWmessaging-server-64 6.3,REV=2007.02.26
NOTICE: Messaging Server (64bit) is present with a different pkg
VERSION.
Checking MS64 6.3_32 ...
Checking pkg SUNWmsgin... not present.
Checking pkg SUNWmsgen... not present.
Checking pkg SUNWmsglb... not present.
Checking pkg SUNWmsgco... not present.
Checking pkg SUNWmsgmt... not present.
Checking pkg SUNWmsgst... not present.
Checking pkg SUNWmsgmp... not present.
Checking pkg SUNWmsgwm... not present.
Checking pkg SUNWmsgmf... not present.
MS64 6.3_32 is not present.
Checking MS64 7.2_32 ...
Checking pkg SUNWmessaging-server... not present.
MS64 7.2_32 is not present.
Checking MS64 7.3_32 ...
MS64 7.3_32 is not present.
Checking MS64 7.5_32 ...
MS64 7.5_32 is not present.
Checking DSSETUP 6.4 ...
Checking pkg SUNWcomds...pkgparam -v SUNWcomds 2>&1
CLASSES='none'
BASEDIR='/opt/sun/comms/dssetup'
INSTDATE='Aug 08 2014 18:35'
PKGSAB=' /var/sadm/pkg/SUNWcomds/save'
PKGINST='SUNWcomds'
PATCH_INFO_118245-25='Installed: Thursday, September 12, 2013 02:00:40
PM PDT From: sc11sbs008 Obsoletes: Requires: 118242-02 Incompatibles:'
PATCH_INFO_118242-03='Installed: Thursday, September 12, 2013 02:00:39
PM PDT From: sc11sbs008 Obsoletes: Requires: Incompatibles:'
PATCHLIST='118242-03 118245-25'
VENDOR='Oracle Corporation'
SUNW_PRODVERS='6.4-25.02'
PSTAMP='sc11sbs00820130912135901'
NAME='Comm Servers DS Setup'
VERSION='6.3,REV=2004.08.12'
SUNW_PRODNAME='comm_dssetup'
SUNW_PKGVERS='1.0'
PKG='SUNWcomds'
MAXINST='1000'
HOTLINE='Please contact your local service provider'

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```

EMAIL=''
DESC='Comm Servers DS Setup'
CATEGORY='application'
ARCH='sparc'
OAMBASE='/usr/sadm/sysadm'
PATH='/sbin:/usr/sbin:/usr/bin:/usr/sadm/install/bin'
TZ='PST8PDT'
LANG='C'
LC_ALL=''
LC_MONETARY=''
LC_MESSAGES=''
LC_COLLATE=''
LC_TIME=''
LC_NUMERIC=''
LC_CTYPE=''
-- Exit status: 0

/net/comms-nfs.host1.example.com/export/megan/wspace/user1/releases/ci76/Su
-v --installed '/opt/sun/comms/dssetup' 2>&1
VERSION='6.4-25.02'
BUILDDATE='20130912'
UNAME='SunOS'
ARCH='sparc'
BITS='32'
ORCL_VERSION='6.4.0.25.0'
-- Exit status: 0

/opt/sun/comms/dssetup/lib/getVersion -v 2>&1
VERSION='6.4-25.02'
BUILDDATE='20130912'
UNAME='SunOS'
ARCH='sparc'
BITS='32'
ORCL_VERSION='6.4.0.25.0'
-- Exit status: 0
INFO: DSSETUP /opt/sun/comms/dssetup/lib/getVersion -v : returned 0
present.
DSSETUP 6.4 is already present.
Checking DAV 7.4 ...
Checking pkg SUNWdavserver... not present.
DAV 7.4 is not present.
Checking IM 9.2 ...
Checking pkg SUNWiimin... not present.
Checking pkg SUNWiim... not present.
Checking pkg SUNWiimm... not present.
Checking pkg SUNWiimjd... not present.
Checking pkg SUNWiimid... not present.
Checking pkg SUNWiimgw... not present.
Checking pkg SUNWiimw... not present.
Checking pkg SUNWiimfed... not present.
IM 9.2 is not present.
Checking IM 7.0 ...
Checking pkg SUNWiimin... not present.
Checking pkg SUNWiim... not present.
Checking pkg SUNWiimm... not present.
Checking pkg SUNWiimjd... not present.

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Checking pkg SUNWiimid... not present.
Checking pkg SUNWiimc... not present.
Checking pkg SUNWiimd... not present.
IM 7.0 is not present.
Checking IM 7.3 ...
Checking pkg SUNWiim... not present.
Checking pkg SUNWiimin... not present.
Checking pkg SUNWiimm... not present.
Checking pkg SUNWiimjd... not present.
Checking pkg SUNWiimid... not present.
Checking pkg SUNWiimc... not present.
Checking pkg SUNWiimd... not present.
IM 7.3 is not present.
Checking IM 8.3 ...
Checking pkg SUNWiim... not present.
Checking pkg SUNWiimin... not present.
Checking pkg SUNWiimm... not present.
Checking pkg SUNWiimjd... not present.
Checking pkg SUNWiimid... not present.
Checking pkg SUNWiimc... not present.
Checking pkg SUNWiimd... not present.
Checking pkg SUNWiimgw... not present.
IM 8.3 is not present.
Checking IWC 3.0 ...
Checking pkg SUNWiwc... not present.
IWC 3.0 is not present.
Checking IWC 1.0 ...
Checking pkg SUNWiwc... not present.
IWC 1.0 is not present.
Checking IWC 2.0 ...
Checking pkg SUNWiwc... not present.
IWC 2.0 is not present.
Checking JISS 1.5 ...
Checking pkg SUNWjiss... not present.
JISS 1.5 is not present.
Checking JISS 0.9 ...
Checking pkg SUNWjiss-common... not present.
Checking pkg SUNWjiss-conf... not present.
Checking pkg SUNWjiss-extjars... not present.
Checking pkg SUNWjiss-indexapi... not present.
Checking pkg SUNWjiss-jmqc... not present.
Checking pkg SUNWjiss-rest... not present.
Checking pkg SUNWjiss-search... not present.
Checking pkg SUNWjiss-searchui... not present.
Checking pkg SUNWjiss-store... not present.
Checking pkg SUNWjiss-storeui... not present.
JISS 0.9 is not present.
Checking DA 7.0 ...
Checking pkg SUNWcommda... not present.
DA 7.0 is not present.
Checking DA 6.4 ...
Checking pkg SUNWcomic... not present.
Checking pkg SUNWcomis... not present.
DA 6.4 is not present.
Checking MS_SCHA 7.0 ...
Checking pkg SUNWmessaging-server-scha... not present.

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MS_SCHA 7.0 is not present.
Checking MS_SCHA 6.0 ...
Checking pkg SUNWscims... not present.
MS_SCHA 6.0 is not present.
Checking IM_SCHA 7.3 ...
Checking pkg SUNWiimsc... not present.
IM_SCHA 7.3 is not present.
Checking IM_SCHA 7.0 ...
Checking pkg SUNWiimsc... not present.
IM_SCHA 7.0 is not present.
Checking MS 7.5_32 ...
MS 7.5_32 is not present.
Checking MS 6.3_32 ...
Checking pkg SUNWmsgin... not present.
Checking pkg SUNWmsgen... not present.
Checking pkg SUNWmsglb... not present.
Checking pkg SUNWmsgco... not present.
Checking pkg SUNWmsgmt... not present.
Checking pkg SUNWmsgst... not present.
Checking pkg SUNWmsgmp... not present.
Checking pkg SUNWmsgwm... not present.
Checking pkg SUNWmsgmf... not present.
MS 6.3_32 is not present.
Checking MS 7.2_32 ...
Checking pkg SUNWmessaging-server... not present.
MS 7.2_32 is not present.
Checking MS 7.3_32 ...
MS 7.3_32 is not present.
Checking NAB 8.0 ...
Checking pkg SUNWnabserver... not present.
NAB 8.0 is not present.
Checking MS_L10N 6.2 ...
Checking pkg SUNWmsgde... not present.
Checking pkg SUNWmsges... not present.
Checking pkg SUNWmsgfr... not present.
Checking pkg SUNWmsgja... not present.
Checking pkg SUNWmsgko... not present.
Checking pkg SUNWmsgzh... not present.
Checking pkg SUNWmsgtw... not present.
MS_L10N 6.2 is not present.
Checking MS_L10N 6.3 ...
Checking pkg SUNWmsg-l10n... not present.
MS_L10N 6.3 is not present.
Checking MS64_L10N 6.3 ...
Checking pkg SUNWmessaging-server-l10n-64... not present.
MS64_L10N 6.3 is not present.
Checking CS 6.3 ...
Checking pkg SUNWics5... not present.
Checking pkg SUNWica5... not present.
CS 6.3 is not present.
Checking CS_L10N 6.2 ...
Checking pkg SUNWdeics... not present.
Checking pkg SUNWesics... not present.
Checking pkg SUNWfrics... not present.
Checking pkg SUNWjaics... not present.
Checking pkg SUNWkoics... not present.

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Checking pkg SUNWzhics... not present.
Checking pkg SUNWtwics... not present.
CS_L10N 6.2 is not present.
Checking CS_L10N 6.3 ...
Checking pkg SUNWics-l10n... not present.
CS_L10N 6.3 is not present.
Checking IM_L10N 7.0 ...
Checking pkg SUNWdiimc... not present.
Checking pkg SUNWdiimd... not present.
Checking pkg SUNWdimid... not present.
Checking pkg SUNWeiimc... not present.
Checking pkg SUNWeiimd... not present.
Checking pkg SUNWeiimin... not present.
Checking pkg SUNWeimid... not present.
Checking pkg SUNWfiimc... not present.
Checking pkg SUNWfiimd... not present.
Checking pkg SUNWfiimin... not present.
Checking pkg SUNWfimid... not present.
Checking pkg SUNWjiimc... not present.
Checking pkg SUNWjiimd... not present.
Checking pkg SUNWjiimin... not present.
Checking pkg SUNWjimid... not present.
Checking pkg SUNWkiimc... not present.
Checking pkg SUNWkiimd... not present.
Checking pkg SUNWkiimin... not present.
Checking pkg SUNWkimid... not present.
Checking pkg SUNWciimc... not present.
Checking pkg SUNWciimd... not present.
Checking pkg SUNWciimin... not present.
Checking pkg SUNWcimid... not present.
Checking pkg SUNWhiimc... not present.
Checking pkg SUNWhiimd... not present.
Checking pkg SUNWhiimin... not present.
Checking pkg SUNWhimid... not present.
IM_L10N 7.0 is not present.
Checking IM_L10N 7.2 ...
Checking pkg SUNWiimc-l10n... not present.
Checking pkg SUNWiimd-l10n... not present.
Checking pkg SUNWiimid-l10n... not present.
Checking pkg SUNWiimin-l10n... not present.
IM_L10N 7.2 is not present.
Checking CE 6.3 ...
Checking pkg SUNWuwc... not present.
CE 6.3 is not present.
Checking CE_L10N 6.2 ...
Checking pkg SUNWduwc... not present.
Checking pkg SUNWeuwc... not present.
Checking pkg SUNWfuwc... not present.
Checking pkg SUNWjuwc... not present.
Checking pkg SUNWkuwc... not present.
Checking pkg SUNWcuwc... not present.
Checking pkg SUNWhuwc... not present.
CE_L10N 6.2 is not present.
Checking CE_L10N 6.3 ...
Checking pkg SUNWuwc-l10n... not present.
CE_L10N 6.3 is not present.

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Checking CS_SCHA 6.0 ...
Checking pkg SUNWscics... not present.
CS_SCHA 6.0 is not present.
Checking CS_SCHA 6.3 ...
Checking pkg SUNWscics... not present.
CS_SCHA 6.3 is not present.
Detecting Installed Patches...
-- chk4patch 119963-27 /tmp/.patchout_20140808183551.8885 LIBCPLUSPLUS
-- new_chk4patch 119963-27 for LIBCPLUSPLUS: using pkg: SUNWlibc
5.10,REV=2004.12.22
-- Exact match found in PATCHLIST
LIBCPLUSPLUS patch 119963-27 is already present.
-- chk4patch 120900-04 /tmp/.patchout_20140808183551.8885 PATCHUTILS
-- new_chk4patch 120900-04 for PATCHUTILS: using pkg: SUNWpkgcmdsdu
11.11,REV=2005.01.09.23.05
-- new_chk4patch 120900-04 for PATCHUTILS: using pkg: SUNWswmt
11.10,REV=2005.01.10.17.19
-- new_chk4patch 120900-04 for PATCHUTILS: using pkg:
SUNWinstall-patch-utils-root 11.10,REV=2005.01.09.23.05
-- new_chk4patch 120900-04 for PATCHUTILS: using pkg: SUNWcsr
11.10.0,REV=2005.01.21.15.53
-- Exact match found in PATCHLIST
PATCHUTILS patch 120900-04 is already present.
-- chk4patch 121133-02 /tmp/.patchout_20140808183551.8885 PATCHUTILS
-- new_chk4patch 121133-02 for PATCHUTILS: using pkg: SUNWpkgcmdsdu
11.11,REV=2005.01.09.23.05
-- new_chk4patch 121133-02 for PATCHUTILS: using pkg: SUNWswmt
11.10,REV=2005.01.10.17.19
-- new_chk4patch 121133-02 for PATCHUTILS: using pkg:
SUNWinstall-patch-utils-root 11.10,REV=2005.01.09.23.05
-- new_chk4patch 121133-02 for PATCHUTILS: using pkg: SUNWcsr
11.10.0,REV=2005.01.21.15.53
-- Exact match found in PATCHLIST
PATCHUTILS patch 121133-02 is already present.
-- chk4patch 119254-88 /tmp/.patchout_20140808183551.8885 PATCHUTILS
-- new_chk4patch 119254-88 for PATCHUTILS: using pkg: SUNWpkgcmdsdu
11.11,REV=2005.01.09.23.05
-- Exact match found in PATCHLIST
PATCHUTILS patch 119254-88 is already present.
-- chk4patch 126868-04 /tmp/.patchout_20140808183551.8885 BZIP
-- new_chk4patch 126868-04 for BZIP: using pkg: SUNWbzip
11.10.0,REV=2005.01.08.05.16
-- Exact match found in PATCHLIST
BZIP patch 126868-04 is already present.
-- chk4patch 137321-01 /tmp/.patchout_20140808183551.8885 BZIP
-- new_chk4patch 137321-01 for BZIP: using pkg: SUNWbzip
11.10.0,REV=2005.01.08.05.16
-- Exact match found in PATCHLIST
BZIP patch 137321-01 is already present.
-- chk4patch 119254-88 /tmp/.patchout_20140808183551.8885 RECOMMENDED
-- new_chk4patch 119254-88 for RECOMMENDED: using pkg: SUNWckr
11.10.0,REV=2005.01.21.15.53
-- new_chk4patch 119254-88 for RECOMMENDED: using pkg: SUNWbzip
11.10.0,REV=2005.01.08.05.16
-- new_chk4patch 119254-88 for RECOMMENDED: using pkg: SUNWpkgcmdsdu
11.11,REV=2005.01.09.23.05

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-- Exact match found in PATCHLIST
RECOMMENDED patch 119254-88 is already present.
-- chk4patch 120272-28 /tmp/.patchout_20140808183551.8885 RECOMMENDED
-- new_chk4patch 120272-28 for RECOMMENDED: using pkg: SUNWckr
11.10.0,REV=2005.01.21.15.53
-- new_chk4patch 120272-28 for RECOMMENDED: using pkg: SUNWbzip
11.10.0,REV=2005.01.08.05.16
--Newer version found 120272-31
RECOMMENDED patch 120272-28 is already present.
-- chk4patch 147147-26 /tmp/.patchout_20140808183551.8885 RECOMMENDED
-- new_chk4patch 147147-26 for RECOMMENDED: using pkg: SUNWckr
11.10.0,REV=2005.01.21.15.53
-- new_chk4patch 147147-26 for RECOMMENDED: using pkg: SUNWbzip
11.10.0,REV=2005.01.08.05.16
-- new_chk4patch 147147-26 for RECOMMENDED: using pkg: SUNWpkgcmdsu
11.11,REV=2005.01.09.23.05
RECOMMENDED patch 147147-26 is not present.
-- chk4patch 125358-15 /tmp/.patchout_20140808183551.8885 NSS
-- new_chk4patch 125358-15 for NSS: using pkg: SUNWpr
4.6.4,REV=2006.11.16.20.40
--Newer version found 125358-16
NSS patch 125358-15 is already present.
-- chk4patch 119345-08 /tmp/.patchout_20140808183551.8885 SASL
-- new_chk4patch 119345-08 for SASL: using pkg: SUNWsas1
2.17,REV=2004.04.06.15.24
-- Exact match found in PATCHLIST
SASL patch 119345-08 is already present.
-- chk4patch 136798-03 /tmp/.patchout_20140808183551.8885
LDAPCSKD6_TOOLS
-- new_chk4patch 136798-03 for LDAPCSKD6_TOOLS: using pkg:
SUNWldapcsdk-tools 6.00,REV=2006.12.11.00.08
-- Exact match found in PATCHLIST
LDAPCSKD6_TOOLS patch 136798-03 is already present.
-- chk4patch 119810-07 /tmp/.patchout_20140808183551.8885 ICU
-- new_chk4patch 119810-07 for ICU: using pkg: SUNWicu
1.2,REV=2005.01.06.14.13
-- Exact match found in PATCHLIST
ICU patch 119810-07 is already present.
-- chk4patch 125136-66 /tmp/.patchout_20140808183551.8885 JDK
-- new_chk4patch 125136-66 for JDK: using pkg: SUNWj6rt
1.6.0,REV=2006.11.29.05.57
-- new_chk4patch 125136-66 for JDK: using pkg: SUNWj6rtx
1.6.0,REV=2006.11.29.04.58
-- new_chk4patch 125136-66 for JDK: using pkg: SUNWj6dev
1.6.0,REV=2006.11.29.05.57
-- new_chk4patch 125136-66 for JDK: using pkg: SUNWj6dvx
1.6.0,REV=2006.11.29.04.58
-- new_chk4patch 125136-66 for JDK: using pkg: SUNWj6cfg
1.6.0,REV=2006.11.29.05.57
JDK patch 125136-66 is not present.
-- chk4patch 125137-66 /tmp/.patchout_20140808183551.8885 JDK
-- new_chk4patch 125137-66 for JDK: using pkg: SUNWj6rt
1.6.0,REV=2006.11.29.05.57
-- new_chk4patch 125137-66 for JDK: using pkg: SUNWj6rtx
1.6.0,REV=2006.11.29.04.58
-- new_chk4patch 125137-66 for JDK: using pkg: SUNWj6dev

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1.6.0,REV=2006.11.29.05.57
-- new_chk4patch 125137-66 for JDK: using pkg: SUNWj6dvx
1.6.0,REV=2006.11.29.04.58
-- new_chk4patch 125137-66 for JDK: using pkg: SUNWj6cfg
1.6.0,REV=2006.11.29.05.57
JDK patch 125137-66 is not present.
-- chk4patch 119725-06 /tmp/.patchout_20140808183551.8885 LDAPJDK
-- new_chk4patch 119725-06 for LDAPJDK: using pkg: SUNWljdk
1.0,REV=2004.10.11.06.02
-- INFO: No pkgparams for pkg SUNWljdk 1.0,REV=2004.10.11.06.02
LDAPJDK patch 119725-06 is not present.
-- chk4patch 148582-06 /tmp/.patchout_20140808183551.8885 IMAPI
-- new_chk4patch 148582-06 for IMAPI: using pkg: SUNWiimdv
9.0,REV=2011.09.05
-- Exact match found in PATCHLIST
IMAPI patch 148582-06 is already present.
-- chk4patch 137204-31 /tmp/.patchout_20140808183551.8885 MS64
-- new_chk4patch 137204-31 for MS64: using pkg: SUNWmessaging-server-64
7.0,REV=2008.06.20
MS64 patch 137204-31 is not present.
-- chk4patch 118242-03 /tmp/.patchout_20140808183551.8885 DSSETUP
-- new_chk4patch 118242-03 for DSSETUP: using pkg: SUNWcomds
6.3,REV=2004.08.12
-- Exact match found in PATCHLIST
DSSETUP patch 118242-03 is already present.
-- chk4patch 118245-26 /tmp/.patchout_20140808183551.8885 DSSETUP
-- new_chk4patch 118245-26 for DSSETUP: using pkg: SUNWcomds
6.3,REV=2004.08.12
DSSETUP patch 118245-26 is not present.
-- chk4patch 142785-15 /tmp/.patchout_20140808183551.8885 DAV
-- new_chk4patch 142785-15 for DAV: using pkg: SUNWdavserver
7.0,REV=2009.08.27
-- INFO: No pkgparams for pkg SUNWdavserver 7.0,REV=2009.08.27
DAV patch 142785-15 is not present.
-- chk4patch 148579-06 /tmp/.patchout_20140808183551.8885 IM
-- new_chk4patch 148579-06 for IM: using pkg: SUNWiimin
9.0,REV=2011.09.05
-- INFO: No pkgparams for pkg SUNWiimin 9.0,REV=2011.09.05
-- new_chk4patch 148579-06 for IM: using pkg: SUNWiim 9.0,REV=2011.09.05
-- INFO: No pkgparams for pkg SUNWiim 9.0,REV=2011.09.05
-- new_chk4patch 148579-06 for IM: using pkg: SUNWiimm
9.0,REV=2011.09.05
-- INFO: No pkgparams for pkg SUNWiimm 9.0,REV=2011.09.05
-- new_chk4patch 148579-06 for IM: using pkg: SUNWiimjd
9.0,REV=2011.09.05
-- INFO: No pkgparams for pkg SUNWiimjd 9.0,REV=2011.09.05
-- new_chk4patch 148579-06 for IM: using pkg: SUNWiimid
9.0,REV=2011.09.05
-- INFO: No pkgparams for pkg SUNWiimid 9.0,REV=2011.09.05
-- new_chk4patch 148579-06 for IM: using pkg: SUNWiimgw
9.0,REV=2011.09.05
-- INFO: No pkgparams for pkg SUNWiimgw 9.0,REV=2011.09.05
-- new_chk4patch 148579-06 for IM: using pkg: SUNWiimw
9.0,REV=2011.09.05
-- INFO: No pkgparams for pkg SUNWiimw 9.0,REV=2011.09.05
-- new_chk4patch 148579-06 for IM: using pkg: SUNWiimfed

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9.0,REV=2011.09.05
-- INFO: No pkgparams for pkg SUNWiimfed 9.0,REV=2011.09.05
IM patch 148579-06 is not present.
-- chk4patch 142824-22 /tmp/.patchout_20140808183551.8885 JISS
-- new_chk4patch 142824-22 for JISS: using pkg: SUNWjiss
1.0,REV=2009.09.09
-- INFO: No pkgparams for pkg SUNWjiss 1.0,REV=2009.09.09
JISS patch 142824-22 is not present.
-- chk4patch 124581-09 /tmp/.patchout_20140808183551.8885 DA
-- new_chk4patch 124581-09 for DA: using pkg: SUNWcommda
7.0,REV=2009.03.31
-- INFO: No pkgparams for pkg SUNWcommda 7.0,REV=2009.03.31
DA patch 124581-09 is not present.
-- chk4patch 137571-01 /tmp/.patchout_20140808183551.8885 IM_SCHA
-- new_chk4patch 137571-01 for IM_SCHA: using pkg: SUNWiimsc
7.3,REV=2008.01.07.20.24.34
-- INFO: No pkgparams for pkg SUNWiimsc 7.3,REV=2008.01.07.20.24.34
IM_SCHA patch 137571-01 is not present.
===== QQQ detectProducts =====
QQQ Dumper
!!! present
$VAR1 = {
  'IWC' => {
    '2.0' => 'NOT_PRESENT',
    '3.0' => 'NOT_PRESENT',
    '1.0' => 'NOT_PRESENT'
  },
  'SASL' => {
    '2.19' => 'PRESENT'
  },
  '119345-08' => 'PRESENT',
  'MS64_L10N' => {
    '6.3' => 'NOT_PRESENT'
  },
  '119725-06' => 'NOT_PRESENT',
  '119810-07' => 'PRESENT',
  'MS' => {
    '7.3_32' => 'NOT_PRESENT',
    '7.2_32' => 'NOT_PRESENT',
    '7.5_32' => 'NOT_PRESENT',
    '6.3_32' => 'NOT_PRESENT'
  },
  '137571-01' => 'NOT_PRESENT',
  '142785-15' => 'NOT_PRESENT',
  'DSSETUP' => {
    '6.4' => 'PRESENT'
  },
  '126868-04' => 'PRESENT',
  '119254-88' => 'PRESENT',
  '120900-04' => 'PRESENT',
  '119963-27' => 'PRESENT',
  'MQ_L10N' => {
    '4.3' => 'DIFF_VERSION',
    '3.7' => 'DIFF_VERSION',
    '4.1' => 'DIFF_VERSION',
    '4.4' => 'PRESENT'
  }
}

```

```

},
'ICU' => {
'ICU2,ICU3' => 'PRESENT'
},
'120272-28' => 'PRESENT',
'MS64' => {
'7.5' => 'PRESENT',
'7.3_32' => 'NOT_PRESENT',
'7.5_32' => 'NOT_PRESENT',
'7.2_32' => 'NOT_PRESENT',
'6.3' => 'DIFF_VERSION',
'6.3_32' => 'NOT_PRESENT'
},
'DAV' => {
'7.4' => 'NOT_PRESENT'
},
'LDAPCSDK6' => {
'6.0' => 'PRESENT'
},
'CE' => {
'6.3' => 'NOT_PRESENT'
},
'JDK' => {
'1.6.0' => 'PRESENT',
'1.5.0' => 'PRESENT'
},
'MYSQL' => {
'5.1.36' => 'NOT_PRESENT',
'5.5.8' => 'NOT_PRESENT'
},
'PATCHUTILS' => {
'Unknown' => 'PRESENT'
},
'MQ' => {
'4.3' => 'DIFF_VERSION',
'3.7' => 'DIFF_VERSION',
'4.1' => 'DIFF_VERSION',
'4.4' => 'PRESENT'
},
'124581-09' => 'NOT_PRESENT',
'125358-15' => 'PRESENT',
'CI' => {
'7.6' => 'PRESENT'
},
'IMAPI' => {
'8.0' => 'DIFF_VERSION',
'7.0' => 'DIFF_VERSION',
'7.3' => 'DIFF_VERSION',
'9.2' => 'PRESENT'
},
'137321-01' => 'PRESENT',
'LDAPCSDK6_TOOLS' => {
'6.0' => 'PRESENT'
},
'125136-66' => 'NOT_PRESENT',
'JISS' => {

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'0.9' => 'NOT_PRESENT',
'1.5' => 'NOT_PRESENT'
},
'NSS' => {
'4.8.9' => 'PRESENT'
},
'CS_L10N' => {
'6.2' => 'NOT_PRESENT',
'6.3' => 'NOT_PRESENT'
},
'ST' => {
'1.1.4' => 'PRESENT'
},
'IM' => {
'8.3' => 'NOT_PRESENT',
'7.0' => 'NOT_PRESENT',
'7.3' => 'NOT_PRESENT',
'9.2' => 'NOT_PRESENT'
},
'RECOMMENDED' => {
'2013.02.19' => 'PRESENT'
},
'137204-31' => 'NOT_PRESENT',
'IM_L10N' => {
'7.2' => 'NOT_PRESENT',
'7.0' => 'NOT_PRESENT'
},
'NAB' => {
'8.0' => 'NOT_PRESENT'
},
'136798-03' => 'PRESENT',
'125137-66' => 'NOT_PRESENT',
'148579-06' => 'NOT_PRESENT',
'148582-06' => 'PRESENT',
'CS_SCHA' => {
'6.0' => 'NOT_PRESENT',
'6.3' => 'NOT_PRESENT'
},
'LDAPJDK' => {
'4.21' => 'NOT_PRESENT'
},
'MYSQL_MARKER' => {
'1.1' => 'NOT_PRESENT',
'1.0' => 'NOT_PRESENT'
},
'BZIP' => {
'11.10' => 'PRESENT'
},
'142824-22' => 'NOT_PRESENT',
'IM_SCHA' => {
'7.0' => 'NOT_PRESENT',
'7.3' => 'NOT_PRESENT'
},
'MS_L10N' => {
'6.2' => 'NOT_PRESENT',
'6.3' => 'NOT_PRESENT'
}

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```

},
'118245-26' => 'NOT_PRESENT',
'LIBCPLUSPLUS' => {
'5.9' => 'PRESENT'
},
'121133-02' => 'PRESENT',
'118242-03' => 'PRESENT',
'MS_SCHA' => {
'6.0' => 'NOT_PRESENT',
'7.0' => 'NOT_PRESENT'
},
'147147-26' => 'NOT_PRESENT',
'CS' => {
'6.3' => 'NOT_PRESENT'
},
'JHRT' => {
'2.0' => 'PRESENT'
},
'CE_L10N' => {
'6.2' => 'NOT_PRESENT',
'6.3' => 'NOT_PRESENT'
},
'DA' => {
'6.4' => 'NOT_PRESENT',
'7.0' => 'NOT_PRESENT'
}
};
!!! pkgparams
$VAR1 = {
'SUNWica5' => {},
'SUNWmsgja' => {},
'SUNWcomic' => {},
'SUNWservicetagu' => {
'1.1.4,REV=2008.03.21.07.54' => [
'SUNWservicetagu',
'/',
'1.1.4.1',
'',
[],
[],
'1.1.4,REV=2008.03.21.07.54'
]
},
'SUNWnabserver' => {},
'SUNWjimid' => {},
'SUNWdiquc' => {
'4.4,REV=2009.10.01.09.43.03' => [
'SUNWdiquc',
'/',
'4.4.1.0',
'',
[],
[],
'4.4,REV=2009.10.01.09.43.03'
]
},

```



```

'SUNWmsgko' => {},
'SUNWics5' => {},
'SUNWmessaging-server-l10n-64' => {},
'SUNWiqlpl' => {},
'SUNWmsgco' => {},
'SUNWfiquc' => {
'4.4,REV=2009.10.01.09.42.16' => [
'SUNWfiquc',
'/',
'4.4.1.0',
'',
[],
[],
'4.4,REV=2009.10.01.09.42.16'
]
},
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'Not Found',
'Not Found',
'',
'Not Found'
],
},
'PATCHUTILS' => {
'Unknown' => [
'/',
'5.10',
'Not Found',
'Unknown',
'Not Found',
'Not Found',
'Not Found',
'',
'Not Found'
]
]

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},
'MQ' => {
'4.4' => [
'/',
'4.4.1.0',
'Not Found',
'4.4',
'Not Found',
'Not Found',
'Not Found',
'',
'Not Found'
]
},
'JHRT' => {
'2.0' => [
'/usr',
'2.0/FCS',
'Not Found',
'2.0',
'Not Found',
'Not Found',
'Not Found',
'',
'Not Found'
]
},
'IMAPI' => {
'9.2' => [
'/',
'9.2-06.7',
'Not Found',
'9u2',
'Not Found',
'Not Found',
'Not Found',
'',
'Not Found'
]
},
'CI' => {
'7.6' => [
'/opt/sun/comms/CommsInstaller',
'7.6-0.10',
'20140701',
'7u6',
'SunOS',
'sparc',
'32',
'',
'7.0.6.0.0'
]
},
'LDAPCSDK6_TOOLS' => {
'6.0' => [
'/opt/SUNWdsee',

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'6.03',
'Not Found',
'6.0',
'Not Found',
'Not Found',
'Not Found',
'',
'Not Found'
]
},
'NSS' => {
'4.8.9' => [
'/',
'4.9.5',
'Not Found',
'4.8.9',
'Not Found',
'Not Found',
'Not Found',
'',
'Not Found'
]
}
};
!!! pkglist detectProducts
$VAR1 = {
'IWC' => {
'2.0' => [
'SUNWiwc',
'2.0,REV=2010.07.26'
],
'3.0' => [
'SUNWiwc',
'3.0,REV=2014.06.30'
],
'1.0' => [
'SUNWiwc',
'1.0,REV=2008.07.07'
]
},
'SASL' => {
'2.19' => [
'SUNWsasl',
'2.17,REV=2004.04.06.15.24'
]
},
'MS64_L10N' => {
'6.3' => [
'SUNWmessaging-server-l10n-64',
'6.3,REV=2007.05.09'
]
},
'MS' => {
'7.3_32' => [],
'7.2_32' => [
'SUNWmessaging-server',

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'7.0,REV=2008.06.20'
],
'7.5_32' => [],
'6.3_32' => [
'SUNWmsgin',
'6.0,REV=2003.10.29',
'SUNWmsgen',
'6.0,REV=2003.10.29',
'SUNWmsglb',
'6.0,REV=2003.10.29',
'SUNWmsgco',
'6.0,REV=2003.10.29',
'SUNWmsgmt',
'6.0,REV=2003.10.29',
'SUNWmsgst',
'6.0,REV=2003.10.29',
'SUNWmsgmp',
'6.0,REV=2003.10.29',
'SUNWmsgwm',
'6.0,REV=2003.10.29',
'SUNWmsgmf',
'6.0,REV=2003.10.29'
]
},
'DSSETUP' => {
'6.4' => [
'SUNWcomds',
'6.3,REV=2004.08.12'
]
},
'MQ_L10N' => {
'4.3' => [
'SUNWfiqu',
'4.3,REV=2008.10.27.08.57.02',
'SUNWfiquc',
'4.3,REV=2008.10.27.08.57.05',
'SUNWdiqu',
'4.3,REV=2008.10.27.08.57.55',
'SUNWdiquc',
'4.3,REV=2008.10.27.08.57.58',
'SUNWjiqu',
'4.3,REV=2008.10.27.09.00.27',
'SUNWjiquc',
'4.3,REV=2008.10.27.09.00.28',
'SUNWeiQU',
'4.3,REV=2008.10.27.08.58.45',
'SUNWeiQUc',
'4.3,REV=2008.10.27.08.58.48',
'SUNWkiqu',
'4.3,REV=2008.10.27.08.59.36',
'SUNWkiquc',
'4.3,REV=2008.10.27.08.59.38',
'SUNWciQU',
'4.3,REV=2008.10.27.09.01.18',
'SUNWciQUc',
'4.3,REV=2008.10.27.09.01.19',

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'SUNWhiqu',
'4.3,REV=2008.10.27.09.02.09',
'SUNWhiquc',
'4.3,REV=2008.10.27.09.02.10'
],
'3.7' => [
'SUNWfiqu',
'3.7,REV=2006.09.28.02.20.49',
'SUNWfiquc',
'3.7,REV=2006.09.28.02.21.13',
'SUNWdiqu',
'3.7,REV=2006.09.28.02.20.38',
'SUNWdiquc',
'3.7,REV=2006.09.28.02.21.09',
'SUNWjiqu',
'3.7,REV=2006.09.02.02.06.39',
'SUNWjiquc',
'3.7,REV=2006.09.02.02.07.00',
'SUNWeiqu',
'3.7,REV=2006.09.28.02.20.43',
'SUNWeiquc',
'3.7,REV=2006.09.28.02.21.11',
'SUNWkiqu',
'3.7,REV=2006.09.28.02.20.59',
'SUNWkiquc',
'3.7,REV=2006.09.28.02.21.19',
'SUNWciqu',
'3.7,REV=2006.09.02.02.06.49',
'SUNWciquc',
'3.7,REV=2006.09.02.02.07.03',
'SUNWhiqu',
'3.7,REV=2006.10.28.02.59.24',
'SUNWhiquc',
'3.7,REV=2006.10.28.02.59.36'
],
'4.1' => [
'SUNWfiqu',
'4.1,REV=2007.08.02.12.38',
'SUNWfiquc',
'4.1,REV=2007.08.02.12.38',
'SUNWdiqu',
'4.1,REV=2007.08.02.12.38',
'SUNWdiquc',
'4.1,REV=2007.08.02.12.38',
'SUNWjiqu',
'4.1,REV=2007.08.02.12.38',
'SUNWjiquc',
'4.1,REV=2007.08.02.12.38',
'SUNWeiqu',
'4.1,REV=2007.08.02.12.38',
'SUNWeiquc',
'4.1,REV=2007.08.02.12.38',
'SUNWkiqu',
'4.1,REV=2007.08.02.12.38',
'SUNWkiquc',
'4.1,REV=2007.08.02.12.38',

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'SUNWciqu',
'4.1,REV=2007.08.02.12.38',
'SUNWciquc',
'4.1,REV=2007.08.02.12.38',
'SUNwhiqu',
'4.1,REV=2007.08.02.12.38',
'SUNwhiquc',
'4.1,REV=2007.08.02.12.38'
],
'4.4' => [
'SUNWfiqu',
'4.4,REV=2009.10.01.09.42.14',
'SUNWfiquc',
'4.4,REV=2009.10.01.09.42.16',
'SUNWdiqu',
'4.4,REV=2009.10.01.09.42.59',
'SUNWdiquc',
'4.4,REV=2009.10.01.09.43.03',
'SUNWjiqu',
'4.4,REV=2009.10.01.09.45.16',
'SUNWjiquc',
'4.4,REV=2009.10.01.09.45.18',
'SUNWeiQU',
'4.4,REV=2009.10.01.09.43.44',
'SUNWeiQUc',
'4.4,REV=2009.10.01.09.43.47',
'SUNWkiqu',
'4.4,REV=2009.10.01.09.44.30',
'SUNWkiquc',
'4.4,REV=2009.10.01.09.44.32',
'SUNWciqu',
'4.4,REV=2009.10.01.09.46.01',
'SUNWciquc',
'4.4,REV=2009.10.01.09.46.03',
'SUNWhiqu',
'4.4,REV=2009.10.01.09.46.48',
'SUNWhiquc',
'4.4,REV=2009.10.01.09.46.50'
]
},
'ICU' => {
'ICU2,ICU3' => [
'SUNWicu',
'1.2,REV=2005.01.06.14.13'
]
},
'MS64' => {
'7.5' => [
'SUNWmessaging-server-64',
'7.0,REV=2008.06.20'
],
'7.3_32' => [],
'7.5_32' => [],
'7.2_32' => [
'SUNWmessaging-server',
'7.0,REV=2008.06.20'
]
}

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],
'6.3' => [
'SUNWmessaging-server-64',
'6.3,REV=2007.02.26'
],
'6.3_32' => [
'SUNWmsgin',
'6.0,REV=2003.10.29',
'SUNWmsgen',
'6.0,REV=2003.10.29',
'SUNWmsglb',
'6.0,REV=2003.10.29',
'SUNWmsgco',
'6.0,REV=2003.10.29',
'SUNWmsgmt',
'6.0,REV=2003.10.29',
'SUNWmsgst',
'6.0,REV=2003.10.29',
'SUNWmsgmp',
'6.0,REV=2003.10.29',
'SUNWmsgwm',
'6.0,REV=2003.10.29',
'SUNWmsgmf',
'6.0,REV=2003.10.29'
]
},
'DAV' => {
'7.4' => [
'SUNWdavserver',
'7.0,REV=2009.08.27'
]
},
'LDAPCSDK6' => {
'6.0' => [
'SUNWldapcsdk-libs',
'6.00,REV=2006.12.11.00.08',
'SUNWldapcsdk-dev',
'6.00,REV=2006.12.11.00.08'
]
},
'CE' => {
'6.3' => [
'SUNWuwc',
'6.1,REV=2004.04.29'
]
},
'JDK' => {
'1.6.0' => [
'SUNWj6rt',
'1.6.0,REV=2006.11.29.05.57',
'SUNWj6rtx',
'1.6.0,REV=2006.11.29.04.58',
'SUNWj6dev',
'1.6.0,REV=2006.11.29.05.57',
'SUNWj6dvx',
'1.6.0,REV=2006.11.29.04.58',

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'SUNWj6cfg',
'1.6.0,REV=2006.11.29.05.57'
],
'1.5.0' => [
'SUNWj5rt',
'1.5.0,REV=2004.12.07.00.07',
'SUNWj5rtx',
'1.5.0,REV=2004.12.06.22.09',
'SUNWj5cfg',
'1.5.0,REV=2004.12.07.00.07'
]
},
'MYSQL' => {
'5.1.36' => [
'mysql',
'5.1.36'
],
'5.5.8' => [
'mysql',
'5.5.8'
]
},
'MQ' => {
'4.3' => [
'SUNWiqr',
'4.3,REV=2008.11.07.18.44',
'SUNWiqu',
'4.3,REV=2008.11.07.18.44',
'SUNWiqdoc',
'4.3,REV=2008.11.07.18.44',
'SUNWiquc',
'4.3,REV=2008.11.07.18.44',
'SUNWiqum',
'4.3,REV=2008.11.07.18.44',
'SUNWiqjx',
'4.3,REV=2008.11.07.18.44',
'SUNWiqfs',
'4.3,REV=2008.11.07.18.44',
'SUNWiqcrt',
'4.3,REV=2008.11.07.18.44',
'SUNWiqcdv',
'4.3,REV=2008.11.07.18.44',
'SUNWiqlen',
'4.3,REV=2008.11.07.18.45'
],
'3.7' => [
'SUNWiqr',
'3.7,REV=2006.06.18.22.34',
'SUNWiqu',
'3.7,REV=2006.06.18.22.34',
'SUNWiqtpl',
'3.7,REV=2006.06.18.22.35',
'SUNWiqdoc',
'3.7,REV=2006.06.18.22.35',
'SUNWiquc',
'3.7,REV=2006.06.18.22.35',

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'SUNWiqu',
'3.7,REV=2006.06.18.22.35',
'SUNWiqjx',
'3.7,REV=2006.06.18.22.35',
'SUNWiqfs',
'3.7,REV=2006.06.18.22.35',
'SUNWiqcrt',
'3.7,REV=2006.06.18.22.35',
'SUNWiqcdv',
'3.7,REV=2006.06.18.22.35',
'SUNWiqlen',
'3.7,REV=2006.06.18.22.35'
],
'4.1' => [
'SUNWiqr',
'4.1,REV=2007.07.26.10.58',
'SUNWiqu',
'4.1,REV=2007.07.26.10.58',
'SUNWiqdoc',
'4.1,REV=2007.07.26.10.58',
'SUNWiquc',
'4.1,REV=2007.07.26.10.59',
'SUNWiqu',
'4.1,REV=2007.07.26.10.59',
'SUNWiqjx',
'4.1,REV=2007.07.26.10.59',
'SUNWiqfs',
'4.1,REV=2007.07.26.10.59',
'SUNWiqcrt',
'4.1,REV=2007.07.26.10.59',
'SUNWiqcdv',
'4.1,REV=2007.07.26.10.59'
],
'4.4' => [
'SUNWiqr',
'4.4,REV=2009.08.27.08.32',
'SUNWiqu',
'4.4,REV=2009.08.27.08.32',
'SUNWiqdoc',
'4.4,REV=2009.08.27.08.32',
'SUNWiquc',
'4.4,REV=2009.08.27.08.33',
'SUNWiqu',
'4.4,REV=2009.08.27.08.33',
'SUNWiqjx',
'4.4,REV=2009.08.27.08.33',
'SUNWiqfs',
'4.4,REV=2009.08.27.08.33',
'SUNWiqcrt',
'4.4,REV=2009.08.27.08.33',
'SUNWiqcdv',
'4.4,REV=2009.08.27.08.33',
'SUNWiqlen',
'4.4,REV=2009.08.27.08.33'
]
},

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'PATCHUTILS' => {
'Unknown' => [
'SUNWpkgcmdsu',
'11.11,REV=2005.01.09.23.05',
'SUNWswmt',
'11.10,REV=2005.01.10.17.19',
'SUNWinstall-patch-utils-root',
'11.10,REV=2005.01.09.23.05',
'SUNWcsr',
'11.10.0,REV=2005.01.21.15.53',
'SUNWdtrc',
'11.10.0,REV=2005.01.21.15.53',
'SUNWzoneu',
'11.10.0,REV=2005.01.21.15.53'
],
},
'CI' => {
'7.6' => [
'SUNWcomms',
'7.6,REV=2014.07.01'
],
},
'IMAPI' => {
'8.0' => [
'SUNWiimdvd',
'8.0,REV=2008.12.04'
],
'7.0' => [
'SUNWiimdvd',
'7.0,REV=2004.11.24.05.24.36'
],
'7.3' => [
'SUNWiimdvd',
'7.3,REV=2008.01.15'
],
'9.2' => [
'SUNWiimdvd',
'9.0,REV=2011.09.05'
],
},
'LDAPCSDK6_TOOLS' => {
'6.0' => [
'SUNWldapcsdk-tools',
'6.00,REV=2006.12.11.00.08'
],
},
'JISS' => {
'0.9' => [
'SUNWjiss-common',
'1.0,REV=2009.08.17',
'SUNWjiss-conf',
'1.0,REV=2009.08.17',
'SUNWjiss-extjars',
'1.0,REV=2009.08.17',
'SUNWjiss-indexapi',
'1.0,REV=2009.08.17',

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'SUNWjiss-jmqc',
'1.0,REV=2009.08.17',
'SUNWjiss-rest',
'1.0,REV=2009.08.17',
'SUNWjiss-search',
'1.0,REV=2009.08.17',
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'1.0,REV=2009.08.17',
'SUNWjiss-store',
'1.0,REV=2009.08.17',
'SUNWjiss-storeui',
'1.0,REV=2009.08.17'
],
'1.5' => [
'SUNWjiss',
'1.0,REV=2009.09.09'
],
},
'NSS' => {
'4.8.9' => [
'SUNWpr',
'4.6.4,REV=2006.11.16.20.40',
'SUNWprd',
'4.6.4,REV=2006.11.16.20.40',
'SUNWtls',
'3.11.4,REV=2006.11.16.20.40',
'SUNWtlsd',
'3.11.4,REV=2006.11.16.20.40',
'SUNWtlsu',
'3.11.4,REV=2006.11.16.20.40',
'SUNWjss',
'4.2.4,REV=2006.11.16.20.40'
],
},
'CS_L10N' => {
'6.2' => [
'SUNWdeics',
'6.0,REV=2003.11.14.15.16.33',
'SUNWesics',
'6.0,REV=2003.11.14.15.16.33',
'SUNWfrics',
'6.0,REV=2003.11.14.15.16.33',
'SUNWjaics',
'6.0,REV=2003.11.14.15.16.33',
'SUNWkoics',
'6.0,REV=2003.11.14.15.16.33',
'SUNWzhics',
'6.0,REV=2003.11.14.15.16.33',
'SUNWtwics',
'6.0,REV=2003.11.14.15.16.33'
],
'6.3' => [
'SUNWics-l10n',
'6.3,REV=2007.01.05.03.20.27'
],
},

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'ST' => {
'1.1.4' => [
'SUNWservicetagr',
'1.1.4,REV=2008.03.21.07.54',
'SUNWservicetagu',
'1.1.4,REV=2008.03.21.07.54',
'SUNWstosreg',
'1.1.4,REV=2008.03.21.07.54'
]
},
'IM' => {
'8.3' => [
'SUNWiim',
'8.0,REV=2008.12.04',
'SUNWiimin',
'8.0,REV=2008.12.04',
'SUNWiimm',
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'SUNWiimjd',
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'SUNWiimid',
'8.0,REV=2008.12.04',
'SUNWiimc',
'8.0,REV=2008.12.04',
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],
'7.0' => [
'SUNWiimin',
'7.0,REV=2004.11.24.05.24.36',
'SUNWiim',
'7.0,REV=2004.11.24.05.24.36',
'SUNWiimm',
'7.0,REV=2004.11.24.05.24.36',
'SUNWiimjd',
'7.0,REV=2004.11.24.05.24.36',
'SUNWiimid',
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'SUNWiimc',
'7.0,REV=2004.11.24.05.24.36',
'SUNWiimd',
'7.0,REV=2004.11.24.05.24.36'
],
'7.3' => [
'SUNWiim',
'7.3,REV=2008.01.15',
'SUNWiimin',
'7.3,REV=2008.01.15',
'SUNWiimm',
'7.3,REV=2008.01.15',
'SUNWiimjd',
'7.3,REV=2008.01.15',
'SUNWiimid',
'7.3,REV=2008.01.15',

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'SUNWiimc',
'7.3,REV=2008.01.15',
'SUNWiimd',
'7.3,REV=2008.01.15'
],
'9.2' => [
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'SUNWiimjd',
'9.0,REV=2011.09.05',
'SUNWiimid',
'9.0,REV=2011.09.05',
'SUNWiimgw',
'9.0,REV=2011.09.05',
'SUNWiimw',
'9.0,REV=2011.09.05',
'SUNWiimfed',
'9.0,REV=2011.09.05'
]
},
'RECOMMENDED' => {
'2013.02.19' => [
'SUNWckr',
'11.10.0,REV=2005.01.21.15.53',
'SUNWbzip',
'11.10.0,REV=2005.01.08.05.16',
'SUNWpkgcmdsu',
'11.11,REV=2005.01.09.23.05'
]
},
'IM_L10N' => {
'7.2' => [
'SUNWiimc-l10n',
'7.2,REV=2006.12.19.04.40.00',
'SUNWiimd-l10n',
'7.2,REV=2006.10.26.04.19.15',
'SUNWiimid-l10n',
'7.2,REV=2006.10.26.04.19.19',
'SUNWiimin-l10n',
'7.2,REV=2006.10.26.04.19.22'
],
'7.0' => [
'SUNWdiimc',
'7.0,REV=2004.11.24.05.29',
'SUNWdiimd',
'7.0,REV=2004.11.24.05.29',
'SUNWdimid',
'7.0,REV=2004.11.24.05.29',
'SUNWeiimc',
'7.0,REV=2004.11.24.05.29',
'SUNWeiimd',
'7.0,REV=2004.11.24.05.29',

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'SUNWeiimin',
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'SUNWeimid',
'7.0,REV=2004.11.24.05.29',
'SUNWfiimc',
'7.0,REV=2004.11.24.05.30',
'SUNWfiimd',
'7.0,REV=2004.11.24.05.30',
'SUNWfiimin',
'7.0,REV=2004.11.24.05.30',
'SUNWfimid',
'7.0,REV=2004.11.24.05.30',
'SUNWjiimc',
'7.0,REV=2004.11.24.05.26',
'SUNWjiimd',
'7.0,REV=2004.11.24.05.26',
'SUNWjiimin',
'7.0,REV=2004.11.24.05.26',
'SUNWjimid',
'7.0,REV=2004.11.24.05.26',
'SUNWkiimc',
'7.0,REV=2004.11.24.05.26',
'SUNWkiimd',
'7.0,REV=2004.11.24.05.27',
'SUNWkiimin',
'7.0,REV=2004.11.24.05.26',
'SUNWkimid',
'7.0,REV=2004.11.24.05.27',
'SUNWciimc',
'7.0,REV=2004.11.24.05.27',
'SUNWciimd',
'7.0,REV=2004.11.24.05.27',
'SUNWciimin',
'7.0,REV=2004.11.24.05.27',
'SUNWcimid',
'7.0,REV=2004.11.24.05.27',
'SUNWhiimc',
'7.0,REV=2004.11.24.05.28',
'SUNWhiimd',
'7.0,REV=2004.11.24.05.28',
'SUNWhiimin',
'7.0,REV=2004.11.24.05.28',
'SUNWhimid',
'7.0,REV=2004.11.24.05.28'
]
},
'NAB' => {
'8.0' => [
'SUNwnabserver',
'8.0,REV=2014.05.22'
]
},
'CS_SCHA' => {
'6.0' => [
'SUNWscics',
'6.0,REV=2003.11.14'
]
}

```

```

],
'6.3' => [
'SUNWscics',
'6.3,REV=2008.03.31.18.10.20'
],
},
'LDAPJDK' => {
'4.21' => [
'SUNWljdk',
'1.0,REV=2004.10.11.06.02'
],
},
'BZIP' => {
'11.10' => [
'SUNWbzip',
'11.10.0,REV=2005.01.08.05.16'
],
},
'MYSQL_MARKER' => {
'1.1' => [
'SUNWcomms-mysql-marker',
'1.1,REV=2011.09.09'
],
'1.0' => [
'SUNWcomms-mysql-marker',
'1.0,REV=2009.09.09'
],
},
'IM_SCHA' => {
'7.0' => [
'SUNWiimsc',
'7.0,REV=2005.08.03.09.41.41'
],
'7.3' => [
'SUNWiimsc',
'7.3,REV=2008.01.07.20.24.34'
],
},
'MS_L10N' => {
'6.2' => [
'SUNWmsgde',
'6.0,REV=2003.10.10',
'SUNWmsges',
'6.0,REV=2003.10.10',
'SUNWmsgfr',
'6.0,REV=2003.10.10',
'SUNWmsgja',
'6.0,REV=2003.10.10',
'SUNWmsgko',
'6.0,REV=2003.10.10',
'SUNWmsgzh',
'6.0,REV=2003.10.10',
'SUNWmsgtw',
'6.0,REV=2003.10.10'
],
'6.3' => [

```

```

'SUNWmsg-l10n',
'6.3,REV=2006.12.20'
],
},
'LIBCPLUSPLUS' => {
'5.9' => [
'SUNWlibc',
'5.10,REV=2004.12.22'
],
},
'MS_SCHA' => {
'6.0' => [
'SUNWscims',
'6.0,REV=2003.10.29'
],
'7.0' => [
'SUNWmessaging-server-scha',
'7.0,REV=2008.05.19'
],
},
'CS' => {
'6.3' => [
'SUNWics5',
'6.0,REV=2003.11.14.18.12.58',
'SUNWica5',
'6.0,REV=2003.11.14.18.12.58'
],
},
'JHRT' => {
'2.0' => [
'SUNWjhrt',
'2.0,REV=2006.10.31',
'SUNWjhdev',
'2.0,REV=2006.10.04',
'SUNWjhdem',
'2.0,REV=2006.10.04',
'SUNWjhdoc',
'2.0,REV=2006.10.04'
],
},
'CE_L10N' => {
'6.2' => [
'SUNWduwc',
'6.1,REV=2004.04.23',
'SUNWeuwc',
'6.1,REV=2004.04.23',
'SUNWfuwc',
'6.1,REV=2004.04.23',
'SUNWjuwc',
'6.1,REV=2004.04.23',
'SUNWkuwc',
'6.1,REV=2004.04.23',
'SUNWcuwc',
'6.1,REV=2004.04.23',
'SUNWhuwc',
'6.1,REV=2004.04.23'
]
}

```

```

],
'6.3' => [
'SUNWuwc-l10n',
'6.1,REV=2006.12.14.03.02.41'
]
},
'DA' => {
'6.4' => [
'SUNWcomic',
'1.0,REV=2003.10.29',
'SUNWcomis',
'1.0,REV=2003.10.29'
],
'7.0' => [
'SUNWcommda',
'7.0,REV=2009.03.31'
]
}
};
===== End QQQ detectProducts =====
-- Checking for RECOMMENDED patch 119254-88
patch is PRESENT
-- Checking for RECOMMENDED patch 120272-28
patch is PRESENT
-- Checking for RECOMMENDED patch 147147-26
patch 147147-26: NOT_PRESENT
NOTICE: The OS Recommended Patch Cluster (as of 2013.02.19)
has not been applied. Specifically the following
patches are missing:
147147-26
NOTICE: You must apply the latest OS Recommended Patchset
Some products will not work properly without it
Do you want to continue ? [no] : yes
=====
INFO: isUpgradable MS64 7.5: 1
Cmd:
/net/comms-nfs.host1.example.com/export/megan/wspace/user1/releases/ci76/Su
7.5-29.01 /opt/sun/comms/messaging64 0
This version is upgradable to distro version (7.5-31.0)

INFO: isUpgradable DSSETUP 6.4: 1
Cmd:
/net/comms-nfs.host1.example.com/export/megan/wspace/user1/releases/ci76/Su
6.4-25.02 /opt/sun/comms/dssetup 0
This version is upgradable to distro version (6.4-26.01)

===== QQQ =====
QQQ Dumper
!!! isUpgradable
$VAR1 = {
'MS64' => {
'7.5' => {
'status' => '1'
}
},
'DSSETUP' => {

```

```

'6.4' => {
'status' => '1'
}
}
};
!!! usePkgUpgradeFlag
$VAR1 = {
'MS64' => {
'7.5' => 0
},
'DSSETUP' => {
'6.4' => 0
}
};
Product Selection:

Communication Products:

Item Description
-----
1 Messaging Server (64bit) 7.0.5.31.0
Installed Version 7.0.5.29.0 at /opt/sun/comms/messaging64
2 Comms DSsetup 6.4.0.26.0
Installed Version 6.4.0.25.0 at /opt/sun/comms/dssetup

Enter the items you wish to upgrade. Enter q to quit.
You can enter multiple items using commas to separate them.
For example: 1,2

Please select the products you wish to upgrade [1, 2]:
=====
QQQ selections: MS64 7.5 DSSETUP 6.4
INFO: sc_dependencies - PATCHUTILS ICU SASL LDAPCSDK6_TOOLS NSS
LDAPCSDK6 BZIP LIBCPLUSPLUS CI
Checking for Shared Component Upgrade Requirements...
=====
NOTICE: Upgrading Messaging Server (64bit) 7.0.5.29.0
to 7.0.5.31.0 at /opt/sun/comms/messaging64
Upgrade will be done by applying a patch
WILL INSTALL: patch 137204-31 for Messaging Server (64bit)
Task: patchadd
/net/comms-nfs.host1.example.com/export/megan/wspace/user1/releases/ci76/Su
Upgrading Comms DSsetup 6.4.0.25.0
to 6.4.0.26.0 at /opt/sun/comms/dssetup
Upgrade will be done by applying a patch
WILL INSTALL: patch 118245-26 for Comms DSsetup
Task: patchadd
/net/comms-nfs.host1.example.com/export/megan/wspace/user1/releases/ci76/Su
to upgrade

Do you want to continue ? [yes] :

=====
Upgrading Messaging Server (64bit) 7.0.5.29.0 at
/opt/sun/comms/messaging64...
-- INFO: TaskGroup Upgrade Start

```

```

----- Executing Task 1 of 4 ...
/net/comms-nfs.host1.example.com/export/megan/wspace/user1/releases/ci76/Su
7.5-29.01 /opt/sun/comms/messaging64 0 "137204-31" 2>&1
-- Exit status: 0
--
/net/comms-nfs.host1.example.com/export/megan/wspace/user1/releases/ci76/Su
7.5-29.01 /opt/sun/comms/messaging64 0 "137204-31"

=====
Installing patch 137204-31 for Messaging Server (64bit)...
----- Executing Task 2 of 4 ...
patchadd
/net/comms-nfs.host1.example.com/export/megan/wspace/user1/releases/ci76/Su
2>&1
Validating patches...

Loading patches installed on the system...

Done!

Loading patches requested to install.

Done!

Checking patches that you specified for installation.

Done!

Approved patches will be installed in this order:

137204-31

Checking installed patches...
Executing prepatch script...
-- Stopping Messaging Server...
Installing patch packages...

Patch 137204-31 has been successfully installed.
See /var/sadm/patch/137204-31/log for details
Executing postpatch script...
--
-- To generate updated config files, run
-- /opt/sun/comms/messaging64/bin/patch-config
/opt/sun/comms/messaging64/install/patch/137204-31
-- After that, to install the updated config files, run
-- /opt/sun/comms/messaging64/bin/install-newconfig -f
/opt/sun/comms/messaging64/install/patch/137204-31

Patch packages installed:
SUNWmessaging-server-64

-- Exit status: 0
----- Executing Task 3 of 4 ...
/net/comms-nfs.host1.example.com/export/megan/wspace/user1/releases/ci76/Su

```



```

7.5-29.01 /opt/sun/comms/messaging64 0 "137204-31" 2>&1
-- /opt/sun/comms/messaging64/bin/patch-config
/opt/sun/comms/messaging64/install/patch/137204-31
-- LOGFILE:
/opt/sun/comms/messaging64/install/patch/137204-31/patch-config_20140808183
New: /opt/sun/comms/messaging64/data/install/ugdir_diff.ldif
--
-- Number of new config files: 1
-- Number of config files to delete: 0
-- Number of config files with conflicts: 0
-- Number of config files that are images (gif png ico or jpg): 0
-- The list of new config files are in:
/opt/sun/comms/messaging64/install/patch/137204-31/newconfig.list
-- The list of config files to be deleted are in:
/opt/sun/comms/messaging64/install/patch/137204-31/delconfig.list

--
-- Please review the changes in the new config files before installing
them.
-- To install the updated config files, run
-- /opt/sun/comms/messaging64/bin/install-newconfig -f
/opt/sun/comms/messaging64/install/patch/137204-31

-- /opt/sun/comms/messaging64/bin/install-newconfig -f
/opt/sun/comms/messaging64/install/patch/137204-31
-- LOGFILE:
/opt/sun/comms/messaging64/install/patch/137204-31/install-newconfig_201408
Stopping services: /opt/sun/comms/messaging64/bin/stop-msg
/opt/sun/comms/messaging64/bin/stop-msg
Connecting to watcher ...
Warning: Cannot connect to watcher
job_controller server is not running
dispatcher server is not running
sched server is not running
http server is not running
pop server is not running
imap server is not running
purge server is not running
store server is not running
ens server is not running
copy
/opt/sun/comms/messaging64/install/patch/137204-31/save/data/install/ugdir_
/opt/sun/comms/messaging64/data/install/ugdir_diff.ldif
-- Number of different files: 1
-- Number of deleted files: 0
-- Original files are backed up under
/opt/sun/comms/messaging64/install/patch/137204-31/config_20140808183732
-- The final step is to apply the ldif file
-- /opt/sun/comms/messaging64/data/install/ugdir_diff.ldif
-- to the user/group Directory
-- This is not performed automatically, you must do this manually
-- /opt/sun/comms/messaging64/lib/updateCfgVersion
-- config VERSION (7.5-29.01 20130709)
is older than binaries 7.0.5.31.0 (7.5-31.0 20140505)
LOGFILE =
/opt/sun/comms/messaging64/log/updateCfgVersion_20140808183735.log

```

```

-- Running stored -R
-- Running imsimta cleandb
-- updating /opt/sun/comms/messaging64/data/install/VERSION
-- Exit status: 0
--
/net/comms-nfs.host1.example.com/export/megan/wspace/user1/releases/ci76/Su
7.5-29.01 /opt/sun/comms/messaging64 0 "137204-31"
-- /opt/sun/comms/messaging64/bin/patch-config
/opt/sun/comms/messaging64/install/patch/137204-31
-- LOGFILE:
/opt/sun/comms/messaging64/install/patch/137204-31/patch-config_20140808183
New: /opt/sun/comms/messaging64/data/install/ugdir_diff.ldif
--
-- Number of new config files: 1
-- Number of config files to delete: 0
-- Number of config files with conflicts: 0
-- Number of config files that are images (gif png ico or jpg): 0
-- The list of new config files are in:
/opt/sun/comms/messaging64/install/patch/137204-31/newconfig.list
-- The list of config files to be deleted are in:
/opt/sun/comms/messaging64/install/patch/137204-31/delconfig.list

--
-- Please review the changes in the new config files before installing
them.
-- To install the updated config files, run
-- /opt/sun/comms/messaging64/bin/install-newconfig -f
/opt/sun/comms/messaging64/install/patch/137204-31

-- /opt/sun/comms/messaging64/bin/install-newconfig -f
/opt/sun/comms/messaging64/install/patch/137204-31
-- LOGFILE:
/opt/sun/comms/messaging64/install/patch/137204-31/install-newconfig_201408
Stopping services: /opt/sun/comms/messaging64/bin/stop-msg
/opt/sun/comms/messaging64/bin/stop-msg
Connecting to watcher ...
Warning: Cannot connect to watcher
job_controller server is not running
dispatcher server is not running
sched server is not running
http server is not running
pop server is not running
imap server is not running
purge server is not running
store server is not running
ens server is not running
copy
/opt/sun/comms/messaging64/install/patch/137204-31/save/data/install/ugdir_
/opt/sun/comms/messaging64/data/install/ugdir_diff.ldif
-- Number of different files: 1
-- Number of deleted files: 0
-- Original files are backed up under
/opt/sun/comms/messaging64/install/patch/137204-31/config_20140808183732
-- The final step is to apply the ldif file
-- /opt/sun/comms/messaging64/data/install/ugdir_diff.ldif
-- to the user/group Directory

```

```

-- This is not performed automatically, you must do this manually
-- /opt/sun/comms/messaging64/lib/updateCfgVersion
-- config VERSION (7.5-29.01 20130709)
is older than binaries 7.0.5.31.0 (7.5-31.0 20140505)
LOGFILE =
/opt/sun/comms/messaging64/log/updateCfgVersion_20140808183735.log
-- Running stored -R
-- Running imsimta cleandb
-- updating /opt/sun/comms/messaging64/data/install/VERSION
-- INFO: TaskGroup Upgrade End
=====
Done Upgrading Messaging Server (64bit) to 7.0.5.31.0 at
/opt/sun/comms/messaging64

=====
Upgrading Comms DSsetup 6.4.0.25.0 at /opt/sun/comms/dssetup...
-- INFO: TaskGroup Upgrade Start

=====
Installing patch 118245-26 for Comms DSsetup...
----- Executing Task 4 of 4 ...
patchadd
/net/comms-nfs.host1.example.com/export/megan/wspace/user1/releases/ci76/Su
2>&1
Validating patches...

Loading patches installed on the system...

Done!

Loading patches requested to install.

Done!

Checking patches that you specified for installation.

Done!

Approved patches will be installed in this order:

118245-26

Checking installed patches...
Executing prepatch script...
Installing patch packages...

Patch 118245-26 has been successfully installed.
See /var/sadm/patch/118245-26/log for details
Executing postpatch script...

Patch packages installed:
SUNWcomds

-- Exit status: 0

```

```
-- INFO: TaskGroup Upgrade End
=====
Done Upgrading Comms DSsetup to 6.4.0.26.0 at /opt/sun/comms/dssetup
-----
SUMMARY:

PASSED: Task 1: preupgrade
/net/comms-nfs.host1.example.com/export/megan/wspace/user1/releases/ci76/Su
7.5-29.01 /opt/sun/comms/messaging64 0 "137204-31"
PASSED: Task 2: patchadd
/net/comms-nfs.host1.example.com/export/megan/wspace/user1/releases/ci76/Su
Task 3: postupgrade
/net/comms-nfs.host1.example.com/export/megan/wspace/user1/releases/ci76/Su
7.5-29.01 /opt/sun/comms/messaging64 0 "137204-31"
-- Output of Task 3: postupgrade
/net/comms-nfs.host1.example.com/export/megan/wspace/user1/releases/ci76/Su
7.5-29.01 /opt/sun/comms/messaging64 0 "137204-31"
-- /opt/sun/comms/messaging64/bin/patch-config
/opt/sun/comms/messaging64/install/patch/137204-31
-- LOGFILE:
/opt/sun/comms/messaging64/install/patch/137204-31/patch-config_20140808183
New: /opt/sun/comms/messaging64/data/install/ugdir_diff.ldif
--
-- Number of new config files: 1
-- Number of config files to delete: 0
-- Number of config files with conflicts: 0
-- Number of config files that are images (gif png ico or jpg): 0
-- The list of new config files are in:
/opt/sun/comms/messaging64/install/patch/137204-31/newconfig.list
-- The list of config files to be deleted are in:
/opt/sun/comms/messaging64/install/patch/137204-31/delconfig.list

--
-- Please review the changes in the new config files before installing
them.
-- To install the updated config files, run
-- /opt/sun/comms/messaging64/bin/install-newconfig -f
/opt/sun/comms/messaging64/install/patch/137204-31

-- /opt/sun/comms/messaging64/bin/install-newconfig -f
/opt/sun/comms/messaging64/install/patch/137204-31
-- LOGFILE:
/opt/sun/comms/messaging64/install/patch/137204-31/install-newconfig_201408
Stopping services: /opt/sun/comms/messaging64/bin/stop-msg
/opt/sun/comms/messaging64/bin/stop-msg
Connecting to watcher ...
Warning: Cannot connect to watcher
job_controller server is not running
dispatcher server is not running
sched server is not running
http server is not running
pop server is not running
imap server is not running
purge server is not running
store server is not running
ens server is not running
```

```

copy
/opt/sun/comms/messaging64/install/patch/137204-31/save/data/install/ugdir_
/opt/sun/comms/messaging64/data/install/ugdir_diff.ldif
-- Number of different files: 1
-- Number of deleted files: 0
-- Original files are backed up under
/opt/sun/comms/messaging64/install/patch/137204-31/config_20140808183732
-- The final step is to apply the ldif file
-- /opt/sun/comms/messaging64/data/install/ugdir_diff.ldif
-- to the user/group Directory
-- This is not performed automatically, you must do this manually
-- /opt/sun/comms/messaging64/lib/updateCfgVersion
-- config VERSION (7.5-29.01 20130709)
is older than binaries 7.0.5.31.0 (7.5-31.0 20140505)
LOGFILE =
/opt/sun/comms/messaging64/log/updateCfgVersion_20140808183735.log
-- Running stored -R
-- Running imsimta cleandb
-- updating /opt/sun/comms/messaging64/data/install/VERSION
-- End of command output--
PASSED: Task 4: patchadd
/net/comms-nfs.host1.example.com/export/megan/wspace/user1/releases/ci76/Su
tasks PASSED
Checking JES java symlink...
ls -l /usr/jdk /usr/java 2>&1
lrwxrwxrwx 1 root other 15 Nov 6 2013 /usr/java -> jdk/jdk1.6.0_26

/usr/jdk:
total 10
drwxr-xr-x 4 root bin 4 Jun 12 2012 instances
lrwxrwxrwx 1 root other 7 Jun 12 2012 j2sdk1.4.2_32 -> ../j2se
lrwxrwxrwx 1 root other 18 Feb 26 2013 jdk1.5.0_12 -> instances/jdk1.5.0
lrwxrwxrwx 1 root other 18 Nov 6 2013 jdk1.6.0_26 -> instances/jdk1.6.0
lrwxrwxrwx 1 root other 11 Nov 6 2013 latest -> jdk1.6.0_26
drwxr-xr-x 8 root bin 8 Nov 6 2013 packages
-- Exit status: 0
ls -l /usr/jdk/entsys-j2se /usr/jdk/latest 2>&1
/usr/jdk/entsys-j2se: No such file or directory
lrwxrwxrwx 1 root other 11 Nov 6 2013 /usr/jdk/latest -> jdk1.6.0_26
-- Exit status: 2
ls -lL /usr/jdk/entsys-j2se /usr/jdk/latest 2>&1
/usr/jdk/entsys-j2se: No such file or directory
/usr/jdk/latest:
total 38080
-rw-r--r-- 1 root bin 3339 May 4 2011 COPYRIGHT
-rw-r--r-- 1 root bin 40 May 4 2011 LICENSE
-rw-r--r-- 1 root bin 115 May 4 2011 README.html
-rw-r--r-- 1 root bin 20320 Nov 29 2006 README_ja.html
-rw-r--r-- 1 root bin 15160 Nov 29 2006 README_zh_CN.html
-rw-r--r-- 1 root bin 183173 May 4 2011 THIRDPARTYLICENSEREADME.txt
drwxr-xr-x 3 root bin 49 Nov 6 2013 bin
drwxr-xr-x 11 root bin 12 Jun 12 2012 demo
drwxr-xr-x 3 root bin 8 Nov 6 2013 include
drwxr-xr-x 6 root bin 11 Nov 6 2013 jre
drwxr-xr-x 3 root bin 11 Nov 6 2013 lib
drwxr-xr-x 6 root bin 6 Jun 12 2012 man

```

```

-r--r--r-- 1 root other 6646 Nov 6 2013 register.html
-r--r--r-- 1 root other 8092 Nov 6 2013 register_ja.html
-r--r--r-- 1 root other 6249 Nov 6 2013 register_zh_CN.html
drwxr-xr-x 10 root bin 10 Jun 12 2012 sample
-rw-r--r-- 1 root bin 19103364 May 4 2011 src.zip
-- Exit status: 2
INFO: no update to /etc/softlist.xml required

Hit Return to Continue:
=====
-- unlink /tmp/.patchout_20140808183551.8885
mkdir -p /var/opt/CommsInstaller/logs 2>&1
-- Exit status: 0

NOTICE: silent file created in:
/var/opt/CommsInstaller/logs/silent_CommsInstaller_20140808183551
-- Closing the log at Fri Aug 8 18:39:44 2014
[623 Fri Aug 08 18:40:13 root@host% /home/user/wspace/releases/ci76# ]
# ./commpkg info
-- LOGFILE: /tmp/CommsInstaller_20140808184018.log
CommsInstaller version 7.0.6.0.0 (7.6-0.10) built on Tue Jul 1 21:57:57
PDT 2014
=====
Detecting Installed Products...
Detecting Installed Patches...
NOTICE: The OS Recommended Patch Cluster (as of 2013.02.19)
has not been applied. Specifically the following
patches are missing:
147147-26
NOTICE: It is highly recommended that you apply the
latest OS Recommended Patch Cluster. compkg will
not do this automatically.
ALTR00T: /
NAME: ""
Product: Messaging Server (64bit) 7u5 64bit
Oracle Version: 7.0.5.31.0
Version: 7.5-31.0
ALTR00T: /
Basedir: /opt/sun/comms/messaging64
Build Date: 20140505
Product: Comms DSsetup 6.4
Oracle Version: 6.4.0.26.0
Version: 6.4-26.01
ALTR00T: /
Basedir: /opt/sun/comms/dssetup
Build Date: 20140418

[624 Fri Aug 08 18:40:27 root@host% /home/user/wspace/releases/ci76# ]
# ./commpkg info --verbose
-- LOGFILE: /tmp/CommsInstaller_20140808184034.log
CommsInstaller version 7.0.6.0.0 (7.6-0.10) built on Tue Jul 1 21:57:57
PDT 2014
=====
Detecting Installed Products...
Detecting Installed Patches...
NOTICE: The OS Recommended Patch Cluster (as of 2013.02.19)

```

has not been applied. Specifically the following patches are missing:
147147-26
NOTICE: It is highly recommended that you apply the latest OS Recommended Patch Cluster. commpkg will not do this automatically.
ALTR00T: /
NAME: ""
Product: Messaging Server (64bit) 7u5 64bit
Oracle Version: 7.0.5.31.0
Version: 7.5-31.0
ALTR00T: /
Basedir: /opt/sun/comms/messaging64
Build Date: 20140505
getVersion UNAME: SunOS
getVersion ARCH: sparc
getVersion BITS: 64
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWmessaging-server-64 7.0,REV=2008.06.20 7.5-31.0
Patch Status/ID:
PRESENT 137204-31
Product: Comms DSsetup 6.4
Oracle Version: 6.4.0.26.0
Version: 6.4-26.01
ALTR00T: /
Basedir: /opt/sun/comms/dssetup
Build Date: 20140418
getVersion UNAME: SunOS
getVersion ARCH: sparc
getVersion BITS: 32
Product Installation Status: PRESENT
Package Status/Name/Version/SUNW_PRODVERS:
PRESENT SUNWcomds 6.3,REV=2004.08.12 6.4-26.01
Patch Status/ID:
PRESENT 118242-03
PRESENT 118245-26

```
[625 Fri Aug 08 18:40:43 root@host% /home/user/wspace/releases/ci76# ]
```


Communications Suite 7.0.6 Upgrade in Silent Mode

Communications Suite 7.0.6 Upgrade in Silent Mode

When you run the installer to upgrade in *silent mode*, you are running a non-interactive session. The upgrade inputs are taken from the following sources:

- A silent installation file (also known as a state file)
- Command-line arguments
- Default settings

You can use silent mode to upgrade multiple instances of the same software component and configuration without having to manually run an interactive upgrade for each instance.

Topics:

- [To Run a Communications Suite Silent Upgrade](#)
- [About Upgrading Shared Components](#)

To Run a Communications Suite Silent Upgrade

1. Obtain the state file by one of the following two means.
 - Run an interactive upgrade session and use the state file that is created in the `/var/opt/CommsInstaller/logs/` directory. The state file name is similar to `silent_CommsInstaller_20070501135358`. A state file is automatically created for every run of the installation.
 - Create a silent state file without actually installing the software during the interactive session by using the `--dry-run` option, then modifying the state file.For example:

```
# commpkg upgrade --dry-run
```

2. Copy the state file to each host and edit the file as needed.
See [Silent Mode File Format](#).
3. Run the silent installation on each host.
For example:

```
# commpkg upgrade --silent <Input File>
```

where *Input File* is the path and name of the silent state file, for example `/var/opt/CommsInstaller/logs/silent_CommsInstaller_20070501135358`.
For details about the `--silent` option, see the silent installation usage in [commpkg upgrade usage](#).



Note

Command-line arguments override the values and arguments in the state file.

**Note**

If you specify *None* for the silent file, then defaults are used for the property values.

About Upgrading Shared Components

By default, shared components are not upgraded when you run a silent upgrade. The option to upgrade shared components in the silent state file is automatically disabled. That is, the option is set to `UPGRADESC=No`. This is true *even* if you explicitly asked to upgrade shared components when you ran the interactive upgrade that generated the silent state file. That is, you ran `commpkg upgrade - -upgradeSC y`.

Disabling upgrading shared components in the silent state file is done because the other hosts on which you are propagating the upgrade might have different shared components installed, or different versions of the shared components. Therefore, it is safer to not upgrade the shared components by default.

You can upgrade shared components when you run a silent upgrade by performing either of the following actions:

- Use the `- -upgradeSC y` option when you run the silent upgrade. (The command-line argument overrides the argument in the state file.)
- Edit the `UPGRADESC=No` option in the silent state file to: `UPGRADESC=Yes`.

Silent Mode File Format

The silent mode file (also known as a state file) is formatted like a property file: comment lines begin with a number sign (#) and properties are key/value pairs separated by an equals (=) sign. You can change the following parameters:

Silent Mode File Parameters

Parameter	Description	Example
VERB	Indicates which function to perform. You can add CLI arguments described in commpkg usage , however the <code>- - -dry-run</code> argument cannot be added to the <code>install</code> function in the state file.	<code>VERB=upgrade</code>
ALTDISTROPATH	Indicates an alternate distro path if <code>- -distro</code> is not specified.	<code>ALTDISTROPATH=SunOS5.10_i86pc_DBG.OBJ/release</code>

PKGOVERWRITE	Forces the overwriting of the existing installation packages even if patches are available to do the upgrade. See the --pkgOverwrite option to compkg upgrade	PKGOVERWRITE=YES
INSTALLROOT	Specifies installation root. See the --installroot option to compkg upgrade	INSTALLROOT=/opt/sun/comms
ALTRoot	Specifies an alternate root.	ALTRoot=yes
EXCLUDEOS	Specifies to not upgrade operating system patches. See the --excludeOS option to compkg upgrade	EXCLUDEOS=YES
EXCLUDESC	Specifies to exclude shared component patches. See the --excludeSC option to compkg upgrade	EXCLUDESC=no
COMPONENTS	Lists the components you want to upgrade. See the --components option to compkg upgrade	COMPONENTS=MS64 to specify 64-bit Messaging Server
UPGRADESC	Indicates whether all shared components should or should not be upgraded without prompting. See the --upgradeSC option to compkg upgrade	UPGRADESC=no
USEPKGUPGRADE	Indicate whether to perform upgrade by using pkgrm and pkgadd commands. See the --usePkgUpgrade option to compkg upgrade.	USEPKGUPGRADE=no
COMPONENT_VERSIONS	unused	COMPONENT_VERSIONS= 7.4 6.4 7.2 8.3 2.0 1.3 7.0

To Display Product Mnemonic Names

- To display a complete list of the mnemonic product names (such as MS, MS64, CS) to use with the COMPONENTS property, run the `commpkg info --listPackages` command.

This command displays the mnemonics for each product. See [commpkg info 7.0.6 Sample Session](#) for example output.

DSsetup 6.4.0.26.0 Upgrade Sample Session

DSsetup 6.4.0.26.0 Upgrade Sample Session

This section outlines the commands to run to upgrade to DSsetup 6.4.0.26 and lists a sample session.

Topics:

- [Summary of Commands Run](#)
- [Comments](#)
- [Session](#)

Summary of Commands Run

```
563 ./sbin/comm_dssetup.pl
564 stty -echo
565 pd
566 ./commpkg upgrade
567 stty -echo
568 pd
569 ./sbin/comm_dssetup.pl
570 stty -echo
571 ls /var/tmp/dssetup_20140809095206
572 ls /var/tmp/dssetup_20140809095206/save
573 cat /var/tmp/dssetup_20140809095206/99user_new.ldif
574 cat /var/tmp/dssetup_20140809095206/dssetup.ldif
575 cat /var/tmp/dssetup_20140809095206/dssetup.ldif.rej
576 cat /var/tmp/dssetup_20140809095206/dssetup.sh
577 cat /var/tmp/dssetup_20140809095206/dssetup.log
```

Comments

- Upgrade from previous version
- Used "commpkg upgrade"
- schema2

Session

```
[563 Sat Aug 09 09:43:27 root@host% /opt/sun/comms/dssetup# ]
# ./sbin/comm_dssetup.pl

Welcome to the Directory Server preparation tool (Comms DSsetup) 6.4.0.25.0
for
Oracle Communications Unified Communications Suite
dssetup Version 6.4.0.25.0 (built Thursday, September 12, 2013 01:53:20 PM
PDT)

This tool prepares your directory server for use by the
communications services which include Messaging, Calendar and their
```

components.

The logfile is /var/tmp/dssetup_20140809094329/dssetup.log

Do you want to continue [y]:

Please enter the full path to the directory where the Directory Server instance(s) reside ("server-root"), or an explicit Directory Server instance directory

Directory server root [/var/opt/sun/directory] :

Please select a directory server instance from the following list:

[1] ds7

Which instance do you want [1]:

Please enter the directory manager DN [cn=Directory Manager]:

Password:

Configuration from DS config file:

- DS Install location: /opt/dsee7
- DS hostname: host
- DS port: 389

ldapsearch location: /opt/SUNWdsee/dsee6/bin

Detected DS version 11.1.1.3.0 on host port 389

Will this directory server be used for users/groups [yes]:

WARNING: No default suffix found in the Directory

A list of suffixes are as follows:

No Suffixes Found

Please enter the Users/Groups base suffix [o=usergroup] :

There are 3 possible schema types:

- 1 - schema 1
- 1.5 - schema 2 compatibility mode for schema 1 systems that has been converted with commdirmig
- 2 - schema 2

Please enter the Schema Type (1, 1.5, 2) [2]:

Do you want to update the schema files [yes]:

Do you want to configure new indexes [yes]:

Do you want to Reindex the new indexes now [yes]:

Here is a summary of the settings that you chose:

Server Root : /var/opt/sun/directory
Server Instance : ds7
Users/Groups Directory : yes
Update Schema : yes
Schema Type : 2
DC Root : o=usergroup
User/Group Root : o=usergroup
Add New Indexes : yes
ReIndex New Indexes Now : yes
Directory Manager DN : cn=Directory Manager

Now ready to generate a shell script and ldif file to modify the Directory.
No changes to the Directory Server will be made this time.
Do you want to continue [y]:

Generating files...

Checking to see if Suffixes need to be added
Will Create suffix o=comms-config
Will Create suffix o=usergroup
Will Create suffix o=pab
Will Create suffix o=PiServerDb
Will Create suffix o=mlusers

Checking to see that uid uniqueness plugins are turned off
Plugin is already disabled

Adding indexes
Adding Indexes for User/group Tree (backend:usergroupdb2)
Checking indexes for cn
No new indexes required
Checking indexes for cosspecifier
New indexes and Reindexing required
ReIndex will happen for index type cosspecifier
Checking indexes for inetCos
New indexes and Reindexing required
ReIndex will happen for index type inetCos
Checking indexes for memberOf
New indexes and Reindexing required
ReIndex will happen for index type memberOf
Checking indexes for mail
No new indexes required
Checking indexes for groupid
New indexes and Reindexing required
ReIndex will happen for index type groupid
Checking indexes for mailAlternateAddress
No new indexes required
Checking indexes for icsCalendar
New indexes and Reindexing required
ReIndex will happen for index type icsCalendar
Checking indexes for ou
New indexes and Reindexing required
ReIndex will happen for index type ou
Checking indexes for member
No new indexes required
Checking indexes for uniqueMember

No new indexes required
 Checking indexes for mailEquivalentAddress
 New indexes and Reindexing required
 ReIndex will happen for index type mailEquivalentAddress
 Checking indexes for deleted
 New indexes and Reindexing required
 ReIndex will happen for index type deleted
 Checking indexes for mgrpUniqueId
 New indexes and Reindexing required
 ReIndex will happen for index type mgrpUniqueId
 Checking indexes for davuniqueid
 New indexes and Reindexing required
 ReIndex will happen for index type davuniqueid
 Checking indexes for mailUserStatus
 New indexes and Reindexing required
 ReIndex will happen for index type mailUserStatus
 Checking indexes for icsCalendarOwned
 New indexes and Reindexing required
 ReIndex will happen for index type icsCalendarOwned
 Adding Schema2 specific Indexes for User/Group Tree (backend:usergroupdb2)
 Checking indexes for inetDomainBasedN
 New indexes and Reindexing required
 ReIndex will happen for index type inetDomainBaseDN
 Checking indexes for sunOrganizationAlias
 New indexes and Reindexing required
 ReIndex will happen for index type sunOrganizationAlias
 Checking indexes for sunPreferredDomain
 New indexes and Reindexing required
 ReIndex will happen for index type sunPreferredDomain
 Checking indexes for mailDomainStatus
 New indexes and Reindexing required
 ReIndex will happen for index type mailDomainStatus
 Checking indexes for o
 New indexes and Reindexing required
 ReIndex will happen for index type o
 Checking indexes for associatedDomain
 New indexes and Reindexing required
 ReIndex will happen for index type associatedDomain
 Adding Indexes for PAB Tree (backend:pabdb2)
 Checking indexes for memberOfManagedGroup
 New indexes and Reindexing required
 ReIndex will happen for index type memberOfManagedGroup
 Checking indexes for memberOfPABGroup
 New indexes and Reindexing required
 ReIndex will happen for index type memberOfPABGroup
 Checking indexes for memberOfPAB
 New indexes and Reindexing required
 ReIndex will happen for index type memberOfPAB
 Checking indexes for un
 New indexes and Reindexing required
 ReIndex will happen for index type un
 Adding Indexes for New PAB Tree (backend:PiServerDbdb2)
 Checking indexes for MemberOfPiBook
 New indexes and Reindexing required
 ReIndex will happen for index type MemberOfPiBook
 Checking indexes for MemberofPiGroup
 New indexes and Reindexing required
 ReIndex will happen for index type MemberofPiGroup
 Checking indexes for displayname


```

New indexes and Reindexing required
ReIndex will happen for index type displayname
Adding Indexes for Mailing List Tree (backend:mlusersdb2)
Checking indexes for mail
No new indexes required
Checking indexes for mlsubMail
New indexes and Reindexing required
ReIndex will happen for index type mlsubMail
Checking indexes for mlsubListIdentifier
New indexes and Reindexing required
ReIndex will happen for index type mlsubListIdentifier

Checking to see if DN needs to be created for suffixes

Generating ldif for installer metadata
Generating ldif for Adding schema for installer metadata
Generating ldif for Creating DN: cn=CommServers,o=comms-config
The following files have been created:
/var/tmp/dssetup_20140809094329/dssetup.sh
/var/tmp/dssetup_20140809094329/dssetup.ldif

Running /var/tmp/dssetup_20140809094329/dssetup.sh will make changes to the
Directory
You can run this file now or at a later time
Ready to execute the script now.

Do you want to continue [y]:

Running /var/tmp/dssetup_20140809094329/dssetup.sh -D "cn=Directory Manager"
-j /var/tmp/dssetup_20140809094329/dssetup.pw
-- Updating Schema files...
-- Copying 20subscriber.ldif
-- Copying 50ns-delegated-admin.ldif
-- Copying 50ns-mail.ldif
-- Copying 50ns-mlm.ldif
-- Copying 50ns-msg.ldif
-- Copying 50ns-value.ldif
-- Copying 55ims-ical.ldif
-- Copying 56ims-schema.ldif
-- Copying 65im.ldif
-- Copying 70sun-schema2.ldif
-- Copying 71sun-am.ldif
-- Copying 60iplanet-calendar.ldif
-- Copying 50ns-iabs.ldif
-- Copying 98ns-dummy-uwc.ldif
-- Copying 70delgated-admin.ldif
-- Stopping Directory Server
Directory Server instance '/var/opt/sun/directory/ds7' stopped
-- Starting Directory Server
Directory Server instance '/var/opt/sun/directory/ds7' started: pid=20202
-- Creating Suffix o=comms-config
-- Done Creating o=comms-config

-- Creating Suffix o=usergroup
-- Done Creating o=usergroup

-- Creating Suffix o=pab
-- Done Creating o=pab

```

```

-- Creating Suffix o=PiServerDb
-- Done Creating o=PiServerDb

-- Creating Suffix o=mlusers
-- Done Creating o=mlusers

-- Applying ldif file /var/tmp/dssetup_20140809094329/dssetup.ldif
modifying entry cn=schema

modifying entry cn=schema

adding new entry cn=CommServers,o=comms-config

-- rejects to /var/tmp/dssetup_20140809094329/dssetup.ldif.rej status = 0
-- ldapmodify returned 0
-- Done Applying ldif file /var/tmp/dssetup_20140809094329/dssetup.ldif

-- /opt/dsee7/bin/dsconf create-index o=usergroup cosspecifier
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup cosspecifier

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup cosspecifier
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr cosspecifier o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup cosspecifier
pres-enabled:on

-- /opt/dsee7/bin/dsconf -t cosspecifier reindex o=usergroup
## usergroupdb2: Indexing attribute: cosspecifier
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t cosspecifier o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup inetCos
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup inetCos

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup inetCos eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr inetCos o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup inetCos
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t inetCos reindex o=usergroup
## usergroupdb2: Indexing attribute: inetCos
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t inetCos o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup memberOf
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup memberOf

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup memberOf eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr memberOf o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup memberOf

```

```

eq-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup memberOf sub-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr memberOf o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup memberOf
sub-enabled:on

-- /opt/dsee7/bin/dsconf -t memberOf reindex o=usergroup
## usergroupdb2: Indexing attribute: memberOf
## usergroupdb2: Index buffer bucket size: 100
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t memberOf o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup groupid
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup groupid

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup groupid pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr groupid o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup groupid
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup groupid eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr groupid o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup groupid
eq-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup groupid sub-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr groupid o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup groupid
sub-enabled:on

-- /opt/dsee7/bin/dsconf -t groupid reindex o=usergroup
## usergroupdb2: Indexing attribute: groupid
## usergroupdb2: Index buffer bucket size: 100
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t groupid o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup icsCalendar
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup icsCalendar

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr icsCalendar o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr icsCalendar o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar

```

```

eq-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar
approx-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr icsCalendar o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar
approx-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar
sub-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr icsCalendar o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendar
sub-enabled:on

-- /opt/dsee7/bin/dsconf -t icsCalendar reindex o=usergroup
## usergroupdb2: Indexing attribute: icsCalendar
## usergroupdb2: Index buffer bucket size: 100
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t icsCalendar o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup ou
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup ou

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup ou pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr ou o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup ou pres-enabled:on

-- /opt/dsee7/bin/dsconf -t ou reindex o=usergroup
## usergroupdb2: Indexing attribute: ou
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t ou o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup mailEquivalentAddress
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup mailEquivalentAddress

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailEquivalentAddress
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailEquivalentAddress o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailEquivalentAddress pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailEquivalentAddress
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailEquivalentAddress o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailEquivalentAddress eq-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailEquivalentAddress
approx-enabled:on

```

```

Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailEquivalentAddress o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailEquivalentAddress approx-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailEquivalentAddress
sub-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailEquivalentAddress o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup
mailEquivalentAddress sub-enabled:on

-- /opt/dsee7/bin/dsconf -t mailEquivalentAddress reindex o=usergroup
## usergroupdb2: Indexing attribute: mailEquivalentAddress
## usergroupdb2: Index buffer bucket size: 100
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t mailEquivalentAddress o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup deleted
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup deleted

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup deleted pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr deleted o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup deleted
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup deleted eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr deleted o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup deleted
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t deleted reindex o=usergroup
## usergroupdb2: Indexing attribute: deleted
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t deleted o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup mgrpUniqueId
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup mgrpUniqueId

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mgrpUniqueId
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mgrpUniqueId o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup mgrpUniqueId
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t mgrpUniqueId reindex o=usergroup
## usergroupdb2: Indexing attribute: mgrpUniqueId
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).

```

```

-- Done /opt/dsee7/bin/dsconf reindex -t mgrpUniqueId o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup davuniqueid
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup davuniqueid

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup davuniqueid
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr davuniqueid o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup davuniqueid
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup davuniqueid eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr davuniqueid o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup davuniqueid
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t davuniqueid reindex o=usergroup
## usergroupdb2: Indexing attribute: davuniqueid
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t davuniqueid o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup mailUserStatus
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup mailUserStatus

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailUserStatus
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailUserStatus o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailUserStatus
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailUserStatus
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailUserStatus o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailUserStatus
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t mailUserStatus reindex o=usergroup
## usergroupdb2: Indexing attribute: mailUserStatus
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t mailUserStatus o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup icsCalendarOwned
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup icsCalendarOwned

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendarOwned
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr icsCalendarOwned o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendarOwned

```

```

pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendarOwned
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr icsCalendarOwned o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendarOwned
eq-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendarOwned
approx-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr icsCalendarOwned o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendarOwned
approx-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendarOwned
sub-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr icsCalendarOwned o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup icsCalendarOwned
sub-enabled:on

-- /opt/dsee7/bin/dsconf -t icsCalendarOwned reindex o=usergroup
## usergroupdb2: Indexing attribute: icsCalendarOwned
## usergroupdb2: Index buffer bucket size: 100
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t icsCalendarOwned o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup inetDomainBaseDN
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup inetDomainBaseDN

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup inetDomainBaseDN
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr inetDomainBaseDN o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup inetDomainBaseDN
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup inetDomainBaseDN
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr inetDomainBaseDN o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup inetDomainBaseDN
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t inetDomainBaseDN reindex o=usergroup
## usergroupdb2: Indexing attribute: inetDomainBaseDN
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t inetDomainBaseDN o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup sunOrganizationAlias
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup sunOrganizationAlias

```

```

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup sunOrganizationAlias
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr sunOrganizationAlias o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup sunOrganizationAlias
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup sunOrganizationAlias
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr sunOrganizationAlias o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup sunOrganizationAlias
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t sunOrganizationAlias reindex o=usergroup
## usergroupdb2: Indexing attribute: sunOrganizationAlias
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t sunOrganizationAlias o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup sunPreferredDomain
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup sunPreferredDomain

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup sunPreferredDomain
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr sunPreferredDomain o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup sunPreferredDomain
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup sunPreferredDomain
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr sunPreferredDomain o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup sunPreferredDomain
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t sunPreferredDomain reindex o=usergroup
## usergroupdb2: Indexing attribute: sunPreferredDomain
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t sunPreferredDomain o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup mailDomainStatus
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup mailDomainStatus

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailDomainStatus
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailDomainStatus o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailDomainStatus
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailDomainStatus
eq-enabled:on

```



```

Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailDomainStatus o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailDomainStatus
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t mailDomainStatus reindex o=usergroup
## usergroupdb2: Indexing attribute: mailDomainStatus
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t mailDomainStatus o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup o
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup o

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup o pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr o o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup o pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup o eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr o o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup o eq-enabled:on

-- /opt/dsee7/bin/dsconf -t o reindex o=usergroup
## usergroupdb2: Indexing attribute: o
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t o o=usergroup

-- /opt/dsee7/bin/dsconf create-index o=usergroup associatedDomain
-- Done /opt/dsee7/bin/dsconf create-index o=usergroup associatedDomain

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup associatedDomain
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr associatedDomain o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup associatedDomain
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup associatedDomain
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr associatedDomain o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup associatedDomain
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t associatedDomain reindex o=usergroup
## usergroupdb2: Indexing attribute: associatedDomain
## usergroupdb2: Index buffer bucket size: 0
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t associatedDomain o=usergroup

```

```

-- /opt/dsee7/bin/dsconf create-index o=pab memberOfManagedGroup
-- Done /opt/dsee7/bin/dsconf create-index o=pab memberOfManagedGroup

-- /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfManagedGroup
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr memberOfManagedGroup o=pab" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfManagedGroup
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfManagedGroup
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr memberOfManagedGroup o=pab" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfManagedGroup
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t memberOfManagedGroup reindex o=pab
## pabdb2: Indexing attribute: memberOfManagedGroup
## pabdb2: Index buffer bucket size: 0
## pabdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t memberOfManagedGroup o=pab

-- /opt/dsee7/bin/dsconf create-index o=pab memberOfPABGroup
-- Done /opt/dsee7/bin/dsconf create-index o=pab memberOfPABGroup

-- /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPABGroup
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr memberOfPABGroup o=pab" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPABGroup
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPABGroup eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr memberOfPABGroup o=pab" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPABGroup
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t memberOfPABGroup reindex o=pab
## pabdb2: Indexing attribute: memberOfPABGroup
## pabdb2: Index buffer bucket size: 0
## pabdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t memberOfPABGroup o=pab

-- /opt/dsee7/bin/dsconf create-index o=pab memberOfPAB
-- Done /opt/dsee7/bin/dsconf create-index o=pab memberOfPAB

-- /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPAB pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr memberOfPAB o=pab" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPAB
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPAB eq-enabled:on

```

```

Index will not be used unless re-indexed.
Use "dsconf reindex --attr memberOfPAB o=pab" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=pab memberOfPAB eq-enabled:on

-- /opt/dsee7/bin/dsconf -t memberOfPAB reindex o=pab
## pabdb2: Indexing attribute: memberOfPAB
## pabdb2: Index buffer bucket size: 0
## pabdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t memberOfPAB o=pab

-- /opt/dsee7/bin/dsconf create-index o=pab un
-- Done /opt/dsee7/bin/dsconf create-index o=pab un

-- /opt/dsee7/bin/dsconf set-index-prop o=pab un eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr un o=pab" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=pab un eq-enabled:on

-- /opt/dsee7/bin/dsconf -t un reindex o=pab
## pabdb2: Indexing attribute: un
## pabdb2: Index buffer bucket size: 0
## pabdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t un o=pab

-- /opt/dsee7/bin/dsconf create-index o=PiServerDb MemberOfPiBook
-- Done /opt/dsee7/bin/dsconf create-index o=PiServerDb MemberOfPiBook

-- /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb MemberOfPiBook
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr MemberOfPiBook o=PiServerDb" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb MemberOfPiBook
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t MemberOfPiBook reindex o=PiServerDb
## PiServerDbdb2: Indexing attribute: MemberOfPiBook
## PiServerDbdb2: Index buffer bucket size: 0
## PiServerDbdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t MemberOfPiBook o=PiServerDb

-- /opt/dsee7/bin/dsconf create-index o=PiServerDb MemberofPiGroup
-- Done /opt/dsee7/bin/dsconf create-index o=PiServerDb MemberofPiGroup

-- /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb MemberofPiGroup
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr MemberofPiGroup o=PiServerDb" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb MemberofPiGroup
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t MemberofPiGroup reindex o=PiServerDb
## PiServerDbdb2: Indexing attribute: MemberofPiGroup
## PiServerDbdb2: Index buffer bucket size: 0

```

```

## PiServerDbdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t MemberofPiGroup o=PiServerDb

-- /opt/dsee7/bin/dsconf create-index o=PiServerDb displayname
-- Done /opt/dsee7/bin/dsconf create-index o=PiServerDb displayname

-- /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb displayname
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr displayname o=PiServerDb" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb displayname
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb displayname
eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr displayname o=PiServerDb" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb displayname
eq-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb displayname
sub-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr displayname o=PiServerDb" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=PiServerDb displayname
sub-enabled:on

-- /opt/dsee7/bin/dsconf -t displayname reindex o=PiServerDb
## PiServerDbdb2: Indexing attribute: displayname
## PiServerDbdb2: Index buffer bucket size: 100
## PiServerDbdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t displayname o=PiServerDb

-- /opt/dsee7/bin/dsconf create-index o=mlusers mlsubMail
-- Done /opt/dsee7/bin/dsconf create-index o=mlusers mlsubMail

-- /opt/dsee7/bin/dsconf set-index-prop o=mlusers mlsubMail eq-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mlsubMail o=mlusers" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=mlusers mlsubMail
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t mlsubMail reindex o=mlusers
## mlusersdb2: Indexing attribute: mlsubMail
## mlusersdb2: Index buffer bucket size: 0
## mlusersdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t mlsubMail o=mlusers

-- /opt/dsee7/bin/dsconf create-index o=mlusers mlsubListIdentifier
-- Done /opt/dsee7/bin/dsconf create-index o=mlusers mlsubListIdentifier

-- /opt/dsee7/bin/dsconf set-index-prop o=mlusers mlsubListIdentifier
eq-enabled:on

```

```

Index will not be used unless re-indexed.
Use "dsconf reindex --attr mlsbListIdentifier o=mlusers" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=mlusers mlsbListIdentifier
eq-enabled:on

-- /opt/dsee7/bin/dsconf -t mlsbListIdentifier reindex o=mlusers
## mlusersdb2: Indexing attribute: mlsbListIdentifier
## mlusersdb2: Index buffer bucket size: 0
## mlusersdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t mlsbListIdentifier o=mlusers

Successful Completion. Consult /var/tmp/dssetup_20140809094329/dssetup.log
for details
[564 Sat Aug 09 09:50:15 root@host% /opt/sun/comms/dssetup# ]
# stty -echo
stty -echo
[565 Sat Aug 09 09:50:53 root@host% /opt/sun/comms/dssetup# ]
# pd
0 /home/user/wspace/releases/ci76
1 /opt/sun/comms/dssetup
[566 Sat Aug 09 09:50:54 root@host% /home/user/wspace/releases/ci76# ]
# ./commpkg upgrade
-- LOGFILE: /tmp/CommsInstaller_20140809095058.log
CommsInstaller version 7.0.6.0.0 (7.6-0.10) built on Tue Jul 1 21:57:57 PDT
2014

Welcome to the Oracle Communications Unified Communications Suite Product
Installer
This program will install selected components of the Communications Suite
on your computer. Do note that the installer lays down the
bits, but does not do configuration. Separate configuration
steps for each individual product will be required.

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=====
Detecting Installed Products...
Detecting Installed Patches...
NOTICE: The OS Recommended Patch Cluster (as of 2013.02.19)
has not been applied. Specifically the following
patches are missing:
147147-26
NOTICE: You must apply the latest OS Recommended Patchset
Some products will not work properly without it
Do you want to continue ? [no] : yes
=====
Product Selection:

Communication Products:

Item Description
----
1 Comms DSsetup 6.4.0.26.0
Installed Version 6.4.0.25.0 at /opt/sun/comms/dssetup

Enter the items you wish to upgrade. Enter q to quit.

```

You can enter multiple items using commas to separate them.
For example: 1,2

Please select the products you wish to upgrade [1]:
=====

Checking for Shared Component Upgrade Requirements...
=====

NOTICE: Upgrading Comms DSsetup 6.4.0.25.0
to 6.4.0.26.0 at /opt/sun/comms/dssetup
Upgrade will be done by applying a patch
WILL INSTALL: patch 118245-26 for Comms DSsetup
=====

Ready to upgrade

Do you want to continue ? [yes] :

=====

Upgrading Comms DSsetup 6.4.0.25.0 at /opt/sun/comms/dssetup...

=====

Installing patch 118245-26 for Comms DSsetup...
----- Executing Task 1 of 1 ...
=====

Done Upgrading Comms DSsetup to 6.4.0.26.0 at /opt/sun/comms/dssetup
=====

SUMMARY:

All tasks PASSED
Checking JES java symlink...
INFO: no update to /etc/softlist.xml required

Hit Return to Continue:
=====

NOTICE: silent file created in:
/var/opt/CommsInstaller/logs/silent_CommsInstaller_20140809095058
NOTICE: LOGFILE created in:
/var/opt/CommsInstaller/logs/CommsInstaller_20140809095058.log
[567 Sat Aug 09 09:51:59 root@host% /home/user/wspace/releases/ci76#]
stty -echo
[568 Sat Aug 09 09:52:02 root@host% /home/user/wspace/releases/ci76#]
pd
0 /opt/sun/comms/dssetup
1 /home/user/wspace/releases/ci76
[569 Sat Aug 09 09:52:03 root@host% /opt/sun/comms/dssetup#]
./sbin/comm_dssetup.pl

Welcome to the Directory Server preparation tool (Comms DSsetup) 6.4.0.26.0
for
Oracle Communications Unified Communications Suite
dssetup Version 6.4.0.26.0 (built Friday, April 18, 2014 09:07:22 PM UTC)

This tool prepares your directory server for use by the
communications services which include Messaging, Calendar and their
components.

The logfile is /var/tmp/dssetup_20140809095206/dssetup.log

```

Do you want to continue [y]:

Please enter the full path to the directory where the
Directory Server instance(s) reside ("server-root"), or
an explicit Directory Server instance directory

Directory server root [/var/opt/sun/directory] :

Please select a directory server instance from the following list:

[1] ds7

Which instance do you want [1]:

Please enter the directory manager DN [cn=Directory Manager]:

Password:

Configuration from DS config file:
- DS Install location: /opt/dsee7
- DS hostname: host
- DS port: 389

ldapsearch location: /opt/SUNWdsee/dsee6/bin

Detected DS version 11.1.1.3.0 on host port 389

Will this directory server be used for users/groups [yes]:

A list of suffixes are as follows:
o=mlusers
o=PiServerDb
o=pab
o=usergroup
o=comms-config

Please enter the Users/Groups base suffix [o=usergroup] :

There are 3 possible schema types:
1 - schema 1
1.5 - schema 2 compatibility mode for schema 1 systems
that has been converted with commdirmig
2 - schema 2

Please enter the Schema Type (1, 1.5, 2) [2]:

Do you want to update the schema files [yes]:

Do you want to configure new indexes [yes]:

Do you want to Reindex the new indexes now [yes]:

Here is a summary of the settings that you chose:

```

```
Server Root : /var/opt/sun/directory
Server Instance : ds7
Users/Groups Directory : yes
Update Schema : yes
Schema Type : 2
DC Root : o=usergroup
User/Group Root : o=usergroup
Add New Indexes : yes
ReIndex New Indexes Now : yes
Directory Manager DN : cn=Directory Manager
```

Now ready to generate a shell script and ldif file to modify the Directory.
No changes to the Directory Server will be made this time.
Do you want to continue [y]:

Generating files...

Checking to see if Suffixes need to be added

Checking to see that uid uniqueness plugins are turned off
Plugin is already disabled

Adding indexes

Adding Indexes for User/group Tree (backend:usergroupdb2)

Checking indexes for cn

No new indexes required

Checking indexes for cosspecifier

No new indexes required

Checking indexes for inetCos

No new indexes required

Checking indexes for memberOf

No new indexes required

Checking indexes for mail

New indexes and Reindexing required

ReIndex will happen for index type mail

Checking indexes for groupid

No new indexes required

Checking indexes for mailAlternateAddress

New indexes and Reindexing required

ReIndex will happen for index type mailAlternateAddress

Checking indexes for icsCalendar

No new indexes required

Checking indexes for ou

No new indexes required

Checking indexes for member

No new indexes required

Checking indexes for uniqueMember

No new indexes required

Checking indexes for mailEquivalentAddress

No new indexes required

Checking indexes for deleted

No new indexes required

Checking indexes for mgrpUniqueId

No new indexes required

Checking indexes for davuniqueid

No new indexes required

Checking indexes for mailUserStatus


```

No new indexes required
Checking indexes for icsCalendarOwned
No new indexes required
Adding Schema2 specific Indexes for User/Group Tree (backend:usergroupdb2)
Checking indexes for inetDomainBaseDN
No new indexes required
Checking indexes for sunOrganizationAlias
No new indexes required
Checking indexes for sunPreferredDomain
No new indexes required
Checking indexes for mailDomainStatus
No new indexes required
Checking indexes for o
No new indexes required
Checking indexes for associatedDomain
No new indexes required
Adding Indexes for PAB Tree (backend:pabdb2)
Checking indexes for memberOfManagedGroup
No new indexes required
Checking indexes for memberOfPABGroup
No new indexes required
Checking indexes for memberOfPAB
No new indexes required
Checking indexes for un
No new indexes required
Adding Indexes for New PAB Tree (backend:PiServerDbdb2)
Checking indexes for MemberOfPiBook
No new indexes required
Checking indexes for MemberofPiGroup
No new indexes required
Checking indexes for displayname
No new indexes required
Adding Indexes for Mailing List Tree (backend:mlusersdb2)
Checking indexes for mail
No new indexes required
Checking indexes for mlsubMail
No new indexes required
Checking indexes for mlsubListIdentifier
No new indexes required

Checking to see if DN needs to be created for suffixes

Generating ldif for installer metadata
Generating ldif for Adding schema for installer metadata
Generating ldif for updating DN for cn=CommServers,o=comms-config
The following files have been created:
/var/tmp/dssetup_20140809095206/dssetup.sh
/var/tmp/dssetup_20140809095206/dssetup.ldif

Running /var/tmp/dssetup_20140809095206/dssetup.sh will make changes to the
Directory
You can run this file now or at a later time
Ready to execute the script now.

Do you want to continue [y]:

Running /var/tmp/dssetup_20140809095206/dssetup.sh -D "cn=Directory Manager"
-j /var/tmp/dssetup_20140809095206/dssetup.pw
-- Updating Schema files...

```

```

-- Copying 20subscriber.ldif
-- Copying 50ns-delegated-admin.ldif
-- Copying 50ns-mail.ldif
-- Copying 50ns-mlm.ldif
-- Copying 50ns-msg.ldif
-- Copying 50ns-value.ldif
-- Copying 55ims-ical.ldif
-- Copying 56ims-schema.ldif
-- Copying 65im.ldif
-- Copying 70sun-schema2.ldif
-- Copying 71sun-am.ldif
-- Copying 60iplanet-calendar.ldif
-- Copying 50ns-iabs.ldif
-- Copying 98ns-dummy-uwc.ldif
-- Copying 70delgated-admin.ldif
-- Stopping Directory Server
Directory Server instance '/var/opt/sun/directory/ds7' stopped
-- Starting Directory Server
Directory Server instance '/var/opt/sun/directory/ds7' started: pid=21782
-- Applying ldif file /var/tmp/dssetup_20140809095206/dssetup.ldif
ldap_modify: Type or value exists
modifying entry cn=schema

modifying entry cn=schema

modifying entry cn=CommServers,o=comms-config

modifying entry cn=CommServers,o=comms-config

-- rejects to /var/tmp/dssetup_20140809095206/dssetup.ldif.rej status = 20
-- WARNING: ldapmodify returned 20
-- Done Applying ldif file /var/tmp/dssetup_20140809095206/dssetup.ldif

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mail approx-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mail o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup mail
approx-enabled:on

-- /opt/dsee7/bin/dsconf -t mail reindex o=usergroup
## usergroupdb2: Indexing attribute: mail
## usergroupdb2: Index buffer bucket size: 100
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t mail o=usergroup

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailAlternateAddress
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailAlternateAddress o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailAlternateAddress
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailAlternateAddress
approx-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailAlternateAddress o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailAlternateAddress

```

```

approx-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailAlternateAddress
sub-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailAlternateAddress o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailAlternateAddress
sub-enabled:on

-- /opt/dsee7/bin/dsconf -t mailAlternateAddress reindex o=usergroup
## usergroupdb2: Indexing attribute: mailAlternateAddress
## usergroupdb2: Index buffer bucket size: 100
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t mailAlternateAddress o=usergroup

Successful Completion. Consult /var/tmp/dssetup_20140809095206/dssetup.log
for details
[570 Sat Aug 09 09:53:54 root@host% /opt/sun/comms/dssetup# ]
# stty -echo
stty -echo
[571 Sat Aug 09 09:54:40 root@host% /opt/sun/comms/dssetup# ]
# ls /var/tmp/dssetup_20140809095206
total 62
5 99user_new.ldif 30 dssetup.log
6 dssetup.ldif 14 dssetup.sh*
2 dssetup.ldif.rej 5 save/
[572 Sat Aug 09 09:54:50 root@host% /opt/sun/comms/dssetup# ]
# ls /var/tmp/dssetup_20140809095206/save
total 936
154 00core.ldif 7 50ns-mcd-li.ldif
16 00ds6pwp.ldif 42 50ns-mcd-mail.ldif
5 05rfc2247.ldif 3 50ns-media.ldif
3 05rfc2927.ldif 17 50ns-mlm.ldif
16 11rfc2307.ldif 107 50ns-msg.ldif
10 20subscriber.ldif 7 50ns-netshare.ldif
7 25java-object.ldif 5 50ns-news.ldif
19 28pilot.ldif 3 50ns-proxy.ldif
25 30ns-common.ldif 7 50ns-value.ldif
7 50iplanet-servicemgt.ldif 8 50ns-wcal.ldif
14 50ns-admin.ldif 4 50ns-web.ldif
15 50ns-calendar.ldif 21 55ims-ical.ldif
4 50ns-certificate.ldif 55 56ims-schema.ldif
24 50ns-compass.ldif 39 60iplanet-calendar.ldif
13 50ns-delegated-admin.ldif 14 65im.ldif
33 50ns-directory.ldif 17 70delgated-admin.ldif
67 50ns-iabs.ldif 8 70sun-schema2.ldif
4 50ns-legacy.ldif 57 71sun-am.ldif
18 50ns-mail.ldif 10 98ns-dummy-uwc.ldif
35 50ns-mcd-browser.ldif 5 99user.ldif
11 50ns-mcd-config.ldif
[573 Sat Aug 09 09:54:53 root@host% /opt/sun/comms/dssetup# ]
# cat /var/tmp/dssetup_20140809095206/99user_new.ldif
dn: cn=schema
objectClass: top
objectClass: ldapSubentry
objectClass: subschema
cn: schema

```

```

aci: (target="ldap:///cn=schema")(targetattr !="aci")(version 3.0;acl
"anonymo
us, no acis"; allow (read, search, compare) userdn = "ldap:///anyone";)
modifiersName: cn=directory manager
modifyTimestamp: 20140809164817Z
attributeTypes: ( sunExcludeServices-oid NAME 'sunExcludeServices' DESC
'servi
ces to be excluded specifically from the services available in the root suff
ix ' EQUALITY caseIgnoreMatch SYNTAX 1.3.6.1.4.1.1466.115.121.1.26 X-ORIGIN
'user defined' )
attributeTypes: ( 1.3.6.1.4.1.42.2.27.9.1.83 NAME 'sunkeyvalue' DESC
'Attribut
e to store the encoded key values of the services' SYNTAX 1.3.6.1.4.1.1466.1
15.121.1.26 X-ORIGIN ( 'Sun ONE Identity Management' 'user defined' ) )
objectClasses: ( 1.3.6.1.4.1.42.2.27.9.2.107 NAME 'sunIMConference' DESC
'Conf
erence Object' SUP top AUXILIARY MAY ( sunIMConferenceAffiliations $ sunIMCo
nferenceConfiguration $ cn $ uid ) X-ORIGIN 'user defined' )
objectClasses: ( 1.3.6.1.4.1.42.2.27.9.2.108 NAME 'sunIMNews' DESC 'Pubsub
Cha
nnel Object' SUP top AUXILIARY MAY ( sunIMNewsAffiliations $ sunIMNewsConfig
uration $ sunIMNewsMetaData $ cn $ uid ) X-ORIGIN 'user defined' )
objectClasses: ( 1.3.6.1.4.1.42.2.27.9.2.109 NAME 'sunIMStoredMessage' DESC
'S
tored Message Object' SUP top AUXILIARY MAY ( sunIMMessageID $ sunIMMessageC
ontent ) X-ORIGIN 'user defined' )
objectClasses: ( 1.3.6.1.4.1.42.2.27.9.2.27 NAME 'sunservicecomponent' DESC
'S
ub-components of the service' SUP top STRUCTURAL MUST ou MAY ( labeledUri $
sunserviceid $ sunsmspriority $ sunkeyvalue $ sunxmlkeyvalue $ description )
X-ORIGIN 'Sun Java System Identity Management' )
objectClasses: ( 1.3.6.1.4.1.42.2.27.2.1.39 NAME 'sunCommsMetaData' DESC
'Obje
ctclass for storing meta data for Sun Communication' SUP top STRUCTURAL MUST
cn MAY sunkeyvalue X-ORIGIN 'user defined' )
nsSchemaCSN: 53e650d100000000000000

```

```

[574 Sat Aug 09 09:54:58 root@host% /opt/sun/comms/dssetup# ]
# cat /var/tmp/dssetup_20140809095206/dssetup.ldif
# This Ldif file contains the changes to be made to the Directory
# Run it like this:
# cd /opt/SUNWdsee/dsee6/bin
# ./ldapmodify -p 389 -h host -D binddn -j passwdfile -c -f
/var/tmp/dssetup_20140809095206/dssetup.ldif

```

```

#-----
# This section creates the installer metadata
#-----

```

```

#####
# dn: cn=schema
# Add the schema for sunkeyvalue. Required by sunCommsMetaData objectclass
# Note that sunkeyvalue may have already been added by Access Manager
#####
dn: cn=schema
changetype: modify
add: attributeTypes
attributeTypes: ( 1.3.6.1.4.1.42.2.27.9.1.83 NAME ( 'sunkeyvalue' ) DESC
'Attribute to store the encoded key values of the services' SYNTAX

```

```

1.3.6.1.4.1.1466.115.121.1.26 X-ORIGIN 'Sun ONE Identity Management' )

#####
# dn: cn=schema
# Add the schema for the Comm Servers installer metadata information
#####
dn: cn=schema
changetype: modify
add: objectClasses
objectClasses: ( 1.3.6.1.4.1.42.2.27.2.1.39 NAME 'sunCommsMetaData' DESC
'Objectclass for storing meta data for Sun Communication' SUP top STRUCTURAL
MUST ( cn ) MAY ( sunkeyvalue ) )

#####
# dn: cn=CommServers,o=comms-config
# Update the installer metadata for Comm Servers
#####
dn: cn=CommServers,o=comms-config
changetype: modify
replace: sunkeyvalue
sunkeyvalue: dssetup_ver=6.4
sunkeyvalue: dssetup_rev=26.01
sunkeyvalue: dcsuffix=o=usergroup
sunkeyvalue: ugsuffix=o=usergroup
sunkeyvalue: mlsuffix=o=mlusers
sunkeyvalue: schematype=2

#####
# dn: cn=CommServers,o=comms-config
# aci for anonymous read access
#####
dn: cn=CommServers,o=comms-config
changetype: modify
add: aci
aci:
(target="ldap:///cn=CommServers,o=comms-config")(targetattr!="aci")(version
3.0; acl "Anonymous access to dssetup config"; allow (read,search,compare)
userdn="ldap:///anyone";)
[575 Sat Aug 09 09:55:04 root@host% /opt/sun/comms/dssetup# ]
# cat /var/tmp/dssetup_20140809095206/dssetup.ldif.rej
# Error: Type or value exists
dn: cn=CommServers,o=comms-config
changetype: modify
add: aci
aci:
(target="ldap:///cn=CommServers,o=comms-config")(targetattr!="aci")(version
3.0; acl "Anonymous access to dssetup config"; allow (read,search,compare)
userdn="ldap:///anyone";)
[576 Sat Aug 09 09:55:11 root@host% /opt/sun/comms/dssetup# ]
# cat /var/tmp/dssetup_20140809095206/dssetup.sh
#!/bin/sh
# This shell script contains the commands to run against the Directory
#set -x

#
# Usage
#
usage()
{

```

```

echo "Usage: $0 -D <binddn> -j <passwdfile>"
echo "  -D binddn bind dn"
echo "  -j <passwdfile> read bind passwd from 'file' for simple
authentication"
exit 1
}

if [ $# -lt 1 ]
then
echo "You must specify either -j"
usage
fi

jflag=0
Dflag=0
while getopts D:j: c; do
case $c in
D)
Dflag=1
BINDDN=$OPTARG;;
j)
jflag=1
pflag=-j
parg=$OPTARG;;
\?)
usage;;
esac
done
shift `expr $OPTIND - 1`

if [ $Dflag -eq 0 ]
then
echo "You must specify the -D switch"
usage
fi

if [ $jflag -eq 0 ]
then
echo "You must specify -j"
usage
fi

if [ $# -ge 1 ]
then
echo "Unrecognized argument $"
usage
fi

if [ ` /usr/bin/id | cut -d= -f2 | cut -d\ ( -f1 ` != 0 ]
then
echo
echo "To run this utility you need to be the system's root user. \n"
echo
exit 1
fi

echo -- Updating Schema files...
echo -- Copying 20subscriber.ldif
cp /opt/sun/comms/dssetup/sbin/schema/20subscriber.ldif

```

```

/var/opt/sun/directory/ds7/config/schema
echo -- Copying 50ns-delegated-admin.ldif
cp /opt/sun/comms/dssetup/sbin/schema/50ns-delegated-admin.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 50ns-mail.ldif
cp /opt/sun/comms/dssetup/sbin/schema/50ns-mail.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 50ns-mlm.ldif
cp /opt/sun/comms/dssetup/sbin/schema/50ns-mlm.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 50ns-msg.ldif
cp /opt/sun/comms/dssetup/sbin/schema/50ns-msg.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 50ns-value.ldif
cp /opt/sun/comms/dssetup/sbin/schema/50ns-value.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 55ims-ical.ldif
cp /opt/sun/comms/dssetup/sbin/schema/55ims-ical.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 56ims-schema.ldif
cp /opt/sun/comms/dssetup/sbin/schema/56ims-schema.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 65im.ldif
cp /opt/sun/comms/dssetup/sbin/schema/65im.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 70sun-schema2.ldif
cp /opt/sun/comms/dssetup/sbin/schema/70sun-schema2.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 71sun-am.ldif
cp /opt/sun/comms/dssetup/sbin/schema/71sun-am.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 60iplanet-calendar.ldif
cp /opt/sun/comms/dssetup/sbin/schema/60iplanet-calendar.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 50ns-iabs.ldif
cp /opt/sun/comms/dssetup/sbin/schema/50ns-iabs.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 98ns-dummy-uwc.ldif
cp /opt/sun/comms/dssetup/sbin/schema/98ns-dummy-uwc.ldif
/var/opt/sun/directory/ds7/config/schema
echo -- Copying 70delgated-admin.ldif
cp /opt/sun/comms/dssetup/sbin/schema/70delgated-admin.ldif
/var/opt/sun/directory/ds7/config/schema

echo -- Stopping Directory Server
/opt/dsee7/bin/dsadm stop /var/opt/sun/directory/ds7
if [ $? != 0 ]; then
echo "Stopping the Directory server failed"
exit 1
fi
sleep 5

echo -- Starting Directory Server
/opt/dsee7/bin/dsadm start /var/opt/sun/directory/ds7
if [ $? != 0 ]; then
echo "The server may not have restarted properly"
echo "Please restart it manually"
fi
sleep 5

```

```

echo -- Applying ldif file /var/tmp/dssetup_20140809095206/dssetup.ldif
cd /opt/SUNWdsee/dsee6/bin
./ldapmodify -p 389 -h host -D "$BINDDN" $pflag "$parg" -c -e
/var/tmp/dssetup_20140809095206/dssetup.ldif.rej -f
/var/tmp/dssetup_20140809095206/dssetup.ldif
stat=$?
echo -- rejects to /var/tmp/dssetup_20140809095206/dssetup.ldif.rej status =
$stat
if [ $stat -eq 0 ]; then
echo "-- ldapmodify returned $stat"
elif [ $stat -eq 20 ]; then
echo "-- WARNING: ldapmodify returned $stat"
else
echo "-- ERROR: ldapmodify returned $stat"
exit $stat;
fi
echo -- Done Applying ldif file /var/tmp/dssetup_20140809095206/dssetup.ldif
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mail
approx-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=usergroup" "mail"
"approx-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop "o=usergroup" "mail"
"approx-enabled:on"
echo

echo -- /opt/dsee7/bin/dsconf -t mail reindex o=usergroup
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg" --port
389 --hostname host --unsecured -t "mail" "o=usergroup"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "mail" "o=usergroup"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailAlternateAddress
pres-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=usergroup" "mailAlternateAddress"
"pres-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop "o=usergroup"
"mailAlternateAddress" "pres-enabled:on"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailAlternateAddress
approx-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"

```



```

--port 389 --hostname host --unsecured "o=usergroup" "mailAlternateAddress"
"approx-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop "o=usergroup"
"mailAlternateAddress" "approx-enabled:on"
echo

echo -- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailAlternateAddress
sub-enabled:on
/opt/dsee7/bin/dsconf set-index-prop --user-dn "$BINDDN" --pwd-file "$parg"
--port 389 --hostname host --unsecured "o=usergroup" "mailAlternateAddress"
"sub-enabled:on"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf set-index-prop returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf set-index-prop "o=usergroup"
"mailAlternateAddress" "sub-enabled:on"
echo

echo -- /opt/dsee7/bin/dsconf -t mailAlternateAddress reindex o=usergroup
/opt/dsee7/bin/dsconf reindex --user-dn "$BINDDN" --pwd-file "$parg" --port
389 --hostname host --unsecured -t "mailAlternateAddress" "o=usergroup"
stat=$?
if [ $stat -ne 0 ]; then
echo "-- WARNING: /opt/dsee7/bin/dsconf reindex returned $stat"
fi
echo -- Done /opt/dsee7/bin/dsconf reindex -t "mailAlternateAddress"
"o=usergroup"
echo
[577 Sat Aug 09 09:55:14 root@host% /opt/sun/comms/dssetup# ]
# cat /var/tmp/dssetup_20140809095206/dssetup.log
-----

Running /usr/bin/perl ./sbin/comm_dssetup.pl

Welcome to the Directory Server preparation tool (Comms DSsetup) 6.4.0.26.0
for
Oracle Communications Unified Communications Suite
dssetup Version 6.4.0.26.0 (built Friday, April 18, 2014 09:07:22 PM UTC)

This tool prepares your directory server for use by the
communications services which include Messaging, Calendar and their
components.

The logfile is /var/tmp/dssetup_20140809095206/dssetup.log

Do you want to continue [y]:

Please enter the full path to the directory where the
Directory Server instance(s) reside ("server-root"), or
an explicit Directory Server instance directory

Directory server root [/var/opt/sun/directory] :

Please select a directory server instance from the following list:

```

[1] ds7

Which instance do you want [1]:

Please enter the directory manager DN [cn=Directory Manager]:

stty -echo

Password:

stty echoConfiguration from DS config file:

- DS Install location: /opt/dsee7

- DS hostname: host

- DS port: 389

ldapsearch location: /opt/SUNWdsee/dsee6/bin

./ldapsearch -D "cn=Directory Manager" -j

"/var/tmp/dssetup_20140809095206/dssetup.pw" -p 389 -h host -b "cn=monitor"

-s base objectclass=top version 2>&1

./ldapsearch output: version: 1

./ldapsearch output: dn: cn=monitor

./ldapsearch output: version: Sun-Directory-Server/11.1.1.3.0 B2010.0630.2203

-- Detected DS versions:

full: 11.1.1.3.0

major: 11

minor: 1

micro: 1

patch: NONE

Detected DS version 11.1.1.3.0 on host port 389

-- Stored Dssetup data ver=6.4 rev=25.02, dctree=o=usergroup

ug=o=usergroup, schematype=2

Will this directory server be used for users/groups [yes]: A list of suffixes are as follows:

o=mlusers

o=PiServerDb

o=pab

o=usergroup

o=comms-config

Please enter the Users/Groups base suffix [o=usergroup] :

has_naming_context_ds6 get-suffix-prop result:

db-name : usergroupdb2

There are 3 possible schema types:

1 - schema 1

1.5 - schema 2 compatibility mode for schema 1 systems that has been converted with commdirmig

2 - schema 2

Please enter the Schema Type (1, 1.5, 2) [2]:

Do you want to update the schema files [yes]:

Do you want to configure new indexes [yes]:

Do you want to Reindex the new indexes now [yes]:

Here is a summary of the settings that you chose:

Server Root : /var/opt/sun/directory

```
Server Instance : ds7
Users/Groups Directory : yes
Update Schema : yes
Schema Type : 2
DC Root : o=usergroup
User/Group Root : o=usergroup
Add New Indexes : yes
ReIndex New Indexes Now : yes
Directory Manager DN : cn=Directory Manager
```

```
Now ready to generate a shell script and ldif file to modify the Directory.
No changes to the Directory Server will be made this time.
Do you want to continue [y]:
Generating files...
```

```
Checking to see if Suffixes need to be added
```

```
-----
has_naming_context_ds6 get-suffix-prop result:
db-name : comms-configdb2
```

```
-----
```

```
-----
has_naming_context_ds6 get-suffix-prop result:
db-name : usergroupdb2
```

```
-----
```

```
-----
has_naming_context_ds6 get-suffix-prop result:
db-name : pabdb2
```

```
-----
```

```
-----
has_naming_context_ds6 get-suffix-prop result:
db-name : PiServerDbdb2
```

```
-----
```

```
-----
has_naming_context_ds6 get-suffix-prop result:
db-name : mlusersdb2
```

```
-----
```

```
Checking to see that uid uniqueness plugins are turned off
Plugin is already disabled
```

```
Adding indexes
Adding Indexes for User/group Tree (backend:usergroupdb2)
Checking indexes for cn
Index exists
Index eq found
Index pres found
Index sub found
Index eq exists
```

```

Default index pres found
Default index eq found
Default index sub found
No new indexes required
Checking indexes for cosspecifier
Index exists
Index eq found
Index pres found
Index pres exists
No new indexes required
Checking indexes for inetCos
Index exists
Index eq found
Index pres found
Index eq exists
No new indexes required
Checking indexes for memberOf
Index exists
Index eq found
Index pres found
Index sub found
Index eq exists
Index sub exists
No new indexes required
Checking indexes for mail
Index exists
Index eq found
Index pres found
Index sub found
Index pres exists
Index eq exists
Index approx does not exist
Index sub exists
Default index pres found
Default index eq found
Default index sub found
New indexes and Reindexing required
ReIndex will happen for index type mail
Checking indexes for groupid
Index exists
Index eq found
Index pres found
Index sub found
Index pres exists
Index eq exists
Index sub exists
No new indexes required
Checking indexes for mailAlternateAddress
Index exists
Index eq found
Index pres does not exist
Index eq exists
Index approx does not exist
Index sub does not exist
Default index eq found
New indexes and Reindexing required
ReIndex will happen for index type mailAlternateAddress
Checking indexes for icsCalendar
Index exists

```

Index eq found
Index pres found
Index sub found
Index approx found
Index pres exists
Index eq exists
Index approx exists
Index sub exists
No new indexes required
Checking indexes for ou
Index exists
Index eq found
Index pres found
Index pres exists
No new indexes required
Checking indexes for member
Index exists
Index eq found
Index eq exists
Default index eq found
No new indexes required
Checking indexes for uniqueMember
Index exists
Index eq found
Index eq exists
Default index eq found
No new indexes required
Checking indexes for mailEquivalentAddress
Index exists
Index eq found
Index pres found
Index sub found
Index approx found
Index pres exists
Index eq exists
Index approx exists
Index sub exists
No new indexes required
Checking indexes for deleted
Index exists
Index eq found
Index pres found
Index pres exists
Index eq exists
No new indexes required
Checking indexes for mgrpUniqueId
Index exists
Index eq found
Index pres found
Index eq exists
No new indexes required
Checking indexes for davuniqueid
Index exists
Index eq found
Index pres found
Index pres exists
Index eq exists
No new indexes required
Checking indexes for mailUserStatus

```
Index exists
Index eq found
Index pres found
Index pres exists
Index eq exists
No new indexes required
Checking indexes for icsCalendarOwned
Index exists
Index eq found
Index pres found
Index sub found
Index approx found
Index pres exists
Index eq exists
Index approx exists
Index sub exists
No new indexes required
Adding Schema2 specific Indexes for User/Group Tree (backend:usergroupdb2)
Checking indexes for inetDomainBaseDN
Index exists
Index eq found
Index pres found
Index pres exists
Index eq exists
No new indexes required
Checking indexes for sunOrganizationAlias
Index exists
Index eq found
Index pres found
Index pres exists
Index eq exists
No new indexes required
Checking indexes for sunPreferredDomain
Index exists
Index eq found
Index pres found
Index pres exists
Index eq exists
No new indexes required
Checking indexes for mailDomainStatus
Index exists
Index eq found
Index pres found
Index pres exists
Index eq exists
No new indexes required
Checking indexes for o
Index exists
Index eq found
Index pres found
Index pres exists
Index eq exists
No new indexes required
Checking indexes for associatedDomain
Index exists
Index eq found
Index pres found
Index pres exists
Index eq exists
```

```

No new indexes required
Adding Indexes for PAB Tree (backend:pabdb2)
Checking indexes for memberOfManagedGroup
Index exists
Index eq found
Index pres found
Index pres exists
Index eq exists
No new indexes required
Checking indexes for memberOfPABGroup
Index exists
Index eq found
Index pres found
Index pres exists
Index eq exists
No new indexes required
Checking indexes for memberOfPAB
Index exists
Index eq found
Index pres found
Index pres exists
Index eq exists
No new indexes required
Checking indexes for un
Index exists
Index eq found
Index pres found
Index eq exists
No new indexes required
Adding Indexes for New PAB Tree (backend:PiServerDbdb2)
Checking indexes for MemberOfPiBook
Index exists
Index eq found
Index pres found
Index eq exists
No new indexes required
Checking indexes for MemberofPiGroup
Index exists
Index eq found
Index pres found
Index eq exists
No new indexes required
Checking indexes for displayname
Index exists
Index eq found
Index pres found
Index sub found
Index pres exists
Index eq exists
Index sub exists
No new indexes required
Adding Indexes for Mailing List Tree (backend:mlusersdb2)
Checking indexes for mail
Index exists
Index eq found
Index pres found
Index sub found
Index eq exists
Default index pres found

```

```

Default index eq found
Default index sub found
No new indexes required
Checking indexes for mlsubMail
Index exists
Index eq found
Index pres found
Index eq exists
No new indexes required
Checking indexes for mlsubListIdentifier
Index exists
Index eq found
Index pres found
Index eq exists
No new indexes required

Checking to see if DN needs to be created for suffixes

Generating ldif for installer metadata
Generating ldif for Adding schema for installer metadata
Generating ldif for updating DN for cn=CommServers,o=comms-config
The following files have been created:
/var/tmp/dssetup_20140809095206/dssetup.sh
/var/tmp/dssetup_20140809095206/dssetup.ldif

Running /var/tmp/dssetup_20140809095206/dssetup.sh will make changes to the
Directory
You can run this file now or at a later time
Ready to execute the script now.

Do you want to continue [y]:
Running /var/tmp/dssetup_20140809095206/dssetup.sh -D "cn=Directory Manager"
-j /var/tmp/dssetup_20140809095206/dssetup.pw
-- Updating Schema files...
-- Copying 20subscriber.ldif
-- Copying 50ns-delegated-admin.ldif
-- Copying 50ns-mail.ldif
-- Copying 50ns-mlm.ldif
-- Copying 50ns-msg.ldif
-- Copying 50ns-value.ldif
-- Copying 55ims-ical.ldif
-- Copying 56ims-schema.ldif
-- Copying 65im.ldif
-- Copying 70sun-schema2.ldif
-- Copying 71sun-am.ldif
-- Copying 60iplanet-calendar.ldif
-- Copying 50ns-iabs.ldif
-- Copying 98ns-dummy-uwc.ldif
-- Copying 70delgated-admin.ldif
-- Stopping Directory Server
Directory Server instance '/var/opt/sun/directory/ds7' stopped
-- Starting Directory Server
Directory Server instance '/var/opt/sun/directory/ds7' started: pid=21782
-- Applying ldif file /var/tmp/dssetup_20140809095206/dssetup.ldif
ldap_modify: Type or value exists
modifying entry cn=schema

modifying entry cn=schema

```



```

modifying entry cn=CommServers,o=comms-config

modifying entry cn=CommServers,o=comms-config

-- rejects to /var/tmp/dssetup_20140809095206/dssetup.ldif.rej status = 20
-- WARNING: ldapmodify returned 20
-- Done Applying ldif file /var/tmp/dssetup_20140809095206/dssetup.ldif

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mail approx-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mail o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup mail
approx-enabled:on

-- /opt/dsee7/bin/dsconf -t mail reindex o=usergroup
## usergroupdb2: Indexing attribute: mail
## usergroupdb2: Index buffer bucket size: 100
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t mail o=usergroup

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailAlternateAddress
pres-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailAlternateAddress o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailAlternateAddress
pres-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailAlternateAddress
approx-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailAlternateAddress o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailAlternateAddress
approx-enabled:on

-- /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailAlternateAddress
sub-enabled:on
Index will not be used unless re-indexed.
Use "dsconf reindex --attr mailAlternateAddress o=usergroup" to reindex.
-- Done /opt/dsee7/bin/dsconf set-index-prop o=usergroup mailAlternateAddress
sub-enabled:on

-- /opt/dsee7/bin/dsconf -t mailAlternateAddress reindex o=usergroup
## usergroupdb2: Indexing attribute: mailAlternateAddress
## usergroupdb2: Index buffer bucket size: 100
## usergroupdb2: Finished indexing.

Task completed (slapd exit code: 0).
-- Done /opt/dsee7/bin/dsconf reindex -t mailAlternateAddress o=usergroup

Successful Completion. Consult /var/tmp/dssetup_20140809095206/dssetup.log

```

for details

```
[578 Sat Aug 09 09:55:15 root@host% /opt/sun/comms/dssetup# ]
```

Chapter 21. Get the Software to Install Communications Suite 7.0.6

Get the Software to Install Oracle Communications Unified Communications Suite 7.0.6

Topics:

- [Downloading Unified Communications Suite 7.0.6 Software](#)
- [Downloading Optional Software for Unified Communications Suite 7.0.6](#)
- [Notes and Caveats](#)
- [Installing Communications Suite 7.0.6](#)

Downloading Unified Communications Suite 7.0.6 Software

1. Download the media packs you need for Oracle Communications Unified Communications Suite 7.0.6 from the Oracle software delivery website, located at:
<http://edelivery.oracle.com/>
The software media packs for Unified Communications Suite, Oracle Directory Server Enterprise Edition, Connector for Microsoft Outlook, and Mobile Synchronization Server are separate downloads. For Microsoft Outlook, the 32-bit and 64-bit versions refer to the version of Outlook, not the Windows operating system. You only need to download Oracle Directory Server Enterprise Edition if your site currently does not have Director Server deployed.
2. Copy the Communications Suite distribution ZIP file to a temporary directory on your hosts and extract the files.
3. Check for current patches that have shipped since the initial Communications Suite 7.0.6 release on My Oracle Support at:
<https://support.oracle.com>
The following patches are now available:
 - Messaging Server 7.0.5.33.0
 - Delegated Administrator 7.0.0.10



Note

To get older versions of Unified Communications Suite, contact your Oracle account representative or support representative.

Downloading Optional Software for Unified Communications Suite 7.0.6

In addition to Communications Suite 7.0.6 software, you might need some or all of the following software, which you download separately. For information on supported software versions, see [Requirements for Communications Suite 7.0.6](#).

- Java
 - See [Installing Java For Communications Suite 7.0.6](#) to determine which versions you need.
 - The 32-bit and 64-bit JDKs require manual installation. Install both JDKs, rather than the JRE.
 - Download the Java software from Java SE Downloads at:
<http://www.oracle.com/technetwork/java/javase/downloads/index.html>
- Oracle GlassFish Server 3.1.2.8 or greater (but not GlassFish Server 4.x)

- Download the platform-specific patch from My Oracle Support at:
<https://support.oracle.com>



Note

32-bit Solaris platforms are not supported.

- Sun GlassFish Enterprise Server 2.1.1 with HADB
 - To get the platform-specific version of GlassFish Server software, go to My Oracle Support at:
<https://support.oracle.com>
 - Search for the following patch IDs. If these patches are superseded by another patch, use the more recent patch.
 - Solaris SPARC: 128643-34
 - Solaris x86: 128644-34
 - Red Hat Linux and Oracle Linux: 128645-34



If you do not have an existing support ID, to get GlassFish Server software, go to the Oracle software delivery web site, located at:
<http://edelivery.oracle.com/>

- Database software for Calendar Server or Contacts Server back end (calendar store and contacts store)
 - To get Oracle Database, download the software from the Oracle Technology Network website at:
<http://www.oracle.com/technetwork/database/enterprise-edition/downloads/index.html> or
 - To get MySQL Server, download the software from My Oracle Support at:
<http://support.oracle.com>
- Oracle Communications Converged Application Server 5.1 for Instant Messaging Server 9.0.2.6 SIP/SIMPLE deployments
 - Download the media pack for Oracle Communications Converged Application Server 5.1 from the Oracle software delivery website, located at:
<http://edelivery.oracle.com/>
- Oracle iPlanet Web Server for Delegated Administrator 7 deployments
 - Download the software from the Oracle iPlanet Web Server Download site at:
<http://www.oracle.com/technetwork/java/webtier/downloads/iplanet-webserver-525365.html>

For more information about Communications Suite 7.0.6 component product dependencies, see [Requirements for Communications Suite 7.0.6](#).

Notes and Caveats

If you order a Communications Suite DVD, it only contains Communications Suite software. The DVD does not contain Directory Server or GlassFish Server.

Installing Communications Suite 7.0.6

After downloading the Unified Communications Suite 7.0.6 and component product software, proceed to [Communications Suite 7.0.6 Installation Guide](#) for instructions on installing your Communications Suite deployment.

Chapter 22. Installation Scenario - Directory Server

Installation Scenario - Oracle Directory Server Enterprise Edition

Topics:

- [Assumptions](#)
- [Which Software Components and Downloads Do You Need?](#)
- [To Install Directory Server Enterprise Edition 11g R1](#)

Assumptions

This scenario shows how to install Directory Server on a separate host using the following assumptions:

- You are deploying Communications Suite on multiple hosts or Solaris zones.
- This Directory Server installation is one functional component of your multi-host deployment.
- You are installing Directory Server on a separate host or Solaris zone. You are not bundling Directory Server with Communication Suite products on the same host.
- If you are deploying multiple instances of Directory Server across several hosts or zones, you can follow these instructions for each host on which you install Directory Server.

Which Software Components and Downloads Do You Need?

- Oracle Directory Server Enterprise Edition 11g Release 1
- Communications Suite--for the Directory Server setup script, `comm_dssetup.pl`

For details on downloading these components, see [Get the Software to Install Communications Suite 7.0.6](#).

To Install Directory Server Enterprise Edition 11g R1

Oracle Directory Server Enterprise Edition 11g Release 1 is the preferred version for Communications Suite. This task assumes you have downloaded the Directory Server software and unzipped it into the temporary directory, `/var/tmp/DS`. Choose a "scratch" directory that makes sense in your own environment.

1. [Run the Communications Suite installer](#).
When the Communications Suite installer lists the components to install, select the Directory Server setup script, `comm_dssetup.pl`. Do not select other components unless you also plan to install them on this host or zone.
2. Check for the existence of the `/opt/SUNWdsee` directory. If this directory does not exist, create it:

```
mkdir /opt/SUNWdsee
```

3. Unzip the Directory Server software and run the Directory Server installer.

```
cd /var/tmp/DS
unzip -qq sun-dsee7.zip -d /opt/SUNWdsee
```

The installation installs the Directory Server bits in the specified location, /opt/SUNWdsee.

4. Create the Directory Server instance.

```
mkdir /var/opt/SUNWdsee
cd /opt/SUNWdsee/dsee7/bin
./dsadm create -p 389 -P 636 /var/opt/SUNWdsee/dsins1
Choose the Directory Manager password: <password>
Confirm the Directory Manager password: <password>
```

5. Start the Directory Server instance.

```
./dsadm start /var/opt/SUNWdsee/dsins1
```

6. If you need more information, see the topic on installing Directory Server Enterprise Edition in *Oracle Fusion Middleware Installation Guide for Oracle Directory Server Enterprise Edition*.

7. [Run the Directory Server setup script, comm_dssetup.pl.](#)

The `comm_dssetup.pl` script modifies Directory Server with schema needed by Communications Suite products.

Chapter 23. Installation Scenario - GlassFish Server

Installation Scenario - Sun Enterprise GlassFish Server Version 2.1.1



Note

Starting with Communications Suite 7.0.5.0.0, some component products no longer support GlassFish Server 2.1.1 as their web container. They must now use Oracle GlassFish Server 3.1.2. For more information on which component products support GlassFish Server 3.1.2, see [Product Version Compatibility Requirements](#). For information about installing GlassFish Server 3.1.2, see [Oracle GlassFish Server 3.1.2 Installation Guide](#).

Topics:

- [GlassFish Server Overview](#)
- [To Install and Configure GlassFish Server 2.1.1](#)
- [To Complete the GlassFish Server 2.1.1 Configuration](#)

GlassFish Server Overview

Sun Enterprise GlassFish Server 2.1.1 is the primary web container used by Communications Suite 7 Update 4 component products. For complete installation instructions, see [Sun GlassFish Enterprise Server 2.1.1 Installation Guide](#). The following procedures summarize the process.

For details on downloading the software, see [Get the Software to Install Communications Suite 7.0.6](#).



Tip

If you are installing GlassFish Server to be the web container for Indexing and Search Service, see [Step 2, To Complete the GlassFish Server 2.1.1 Configuration](#), before starting.



Note

Starting with Communications Suite 7 Update 3, the Communications Suite installer no longer installs Java. To install Java for Communications Suite, see [Installing Java For Communications Suite 7.0.6](#).

To Install and Configure GlassFish Server 2.1.1

1. Before installing GlassFish Server 2.1.1, check that the Java version on the system is at least Version 1.6. To check the Java version, type the following command:

```
# java -version
```

The shell returns results that look similar to the following:

```
java version "1.6.0_06"  
Java(TM) SE Runtime Environment (build 1.6.0_06-b03)  
Java HotSpot(TM) Server VM (build 20.1-b02, mixed mode)
```

2. If you need to update your Java software, see the [Java SE downloads](#) site.
3. Create a directory for the GlassFish software (for example, /var/tmp), copy the GlassFish software to this directory, then launch the installer.

```
# cd /var/tmp  
# chmod +x <distribution-filename>  
# ./<distribution-filename> -console -javahome /usr/jdk/latest
```

4. When prompted, press Enter to continue.
5. Accept the License Agreement by typing yes when prompted.
The following table shows the options that the installation script prompts you to answer, and the default values for the options.

GlassFish Server 2.1.1 Settings

Option	Default Value
Installation Directory	/opt/SUNWappserver
Create Directory or Choose New	Create Directory
Install Node Agent	yes
Install High Availability Database Server	no
Install Load Balancing Plugin	no
Install Domain Administration Server	yes
Install Sample Applications	yes Type no if you do not want the sample applications.
Install or reuse Java 2 SDK	Install You can reuse if the Java SDK version is 1.6 or higher.
Path to Java 2 SDK 5.0 or greater	/usr/jdk/instances/jdk1.6.0
Admin User	admin
Admin User's Password	—
Master Password for SSL Certificate	—
Admin Port	4848
HTTP Port	8080
HTTPS Port	8181
Enable Updatecenter client	yes Type no
Upgrade from previous AS version	no

6. At the Ready to Install prompt, type 1 (to Install Now).
The installation begins.
7. At the Installation Successful screen, press Enter to exit the installation program.
8. Verify the GlassFish Server version.
 - a. To verify the GlassFish Server 2.11 version you have installed:

```
# /opt/SUNWappserver/bin/asadmin version
```

- b. To see the profile type:


```
# grep -i admin_profile /opt/SUNWappserver/config/asadminenv.conf
```

- c. To see environment variables, examine the `asenv.conf` file, for example:

```
# grep -i hadb /opt/SUNWappserver/config/asenv.conf  
# grep -i jdk /opt/SUNWappserver/config/asenv.conf
```

- d. To see the Java version:

```
# /opt/SUNWappserver/jdk/bin/java -version  
java version "1.6.0_37"  
Java(TM) SE Runtime Environment (build 1.6.0_37-b03)  
Java HotSpot(TM) Server VM (build 20.1-b02, mixed mode)
```

9. Start the GlassFish Server, for example:

```
# /opt/SUNWappserver/bin/asadmin start-domain domain1  
Starting Domain domain1, please wait.  
Log redirected to /opt/SUNWappserver/domains/domain1/logs/server.log.  
Please enter the admin user name>admin  
Please enter the admin password><adminpass>  
Please enter the master password><adminpass>
```

10. Continue with the next task.

To Complete the GlassFish Server 2.1.1 Configuration

You might need to make a few additional changes to the configuration settings in the GlassFish Server installation:

1. If you did not already set the location of JDK 6 during the installation, edit the `asenv.conf` file (by default, located in `/opt/SUNWappserver/config/asenv.conf`). Change the value for `AS_JAVA` to the location of JDK 6, for example:

```
AS_JAVA="/usr/jdk/instances/jdk1.6.0"
```

2. If you are using Oracle GlassFish Message Queue (which ships with Communications Suite 7 Update 4), for example, to use Indexing and Search Service, move the embedded JMQ server that comes with Glassfish Server to another port to avoid a conflict:

- a. Edit the `/opt/SUNWappserver/domains/domain1/config/domain.xml` file.

- b. Find the following line in the

`/opt/SUNWappserver/domains/domain1/config/domain.xml` file:

```
<jms-host admin-password="<adminpwd>" admin-user-name="<admin>"  
host="<hostname>" name="default_JMS_host" port="7676"/>
```

- c. Change `port="7676"` to a value such as `port="7677"`.

**Note**

You can avoid this situation by first running the Communications Suite installer, installing the Message Queue software that is provided with the installer, then starting Message Queue before installing GlassFish Server. Then, when you install GlassFish Server, the installation automatically selects a new port if it detects an already-started JMQ running on port 7676.

3. To restrict viewing the listing of the `iwc_static/layout` directory in Convergence, change the value of the `init-param` listings to `false` for `DefaultServlet` in `default-web.xml`, located in: `/opt/SUNWappserver/domains/domain1/config/`. For example:

```
<servlet>
  <servlet-name>default</servlet-name>

  <servlet-class>org.apache.catalina.servlets.DefaultServlet</servlet-c
  .
  <init-param>
    <param-name>debug</param-name>
    <param-value>0</param-value>
  </init-param>
  <init-param>
    <param-name>listings</param-name>
    <param-value>>false</param-value>
  </init-param>
  <load-on-startup>1</load-on-startup>
</servlet>
```

4. Restart GlassFish Server, for example:

```
# /opt/SUNWappserver/bin/asadmin stop-domain domain1
Domain domain1 stopped.
# /opt/SUNWappserver/bin/asadmin start-domain domain1
Starting Domain domain1, please wait.
Log redirected to /opt/SUNWappserver/domains/domain1/logs/server.log.
Please enter the admin user name>admin
Please enter the admin password>adminpass
Please enter the master password>adminpass
```

Chapter 24. Communications Suite 7.0.6 on a Single Host

Deployment Example: Oracle Communications Unified Communications Suite 7.0.6 on a Single Host

This deployment example describes how to install Oracle Communications Unified Communications Suite (UCS) 7.0.6 software on one computer for a functioning deployment. This document is intended for any evaluator, system administrator, or installation technician who wants to install and evaluate the services delivered by these components.



Note

Installing the back-end messaging, calendar, instant messaging, and address book servers on the same system is not the optimal configuration, nor does it provide the best performance. This example deployment is not intended for production purposes. Use this configuration for evaluation and for training purposes only. Performance is better if you install services on separate machines. For more information on deploying Communications Suite, see *Unified Communications Suite Deployment Planning Guide*.

Topics:

- [About This Deployment Example](#)
- [Installing the Example](#)
- [Installing Communications Suite Components](#)
- [Installing and Configuring Directory Server](#)
- [Downloading and Installing Java](#)
- [Installing and Configuring GlassFish Server 2.1.1](#)
- [Installing and Configuring GlassFish Server 3](#)
- [Configuring Communications Suite Components](#)
- [Creating Additional User Accounts and Groups](#)
- [Known Issues and Limitations](#)

About This Deployment Example

This section provides an overview of this deployment scenario, the hardware and software used, and the procedures you follow to install, configure, and use this deployment.

This section contains the following topics:

- [Installation Overview](#)
- [Implementation Specifications for This Example](#)
- [Installation Time Estimates](#)
- [Installation Notes and Recommendations](#)
- [Summary of Installation and Configuration](#)

Installation Overview

This scenario results in a functioning deployment suited for the evaluation and testing of Oracle Communications Unified Communications Suite 7.0.6 for Solaris OS 10. These instructions are not

intended to act as a replacement for the individual component product documentation, but merely to guide the evaluator through an initial installation.

What Components Are Installed?

This example guides you through installing the following Communications Suite components:

- Messaging Server 7.0.5.31.0
- Calendar Server 7.0.4.15.0
- Instant Messaging 9.0.2.6.0
- Directory Server 7.0.1 (Oracle Directory Server Enterprise Edition 11g R1 Patch Set 2)
- GlassFish Enterprise Server 2.1.1 Patch 21 with HADB support
- GlassFish Server 3.1.2 Patch 8 with HADB support
- Delegated Administrator 7.0.0.9.0
- Convergence 3.0.0.1.0
- Contacts Server 8.0.0.0.0
- Indexing and Search Service 1.0.5.22.0
- MySQL 5.5.38 or later; for new installations, download the most recent version.
- Java SE 7u55 or later

The example installation in this document uses the following data that you change according to your installation and test machine:

- Domain name: `comms.example.com`
- Host name: `wireless` (running Solaris OS 10)
- Fully qualified (external) host name: `wireless.comms.example.com`
- Password: `adminpass` used for all passwords

This example installs all of the software on a single system. Adjust host names accordingly if you install the components on multiple systems.

Recommended Ports

For convenience, this example uses a set of recommended ports. If you use different ports, be sure to make the changes consistently throughout the installation. For example, this document uses port 4848 for the GlassFish Server admin port. If you decide to use port 3333 instead, be sure to change it everywhere 4848 occurs in the deployment example. See [Table 3](#) for more information.

Implementation Specifications for This Example

This section describes implementation specifications for this example.

Table 1 Evaluation Host Hardware and Software Requirements

Component	Platform Requirement
CPU	SPARC or x86 64-bit
RAM	2 Gbytes or more
Disk Space	8.5 Gbytes or more free disk space for installation. As much as 5.4 Gbytes of this space is for zip files and unzipped directories. Removing zip files after unzipping them reduces the disk space requirement from 8.5 Gbytes to 6.8 Gbytes.
Software	Minimally, Solaris 10 Operating System Update 10 is recommended for all products except Contacts Server which requires Solaris 11. Solaris 11 is supported on all products except Delegated Administrator.
Users	Provisioned with test users.

Table 2 Client Software Requirements

Component	Platform Requirement
Browser	Firefox 3.6.x or later (the most recent Firefox is recommended), Internet Explorer 7.x or later, Safari 5.x, Chrome

Table 3 Server Configuration Information

Component	Install Notes	Install Location	Database Location	Port Name and Number
GlassFish Server 2.1.1	Installed separately. Required for Delegated Administrator.	/opt/SUNWappserver	Not applicable	HTTP Port: 7080 Admin Port: 7888 HTTPS Port: 8282
GlassFish Server 3	Installed separately. Required for Convergence.	/opt/glassfish3	Not applicable	HTTP Port: 80 Admin Port: 4848 HTTPS Port: 443
GlassFish Server 3	Installed separately. Required for Indexing and Search Service.	/opt/glassfish3	Not applicable	HTTP Port: 8280 Admin Port: 8288 HTTPS Port: 8281
GlassFish Server 3	Installed separately. Required for Calendar Server 7.	/opt/glassfish3	Not applicable	HTTP Port: 8080 Admin Port: 8800 HTTPS Port: 8181

GlassFish Server 3	Installed separately. Required for Contacts Server.	/opt/glassfish3	Not applicable	HTTP Port: 9080 Admin Port: 9888 HTTPS Port: 9191
GlassFish Message Queue	Installed by Communications installer. Additional configuration required.	/etc/imq	Not applicable	JMQ Port: 7676
Directory Server 11gR1	Installed separately. This version is not included with Identity Management Suite.	/opt/SUNWdsee	/var/opt/SUNWdsee	Directory Server Port: 389 LDAP Port: 389 SSL Port: 636
Messaging Server 7.0.5.31.0	Installed by using Communications Installer. Additional configuration required.	/opt/sun/comms/messaging64	/var/opt/sun/comms/messaging64	Webmail Port (HTTP): 8990 SMTP Port: 25 POP Port: 110 IMAP Port: 143
Instant Messaging Server 9.0.2.6.0	Installed by using Communications Installer. Additional configuration required.	/opt/sun/comms/im	/var/opt/sun/comms/im	XMPP Port: 5222 Multiplexed XMPP Port: 45222 Gateway Connector Port: 55222 XMPP Server Port: 5269 Notification Server Port: 47676
MySQL 5.5.8, or later, but <i>not</i> MySQL 5.5.29	Installed separately. Required for Calendar Server 7.0.4.15.0.	/opt/mysql	/var/mysql/caldav	DB Port: 3306

Calendar Server 7.0.4.15.0	Installed by using Communications Installer. Additional configuration required.	/opt/sun/comms/davserver	/var/mysql/caldav	HTTP Port: 8080 Admin Port: 8800 HTTPS: 8181 JMQ Port: 47676
Convergence 3.0.0.1.0	Installed by using Communications Installer. Additional configuration required.	/opt/sun/comms/iwc	/var/opt/sun/comms/iwc	Server Instance HTTP Port: 80 Administration Server Port: 4848
Contacts Server 8.0	Installed by using Communications Installer. Additional configuration required.	/opt/sun/comms/nabserver	/var/mysql/nab	HTTP Port: 9080 Admin Port: 9888 HTTPS Port: 9191 JMQ Port: 97676
Java	Installed separately. Required for UCS 7.0.6	/usr/jdk	Not applicable	Not applicable
Indexing and Search Service 1.0.5.22.0	Installed by using Communications Installer. Additional configuration required.	/opt/sun/comms/jiss	/var/opt/sun/comms/jiss	HTTP Port: 8280 Admin Port: 8288 HTTPS Port: 8281 IMAP Port: 143 JMQ Port: 7676 Directory Server Port: 389

Installation Time Estimates

The following table provides time estimates for installing this example.

Table 4 Installation Time Estimates

Activity	Estimate
Install Solaris OS	2 hours
Install Communications Suite, GlassFish Server and Directory Server	1 hour
Configure software	3 hours
Total	6 hours (average)

As part of the configuration, you use Delegated Administrator to add users for Messaging Server, Calendar Server and Instant Messaging Server.



Note

Communications Suite 7.0.6 is supported on Solaris 11 but some components support both Solaris 10 and Solaris 11. We base our installation instructions on Solaris 10 Update 10.

Installation Notes and Recommendations

1. Use `gzip -d` or `gunzip` to decompress the *.gz files.
2. Use `unzip` to decompress the *.zip files.

User Input

During installation, there are prompts in angled brackets for user input, for example: **<sample-password>**. The following table lists prompts you are likely to encounter.

Table 5 Prompts for User Input

Prompt	User Action
<enter>	To accept a default value, press Enter.
<sample-password>	Enter a password of at least 8 characters that is suitable for evaluation purposes. Use the same password wherever <sample-password> is required.
<fully-qualified-hostname>	Enter a host name in combination with a domain name. For example, if the host name is abc and the domain name is demo . xyz . com, enter abc . demo . xyz . com.
<full-cookie-domainname>	Enter a domain name preceded by a period. For example, if the full domain name is demo . xyz . com, enter . demo . xyz . com.

Summary of Installation and Configuration

Installing and configuring this example involves the following high-level steps:

1. Preparing the system for Communications Suite
2. Running the Communications Installer to install the Communications Suite component software
3. Installing and Configuring Directory Server
4. Installing Java (which is no longer shipped as part of the Communications Suite bundle)
5. Installing and Configuring GlassFish Server
6. Preparing Directory Server for Communications Suite
7. Configuring Delegated Administrator and Communications CLI
8. Configuring Messaging Server
9. Installing and configuring MySQL Server
10. Configuring Calendar Server 7
11. Configuring Contacts Server

12. Configuring Instant Messaging
13. Configuring Indexing and Search Service
14. Configuring Convergence
15. Configuring users

These installation steps result in a suitable deployment to evaluate and test Communications Suite 7.0.6. These instructions are not intended to act as a replacement for the individual component documentation, but to merely guide the evaluator through an initial installation.

Installing the Example

This section describes how to install and configure components on a single machine for evaluation purposes. Some components are configured after installation, using component configuration tools.



Note

Unless otherwise indicated, all of the examples and instructions in this document assume that you are logged in as `root`.

This section contains the following topics:

- [Checking Installation Requirements](#)
- [Getting the Necessary Software](#)

Checking Installation Requirements

Before you install components, use the steps in this section to make sure the computer on which you are installing is ready. These instructions assume all actions are performed by the `root` user.

To Check System Requirements

- Make sure that the computer meets the requirements specified in [Table 1](#).

To Check DNS

Verify that DNS is running and configured properly:

1. Make sure that the `/etc/resolv.conf` file has name server entries with the IP addresses of valid name servers. For example:

```
domain comms.example.com
nameserver 192.168.100.22
nameserver 192.168.100.23
nameserver 192.168.100.24
nameserver 192.168.100.25
```

2. Make sure that the `/etc/hosts` file has an entry for the fully qualified host name of the server. This fully qualified host name should be listed before the non-fully qualified host name. For example:

```
10.1.82.52 wireless.comms.example.com wireless loghost
```

3. Make sure that the `/etc/nsswitch.conf` file is configured to use files first to resolve host names. The hosts line in the `nsswitch.conf` file should list files first in its entry:

```
hosts: files dns nis [NOTFOUND=return]
# OR (if NIS is not used)
hosts: files dns
```

Getting the Necessary Software

To Get the Software

- [Get the Software to Install Communications Suite 7.0.6](#) from the Communications Suite 7.0.6 download site.
- See [Oracle Support](#) for the most recent patches for Communications Suite component products.

Installing Communications Suite Components

Deploying Communications Suite components is a two-step process. You first install the software and the shared components then you configure the individual server components.

This section contains the following topics:

- [Before You Begin](#)
- [Installing Communications Suite 7.0.6 Software](#)

Before You Begin

Before you configure the Communications Suite software, you need to create the `mailsrv` user and disable the `sendmail` process. The `mailsrv` user is used to configure Messaging Server.

- Messaging Server requires a mail server user, which must exist before you can finish the installation. You can skip this step, because the group and user are created during the configuration time. However, you might want to create the `mailsrv` user yourself as shown below. For this installation, use the `useradd` command to create a user with username `mailsrv` and group `mail`. You use this ID in Step 2 in the [Configuring Messaging Server](#) section.

Type the following commands to create the user `mailsrv` with a user ID of 7633, a group ID of `mail`, and a user home directory of `/export/home/mailsrv`.

```
/usr/sbin/groupadd mail
mkdir -p /export/home
/usr/sbin/useradd -u 7633 -g mail -d /export/home/mailsrv -m mailsrv
```



Note

If the `mailsrv` user is already in use, this could be an indication that `mailsrv` is not a local user as required by the Messaging Server. Messaging Server requires a local user and group and not one defined in a naming service such as NIS. You should create a different user such as `mailsrv2` but be sure to change the reference to that user when prompted for the mail server username. For example:

```
/usr/sbin/useradd -u 7633 -g mail -d /export/home/mailsrv2 -m mailsrv2
```

To Disable sendmail

- Prior to configuring Messaging Server, use the following procedures to kill the `sendmail` process and prevent it from starting during bootup.

```
svcadm disable sendmail
```

- If there are two sendmail processes and one of the processes still lingers after running the command above, execute the following commands:

```
/usr/sbin/svcadm disable svc:/network/smtp:sendmail  
/usr/sbin/svcadm disable svc:/network/sendmail-client:default
```

**Note**

If end users (or system utilities, for example, cron) send messages through sendmail clients, you can configure Messaging Server to work with those clients over protocol. Users can continue to use the UNIX sendmail client. See "Handling sendmail Clients" in *Messaging Server System Administrator's Guide*.

Installing Communications Suite 7.0.6 Software

This section describes how to install the Communications Suite software on your host.

To Install the Communications Suite Software

1. Create a /tmp/UCS7U6 directory, move the Communications Suite 7.0.6 software zip file (V40381-01.zip) to this directory, and extract the files.

```
cd /tmp/UCS7U6  
unzip V40381-01.zip
```

2. Run the Communications Suite installer, which is in the root of the directory in which you unzipped the file, using the OSversionOverride switch.

```
./commpkg --OSversionOverride install
```

**Note**

The OSversionOverride switch is needed if you want to install Contacts Server on an unsupported OS (in this case Solaris 10) or the Delegated Administrator component which is unsupported on Solaris 11. Hence, if you need to evaluate all UCS components on a Solaris 10 or 11 system, the OSversionOverride switch is necessary. If you do not need to install all the components, the commpkg install command automatically presents the list of components that are supported on the machine's Operating System.

**Note**

Delegated Administrator 7.0.0.10.0, released after the release of the Communications Suite 7.0.6, supports Solaris 11 and GlassFish Server 3.

3. Accept the License Agreement by typing **Yes** if prompted.

4. Accept the default Install location: /opt/sun/comms .
5. Select the following components for installation (they correspond to selections 1-8):
 - Messaging Server (64bit) 7.0.5.31.0
 - Comms DSsetup 6.4.0.26.0
 - Calendar Server 7.0.4.15.0
 - Instant Messaging 9.0.2.6.0
 - Convergence 3.0.0.1.0
 - Indexing and Search Service 1.0.5.22.0
 - Comms Delegated Administrator 7.0.0.9.0
 - Contacts Server 8.0.0.0.0

6. The installation script may prompt for options, depending on your system.
The following table shows how to respond to the configuration options:

Table 6 Values for NSS, Message Queue, and Message Queue Localization

Option	[Default Value]	Enter:
Change pkg versions for NSS/NSPR/JSS	[n]	y

7. Press Return when prompted to continue.
The installation proceeds.
8. Press Return when prompted to continue.
9. Continue with the next section.

Installing and Configuring Directory Server

Directory Server 7.0.1 (Oracle Directory Server Enterprise Edition 11g Release 1 Patch Set 2) is the preferred version of Directory Server. To install and configure Directory Server 7.0.1:

1. Download the Directory Server 7.0.1 (ODSSEE11g) software:
 - a. Go to the [Oracle Software Delivery Cloud](#).
 - b. Select Oracle Fusion Middleware product pack.
 - c. Select the Oracle Fusion Middleware Identity Management 11g R2 Media Pack.
 - d. Select Oracle Fusion Middleware 11g Media Pack for Oracle Solaris on SPARC (64-bit) for download.
2. Check for the existence of the /opt/SUNWdsee directory.
If the directory does not exist, create it:

```
mkdir /opt/SUNWdsee
```

3. Move the downloaded Directory Server zip file, V35072-01.zip, to a temporary location, such as /temp/DS, then unzip the file, change to the distribution directory, and unzip the installation file into the /opt/SUNWdsee directory.

```
mkdir temp/DS
cp V35072-01.zip /tmp/DS
cd /temp/DS
unzip unzip V35072-01.zip
cd ODSEE_ZIP_Distribution
unzip -qq sun-dsee7.zip -d /opt/SUNWdsee
```

The installation installs the Directory Server in the specified location, /opt/SUNWdsee.

4. Create your Directory Server instance.

```
mkdir /var/opt/SUNWdsee
cd /opt/SUNWdsee/dsee7/bin
./dsadm create /var/opt/SUNWdsee/dsins1
```

5. When prompted, type **adminpass** for the Directory Manager password.
6. Start the Directory Server instance.

```
./dsadm start /var/opt/SUNWdsee/dsins1
```

7. Create the user and group suffix **o=isp**.

```
./dsconf create-suffix -h wireless -p 389 o=isp
```

8. When prompted, type **Y** to accept the certificate.
9. When prompted, type **adminpass** for the Directory Manager password.
10. Start the Directory Server instance.

```
./dsadm stop /var/opt/SUNWdsee/dsins1
./dsadm start /var/opt/SUNWdsee/dsins1
```

11. Continue with the next section.

Downloading and Installing Java

Java is no longer bundled with the Oracle Communications Unified Communications Suite installer and requires manual installation.

UCS components support Java 6 or Java 7. Oracle Communications Delegated Administrator 7.0.0.9.0 requires GlassFish Server 2.1.1; all other UCS products can use GlassFish Server 3, and some can only use GlassFish Server 3. For purposes of simplicity, the example presented here uses 64-bit Java 7. GlassFish Server 2.1 does not officially support Java 7, but you can use it with Java 7 for evaluations. For live deployments, it is recommended to install JDK 6 for Glassfish 2.x and JDK 7 for everything else. For additional information about the use of Java versions with UCS products and GlassFish Server, see [Installing Java For Communications Suite 7.0.6](#).

First, check the version of Java running on your system.

```
# java -version
```

The shell will return results that look similar to the following.

```
java version "1.7.0_60"
Java(TM) SE Runtime Environment (build 1.7.0_60-b19)
Java HotSpot(TM) Server VM (build 24.60-b09, mixed mode)
```

Since this version of Java is later than 1.7.0_55, it is best to install the current version of Java 7. Otherwise, install version 1.7.0_55 as described below.

This deployment example:

- Installs the JDKs, rather than the JRE.
The JDKs include debugging tools, such as `jstack`, and the Delegated Administrator requires the JAR utility.
- Installs Java SE SDK Version 7u55; you can use a later version of Java 7, if available.
Recent OS versions like Solaris 11 may already have a suitable version of Java running on it. Older OS versions may not. For this evaluation, it is recommended that you install Java anyway since the installation on your system may be incomplete.

Downloading 64-bit Java 7 for Solaris SPARC

When you download Java 7:

- For 64-bit Java 7, you need to download both the 32-bit and 64-bit versions of Java 7. 64-bit Java is treated as an add-on to 32-bit Java; both need to be installed.
- Download the gzipped tar file (ending in `.tar.gz`), not the compressed tar file ending in `.tar.Z`.



Note

The gzipped tar file for Java is sufficient for the example presented here. For live deployments, download the Java `.tar.Z` file, because the `.tar.Z` files contain SVR4 packages, and only the Java versions in SVR4 packages are covered by OS recommended patch sets.

To download Java 7:

1. Navigate to [Oracle Java SE Downloads](#).
2. Click the Download button for the latest release of the JDK for Java 7.
This displays the download page and a license agreement for the release you selected.
3. Accept the license agreement.
4. Download the gzipped tar files for 32-bit and 64-bit installations:
 - `jdk-7u55-solaris-sparc.tar.gz`
 - `jdk-7u55-solaris-sparcv9.tar.gz`

Installing Java 7 for Solaris SPARC

To install 64-bit Java 7:

1. Copy the downloaded versions of Java to the `/usr/jdk` directory and unzip and untar them:

```
cp jdk-7u55-solaris-sparc.tar.gz /usr/jdk
cp jdk-7u55-solaris-sparcv9.tar.gz /usr/jdk
cd /usr/jdk
gunzip jdk-7u55-solaris-sparc.tar.gz
gunzip jdk-7u55-solaris-sparcv9.tar.gz
tar xvf jdk-7u55-solaris-sparc.tar
tar xvf jdk-7u55-solaris-sparcv9.tar
```

2. Become root.
3. If there is an earlier version of Java 7 installed, uninstall it.
4. Relink the symbolic link `latest` to point to the new version of Java.

```
rm latest
ln -s jdk1.7.0_55 latest
ls -l
```

5. Change the link /usr/java to point to the correct version of the JDK.

```
# cd /usr
# ls -l | grep java
lrwxrwxrwx 1 root other 15 Oct 11 15:09 java -> jdk/jdk1.6.0_29
# rm java
# ln -s jdk/jdk1.7.0_55 java
# ls -l | grep java
lrwxrwxrwx 1 root root 15 Aug 22 13:51 java -> jdk/jdk1.7.0_55
```

6. Verify that Java is set up correctly.

```
java -version
```

The shell returns the current Java version. It should match the version you have just installed. For example :

```
java version "1.7.0_55"
Java(TM) SE Runtime Environment (build 1.7.0_55-b13)
Java HotSpot(TM) Server VM (build 24.55-b03, mixed mode)
```

7. Install and configure GlassFish Server, as described in the next section.

Installing and Configuring GlassFish Server 2.1.1

The Glassfish Enterprise Server with HADB Version 2.1.1 Patch 21 (v2.1 Patch35) is the web container used by Delegated Administrator.

Prior to installing the GlassFish Server, check the Java version on your host. GlassFish Server requires at least Java 1.6.0. Solaris 10 Update 6 ships with version 1.5.0_16, which is not sufficient for Unified Communications Suite components.

- Use the following command to check your Java version.

```
/usr/jdk/jdk1.7.0_45/bin/java -d64 -version
```

The shell should return results that look similar to the following:

```
java version "1.7.0_55"
Java(TM) SE Runtime Environment (build 1.7.0_55-b13)
Java HotSpot(TM) Server VM (build 24.55-b03, mixed mode)
```

If the version is not 1.7.0_55, make sure that /usr/java links to /usr/jdk/jdk1.7.0_55, and that /usr/jdk/latest links to jdk1.7.0_55. (These links should have automatically been established during installation of Java.)

To Install GlassFish Server 2.1.1

1. Create the /tmp/Glassfish directory and copy the Glassfish Enterprise Server 2.1.1 Patch 21 bits to this directory, then run the installer.

```
# cp 128643-35.zip /tmp/Glassfish
# cd /tmp/Glassfish
# unzip 128643-35.zip
# cd 128643-35
# ./sges_ee-2_1_1-p21-solaris-sparc-ml.bin -console
```

2. When prompted, press Enter to continue.
3. Accept the License Agreement by typing **yes** when prompted.
The installation script prompts for a series of options. The following table shows how to respond to the configuration options:

Table 7 GlassFish Server 2.1.1 Settings

Option	[Default Value]	Enter:
Installation Directory	[/opt/SUNWappserver]	<i>accept default</i>
Create Directory or Choose New	Create Directory	<i>accept default</i>
Install Node Agent	[yes]	no
Install High Availability Database Server	[no]	<i>accept default</i>
Install Load Balancing Plugin	[no]	<i>accept default</i>
Install Domain Administration Server	[yes]	<i>accept default</i>
Install Sample Applications	[yes]	<i>accept default</i>
Install New or Reuse existing Java 2 SDK	[Install Java 2 SDK]	Reuse existing Java 2 SDK
Path to Java 2 SDK Version 1.5.0 or greater	[/usr/jdk/jdk1.7.0_55]	<i>accept default</i> (but not /usr/j2se)
Admin User	[admin]	<i>accept default</i>
Admin User's Password	NA	adminpass
Master Password for SSL Certificate DB	NA	adminpass
Admin Port	[4848]	7888
HTTP Port	[8080]	7080
HTTPS Port	[8181]	8282
Enable Update Center client	[yes]	<i>accept default</i>
Upgrade from previous AS version	[no]	<i>accept default</i>

4. Select 1. Install Now.
The installation proceeds.
5. When the installation completes, press Return to exit.

**Note**

By default, GlassFish Server starts a bundled instance of JMQ on port 7676. This port assignment conflicts with the instance of JMQ used by Indexing and Search Service. To avoid the conflict, the next step changes the port used by the GlassFish JMQ.

6. Change the Java Message Queue (JMQ) port from 7676 to 57676
 - a. Open `/opt/SUNWappserver/domains/domain1/config/domain.xml` for editing.
 - b. Locate the line for setting the JMS host; it will start with `jms-host name=`, as in the following example:

**Note**

Java Message Queue (JMQ) is an implementation of Java Message Service (JMS)

```
jms-host name="default_JMS_host"
host="wireless.comms.example.com" port="7676"
```

- c. Change `port="7676"` to `port="57676"`, then save and exit the file.
7. Start GlassFish Server:

```
/opt/SUNWappserver/bin/asadmin start-domain domain1
```

8. When prompted, type:
 - username: **admin**
 - admin password: **adminpass**
 - master password: **adminpass**
9. Perform the following steps to save the admin username and password so that you do not need to provide them each time GlassFish Server is started. (You must still type the master password.)

```
cd /opt/SUNWappserver/bin/
./asadmin login --port 7888
```

10. Type **admin** and **adminpass** as the username and password when prompted.
11. Verify that GlassFish Server is running; in your web browser, go to the URL for GlassFish Server: `http://fully-qualified-hostname:7080`. For example:

```
http://wireless.comms.example.com:7080
```

You should see the *Server is Running* web page.

Installing and Configuring GlassFish Server 3

The Glassfish Enterprise Server with HADB Version 3 is the primary web container used by Convergence, the Indexing and Search Service, Calendar Server 7, and Contacts Server. There are several ways to install GlassFish Server. The following approach uses a configuration file, answer file, containing GlassFish Server parameters.

1. Create a file named `answerfile` that has the following content.

```

InstallType.Option.INSTALL_AND_CONFIG=INSTALL_AND_CONFIG
UpdateTool.Configuration.PROXY_PORT=80
SOAccountCreation.accountinfo.FIRSTNAME=
ClusteredInstance.Configuration.CLUSTER_NAME=c1
Domain.Configuration.ADMIN_PASSWORD_REENTER=adminpass
StandaloneInstance.Configuration.SERVER_HOST_NAME=wireless.comms.example.com

RegistrationOptions.regoptions.USE_EXISTINGACCT=USE_EXISTINGACCT
Domain.Configuration.ADMIN_PASSWORD=adminpass
UpdateTool.Configuration.BOOTSTRAP_UPDATETOOL=true
RegistrationOptions.regoptions.USERNAME=
StandaloneInstance.Configuration.INSTANCE_NAME=instance1
ClusteredInstance.Configuration.INSTANCE_NAME=instance1
SOAccountCreation.accountinfo.EMAIL=
ClusteredInstance.Configuration.SERVER_ADMIN_PORT=4848
Domain.Configuration.CREATE_SERVICE=false
ClusteredInstance.Configuration.CREATE_CLUSTER=false
InstallUserType.Option.ADVANCED_USER=ADVANCED_USER
UpdateTool.Configuration.ALLOW_UPDATE_CHECK=true
SOAccountCreation.accountinfo.LASTNAME=
RegistrationOptions.regoptions.CREATE_NEWACCT=CREATE_NEWACCT
JDKSelection.directory.HIDDEN_JDK=/usr/jdk/jdk1.7.0_55
SOAccountCreation.accountinfo.PASSWORD=
ConfigType.Option.CREATE_CLUSTEREDINSTANCE=CREATE_CLUSTEREDINSTAN

JDKSelection.directory.JDK_LIST=/usr/jdk/jdk1.7.0_55 (v. 1.7.0_55 by Oracle
Corporation)
ClusteredInstance.Configuration.SERVER_HOST_NAME=wireless.comms.example.com

SOAccountCreation.accountinfo.REENTERPASSWORD=
JDKSelection.directory.JDK_TYPED_IN_CHOICE=false
UpdateTool.Configuration.PROXY_HOST=
InstallType.Option.INSTALL_ONLY=INSTALL_ONLY
ConfigType.Option.CREATE_STANDALONEINSTANCE=CREATE_STANDALONEINSTA

Domain.Configuration.HTTP_PORT=80
RegistrationOptions.regoptions.SKIP_REGISTRATION=SKIP_REGISTRATION
Domain.Configuration.SERVICE_NAME=domain1Service
ConfigType.Option.NO_CONFIGURATION=NO_CONFIGURATION
Domain.Configuration.ADMIN_USER=admin
JDKSelection.directory.JDK_FROM_LIST_CHOICE=true
RegistrationOptions.regoptions.USERPASSWORD=
SOAccountCreation.accountinfo.COUNTRY=
InstallHome.directory.INSTALL_HOME=/opt/glassfish3
Domain.Configuration.ADMIN_PORT=4848
SOAccountCreation.accountinfo.COMPANYNAME=
InstallUserType.Option.BASIC_USER=BASIC_USER
ConfigType.Option.CREATE_DOMAIN=CREATE_DOMAIN
InstallType.Option.CONFIG_ONLY=CONFIG_ONLY
Domain.Configuration.START_SERVER=false
Domain.Configuration.DOMAIN_NAME=domain1
ClusteredInstance.Configuration.DOMAIN_NAME=domain1
JDKSelection.directory.JDK_TYPE_IN=
StandaloneInstance.Configuration.SERVER_ADMIN_PORT=4848
SOAccountCreation.accountinfo.COUNTRY_DROP_DOWN=
RegistrationOptions.regoptions.DUMMY_PROP=

```

2. In answerfile, replace `wireless.comms.example.com` with the correct name of the host.
3. Create a `/tmp/Glassfish3` directory and copy answerfile and the GlassFish Server 3 zip file to it.

```
mkdir /tmp/Glassfish3
cp answerfile /tmp/Glassfish3
cp 147913-11.zip /tmp/Glassfish3
```

4. Change to the `/tmp/Glassfish3` directory and unzip the GlassFish Server zip file.

```
cd /tmp/Glassfish3
unzip 147913-11.zip
```

5. Change to the directory created when you unzipped GlassFish Server 3 and run the GlassFish Server installer:

```
cd 147913-11
./ogs-3.1.2-8-unix-ml.sh -a /tmp/Glassfish3/answerfile -s
```

6. Delete the domain that was created with a default password and recreate the domain using the adminpass password. The following examples use domain1 as the domain.

```
cd /opt/glassfish3/bin
./asadmin delete-domain domain1
./asadmin create-domain --adminport 4848 --instanceport 80
--savemasterpassword=true domain1
Enter admin user name [Enter to accept default "admin" / no password]>
admin
Enter the admin password [Enter to accept default of no password]>
adminpass
Enter the admin password again> adminpass
Enter the master password [Enter to accept default password
"changeit"]> adminpass
Enter the master password again> adminpass
```

**Note**

By default, GlassFish Server starts a bundled instance of JMQ on port 7676. This port assignment conflicts with the instance of JMQ used by Indexing and Search Service. To avoid the conflict, the next step changes the port used by the GlassFish JMQ.

7. Change the Java Message Queue (JMQ) port from 7676 to 37676.
 - a. Open `/opt/glassfish3/glassfish/domains/domain1/config/domain.xml` for editing.
 - b. Locate the line for setting the JMS host; it will start with `jms-host name=`, as in the following example:

**Note**

Java Message Queue (JMQ) is an implementation of Java Message Service (JMS)

```
jms-host name="default_JMS_host"  
host="wireless.comms.example.com" port="7676"
```

- c. Change port="7676" to port="37676".
You will also see a line similar to the following.

```
network-listener port="8181" protocol="http-listener-2"
```

- d. Change port 8181 to port="443", then save and exit the file.
8. Start Glassfish Server.

```
/opt/glassfish3/bin/asadmin start-domain domain1  
waiting for domain1 to start .....
```

9. Enable secure administration of GlassFish Server.

```
cd /opt/glassfish3/bin  
./asadmin enable-secure-admin --port 4848  
Enter admin user name> admin  
Enter admin password for user "admin"> adminpass  
You must restart all running servers for the change in secure admin to  
take effect.  
Command enable-secure-admin executed successfully.
```

10. Restart GlassFish Server.

```
./asadmin restart-domain domain1
```

11. Verify that GlassFish Server is running; in your web browser, go to the URL for GlassFish Server:
http://_fully-qualified-hostname_:80. For example:

```
http://wireless.comms.example.com:80
```

You should see the *Server is Running* web page.

Configuring Communications Suite Components

This section describes how to run the individual component configuration utilities to perform initial software configuration.

This section contains the following topics:

- [Preparing the Directory](#)
- [Configuring Delegated Administrator and Communications CLI](#)

- [Configuring Messaging Server](#)
- [Configuring Calendar Server 7](#)
- [To Install MySQL Database](#)
- [Configuring Contacts Server](#)
- [Configuring Instant Messaging](#)
- [Configuring Indexing and Search Service](#)
- [Configuring Convergence](#)

Preparing the Directory

This section explains how to prepare the Directory Server LDAP schema.

To Apply Schema 2 to Your Directory Tree

1. Change to the directory where the `comm_dssetup.pl` script is located and run the script, for example:

```
cd /opt/sun/comms/dssetup/sbin
./comm_dssetup.pl
```

2. Type **y** to continue.
The script prompts for a series of options. The following table shows how to respond to the prompts.

Table 8 Values for comm_dssetup.pl Script

Option	[Default Value]	Enter:
Directory server root	[/var/opt/SUNWdsee/dsins1]	<i>accept default</i>
Directory Manager DN	[cn=Directory Manager]	<i>accept default</i>
Directory Manager Password	NA	adminpass
Use directory server for users/groups	[yes]	<i>accept default</i>
Users/Groups base suffix	[o=isp]	<i>accept default</i>
Schema type?	[1]	2
Confirm Schema Type	[n]	y
Update the schema files?	[yes]	<i>accept default</i>
Configure new indexes?	[yes]	<i>accept default</i>
Reindex new indexes?	[yes]	<i>accept default</i>

3. Confirm your choices and type **y** to continue.
The `comm_dssetup.pl` script proceeds.
4. When prompted, type **y** to continue with the script.
Continue with the next section after `comm_dssetup.pl` completes and the Successful Completion message is displayed.

Configuring Delegated Administrator and Communications CLI

This section describes configuring Delegated Administrator console and utility, which provide user management.

To Configure Delegated Administrator

1. Set the JAVA_HOME environment variable.
For example, if you are running csh, type:

```
setenv JAVA_HOME /usr/jdk/latest
```

If you are running sh or bash, type:

```
export JAVA_HOME=/usr/jdk/latest
```

2. Change to the directory where the configuration script was installed and run the script, for example:

```
cd /opt/sun/comms/da/sbin  
./config-commda
```

3. Press Enter to continue when prompted.
4. Accept the default for the Directory to store Configuration and Data Files:
/var/opt/sun/comms/da
If the directory does not exist, click Create Directory to create the directory.
5. Install Delegated Administrator Utility, Console, and Server.
The installation script prompts for a series of options. The following table shows how to respond to the configuration options:

Table 9 Values for config-commda Script

Option	[Default Value]	Enter:
DA Server Hostname	[wireless.comms.example.com]	<i>accept default</i>
DA Server Port	[8080]	7080
Default Domain	[comms.example.com]	<i>accept default</i>
Default SSL Port	[443]	8282
Web Container	[WEB]	APP8
Install Root Directory (for DA Console)	[/opt/SUNWappserver]	<i>accept default</i>
Domain Directory	[/opt/SUNWappserver/domains/domain1]	<i>accept default</i>
Domain Root Directory	[/opt/SUNWappserver/domains/domain1/docroot]	<i>accept default</i>
Server Target Name	[server]	<i>accept default</i>
Virtual Server Identifier	[server]	<i>accept default</i>
Server Instance HTTP Port	[80]	7080
Administration Server Port	[4849]	7888
Administrator User ID	[admin]	<i>accept default</i>
Administrator Password	NA	adminpass

Secure Administration Server Instance?	[checked]	<i>accept default</i>
Default Domain Separator	[@]	<i>accept default</i>
Access Mode	Direct LDAP (DL)	<i>accept default</i>
Web Container (DA Server)	[WEB]	APP8
Install Directory (for DA Server)	[/opt/SUNWappserver]	<i>accept default</i>
Domain Directory	[/opt/SUNWappserver/domains/domain1]	<i>accept default</i>
Document Root Directory	[/opt/SUNWappserver/domains/domain1/docroot]	<i>accept default</i>
Server Target Name	[server]	<i>accept default</i>
Virtual Server Identifier	[server]	<i>accept default</i>
Server Instance HTTP Port	[80]	7080
Administration Server Port	[4849]	7888
Administrator User ID	[admin]	<i>accept default</i>
Administrator Password	NA	adminpass
Secure Administration Server Instance?	[checked]	<i>accept default</i>
URL of Directory Server	[ldap://wireless.comms.example.com:389]	<i>accept default</i>
Bind As	[cn=Directory Manager]	<i>accept default</i>
Password	NA	adminpass
LDAP Username	[daAdmin]	<i>accept default</i>
LDAP Password	NA	adminpass
Organization DN	[o=comms.example.com,o=isp]	<i>accept default</i>
Top Level Admin for Default Organization	[admin]	<i>accept default</i>
Password	NA	adminpass
Load Sample Service Packages	[Y]	<i>accept default</i>
Load Sample Organizations	[Y]	n

Preferred Mailhost for Sample	[wireless.comms.example.com]	<i>accept default</i>
-------------------------------	------------------------------	---------------------------

6. Click Configure Now.
The script begins to run.
7. When the output displays "All Tasks Passed," click Enter to continue.
Two reminders appear: one reminds you to restart the GlassFish Server; the other reminds you to enable the mail, calendar, and instant messaging services in the domain. Steps 9 and 10 restart GlassFish Server and enable the services.
8. Click Enter and Done to exit the Delegated Administrator Configuration wizard.
9. Restart GlassFish Server.

```
cd /opt/SUNWappserver/bin
./asadmin stop-domain domain1
./asadmin start-domain domain1
```

10. Modify the mail, calendar, and instant messaging domains, and create users by using the commadmin utility:

```
/opt/sun/comms/da/bin/commadmin domain modify -D admin -S mail,cal,im
-H wireless.comms.example.com -B wireless.comms.example.com

Enter login password: adminpass
Enter DNS domain name: comms.example.com
OK

/opt/sun/comms/da/bin/commadmin user create -D admin -F John -l jdoe -L
Doe -W demo -d comms.example.com -S mail,cal,im -E
jdoe@comms.example.com -H wireless.comms.example.com -B
wireless.comms.example.com

Enter login password: adminpass
OK

/opt/sun/comms/da/bin/commadmin user create -D admin -F Calendar -l
calmaster -L Master -W adminpass -d comms.example.com -S mail,cal,im -E
calmaster@comms.example.com -H wireless.comms.example.com -B
wireless.comms.example.com

Enter login password: adminpass
OK
```

The `commadmin user create` steps create an end-user, `jdoe`, and the Calendar Server administrative user, `calmaster`. Continue to create as many users as you like at this point.

To Log on to the Delegated Administrator Console

1. In your web browser, open a URL for Delegated Administrator. The URL for Delegated Administrator is: `http://fully-qualified-hostname:app-server-port/da`
In this example, type:

```
http://wireless.comms.example.com:7080/da
```

2. Log in using `admin` and `adminpass` as the user ID and password.
3. After verifying that you can access Delegated Administrator, log out.
4. Continue with the next section.

Configuring Messaging Server

This section describes configuring Messaging Server.

To Configure Messaging Server

1. Change to the directory where the Messaging Server configure script is stored, then run the script, for example:

```
cd /opt/sun/comms/messaging64/sbin
./configure
```

The Configuration Wizard appears. Read the introductory information and proceed by clicking Next if prompted.

2. Verify the following:
 - Accept the default for the Directory to store Configuration and Data Files:
/var/opt/sun/comms/messaging64
 - Name of the mail server Unix user: username [mailsrv]
You might need to change to mailsrv2 if this was the actual user created previously.
 - Fully qualified host name of messaging server, FQHN: [wireless.comms.example.com]
3. The installation script prompts for a series of options. The following table shows how to respond to the configuration options:

Table 10 Values for Messaging Server configure Script

Option	[Default Value]	Enter:
Default Mail Domain Name	[comms.example.com]	<i>accept default</i>
Hostname for LDAP Directory Server	NA	wireless.comms.example.com
LDAP Administrator Login	[cn=Directory Manager]	<i>accept default</i>
Password	NA	adminpass
Postmaster email address	[admin@comms.example.com]	jd@comms.example.com
IP address info for mail relay systems	NA	<i>accept default</i>
Password for Server Administration	NA	adminpass

4. The Messaging Server configuration proceeds.
5. Start Messaging Server:

```
cd /opt/sun/comms/messaging64/bin/
./stop-msg
./start-msg
```

6. Continue with the next section.

Configuring Calendar Server 7

Configuring Calendar Server 7 requires a second instance of GlassFish Server and of installing MySQL.

Topics in this section:

- [To Install a Second Instance of GlassFish Server](#)
- [To Install MySQL Database](#)

To Install a Second Instance of GlassFish Server

1. Create a Glassfish domain that uses port 8080.

```
cd /opt/glassfish3/bin
./asadmin create-domain --adminport 8800 --instanceport 8080
--savemasterpassword=true domain2
Enter admin user name [Enter to accept default "admin" / no password]>
admin
Enter the admin password [Enter to accept default of no password]>
adminpass
Enter the admin password again> adminpass
Enter the master password [Enter to accept default password
"changeit"]> adminpass
Enter the master password again> adminpass
```

2. Change the Java Message Queue (JMQ) port from 7676 to 47676.
 - a. Open /opt/glassfish3/glassfish/domains/domain2/config/domain.xml for editing.
 - b. Locate the line for setting the JMS host; it will start with `jms-host name=`, as in the following example:



Note

Java Message Queue (JMQ) is an implementation of Java Message Service (JMS)

```
jms-host name="default_JMS_host" host="localhost" port="7676"
```

- c. Change `port="7676"` to `port="47676"`, then save and exit the file.
3. Start GlassFish Server.

```
/opt/glassfish3/bin/asadmin start-domain domain2
Waiting for domain2 to start .....
Successfully started the domain : domain2
domain Location: /opt/glassfish3/glassfish/domains/domain2
Log File: /opt/glassfish3/glassfish/domains/domain2/logs/server.log
Admin Port: 8800
Command start-domain executed successfully.
```

4. Enable secure administration of GlassFish Server.

```
cd /opt/glassfish3/bin
./asadmin enable-secure-admin --port 8800
Enter admin user name> admin
Enter admin password for user "admin"> adminpass
You must restart all running servers for the change in secure admin to
take effect.
Command enable-secure-admin executed successfully.
./asadmin stop-domain domain2
Waiting for the domain to stop ....
Command stop-domain executed successfully.
```

5. Restart GlassFish Server.

```
./asadmin restart-domain domain2
Waiting for domain2 to start .....
Successfully started the domain : domain2
domain Location: /opt/glassfish3/glassfish/domains/domain2
Log File: /opt/glassfish3/glassfish/domains/domain2/logs/server.log
Admin Port: 8800
Command start-domain executed successfully.
```

To Install MySQL Database

1. Install the latest available version of MySQL 5.5.x, excluding version 5.5.29. This example uses MySQL Advanced Server (Commercial)(sun4u) 5.5.38 for Solaris 10 SPARC (64bit). For download instructions, see [Get the Software to Install Communications Suite 7.0.6](#).
2. After downloading MySQL Database, unzip the image.
3. Make a temporary directory for the MySQL package and copy it to that directory.

```
mkdir /temp/MySQL
# cp mysql-advanced-5.5.38-solaris10-sparc-64bit.pkg /tmp/MySQL
```

4. Create a mysql group and user.

```
cd /usr/sbin
./groupadd mysql
./useradd -g mysql mysql
```

5. Add the MySQL package to the system.

```
cd /temp/MySQL
/usr/sbin/pkgadd -d mysql-advanced-5.5.38-solaris10-sparc-64bit.pkg
```

This displays output with prompts for responses. The following shows the output and the responses.

```
The following packages are available:
1 mysql MySQL Advanced Server (Commercial)
(sun4u) 5.5.38

Select package(s) you wish to process (or 'all' to process
all packages). (default: all) [?,??,q]: [Return]
...
The selected base directory </opt/mysql> must exist before
installation is attempted.

Do you want this directory created now [y,n,?,q] y
Using </opt/mysql> as the package base directory.
```

6. Respond to the prompts in the output:
 - a. In response to the prompt, Select package(s) you wish to process, press Enter to accept the default (all), since there is only one package.
 - b. In response to the prompt, Do you want this directory created now..., enter y to accept /opt/mysql as the package base directory.
Note that the text preceding the prompt, The selected base directory </opt/mysql> must exist, is misleading. There was no opportunity to select a base directory.
7. Set up the MySQL database for Calendar Server 7:

```
cd /opt/mysql/mysql
rm -rf data
rm -rf /var/lib/mysql
/opt/mysql/mysql/scripts/mysql_install_db --user=mysql
--ldata=/var/mysql
```

8. Create the /etc/my.cnf file with the following content.

```
[mysqld]
basedir = /opt/mysql/mysql
datadir = /var/mysql
default-storage-engine = InnoDB
character-set-server = utf8mb4
transaction-isolation = READ-COMMITTED
```

9. Install the MySQL startup script if not already present. (First check to make sure that /etc/init.d/mysql does not already exist. If not, perform the following command.)

```
cp /opt/mysql/mysql/support-files/mysql.server /etc/init.d/mysql
```

10. Start MySQL.

```
/etc/init.d/mysql start
```

11. Change the MySQL root password and remove test databases.

```
/opt/mysql/mysql/bin/mysqladmin -u root password adminpass
/opt/mysql/mysql/bin/mysql_secure_installation
```

12. Answer "y" to all questions except "Change the root password."

You do not need to change the root password because you have already done so. The

`mysql_secure_installation` script:

- Removes anonymous users
- Disallows root login remotely
- Removes test database and access to it
- Reloads privilege tables

13. Create the MySQL user and caldav databases.

```
/opt/mysql/mysql/bin/mysql -u root -p
Enter password: adminpass
mysql> CREATE DATABASE caldav CHARACTER SET = utf8mb4;
mysql> CREATE USER 'caldav'@'wireless.comms.example.com' IDENTIFIED BY
'adminpass';
mysql> GRANT ALL ON caldav.* TO 'caldav'@'wireless.comms.example.com';
mysql> CREATE DATABASE ischedule CHARACTER SET = utf8mb4;
mysql> GRANT ALL ON ischedule.* TO
'caldav'@'wireless.comms.example.com';
mysql> CREATE DATABASE nab CHARACTER SET = utf8mb4;
mysql> CREATE USER 'nabuser'@'wireless.comms.example.com' IDENTIFIED BY
'adminpass';
mysql> GRANT ALL ON nab.* TO 'nabuser'@'wireless.comms.example.com';
mysql> exit
```

14. Configure MySQL to start automatically upon reboot.

- a. Check for a symbolic link to `S99mysql`.

```
ls -l /etc/rc3.d
```

- b. If there is no `S99mysql`, create a symbolic link.

```
ln -s /etc/init.d/mysql /etc/rc3.d/S99mysql
```

15. Make sure that you are root user.

```
su -
```

16. Set the `JAVA_HOME` environment variable.

For example, if you are running `csh`:

```
setenv JAVA_HOME /usr/jdk/latest
```

17. Change directories to where the configuration script was installed and run the Calendar Server 7 configuration script:

```
cd /opt/sun/comms/davserver/sbin
./init-config
```

18. Click Next at the Welcome page.
19. Accept the default for the Directory to store Configuration and Data Files:
/var/opt/sun/comms/davserver
20. Configure Calendar Server 7.
The configuration script prompts for a series of options. The following table shows how to respond to the configuration options:

Table 12 Values for Calendar Server configure Script

Option	[Default Value]	Enter
Location to store data (datadir)	[/var/opt/sun/comms/davserver]	<i>accept default</i>
Runtime user (cs.user)	[root]	<i>accept default</i>
Runtime group (cs.group)	[bin]	<i>accept default</i>
Fully qualified host name (hostfqdn)	[wireless.comms.example.com]	<i>accept default</i>
Backend database type (dbtype)	[mysql]	<i>accept default</i>
MySQL server host name (mysql.db.host)	[wireless.comms.example.com]	<i>accept default</i>
MySQL server port number (mysql.db.port)	[3306]	<i>accept default</i>
Calendar database user (mysql.db.user)	[caldav]	<i>accept default</i>
Calendar database user password (mysql.db.pass)	NA	adminpass
Calendar database name (mysql.db.name)	[caldav]	<i>accept default</i>
iSchedule database name (mysql.ischedule.name)	[ischedule]	<i>accept default</i>
Back end document store type (calendar.backend.docstore.type)	[local]	<i>accept default</i>
Calendar backend name (calendar.backend.name)	[defaultbackend]	<i>accept default</i>
Calendar backend store path (calendar.backend.docdir)	[/var/opt/sun/comms/davserver/db]	<i>accept default</i>
Back end iSchedule store type (ischedule.backend.docstore.type)	[local]	<i>accept default</i>
iSchedule backend name (ischedule.backend.name)	[ischedulebackend]	<i>accept default</i>
iSchedule backend store path (ischedule.backend.docdir)	[/var/opt/sun/comms/davserver/db/ischedulebackend]	<i>accept default</i>

Glassfish Server install directory (appsrv.dir.install)	[/opt/glassfish3/glassfish]	<i>accept default</i>
Glassfish Server domain directory (appsrv.dir.domain)	[/opt/glassfish3/glassfish/domains/domain1]	/opt/glassfish3/glassfish/ domains/domain2
GlassFish Server document root directory (appsrv.dir.docroot)	[/opt/glassfish3/glassfish/domains/domain2/docroot]	<i>accept default</i>
Glassfish Server instance name (appsrv.target)	[server]	<i>accept default</i>
Virtual Server identifier (appsrv.vsid)	[server]	<i>accept default</i>
Calendar server access host (appsrv.http.host)	[wireless.comms.example.com]	<i>accept default</i>
Instance HTTP port (appsrv.http.port)	[8080]	8080
Glassfish Server admin server host (appsrv.admin.host)	[wireless.comms.example.com]	<i>accept default</i>
Administration server port (appsrv.admin.port)	[4848]	8800
Secure Administration Server instance (appsrv.admin.secure)	[true]	<i>accept default Is Secure</i>
Administrator user ID (appsrv.admin.user)	[admin]	<i>accept default</i>
Administrator password (appsrv.admin.pass)	NA	adminpass
URI path (appsrv.deploy.uri)	[/]	/davserver ¹
User/group LDAP URL (ldap.url)	[ldaps://wireless.comms.beta.com:636]	ldaps://wireless.comms.beta.com:389
User/group directory manager DN (ldap.bind.user)	[cn=Directory Manager]	<i>accept default</i>
Directory manager password (ldap.bind.pass)	NA	adminpass
LDAP unique ID attribute (ldap.uniqueid)	[davuniqueid]	<i>accept default</i>
User/group default domain (ldap.defaultdomain)	[comms.example.com]	<i>accept default</i>
Default organization DN (ldap.defaultorgdn)	[o=comms.example.com,o=isp]	<i>accept default</i>
Calendar administrator user (ldap.admin.user)	[calmaster]	<i>accept default</i>
Calendar administrator user password (ldap.admin.pass)	NA	adminpass

Notification mail server host name (notif.smtp.host)	[wireless.comms.example.com]	<i>accept default</i>
Notification mail server port number (notif.smtp.port)	[25]	<i>accept default</i>

1. For production deployments, deploy Calendar Server to the root context (/) to simplify configuring mobile clients. When you do not use (/), it is more difficult to configure clients to connect to Calendar Server. In this example, you deploy Calendar Server in its own context, /davserver, and not the root context (/), to also be able to host other component products in the same GlassFish Server instance.

21. Answer "y" when prompted to configure Calendar Server 7.
22. After the configuration is complete, click Next to continue.
23. Click Next to continue.
24. Click Close to quit the Calendar Server configuration wizard.
25. Restart GlassFish Server.

```
cd /opt/glassfish3/bin
./asadmin restart-domain domain2
```

26. Configure a Lightning client to use this new server.
The Calendar Server URL format for your test user is:

```
http://<fully-qualified-server-name>:8080/davserver/dav/home/<username>
```

For example:

```
http://wireless.comms.example.com:8080/davserver/dav/home/jdoe/calendar
```

Alternatively, you can configure Apple iCal to access this calendar. The server URI is as follows:

```
http://<fully-qualified-server-name>:8080/davserver/dav/principals/<username>
```

For example:

```
http://wireless.comms.example.com:8080/davserver/dav/principals/jdoe/
```

27. To enable subscription to other user's calendars in your own domain, create an ACI file with the following contents, making sure that the entry for Access Control Instructions (ACI) is on a single line:

```
dn: o=isp
changetype: modify
add: aci
aci: (target="ldap:///($dn),o=isp")
(targetattr!="userPassword")
(targetfilter=(|(objectClass=icscalendaruser)(objectClass=icscalendarresource
3.0; acl "CS User search access to all users and resources in own domain
- product=davserver,class=install,num=3,version=1";
allow (read,search)
userdn="ldap:///[$dn],o=isp??sub?(objectClass=icscalendaruser)";)
```


28. Run the `ldapmodify` command on this ACI file (named `acifile` in this example).

```
ldapmodify -D "cn=Directory Manager" -w adminpass -f acifile
```

29. Continue with the next section.

Configuring Contacts Server

Configuring Contacts Server requires a third instance of GlassFish Server.

To Configure Contacts Server

1. Create a third GlassFish domain that uses port 9080.

```
# cd /opt/glassfish3/bin
# ./asadmin create-domain --adminport 9888 --instanceport 9080
--savemasterpassword=true domain3
Enter admin user name [Enter to accept default "admin" / no password]>
admin
Enter the admin password [Enter to accept default of no password]>
adminpass
Enter the admin password again> adminpass
Enter the master password [Enter to accept default password
"changeit"]> adminpass
Enter the master password again> adminpass
```

2. Change the Java Message Queue (JMQ) port from 7676 to 97676 and the SSL port to 9191.
 - a. Open `/opt/glassfish3/glassfish/domains/domain3/config/domain.xml` for editing.
 - b. Locate the line for setting the JMS host; it will start with `jms-host name=`, as in the following example:



Note

Java Message Queue (JMQ) is an implementation of Java Message Service (JMS)

```
jms-host name="default_JMS_host" host="localhost" port="7676"
```

- c. Change `port="7676"` to `port="97676"`
 - d. Locate the line for setting the SSL port; it will start with `network-listener port=`, as in the following example:
- ```
network-listener port="60831" protocol="http-listener-2"
transport
```
- e. Change `port="60831"` to `port="9191"`, then save and exit the file.
  3. Start GlassFish Server.

```
/opt/glassfish3/bin/asadmin start-domain domain3
Waiting for domain3 to start
Successfully started the domain : domain3
domain Location: /opt/glassfish3/glassfish/domains/domain3
Log File: /opt/glassfish3/glassfish/domains/domain3/logs/server.log
Admin Port: 9888
Command start-domain executed successfully.
```

4. Enable secure administration of GlassFish Server.

```
cd /opt/glassfish3/bin
./asadmin enable-secure-admin --port 9888
Enter admin user name> admin
Enter admin password for user "admin"> adminpass
You must restart all running servers for the change in secure admin to
take effect.
Command enable-secure-admin executed successfully.
./asadmin stop-domain domain3
Waiting for the domain to stop
Command stop-domain executed successfully.
```

5. Restart GlassFish Server.

```
./asadmin restart-domain domain3
Waiting for domain3 to start
Successfully started the domain : domain3
domain Location: /opt/glassfish3/glassfish/domains/domain3
Log File: /opt/glassfish3/glassfish/domains/domain3/logs/server.log
Admin Port: 9888
Command start-domain executed successfully.
```

6. Become the root user in the root directory

```
su -
```

7. Set the JAVA\_HOME environment variable.

For example, to set it for the C shell (csh):

```
setenv JAVA_HOME /usr/jdk/latest
```

8. Run the Contacts Server configuration script.

```
cd /opt/sun/comms/nabserver/sbin
./init-config
```

The configuration script prompts for a series of options. The following table shows how to respond to the configuration options:

**Table 13 Values for Contacts Server configure Script**

| Option                                                           | [Default Value]                                     | Enter                                                 |
|------------------------------------------------------------------|-----------------------------------------------------|-------------------------------------------------------|
| Location to store data (datadir)                                 | [/var/opt/sun/comms/nabserver]                      | <i>accept default</i>                                 |
| Runtime user (nab.user)                                          | [root]                                              | <i>accept default</i>                                 |
| Runtime group (nab.group)                                        | [bin]                                               | <i>accept default</i>                                 |
| Fully Qualified Host Name (hostfqdn)                             | [wireless.comms.example.com]                        | <i>accept default</i>                                 |
| Backend database type (dbtype)                                   | [mysql]                                             | <i>accept default</i>                                 |
| MySQL Server Host Name (mysql.db.host)                           | [wireless.comms.example.com]                        | <i>accept default</i>                                 |
| MySQL Server Port Number (mysql.db.port)                         | [3306]                                              | <i>accept default</i>                                 |
| Contacts Server Database User (mysql.db.user)                    | [nab]                                               | <i>nabuser</i>                                        |
| Contacts Server Database User Password (mysql.db.pass)           | NA                                                  | <i>adminpass</i>                                      |
| Contacts Server Database Name (mysql.db.name)                    | [nab]                                               | <i>accept default</i>                                 |
| Back end document store type (addressbook.backend.docstore.type) | [local]                                             | <i>accept default</i>                                 |
| Backend name (addressbook.backend.name)                          | [defaultbackend]                                    | <i>accept default</i>                                 |
| Backend local store path (addressbook.backend.docdir)            | [/var/opt/sun/comms/nabserver/db]                   | <i>accept default</i>                                 |
| GlassFish Server Install Directory (appsrv.dir.install)          | [/opt/glassfish3/glassfish]                         | <i>accept default</i>                                 |
| GlassFish Server Domain Directory (appsrv.dir.domain)            | [/opt/glassfish3/glassfish/domains/domain1]         | <b>/opt/glassfish3/glassfish/<br/>domains/domain3</b> |
| GlassFish Server Document Root Directory (appsrv.dir.docroot)    | [/opt/glassfish3/glassfish/domains/domain3/docroot] | <i>accept default</i>                                 |
| GlassFish Server Instance Name (appsrv.target)                   | [server]                                            | <i>accept default</i>                                 |

|                                                                   |                                               |                                                                                                      |
|-------------------------------------------------------------------|-----------------------------------------------|------------------------------------------------------------------------------------------------------|
| Virtual Server Identifier<br>(appsrv.vsid)                        | [server]                                      | <i>accept default</i>                                                                                |
| GlassFish Server<br>Admin Server Host<br>(appsrv.admin.host)      | [wireless.comms.<br>example.com]              | accept default                                                                                       |
| GlassFish Server<br>Admin Server Port<br>(appsrv.admin.port)      | [4848]                                        | <b>9888</b>                                                                                          |
| Administrator User ID<br>(appsrv.admin.user)                      | [admin]                                       | <i>accept default</i>                                                                                |
| Administrator Password<br>(appsrv.admin.pass)                     | NA                                            | <b>adminpass</b>                                                                                     |
| Secure Administration<br>Server Instance<br>(appsrv.admin.secure) | [true]                                        | <i>accept default<br/>(Is Secure)</i>                                                                |
| Full URL of deployed server<br>(appsrv.http.url)                  | [https://wireless.comms.<br>example.com:443/] | <a href="https://wireless.comms.example.com:9191/">https://wireless.comms.<br/>example.com:9191/</a> |
| User/Group LDAP URL<br>(ldap.url)                                 | [ldaps://wireless.comms.<br>example.com:636]  | <b>ldaps://wireless.comms<br/>.example.com:389</b>                                                   |
| User/Group Directory<br>Manager DN<br>(ldap.bind.user)            | [cn=Directory Manager]                        | <i>accept default</i>                                                                                |
| Directory Manager Password<br>(ldap.bind.pass)                    | NA                                            | <b>adminpass</b>                                                                                     |
| LDAP unique ID attribute<br>(ldap.uniqueid)                       | [davuniqueid]                                 | <i>accept default</i>                                                                                |
| User/Group Default Domain<br>(ldap.defaultdomain)                 | [comms.example.com]                           | <i>accept default</i>                                                                                |
| Default Organization DN<br>(ldap.defaultorgdn)                    | [o=comms.example.com,o=isp]                   | <i>accept default</i>                                                                                |
| Contacts Server Admin User<br>(ldap.admin.user)                   | [nabmaster]                                   | <i>accept default</i>                                                                                |
| Contacts Administrator<br>User Password<br>(ldap.admin.pass)      | NA                                            | <b>adminpass</b>                                                                                     |
| Notification Mail Server<br>Host Name<br>(notif.smtp.host)        | [wireless.comms.example.com]                  | <i>accept default</i>                                                                                |
| Notification Mail Server<br>Port Number<br>(notif.smtp.port)      | [25]                                          | <i>accept default</i>                                                                                |

9. Answer y when prompted to configure Oracle Communications Contacts Server.
10. After the configuration completes, restart the GlassFish Server domain.

```
cd /opt/glassfish3/bin
./asadmin restart-domain domain3
```

11. Browse a user's address book to verify that Contacts Server is up and running. Enter the URL of the browse service in your browser and log in as your test user jdoe with password demo.

```
https://<fully-qualified-server-name>:port/browse/home/userid/addressbook/
https://wireless.comms.example.com:9191/browse/home/jdoe/addressbook/
```



#### Note

You must include the trailing slash "/".

## Configuring Instant Messaging

This section shows you how to run the Instant Messaging configurator script.

### To Configure Instant Messaging

1. Change to the directory where the configuration script was installed then run the configurator script.

For example:

```
cd /opt/sun/comms/im/sbin
./configure
```

The Components Selection page appears.

2. Verify that both Server components and Client components are selected for configuration, then click Return to continue.
3. Hit Enter whenever prompted whether to go back to the previous panel. The configuration wizard prompts for a series of options.
4. Respond to the series of options as follows. After each question, you are prompted if you want to go back to previous panel. Always accept the default answer of no unless you need to make a change to a previous answer. The following table shows how to respond to the configuration options:

**Table 14 Values for Instant Messaging configure Script**

| Option                   | [Default Value]         | Enter:                  |
|--------------------------|-------------------------|-------------------------|
| Runtime User ID          | [inetuser]              | <i>accept default</i>   |
| Runtime Group ID         | [inetgroup]             | <i>accept default</i>   |
| Runtime Directory        | [/var/opt/sun/comms/im] | <i>accept default</i>   |
| Create User ID           | [Choose New]            | <b>Create User ID</b>   |
| Create Runtime Directory | [Choose New]            | <b>Create Directory</b> |
| Domain Name              | [comms.example.com]     | <i>accept default</i>   |
| XMPP Port                | [5222]                  | <i>accept default</i>   |
| Multiplexed XMPP Port    | [45222]                 | <i>accept default</i>   |

|                                               |                              |                                   |
|-----------------------------------------------|------------------------------|-----------------------------------|
| Gateway Connector Port                        | [55222]                      | <i>accept default</i>             |
| XMPP Server Port                              | [5269]                       | <i>accept default</i>             |
| Disable Server (enable only multiplexor)      | [no]                         | <i>accept default</i>             |
| Enable SSL                                    | [yes]                        | <b>no</b>                         |
| LDAP Host Name                                | [wireless.comms.example.com] | <i>accept default</i>             |
| LDAP Port Number                              | [389]                        | <i>accept default</i>             |
| SSL Enabled                                   | [no]                         | <i>accept default</i>             |
| Base DN                                       | [dc=comms,dc=example,dc=com] | <b>o=isp</b>                      |
| Bind DN                                       | NA                           | <b>cn=Directory Manager</b>       |
| Bind Password                                 | NA                           | <b>adminpass</b>                  |
| Enable Email Integration                      | [yes]                        | <i>accept default</i>             |
| SMTP Server                                   | [wireless.comms.example.com] | <i>accept default</i>             |
| Enable Email Archiving                        | [yes]                        | <i>accept default</i>             |
| Deploy IM HTTP Gateway                        | [yes]                        | <b>no</b>                         |
| Enable Calendar Agent                         | [no]                         | <b>yes</b>                        |
| Enable local component                        | [no]                         | <b>yes</b>                        |
| XMPP server Hostname                          | [wireless.comms.example.com] | <i>accept default</i>             |
| XMPP server port                              | [5269]                       | <i>accept default</i>             |
| JMQ Username                                  | NA                           | <b>guest</b>                      |
| JMQ Password                                  | NA                           | <b>guest</b>                      |
| Notification Server Hostname                  | [localhost]                  | <b>wireless.comms.example.com</b> |
| Notification Server Port                      | [7676]                       | <b>47676</b>                      |
| Topic                                         | [DavNotificationTopic]       | <i>accept default</i>             |
| Enable SMS Gateway                            | [no]                         | <i>accept default</i>             |
| Enable local component                        | [no]                         | <i>accept default</i>             |
| Enable Facebook Gateway                       | [no]                         | <i>accept default</i>             |
| Start Services After Successful Configuration | [yes]                        | <b>no</b>                         |
| Start Services When System starts             | [yes]                        | <b>no</b>                         |

The Instant Messaging configuration begins.

1. When the configuration is complete, at the Configuration Summary page, select **Done** to exit.
2. To configure Instant Messaging Server for integration with Convergence, first make a backup copy of the configuration:

```
cd /opt/sun/comms/im/config
cp iim.conf.xml iim.conf.xml.orig
```

3. Next, add the new httpbind and avatar component JIDs to this configuration by running the following commands:

```
cd /opt/sun/comms/im/sbin
./imconfutil set-prop -c /opt/sun/comms/im/config/iim.conf.xml
iim_agent.enable=true
./imconfutil add-component -c /opt/sun/comms/im/config/iim.conf.xml
id=httpbind jid=wireless.httpbind.comms.example.com password=adminpass
./imconfutil add-component -c /opt/sun/comms/im/config/iim.conf.xml
id=avatar jid=wireless.avatar.comms.example.com password=adminpass
```

**Note**

The `httpbind.jid` and `avatar.jid` strings are in the form `host.httpbind.domain` and `host.avatar.domain` respectively as this is the value auto-generated during the upcoming Convergence configuration stage.

4. Enable Hosted Domain Schema 2 and listener prop support by making the following changes:

```
./imconfutil set-prop -c /opt/sun/comms/im/config/iim.conf.xml
iim_server.usesso="0" iim.policy.modules=iim_ldap_schema2
iim.userprops.store="ldap" iim_ldap.schema2.domain_config_root="o=isp"
./imconfutil -u set-listener-prop -c
/opt/sun/comms/im/config/iim.conf.xml s2s protocols=s2s,component,c2s
```

5. Start the Instant Messaging server.

```
/opt/sun/comms/im/sbin/imadmin start
```

6. If you choose to monitor the SMF logs, they are located in the `/var/svc/log` directory. The log name is: `application-sunim:default.log`.
7. Continue with the next section.

## Configuring Indexing and Search Service

1. Enable the NTP service for the Messaging Server and ISS host machine.
  - a. Check if the NTP service is enabled.

```
svcs ntp
STATE STIME FMRI
disabled Aug_16 svc:/network/ntp:default
```

- b. If the NTP service is disabled, enable it as follows then verify that the service is running.

```
/usr/sbin/svcdm enable ntp
svcs ntp
STATE STIME FMRI
maintenance 16:35:43 svc:/network/ntp:default
```

2. Configure the IMQ broker by editing the `imqbrokerd.conf` file.

```
vi /etc/imq/imqbrokerd.conf
```

3. Type in the following configuration. (It is possible that the file already contains some of this information.)

```
AUTOSTART=YES
ARGS=-vmargs -Xmx1024m
RESTART=YES
```

4. Check for the existence of the `/var/imq/instances/imqbroker/props/config.properties` file. If it does not exist, start the IMQ broker to generate it.

```
cd /var/imq/instances/imqbroker/props
/var/imq/instances/imqbroker/props: No such file or directory
nohup /etc/init.d/imq start
```

5. Edit the `/var/imq/instances/imqbroker/props/config.properties` file.

```
cd /var/imq/instances/imqbroker/props
vi config.properties
```

6. At the bottom of this file, make sure the following lines are included:

```
imq.portmapper.backlog=-1
imq.destination.DMQ.truncateBody=true
imq.autocreate.reaptime=7200
imq.autocreate.destination.maxNumProducers=-1
imq.autocreate.destination.limitBehavior=REMOVE_OLDEST
imq.jms.max_threads=2000
```

For an explanation of these changes, see [Message Queue Broker config.properties Changes for Indexing and Search Service 1.0.5.22.0](#).

7. After making these changes, save and exit the file.
8. Restart the IMQ broker to pick up the changes.

```
/etc/init.d/imq stop
nohup /etc/init.d/imq start
```



9. Create the JMQ user by using the `imqusermgr` command.

```
cd /usr/bin
./imqusermgr add -u jmquser -p adminpass -g user
User repository for broker instance: imqbroker
User jmquser successfully added.
```

10. Reset the default admin account password.

```
./imqusermgr update -u admin -p adminpass
User repository for broker instance: imqbroker
Are you sure you want to update user admin? (y/n)[n] y
User admin successfully updated.
```

11. Set the `local.store.notifyplugin` `configutil` parameter to include a JMQ notification named `index`.

```
cd /opt/sun/comms/messaging64/bin
./configutil -o local.store.notifyplugin
```

If no response is returned, execute the following command:

```
./configutil -o local.store.notifyplugin -v
'/opt/sun/comms/messaging64/lib/libjmqnotify$index'
```

If a response such as `libibiff$ms-internal$` or `lib/libibiff$ms-internal$` is returned, append the new JMQ notification to the existing one, as in the following examples:

```
./configutil -o local.store.notifyplugin -v
'libibiff$ms-internal$libjmqnotify$index'
./configutil -o local.store.notifyplugin -v
'lib/libibiff$ms-internal$lib/libjmqnotify$index'
```

12. Configure the `index` JMQ notification plugin by using the `configutil` command.

```

./configutil -o local.store.notifyplugin.index.annotatmsg.enable -v 0
./configutil -o local.store.notifyplugin.index.changeflag.enable -v 1
./configutil -o local.store.notifyplugin.index.copymsg.enable -v 1
./configutil -o local.store.notifyplugin.index.debuglevel -v 0
./configutil -o local.store.notifyplugin.index.deletemsg.enable -v 0
./configutil -o local.store.notifyplugin.index.destinationtype -v queue
./configutil -o local.store.notifyplugin.index.expungemsg.enable -v 1
./configutil -o local.store.notifyplugin.index.jmqhost -v 127.0.0.1
./configutil -o local.store.notifyplugin.index.jmqport -v 7676
./configutil -o local.store.notifyplugin.index.jmqpwd -v adminpass
./configutil -o local.store.notifyplugin.index.jmqtopic -v INDEXMS
./configutil -o local.store.notifyplugin.index.jmquser -v jmquser
./configutil -o local.store.notifyplugin.index.loguser.enable -v 0
./configutil -o local.store.notifyplugin.index.maxbodysize -v 262144
./configutil -o local.store.notifyplugin.index.maxheadersize -v 16384
./configutil -o local.store.notifyplugin.index.msgflags.enable -v 0
./configutil -o local.store.notifyplugin.index.msgtypes.enable -v 0
./configutil -o local.store.notifyplugin.index.newmsg.enable -v 1
./configutil -o local.store.notifyplugin.index.noneinbox.enable -v 1
./configutil -o local.store.notifyplugin.index.persistent -v 0
./configutil -o local.store.notifyplugin.index.priority -v 4
./configutil -o local.store.notifyplugin.index.purgemsg.enable -v 0
./configutil -o local.store.notifyplugin.index.readmsg.enable -v 0
./configutil -o local.store.notifyplugin.index.updatemsg.enable -v 1
./configutil -o local.store.notifyplugin.index.ttl -v 3600000
./configutil -o local.store.notifyplugin.index.overquota.enable -v 0
./configutil -o local.store.notifyplugin.index.underquota.enable -v 0

```

### 13. Restart Messaging Server and verify that the JMQ index plugin is working.

```

./stop-msg
./start-msg

cat /opt/sun/comms/messaging64/log/imap

```

You should see entries similar to these:

```

[08/Aug/2014:21:23:39 +0000] mailhost imapd[28547]: General Notice: JMQ
notifications enabled: index
[08/Aug/2014:21:23:39 +0000] mailhost imapd[28547]: General Notice:
jmqNotify JMQ initialization MQCreateConnection [dest : index] [host :
127.0.0.1]
[08/Aug/2014:21:23:39 +0000] mailhost imapd[28547]: General Notice:
jmqNotify JMQ initialization MQCreateSession [dest : index] [host :
127.0.0.1]
[08/Aug/2014:21:23:39 +0000] mailhost imapd[28547]: General Notice:
jmqNotify JMQ initialization MQCreateDestination [dest : index] [host :
127.0.0.1] [topic : INDEXMS]
[08/Aug/2014:21:23:39 +0000] mailhost imapd[28547]: General Notice:
jmqNotify JMQ initialization MQCreateMessageProducerForDestination [dest
: index] [host : 127.0.0.1]
[08/Aug/2014:21:23:39 +0000] mailhost imapd[28547]: General Notice:
jmqNotify JMQ initialization MQCreateTextMessage [dest : index] [host :
127.0.0.1]
[08/Aug/2014:21:23:39 +0000] mailhost imapd[28547]: General Warning:
Oracle Communications Messaging Server IMAP4 7.0.5.31.0 64bit (built May
5 2014) starting up

```

14. Verify that the IMQ broker started up cleanly.

```
cat /var/imq/instances/imqbroker/log/log.txt
```

You should see entries similar to these:

```

[08/Aug/2014:21:23:39 UTC] [B1065]: Accepting:
jmquser@127.0.0.1:61422->jms:61299. Count: service=1 broker=1
[08/Aug/2014:21:23:40 UTC] [B1065]: Accepting:
jmquser@127.0.0.1:61428->jms:61299. Count: service=2 broker=2
[08/Aug/2014:21:23:41 UTC] [B1065]: Accepting:
jmquser@127.0.0.1:61434->jms:61299. Count: service=3 broker=3
```

15. Verify that the Messaging Server has producers connected to INDEXMS.

```
imqcmd list dst
Username: admin
Password: adminpass

Listing all the destinations on the broker specified by:

Host Primary Port

localhost 7676

Type State Producers Consumers Msgs
Total Wildcard Total Wildcard Count Remote UnAck Avg Size

Queue RUNNING 9 - 0 - 0 0 0 0.0
mq.sys.dm Queue RUNNING 0 - 0 - 0 0 0 0.0

Successfully listed destinations.
```

16. Prepare the Messaging Server to forward IMAP SEARCH queries to Indexing and Search Service.

```
cd /opt/sun/comms/messaging64/bin
./configutil -o service.imap.indexer.hostname -v
wireless.comms.example.com
./configutil -o service.imap.indexer.port -v 80
./configutil -o service.imap.indexer.enable -v 0
./configutil -o store.indexeradmins -v indexeradmin
```

17. Restart Messaging Server.

```
./stop-msg
./start-msg
```

18. Change directories to where the configuration script was installed and run the ISS configuration

script:

```
cd /opt/sun/comms/jiss/bin
./setup
```

The installation script prompts for a series of options. The following table shows how to respond to the configuration options:

**Table 15 Values for Indexing and Search configure Script**

| Option                                                                                    | [Default Value]                  | Enter                                 |
|-------------------------------------------------------------------------------------------|----------------------------------|---------------------------------------|
| Cluster configuration (iss.cluster.install)                                               | [standalone]                     | <i>accept default</i>                 |
| Fully qualified domain name of system (hostname)                                          | NA                               | <b>wireless.comms.example.com</b>     |
| Instance name of the installation for an indexing node, for example, iss1 (instance.name) | NA                               | <b>iss1</b>                           |
| User under which all JISS services will run (iss.user)                                    | [jiss]                           | <i>accept default</i>                 |
| Group under which all JISS services will run (iss.group)                                  | [jiss]                           | <i>accept default</i>                 |
| Location to store the Lucene indexes (iss.store.dir)                                      | [/var/opt/sun/comms/jiss/index]  | <i>accept default</i>                 |
| Location of attachment data (iss.data.dir)                                                | [/var/opt/sun/comms/jiss/attach] | <i>accept default</i>                 |
| Location of JISS log files (iss.log.dir)                                                  | [/var/opt/sun/comms/jiss/logs]   | <i>accept default</i>                 |
| Location of Java (java.home)                                                              | [/usr/jdk/latest]                | <i>accept default</i>                 |
| User/Group Directory Server format (mail.ldap)                                            | NA                               | <b>wireless.comms.example.com:389</b> |
| User/Group Base DN format (mail.basedn)                                                   | NA                               | <b>o=isp</b> (normally autodetected)  |
| Schema Level (mail.schemalevel)                                                           | NA                               | <b>2</b> (normally autodetected)      |
| User/Group Default Domain (mail.defaultdomain)                                            | NA                               | <b>comms.example.com</b>              |
| User/Group Directory Manager DM (mail.searchbind)                                         | [cn=Directory Manager]           | <i>accept default</i>                 |
| User/Group Directory Manager password (mail.searchbind.password)                          | NA                               | <b>adminpass</b>                      |
| Messaging Server store hostname (mail.server)                                             | NA                               | <b>wireless.comms.example.com</b>     |

|                                                                           |                      |                                                                             |
|---------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------|
| Comma-delimited list of mail server IPs (mail.server.ip)                  | NA                   | <b>Enter IP address of wireless.comms.example.com such as 192.168.49.94</b> |
| Read-only store admin username (mail.imap.admin.username)                 | [indexeradmin]       | <i>accept default</i>                                                       |
| Read-only store admin password (mail.imap.admin.password)                 | NA                   | <b>adminpass</b>                                                            |
| Messaging Server IMAP port (mail.imap.port)                               | [143]                | <i>accept default</i>                                                       |
| Messaging Server JMQ broker (mail.imq)                                    | NA                   | <b>wireless.comms.example.com:7676</b>                                      |
| JMQ notification user (mail.imq.user)                                     | [jmquser]            | <i>accept default</i>                                                       |
| JMQ notification user's password (mail.imq.password)                      | NA                   | <b>adminpass</b>                                                            |
| Directory location of the appserver (appserv.dir)                         | [/opt/SUNWappserver] | /opt/glassfish3/glassfish                                                   |
| Appserver web port (appserv.web.port)                                     | [8080]               | <b>80</b>                                                                   |
| Appserver admin port (appserv.admin.port)                                 | [4848]               | <i>accept default</i>                                                       |
| Appserver admin user (appserv.admin.user)                                 | [admin]              | <i>accept default</i>                                                       |
| Appserver admin user's password (appserv.admin.password)                  | NA                   | <b>adminpass</b>                                                            |
| Deploy the SearchUI web application (appserv.searchui.enabled)            | [false]              | <b>true</b>                                                                 |
| JISS JMQ broker hostname(s) list, that is host:7676,host2:7677 (imq.host) | NA                   | <b>wireless.comms.example.com:7676</b>                                      |
| Username for JISS JMQ broker (iss.imq.user)                               | [jmquser]            | <i>accept default</i>                                                       |
| Password for JISS JMQ user (iss.imq.password)                             | NA                   | <b>adminpass</b>                                                            |
| Password for admin user on JISS JMQ broker (iss.imq.admin.password)       | NA                   | <b>adminpass</b>                                                            |
| File based or Directory Server based JNDI lookups (jndi.type)             | NA                   | <b>ldap</b>                                                                 |

|                                                                         |                           |                                       |
|-------------------------------------------------------------------------|---------------------------|---------------------------------------|
| JISS Directory Server host list<br>host:port,host2:port2 (ldap.host)    | NA                        | <b>wireless.comms.example.com:389</b> |
| JISS Directory Manager DN<br>format<br>(java.naming.security.principal) | [cn=Directory<br>Manager] | <i>accept default</i>                 |
| JISS Directory Server password<br>(ldap.password)                       | NA                        | <b>adminpass</b>                      |
| Storeui access method<br>(iss.storeui.access.method)                    | [disk]                    | <i>accept default</i>                 |
| Watcher service enabled on<br>this host (iss.watcher.enabled)           | [false]                   | <i>accept default</i>                 |
| Isshttpsd service enabled on this<br>host (iss.isshttpsd.enabled)       | [false]                   | <i>accept default</i>                 |

19. Restart GlassFish Server.

```
cd /opt/SUNWappserver/bin
/opt/glassfish3/bin/asadmin restart-domain domain1
```

20. Bootstrap existing users to create their index by using the following `issadmin.sh --bootstrap` command.

```
cd /opt/sun/comms/jiss/bin
./issadmin.sh --bootstrap --user <username> --host <hostname>
--runoptimizer true
```

In this example, type the following command:

```
cd /opt/sun/comms/jiss/bin
./issadmin.sh --bootstrap --user jdoe --host wireless.comms.example.com
--runoptimizer true
```

21. Test that search works by typing the URL of the Search UIs in your browser and log in as a user.

- The URL for the Restful service is: `http://fully-qualified-server-name/rest`  
For this example, type:

```
http://wireless.comms.example.com/rest
```

- The URL for the Searchui is: `http://fully-qualified-server-name/searchui`  
For this example, type:

```
http://wireless.comms.example.com/searchui
```

- In each case, log in as user `jdoe`. The password is `demo`.

22. Configure Messaging Server to send searches to Indexing and Search Service:

```
cd /opt/sun/comms/messaging64/bin
./configutil -o service.imap.indexer.enable -v 1
./stop-msg
./start-msg
```

23. Increase the number of GlassFish Server request processing threads to support Convergence and Indexing and Search Service in the same web container.

- a. Find the number of CPUs on the system.

```
mpstat | grep -v CPU | wc -l
```

- b. Use that number to increase GlassFish Server processing threads.

```
cd /opt/glassfish3/bin
./asadmin set
server-config.network-config.transports.transport.tcp.acceptor-threads
number of CPUs from command above)
```

- c. When prompted, type the admin user and adminpass password.

```
Please enter the admin user name: admin
Please enter the admin password: adminpass
```

24. Configure ISS to autoprovision, autobootstrap, and autosync users.

- a. Change to the jiss/etc directory, make a copy of the jiss.conf file, then edit the file.

```
cd /opt/sun/comms/jiss/etc
cp jiss.conf jiss.conf.orig
vi jiss.conf
```

- b. Set the following configuration parameters:

```
iss.autoprovision.enabled = true
iss.indexsvc.periodic.autosync.enabled = true
iss.indexsvc.periodic.autobootstrap.enabled = true
iss.indexsvc.periodic.autosync.count = 2
```



**Note**

Set the `iss.indexsvc.periodic.autosync.count` parameter to the number of user accounts that should be synced every five minutes. If you want to ensure an autosync every 12 hours for each user in a 288 user deployment, you can set this value as shown.

25. Refresh ISS.

```
/opt/sun/comms/jiss/bin/issadmin.sh --refresh
```

26. Restart GlassFish Server.

```
cd /opt/SUNWappserver/bin
./asadmin stop-domain domain1
./asadmin start-domain domain1
```

27. Continue with the next section.

## Configuring Convergence

This section describes how to configure Convergence by using the `init-config` command.

1. Become the root user in the root directory

```
su -
```

2. Set the `JAVA_HOME` environment variable.  
For example, to set it for the C shell (csh):

```
setenv JAVA_HOME /usr/jdk/latest
```

3. Run the Convergence configuration script.

```
cd /opt/sun/comms/iwc/sbin
./init-config
```

4. Read the Software Requirements and press Enter to continue when prompted.
5. Accept the default for the Directory to store Configuration and Data Files:  
`/var/opt/sun/comms/iwc`  
The Components Selection page appears.
6. Install Mail Service, Calendar Service, Instant Messaging Service, and Indexing and Search Service.  
The configuration wizard prompts for a series of options. The following table shows how to respond to the configuration options:

**Table 16 Values for Convergence configure Script**

| Option                             | [Default Value]     | Enter:                |
|------------------------------------|---------------------|-----------------------|
| Host Name                          | [wireless]          | <i>accept default</i> |
| DNS Domain Name                    | [comms.example.com] | <i>accept default</i> |
| GlassFish Server Install Directory | [/opt/glassfish3]   | <i>accept default</i> |



|                                       |                                                     |                       |
|---------------------------------------|-----------------------------------------------------|-----------------------|
| Domain Directory                      | [/opt/glassfish3/glassfish/domains/domain1]         | <i>accept default</i> |
| Document Root Directory               | [/opt/glassfish3/glassfish/domains/domain1/docroot] | <i>accept default</i> |
| GlassFish Server Instance Name        | [server]                                            | <i>accept default</i> |
| Virtual Server Identifier             | [server]                                            | <i>accept default</i> |
| Server Instance HTTP Port             | [8080]                                              | <b>80</b>             |
| Administration Server Port            | [4848]                                              | <i>accept default</i> |
| Administrator User ID                 | [admin]                                             | <i>accept default</i> |
| Administrator Password                | NA                                                  | <b>adminpass</b>      |
| Secure Administration Server Instance | Checked                                             | <b>Checked</b>        |
| Web Container User ID                 | [root]                                              | <i>accept default</i> |
| Web Container Group ID                | [root]                                              | <i>accept default</i> |
| URI Path                              | [/iwc]                                              | <i>accept default</i> |
| Enable Hosted Domain Support          | [yes]                                               | <i>accept default</i> |
| Directory Server LDAP URL             | [ldap://wireless.comms.example.com:389/]            | <i>accept default</i> |
| Bind DN                               | [cn=Directory Manager]                              | <i>accept default</i> |
| Bind Password                         | NA                                                  | <b>adminpass</b>      |
| DC Tree suffix                        | [o=isp]                                             | <i>accept default</i> |
| Default Domain Name                   | [comms.example.com]                                 | <i>accept default</i> |
| Webmail Server Host Name              | [wireless.comms.example.com]                        | <i>accept default</i> |
| Webmail Server Port Number            | [8990]                                              | <i>accept default</i> |
| Webmail Admin User ID                 | [admin]                                             | <i>accept default</i> |
| Admin Password                        | NA                                                  | <b>adminpass</b>      |
| Calendar Server Version               | [7]                                                 | <i>accept default</i> |

|                                        |                                       |                                    |
|----------------------------------------|---------------------------------------|------------------------------------|
| Calendar Server Host Name              | [wireless.comms.example.com]          | <i>accept default</i>              |
| Calendar Server Port                   | [80]                                  | <b>8080</b>                        |
| Calendar server running in secure mode | [unchecked]                           | <i>accept default (Not secure)</i> |
| Calendar Server Service URI            | [/davserver/wcap]                     | <i>accept default</i>              |
| Access in SSL mode                     | unchecked                             | <i>accept default (Not secure)</i> |
| Administrator User ID                  | [calmaster]                           | <i>accept default</i>              |
| Administrator User Password            | NA                                    | <b>adminpass</b>                   |
| Instant Messaging Server Domain Name   | [comms.example.com]                   | <i>accept default</i>              |
| Instant Messaging Server Host Name     | [wireless.comms.example.com]          | <i>accept default</i>              |
| Server Port                            | [5269]                                | <i>accept default</i>              |
| httpbind Component JID                 | [wireless.httpbind.comms.example.com] | <i>accept default</i>              |
| Password                               | NA                                    | <b>adminpass</b>                   |
| Avatar Component JID                   | [wireless.avatar.comms.example.com]   | <i>accept default</i>              |
| Password                               | NA                                    | <b>adminpass</b>                   |
| ISS Host Name                          | [wireless.comms.example.com]          | <i>accept default</i>              |
| ISS Port Number                        | [8080]                                | 80                                 |
| ISS running in secure mode             | [no]                                  | <i>accept default</i>              |
| ISS Admin UserID                       | [indexeradmin]                        | <i>accept default</i>              |
| ISS Admin User Password                | NA                                    | adminpass                          |
| Convergence Administrator Username     | [admin]                               | <i>accept default</i>              |
| Password                               | NA                                    | <b>adminpass</b>                   |

7. Click Configure Now to configure Convergence.
8. Click Done to exit when the configuration is complete.
9. Configure Convergence to use Indexing and Search Service:

```
cd /opt/sun/comms/iwc/sbin
./iwcadmin -w adminpass -o ISS.enable -v true
./iwcadmin -w adminpass -o ISS.host -v wireless.comms.example.com
./iwcadmin -w adminpass -o ISS.port -v 80
./iwcadmin -w adminpass -o ISS.proxyadminid -v indexeradmin
./iwcadmin -w adminpass -o ISS.proxyadminpwd -v adminpass
```

10. Restart GlassFish Server.

```
cd /opt/glassfish3/bin
.asadmin stop-domain domain1
.asadmin start-domain domain1
```

11. In your web browser, open a URL for Convergence and log in as a test user.

The URL for Convergence is:

`http://fully-qualified-hostname/iwc`

In this example, type:

```
http://wireless.comms.example.com/iwc
```

At this point, you have completed installing and configuring the single host deployment example. You should now try out the system by conducting tasks such as:

- Creating users
- Logging in as various users and using email, calendaring, instant messaging, and address book functions
- Getting familiar with Communications Suite services and architecture

For more information on these topics, see the individual component product documentation.

## Creating Additional User Accounts and Groups

This section describes how to create additional users accounts and groups.

### To Create Users and Groups using the CLI

The following example shows how to create two new users (demo1 and demo2) with the password demo using the Delegated Administrator command-line utility and also how to create a mailing and calendar group (Demostaff@comms.example.com) consisting of the newly created users.

1. Run the following Delegated Administrator commands.

```
/opt/sun/comms/da/bin/commadmin user create -D admin -F Demo -l demo1 -L
One -d comms.example.com -W demo -S mail,cal,im -E
demo1@comms.example.com -H wireless.comms.example.com -B
wireless.comms.example.com
```

```
/opt/sun/comms/da/bin/commadmin user create -D admin -F Demo -l demo2 -L
Two -d comms.example.com -W demo -S mail,cal,im -E
demo2@comms.example.com -H wireless.comms.example.com -B
wireless.comms.example.com
```

```
/opt/sun/comms/da/bin/commadmin group create -D admin -G Demostaff -d
comms.example.com -S mail -E Demostaff@comms.example.com -H
wireless.comms.example.com -o calmaster -m demo1 -m demo2
```

Bootstrap the users you just added to create their index by using the following commands:

```
cd /opt/sun/comms/jiss/bin
./issadmin.sh --bootstrap --user demo1 --host
wireless.comms.example.com --runoptimizer true
./issadmin.sh --bootstrap --user demo2 --host
wireless.comms.example.com --runoptimizer true
```



#### Note

Creating groups by using the Delegated Administrator command-line interface guarantees that these groups will be recognized as LDAP groups that Instant Messenger can search for. They can also be used to send email to the entire group.

## To Use the Delegated Administrator GUI to Create Users

An alternative to using the Delegated Administrator command-line utility to create users is to use the Delegated Administrator web-based GUI.

Prior to using Delegated Administrator, check the `resource.properties` file to make sure users will be created using options consistent with your usage. Because this example uses a hosted domain scenario, you do not need to edit this file to make changes. If you do want to make changes, perform the following steps.

1. Change to the `/var/opt/sun/comms/da/WEB-INF/classes/sun/comm/cli/server/servlet` directory and edit the `resource.properties` file.
  - The default settings for servicepackage refresh rates are:

```
servicepackage-ttlhours=5
servicepackage-ttlminutes=0
```

These parameters establish the time between service packages refreshes. In this demo scenario, service packages do not change very often so there is no need to refresh them every five minutes. Instead, change the rate to refresh service packages every five hours. Making this change improves Delegated Administrator performance. If you later decide to change the refresh rate to 20 hours, set `servicepackage-ttlhours` to 20, that is, `servicepackage-ttlhours=20`.

- The default setting for calender ID type is set using the `switch-caltype` variable as follows:

```
switch-catype=hosted
```

The caltype can be either hosted or legacy. When caltype is set to hosted, users that are created through Delegated Administrator are created as `uid@domain` rather than `uid`.

2. If you make any changes to the `resource.properties` file, restart GlassFish Server.
3. The first time you use Delegated Administrator, you must add service packs to the organization that contains your users:
  - In your web browser, open the URL for Delegated Administrator.  
In this example, type:

```
http://wireless.comms.example.com/da/DA/Login
```

4. Log in as admin. The password is adminpass.
  - Click the check box next to `comms.example.com` organization, then click the Allocate Service Package button.  
The Allocate Service Package window appears with a list of service packages organized within a set of three pages. Near the top of this list is a Compare button. To the right of this button is a button that maps the three pages into a single view.
  - Click the Single Page button.
  - Select the desired service packages then click Next.  
The earth, mars, mercury, and venus choices are appropriate for this example, because they have mail and calendar services enabled. If you want to include Instant Messaging, choose the `mailcalendarimsample` package. Each service package has a different mail quota.
  - Accept the Mail Service defaults, then click Next.
  - If you chose a service package that contains Calendar, type the Calendar Host **wireless.comms.example.com** and **No** for Anonymous Login. Then click Next.
  - Select the quantity of each service pack desired then click Next.  
A quantity of 100 is appropriate for this example.
  - Review your choices and click Finish to create the service packages.  
Once the service packs have been allocated for the domain, you can add users to the domain.
  - Click the domain link. That is, click `comms.example.com`.
  - Click the New button to create a new user within this domain.
  - Type a First Name (such as **Demo**), a Last Name (such as **Five**), a Display Name (such as **Demo Five**), then click Next.
  - You do not need to type postal information. Click Next again.
  - Select a service pack for this user, for example, `earth`, then click Next.
  - Type the email address, for example, **demo5@comms.example.com**. The Mail Delivery Option should be Local Inbox. Leave the remaining fields blank then click Next.
  - Choose your calendar preferences, select your preferred timezone, then click Next.
  - If you selected a service package that includes Instant Messaging, you can leave the "User Roster" entry box blank.
  - Type the Login ID and Password then click Next.  
In this example, Login ID is **demo5** and password is **demo**.
  - Verify the user information then click Finish to create the user.

## Known Issues and Limitations

For more information about known issues, see the [Communications Suite 7.0.6 Release Notes](#).

## Message Queue Broker config.properties Changes for Indexing and Search Service 1.0.5.22.0

### Message Queue Broker config.properties Changes for Indexing and Search Service 1.0.5.22.0

The following information provides more details on the changes made to the `config.properties` file for Indexing and Search Service as part of the Single Host Deployment Example.

- `imq.portmapper.backlog=-1`  
When multiple Port Mapper requests are received concurrently, they are stored in an operating system backlog while awaiting action. The `imq.portmapper.backlog` property specifies the maximum number of such backlogged requests. When this limit is exceeded, any further requests are rejected until the backlog is reduced. For more information, see <http://docs.oracle.com/cd/E19575-01/821-0027/gheau/index.html>.
- `imq.destination.DMQ.truncateBody=true`  
When set to `true`, this parameter specifies to truncate the body of a dead message. For more information, see <http://docs.oracle.com/cd/E19587-01/821-0029/aeqdj/index.html>.
- `imq.autocreate.reaptime=7200`  
Specifies the delay, in seconds, before which auto-created destinations are removed from the system when they no longer have consumers nor contain messages. A smaller value means that memory reclamation takes place more often. For more information, see <http://docs.oracle.com/cd/E19575-01/821-0027/6nl40dsor/index.html#gbnof>.
- `imq.autocreate.destination.maxNumProducers=-1`  
Specifies the maximum number of message producers for destination. When this limit is reached, no new producers can be created. A value of `-1` denotes an unlimited number of producers. For more information, see <http://docs.oracle.com/cd/E19575-01/821-0027/6nl40dsor/index.html#gbnof>.
- `imq.autocreate.destination.limitBehavior=REMOVE_OLDEST`  
Specifies the broker behavior when memory-limit threshold reached. In this case, the value causes the oldest messages to be thrown out. For more information, see <http://docs.oracle.com/cd/E19575-01/821-0027/6nl40dsor/index.html#gbnof>.
- `imq.jms.max_threads=2000`  
Specifies the maximum numbers of threads the broker can run.

# Chapter 25. Communications Suite 7.0.6 on a Single Host (Linux)

---

## Deployment Example: Oracle Communications Unified Communications Suite 7.0.6 on a Single Host (Linux)

You can install Communications Suite 7.0.6 software as a functioning deployment on a single computer. The example provided here is intended for any evaluator, system administrator, or installation technician who wants to install and evaluate the services delivered by the Communications Suite. Communications Suite 7.0.6 supports both Oracle Linux 6 and Red Hat Enterprise Linux 6, 64-bit. The example applies to both operating systems.



### Note

Installing the back-end messaging, calendar, instant messaging, and address book services on the same system is not the optimal configuration, nor does it provide the best performance. This example deployment is not intended for production purposes. Use this configuration for evaluation and for training purposes only. Performance is better if you install services on separate machines. For more information on deploying Communications Suite, see *Unified Communications Suite Deployment Planning Guide*.

### Topics:

- [About This Deployment Example](#)
- [Installation Prerequisites](#)
- [Installing Communications Suite Components](#)
- [Configuring Communications Suite Components](#)
- [Enabling Service Start-up Upon Boot](#)
- [Creating Hosted Domains](#)
- [Single Host Installation Tuning Tips](#)
- [Known Issues and Limitations](#)

## About This Deployment Example

This section provides an overview of this deployment scenario, the hardware and software used, and the procedures you follow to install, configure, and use this deployment.

This section contains the following topics:

- [Installation Overview](#)
- [Implementation Specifications for This Example](#)
- [Installation Time Estimates](#)
- [Installation Notes and Recommendations](#)
- [Summary of Installation and Configuration](#)

## Installation Overview

This scenario results in a functioning deployment suited for the evaluation and testing of Oracle Communications Unified Communications Suite 7.0.6 on Oracle Linux 6. These instructions are not intended to act as a replacement for the individual component documentation, but to merely guide the

evaluator through an initial installation.

## What Components Are Installed?

This example guides you through installing the following Communications Suite and prerequisite components:

- Messaging Server 7.0.5.31.0
- Calendar Server 7.0.4.15.0
- Instant Messaging 9.0.2.6.0
- Directory Server Enterprise Edition 11gR1 Patch Set 2
- GlassFish Server 2.1.1 Patch 21 with HADB support
- GlassFish Server 3.1.2.8
- Delegated Administrator 7.0.0.9.0
- Convergence 3.0.0.1.0
- Indexing and Search Service 1.0.5.22.0
- MySQL 5.5.33 or later; for new installations, download the most recent version.
- Java SE 7u67

The example in this document uses the following values that you change according to your installation and test machine:

- Domain name: `comms.beta.com`
- Host name: `demo` (running Oracle Linux 6 64-bit)
- Fully qualified (external) host name: `demo.comms.beta.com`
- Administrative password: `adminpass`, used for all administrative accounts
- User name and password for test user: `jdoe`, `demo`

This example installs all of the software on a single system. Adjust host names accordingly, if you install the components on multiple systems.

## Recommended Ports

For convenience, this example uses mostly a set of recommended ports. If you use different ports, be sure to make the changes consistently throughout the installation. For example, this document uses port 4848 for the GlassFish Server admin port. If you decide to use port 3333 instead, be sure to change it everywhere 4848 occurs in the deployment example. See [Table 3](#) for more information.

## Implementation Specifications for This Example

This section describes implementation specifications for this example.



### Note

Certain components of Communications Suite 7.0.6 are only officially supported on Oracle Linux/RHEL 5, others on Oracle Linux/RHEL 6. As this is a single-host install, we had to compromise.

All components except for Delegated Administrator have Oracle Linux 6 as officially supported platform. As such, we have opted for moving forward and used Oracle Linux 6.x.

**Table 1 Evaluation Host Hardware and Software Requirements**



| Component  | Platform Requirement         |
|------------|------------------------------|
| CPU        | x86 64-bit                   |
| RAM        | 4 GB or more                 |
| Disk Space | 8.5GB                        |
| Software   | Oracle Linux 6 64-bit        |
| Users      | Provisioned with test users. |

**Table 2 Client Software Requirements**

| Component | Platform Requirement                                                      |
|-----------|---------------------------------------------------------------------------|
| Browser   | Firefox 28 or later, Internet Explorer 11, Safari 6.x, Chrome 34 or later |

**Table 3 Server Configuration Information**

| Component               | Install Notes                                                                   | Install Location   | Database Location                  | Port Name and Number                                                       |
|-------------------------|---------------------------------------------------------------------------------|--------------------|------------------------------------|----------------------------------------------------------------------------|
| GlassFish Message Queue | Installed by Communications installer. Additional configuration required.       | /etc/opt/sun/mq    | Not applicable                     | JMQ Port: 7676                                                             |
| Directory Server 11gR1  | Installed separately.                                                           | /opt/sun/directory | /var/opt/sun/directory/dsins1      | Directory Server Port: 389<br>SSL Port: 636                                |
| Java 7                  | Installed separately.                                                           | /usr/java          | Not applicable                     | Not applicable                                                             |
| GlassFish Server 2.1.1  | Installed separately. Required for Delegated Administrator                      | /opt/sun/appserver | /opt/sun/appserver/domains/domain1 | HTTP Port: 7080<br>Admin Port: 7888<br>HTTPS Port: 8282<br>JMQ Port: 57676 |
| Delegated Administrator | Installed by using Communications Installer. Additional configuration required. | /opt/sun/comms/da  | /var/opt/sun/comms/da              | HTTP Port: 7080<br>Admin Port: 7888<br>HTTPS Port: 8282                    |

|                             |                                                                                 |                            |                                           |                                                                                                                                                           |
|-----------------------------|---------------------------------------------------------------------------------|----------------------------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Messaging Server 7.0.5.31.0 | Installed by using Communications Installer. Additional configuration required. | /opt/sun/comms/messaging64 | /var/opt/sun/comms/messaging64            | Webmail Port (HTTP): 8990<br><br>SMTP Port: 25<br>POP Port: 110<br>IMAP Port: 143                                                                         |
| Instant Messaging 9         | Installed by using Communications Installer. Additional configuration required. | /opt/sun/comms/im          | /var/opt/sun/comms/im                     | XMPP Port: 5222<br>Multiplexed XMPP Port: 45222<br>Gateway Port: 55222<br>XMPP Server Port: 5269<br>LDAP Port: 389<br>Notification Server Port: 47676     |
| GlassFish Server 3          | Installed separately. Required for Convergence 3                                | /opt/glassfish3            | /opt/glassfish3/glassfish/domains/domain1 | HTTP Port: 80<br>Admin Port: 4848<br>HTTPS Port: 443<br>JMQ Port: 37676                                                                                   |
| Convergence 3.0.0.1.0       | Installed by using Communications Installer. Additional configuration required. | /opt/sun/comms/iwc         | /var/opt/sun/comms/iwc                    | Server Instance<br>HTTP Port: 80<br>Administration Server Port: 4848<br>Webmail Port: 8990<br>Calendar Port: 8080<br>IM Server Port: 5269<br>ISS Port: 80 |
| GlassFish Server 3          | Installed separately. Required for ISS                                          | /opt/glassfish3            | /opt/glassfish3/glassfish/domains/domain1 | HTTP Port: 8280<br>Admin Port: 8288<br>HTTPS Port: 8281<br>JMQ Port: 7676                                                                                 |

|                                        |                                                                                 |                          |                                                                                      |                                                                                                                 |
|----------------------------------------|---------------------------------------------------------------------------------|--------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Indexing and Search Service 1.0.5.22.0 | Installed by using Communications Installer. Additional configuration required. | /opt/sun/comms/jiss      | /var/opt/sun/comms/jiss                                                              | HTTP Port: 8280<br>Admin Port: 8288<br>HTTPS Port: 8281<br>IMAP Port: 143<br>JMQ Port: 7676<br>LDAP Port: 389   |
| MySQL 5.5.33, or later                 | Installed separately. Required for Calendar Server 7.0.4.15.0.                  | /usr                     | /var/lib/mysql                                                                       | DB Port: 3306                                                                                                   |
| GlassFish Server 3                     | Installed separately. Required for Calendar 7                                   | /opt/glassfish3          | /opt/glassfish3/glassfish/domains/domain2                                            | HTTP Port: 8080<br>Admin Port: 8800<br>HTTPS: 8181<br><br>JMQ Port: 47676                                       |
| Calendar Server 7.0.4.15.0             | Installed by using Communications Installer. Additional configuration required. | /opt/sun/comms/davserver | /var/opt/sun/comms/davserver,<br>/var/lib/mysql/calDav,<br>/var/lib/mysql/isdchedule | HTTP Port: 8080<br>Admin Port: 8800<br>DB Port: 3306<br><br>LDAP Port: 389<br>SMTP Port: 25                     |
| GlassFish Server 3                     | Installed separately. Required for Contacts Server 8                            | /opt/glassfish3          | /opt/glassfish3/glassfish/domains/domain3                                            | HTTP Port: 9080<br>Admin Port: 9888<br>HTTPS Port: 9191<br>JMQ Port: 97676                                      |
| Contacts Server 8                      | Installed by using Communications Installer. Additional configuration required. | /opt/sun/comms/nabserver | /var/opt/sun/comms/nabserver,<br>/var/lib/mysql/nab                                  | HTTP Port: 9080<br>Admin Port: 9888<br>HTTPS Port: 9191<br>DB Port: 3306<br><br>LDAP Port: 389<br>SMTP Port: 25 |

## Installation Time Estimates

The following table provides time estimates for installing this example.

**Table 4 Installation Time Estimates**

| Activity                                                            | Estimate          |
|---------------------------------------------------------------------|-------------------|
| Install Oracle Linux Operating System                               | 1 hours           |
| Install Communications Suite, GlassFish Server and Directory Server | 2 hours           |
| Configure software                                                  | 3 hours           |
| Total                                                               | 6 hours (average) |

As part of the configuration, you use Delegated Administrator to add users for Messaging Server, Calendar Server and Instant Messaging Server.

## Installation Notes and Recommendations

1. Use `gzip -d` or `gunzip` to decompress the \*.gz files.
2. Use `unzip` to decompress the \*.zip files.

### User Input

During installation, there are prompts in angled brackets for user input, for example: **<sample-password>**. The following table lists prompts you are likely to encounter.

**Table 5 Prompts for User Input**

| Prompt                                  | User Action                                                                                                                                                      |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>&lt;enter&gt;</b>                    | To accept a default value, press Enter.                                                                                                                          |
| <b>&lt;sample-password&gt;</b>          | Enter a password of at least 8 characters that is suitable for evaluation purposes. Use the same password wherever <b>&lt;sample-password&gt;</b> is required.   |
| <b>&lt;fully-qualified-hostname&gt;</b> | Enter a host name in combination with a domain name. For example, if the host name is abc and the domain name is demo . xyz . com, enter abc . demo . xyz . com. |
| <b>&lt;full-cookie-domainname&gt;</b>   | Enter a domain name preceded by a period. For example, if the full domain name is demo . xyz . com, enter . demo . xyz . com.                                    |

## Summary of Installation and Configuration

Installing and configuring this example involves the following high-level steps:

1. Preparing the system for Communications Suite
2. Running the Communications Installer to install the Communications Suite component software
3. Installing and configuring Directory Server
4. Installing Java (which is no longer shipped as part of the Communications Suite bundle)
5. Installing and Configuring GlassFish Server
6. Preparing Directory Server for Communications Suite
7. Configuring Delegated Administrator and Communications CLI
8. Configuring Messaging Server
9. Installing and Configuring MySQL Server
10. Configuring Calendar Server 7
11. Configuring Contacts Server 8

12. Configuring Instant Messaging
13. Configuring Indexing and Search Service
14. Configuring Convergence
15. Configuring users

These installation steps result in a suitable deployment to evaluate and test Communications Suite 7.0.6. These instructions are not intended to act as a replacement for the individual component documentation, but to merely guide the evaluator through an initial installation.

## Installation Prerequisites

Before you install Communications Suite 7.0.6, you need to carry out the following tasks:

- Check System Requirements  
Make sure that the computer meets the requirements specified in [Table 1](#).
- Verify that DNS is running and configured properly (see [To Check DNS](#)).
- Make sure that there are enough file descriptors (see [To Check the Number of File-Descriptors](#)).
- Enable process core dumps (see [To Enable Process Core Dumps](#)).
- Put Security-Enhanced Linux (SELinux) in permissive mode (see [To Put Security-Enhanced Linux \(SELinux\) in Permissive Mode](#)).
- Get the necessary software (see [To Get the Software](#)).

### To Check DNS

Verify that DNS is running and configured properly:

1. Take sure that the `/etc/resolv.conf` file has name server entries with the IP addresses of valid name servers.

For example:

```
domain comms.beta.com
nameserver 192.168.100.22
nameserver 192.168.100.23
nameserver 192.168.100.24
nameserver 192.168.100.25
```

2. Make sure that the `/etc/hosts` file has an entry for the fully qualified host name of the server. This fully qualified host name should be listed before the non fully qualified host name.

For example:

```
10.1.82.52 demo.comms.beta.com demo
```

3. Make sure that the `/etc/nsswitch.conf` file is configured to use files first to resolve host names. The hosts line in the `nsswitch.conf` file should list files first in its entry:

```
hosts: files dns nis [NOTFOUND=return]
OR (if NIS is not used)
hosts: files dns
```

### To Check the Number of File-Descriptors

The default installation of Oracle Linux 6 uses 1024 file descriptors, which is insufficient for the correct operation of Communications Suite 7.0.6. A Communications Suite 7.0.6 system needs the maximum file descriptors set to 16384.

1. In a terminal window, as root user, verify the number of file descriptors.

```
ulimit -n
1024
```

2. If this number is less than 16384, you need to increase the value.
3. To change the number of file descriptors, add the following to the `/etc/sysctl.conf` file. Or, if the parameter is already set, increase the value to 16384.

```
fs.file-max = 16384
```

4. Add the following two lines to the `/etc/security/limits.conf` file.

```
Increase max file descriptors
* - nofile 16384
```

**Note**

Be careful when editing configuration files to not introduce extra spaces and lines, as this could cause errors. If you do accidentally type extra spaces, try copying existing lines and then overwriting them (by pasting) to get rid of any extra spaces. Using a text editor that displays hidden characters can also help.

5. Reboot the system for the value to take effect.
6. In a new terminal window, as root verify the change.

```
ulimit -n
16384
```

## To Enable Process Core Dumps

Oracle Linux disables process core dumps by default. Process core dumps are essential for tracing the root cause behind a process crashing. For two examples of how to enable process core dumps:

<http://www.cyberciti.biz/tips/linux-core-dumps.html>  
<http://www.unixmen.com/how-to-enable-core-dumps-in-rhel6/>

Note the following modifications:

- Store core dumps in a dedicated directory, such as `/var/core`.
- Make sure that the directory has the appropriate permissions. For example, you need to run a command such as the following:

```
chmod 1777 /var/core
```

## To Put Security-Enhanced Linux (SELinux) in Permissive Mode

When SELinux is in Enforced mode, errors will occur during the configuration of some Communication Suite components. To avoid this, put SELinux in Permissive mode (see [RedHat Solutions](#) for

instructions), or preferably in Disabled mode.

## To Get the Software

To get the necessary software:

- Get the software from the Communications Suite 7.0.6 download site: [Oracle Software Delivery Cloud](#).
- See [Oracle Support](#) for the most recent patches for Communications Suite component products.

## To Get the GlassFish Server 2 Software

GlassFish Server 2.1.1 with HADB is the primary web container used by Delegated Administrator.

To get the software, download patch 128645-35 from My Oracle Support at:  
<https://support.oracle.com/>

## To Get the GlassFish Server 3 Software

The GlassFish Enterprise Server with HADB Version 3 is the primary web container used by Convergence, Indexing and Search Service, and Calendar Server.

To get the software, download patch 147913-11 from My Oracle Support at:  
<https://support.oracle.com/>

## Installing Communications Suite Components

Deploying Communications Suite components is a two-step process. You first install the software and the shared components then you configure the individual server components.

This section contains the following topics:

- [Before You Begin](#)
- [Installing Communications Suite 7.0.6 Software](#)
- [Installing and Configuring Directory Server](#)
- [Downloading and Installing Java](#)
- [Installing and Configuring GlassFish Server 2](#)
- [Installing and Configuring GlassFish Server 3](#)

## Before You Begin

Before you configure the Communications Suite software:

- [Disable any active mail server process](#)
- [Define a run-time user for the Messaging Server](#)

## Disable Any Active Mail Server Process

The standard port for the Simple Mail Transfer Protocol (SMTP) is port 25. The following example checks to see if a mail process is listening on port 25 and then disables it:

1. As root, check to see if there is an active process listening on port 25:

```
netstat -tulpn | grep :25
tcp 0 0 127.0.0.1:25 0.0.0.0:* LISTEN 2258/master
tcp 0 0 :::25 :::* LISTEN 2258/master
```

2. If a process listening on port 25 is listed, identify the executable.

```
ls -al /proc/2258/exe
lrwxrwxrwx. 1 root root 0 Aug 20 10:32 /proc/2258/exe ->
/usr/libexec/postfix/master
```

3. Stop the identified messaging service and prevent it from being restarted when the system reboots:

```
service postfix stop
chkconfig --del postfix
```

## Define a Run-Time User for the Messaging Server

During initial configuration of Messaging Server, the configuration process can create a run-time user for the Messaging Server, but it assigns a system name as the user ID. If you configure the run-time user manually, you can specify a user ID of your own choosing. The typical Unix name for the run-time user is `mailsrv`, and the name of the group the run-time user belongs to is typically `mail`. The following example creates a run-time user, `mailsrv`, with user ID 7633 and a group ID of `mail`. If `mailsrv` is already in use on your system, create a user with a different name, `mailsrv2`, for example.

```
groupadd mail
mkdir -p /export/home
useradd -u 7633 -g mail -d /export/home/mailsrv -m mailsrv
```

## Installing Communications Suite 7.0.6 Software

To install the Communications Suite software on your host:

1. Create a `/temp/UCS` directory, move the Communications Suite 7.0.6 software zip file (`V46527-01.zip`) to this directory and extract the files.

```
cd /temp/UCS
unzip V46527-01.zip
```

2. Run the Communications Suite installer.

```
./commpkg --OSversionOverride install
```



**Note**

The OSversionOverride switch is needed if you want to install the Delegated Administrator 7.0.0.9.0 component which is unsupported on Oracle Linux 6, or the Contacts (address book) component on Oracle Linux 5. Hence, if you need to evaluate all UCS components on a Oracle Linux 5 or 6, the OSversionOverride switch is necessary. If you do not need to install all the components, the "commpkg install" command automatically presents the list of components that are supported on the machine's OS.

**Note**

Delegated Administrator 7.0.0.10.0, released after the release of the Communications Suite 7.0.6, supports Oracle Linux 6 and GlassFish Server 3.

3. Accept the default Install location: /opt/sun/comms
4. Select the following components for installation (2,3,4,5,6,7,8,9).

```
2. Messaging Server (64bit) 7.0.5.31.0
3. Comms DSsetup 6.4.0.26.0
4. Calendar Server 7.0.4.15.0
5. Instant Messaging 9.0.2.6.0
6. Convergence 3.0.0.1.0
7. Indexing and Search Service 1.0.5.22.0
8. Comms Delegated Administrator 7.0.0.9.0
9. Contacts Server 8.0.0.0
```

The installation proceeds.

5. Press Enter when prompted to continue.
6. Continue with the next section.

## Installing and Configuring Directory Server

Directory Server 7.0.1 (Oracle Directory Server Enterprise Edition 11g Release 1 Patch Set 2 (also known as ODSSEE11g) is the preferred version. Before you proceed, make sure that you get the Directory Server 11gR1 software from the [Oracle Software Delivery Cloud](#). See [Dependent Component Product Software](#) for download instructions.

1. Move the downloaded Directory Server zip file V35071-01.zip to a temporary location, such as /temp/DS then unzip the file.

```
cd /temp/DS
unzip V35071-01.zip
```

2. Deploy the Directory Server 7 software to the /opt/sun/directory directory.

```
cd ODSEE_ZIP_Distribution
unzip sun-dsee7.zip
mv dsee7 /opt/sun/directory
```

3. Create a new directory server instance in the /var/opt/sun/directory/dsins1 directory.

```
mkdir /var/opt/sun/directory
cd /opt/sun/directory/bin
./dsadm create -p 389 -P 636 /var/opt/sun/directory/dsins1
```

4. When prompted, type **adminpass** for the Directory Manager password.
5. Create the user and group suffix **o=isp**.

```
./dsadm start /var/opt/sun/directory/dsins1
./dsconf create-suffix "o=isp"
```

6. When prompted, type **Y** to accept the certificate.
7. When prompted, type **adminpass** for the Directory Manager password.
8. Restart your Directory Server instance:

```
./dsadm stop /var/opt/sun/directory/dsins1
./dsadm start /var/opt/sun/directory/dsins1
```

9. Continue with the next section.

## Downloading and Installing Java

Java is no longer bundled with the Oracle Communications Unified Communications Suite installer and requires manual installation.

UCS components support Java 6 or Java 7. Delegated Administrator for UCS 7.0.0.9.0 requires GlassFish Server 2.1.1; all other UCS products can use GlassFish Server 3, and some can only use GlassFish Server 3. For purposes of simplicity, the example presented here uses 32-bit Java 7. GlassFish Server 2.1.1 does not officially support Java 7, but you can use it with Java 7 for evaluations. For live deployments, see [Installing Java For Communications Suite 7.0.6](#).

This deployment example:

- Installs a JDK, rather than the JRE.  
The JDKs include debugging tools, such as `jstack`, and the Delegated Administrator requires the JAR utility.
- Installs Java 7u67, 32-bit JDK for Linux; you can use a later version of Java 7.

### Downloading Java 7 for Linux

To download 32-bit Java for Linux:

1. Navigate to [Oracle Java SE Downloads](#).
2. Click the Download button for the latest release of the JDK for Java 7.  
This displays the download page and a license agreement for the release you selected.
3. Accept the license agreement.
4. Download `jdk-7u67-linux-i586.tar.gz`

### Installing Java 7 for Linux

To install Java 7 for Linux:

1. Uncompress and open the downloaded `jdk-7u67-linux-i586.tar.gz` in `/usr/java`.  
For example:

```
tar zxvf jdk-7u67-linux-i586.tar.gz
```

2. Remove any earlier version of Java pointed to by the latest symlink and update the symlink to point to the new version of Java.

For example:

```
rm latest
ln -s jdk1.7.0_67 latest
```

3. Set the default Java application:  
Add the new Java version to the list of possible Java alternatives

```
/usr/sbin/alternatives --install /usr/bin/java java
/usr/java/jdk1.7.0_67/bin/java 200000
/usr/sbin/alternatives --install /usr/bin/javac javac
/usr/java/jdk1.7.0_67/bin/javac 200000
/usr/sbin/alternatives --install /usr/bin/jar jar
/usr/java/jdk1.7.0_67/bin/jar 200000
```

4. Verify That the new Java version is selected as the default alternative:

```
/usr/sbin/alternatives --config java
/usr/sbin/alternatives --config javac
/usr/sbin/alternatives --config jar
```

5. Verify that Java has been set up correctly.

```
/usr/java/jdk1.7.0_67/bin/java -version
```

6. The shell returns the current Java version. It should match the version you have just installed. For example:

```
/usr/bin/java -version
java version "jdk1.7.0_67"
Java(TM) SE Runtime Environment (build 1.7.0_67-b01)
Java HotSpot(TM) Client VM (build 24.65-b04, mixed mode)
```

7. Install and configure GlassFish Server 2, as described in the next section.

## Installing and Configuring GlassFish Server 2

GlassFish Server 2.1.1 with HADB is the primary web container used by Delegated Administrator.

1. Prior to installing GlassFish Server, verify the Java version running on the host.

```
java -version
```

The shell returns results that look similar to the following:

```
java version "1.7.0_67"
Java(TM) SE Runtime Environment (build 1.7.0_67-b01)
Java HotSpot(TM) Client VM (build 24.65-b04, mixed mode)
```

If the version is not 1.7.0, make sure that you properly set the default Java in the previous task.

2. Move the downloaded GlassFish Server 2.1.1 zip file 128645-35.zip to a temporary location, such as /temp/GF, then unzip the file and launch the installer.

```
cd /temp/GF
unzip 128645-35.zip
cd 128645-35
./sges_ee-2_1_1-p21-linux-ml.bin -console
```

3. When prompted, press Enter to continue.
4. Accept the License Agreement by typing **yes** when prompted.  
The installation script prompts for a series of options. The following table shows how to respond to the configuration options:

**Table 6 GlassFish Server Settings**

| Option                                    | [Default Value]         | Enter:                              |
|-------------------------------------------|-------------------------|-------------------------------------|
| Installation Directory                    | [/opt/SUNWappserver]    | <b>/opt/sun/appserver</b>           |
| Create Directory or Choose New            | Create Directory        | <i>accept default</i>               |
| Install Node Agent                        | [yes]                   | <b>no</b>                           |
| Install High Availability Database Server | [no]                    | <i>accept default</i>               |
| Install Load Balancing Plugin             | [no]                    | <i>accept default</i>               |
| Install Domain Administration Server      | [yes]                   | <i>accept default</i>               |
| Install Sample Applications               | [yes]                   | <b>no</b>                           |
| Java Configuration                        | [1. Install Java 2 SDK] | <b>2. Reuse existing Java 2 SDK</b> |
| Existing JDK Location                     | [/usr/java/jdk1.7.0_67] | <i>accept default</i>               |
| Admin User                                | [admin]                 | <i>accept default</i>               |
| Admin User's Password                     | NA                      | <b>adminpass</b>                    |
| Master Password for SSL Certificate       | NA                      | <b>adminpass</b>                    |
| Admin Port                                | [4848]                  | <b>7888</b>                         |
| HTTP Port                                 | [8080]                  | <b>7080</b>                         |
| HTTPS Port                                | [8181]                  | <b>8282</b>                         |
| Enable Update Center client               | [yes]                   | <b>no</b>                           |
| Upgrade from previous AS version          | [no]                    | <i>accept default</i>               |

5. Select 1. Install Now.  
The installation proceeds.
6. When the installation completes, press Enter to exit.
7. Edit the `/opt/sun/appserver/domains/domain1/config/domain.xml` file to change the Java Message Queue (JMQ) port from 7676 to 57676.  
Look for a line similar to the following:

```
jms-host name="default_JMS_host" host="demo.comms.beta.com"
port="7676"
```

Change to port to 57676, save and exit the file.



#### Note

By default, GlassFish Server starts a bundled instance of JMQ on port 7676. This port assignment conflicts with the instance of JMQ used by Indexing and Search Service. To avoid the conflict, change the port used by the GlassFish JMQ.

8. Start GlassFish Server:

```
cd /opt/sun/appserver/bin
./asadmin start-domain domain1
```

9. When prompted, type:  
username: **admin**  
admin password: **adminpass**  
master password: **adminpass**
10. Verify that GlassFish Server is running by accessing the following URL:

```
http://demo.comms.beta.com:7080/
```

You should see the Server is Running web page.

11. Perform the following steps to save the admin username and password so they don't need to be provided each time GlassFish Server is started. (You must still type the master password.)

```
cd /opt/sun/appserver/bin
./asadmin login --port 7888
```

12. Type **admin** and **adminpass** as the username and password when prompted.
13. Continue with the next section.

## Installing and Configuring GlassFish Server 3

The GlassFish Enterprise Server with HADB Version 3 is the primary web container used by Convergence, the Indexing and Search Service and Calendar Server 7.

The first domain is the GlassFish Server 3 Server for Convergence and ISS.  
There are several ways to install GlassFish Server, the following is an example.

1. Create a file called `answerfile` that contains the following content. Be sure to replace `demo.comms.beta.com` with the correct name of the server.

```

InstallType.Option.INSTALL_AND_CONFIG=INSTALL_AND_CONFIG
UpdateTool.Configuration.PROXY_PORT=80
SOAccountCreation.accountinfo.FIRSTNAME=
ClusteredInstance.Configuration.CLUSTER_NAME=c1
Domain.Configuration.ADMIN_PASSWORD_REENTER=adminpass
StandaloneInstance.Configuration.SERVER_HOST_NAME=demo.comms.beta.com
RegistrationOptions.regoptions.USE_EXISTINGACCT=USE_EXISTINGACCT
Domain.Configuration.ADMIN_PASSWORD=adminpass
UpdateTool.Configuration.BOOTSTRAP_UPDATETOOL=true
RegistrationOptions.regoptions.USERNAME=
StandaloneInstance.Configuration.INSTANCE_NAME=instance1
ClusteredInstance.Configuration.INSTANCE_NAME=instance1
SOAccountCreation.accountinfo.EMAIL=
ClusteredInstance.Configuration.SERVER_ADMIN_PORT=4848
Domain.Configuration.CREATE_SERVICE=false
ClusteredInstance.Configuration.CREATE_CLUSTER=false
InstallUserType.Option.ADVANCED_USER=ADVANCED_USER
UpdateTool.Configuration.ALLOW_UPDATE_CHECK=true
SOAccountCreation.accountinfo.LASTNAME=
RegistrationOptions.regoptions.CREATE_NEWACCT=CREATE_NEWACCT
JDKSelection.directory.HIDDEN_JDK=/usr/java/jdk1.7.0_67
SOAccountCreation.accountinfo.PASSWORD=
ConfigType.Option.CREATE_CLUSTEREDINSTANCE=CREATE_CLUSTEREDINSTANCE
JDKSelection.directory.JDK_LIST=/usr/java/jdk1.7.0_67 (v. 1.7.0_67 by
Oracle Corporation)
ClusteredInstance.Configuration.SERVER_HOST_NAME=demo.comms.beta.com
SOAccountCreation.accountinfo.REENTERPASSWORD=
JDKSelection.directory.JDK_TYPED_IN_CHOICE=false
UpdateTool.Configuration.PROXY_HOST=
InstallType.Option.INSTALL_ONLY=INSTALL_ONLY
ConfigType.Option.CREATE_STANDALONEINSTANCE=CREATE_STANDALONEINSTANCE
Domain.Configuration.HTTP_PORT=80
RegistrationOptions.regoptions.SKIP_REGISTRATION=SKIP_REGISTRATION
Domain.Configuration.SERVICE_NAME=domain1Service
ConfigType.Option.NO_CONFIGURATION=NO_CONFIGURATION
Domain.Configuration.ADMIN_USER=admin
JDKSelection.directory.JDK_FROM_LIST_CHOICE=true
RegistrationOptions.regoptions.USERPASSWORD=
SOAccountCreation.accountinfo.COUNTRY=
InstallHome.directory.INSTALL_HOME=/opt/glassfish3
Domain.Configuration.ADMIN_PORT=4848
SOAccountCreation.accountinfo.COMPANYNAME=
InstallUserType.Option.BASIC_USER=BASIC_USER
ConfigType.Option.CREATE_DOMAIN=CREATE_DOMAIN
InstallType.Option.CONFIG_ONLY=CONFIG_ONLY
Domain.Configuration.START_SERVER=false
Domain.Configuration.DOMAIN_NAME=domain1
ClusteredInstance.Configuration.DOMAIN_NAME=domain1
JDKSelection.directory.JDK_TYPE_IN=
StandaloneInstance.Configuration.SERVER_ADMIN_PORT=4848
SOAccountCreation.accountinfo.COUNTRY_DROP_DOWN=
RegistrationOptions.regoptions.DUMMY_PROP=

```

2. Move the downloaded GlassFish Server 3 zip file 147913-11.zip to a temporary location, such as /temp/GF3, then unzip the file and launch the installer.

```
cp answerfile /temp/GF3
cd /temp/GF3
unzip 147913-11.zip
cd 147913-11
./ogs-3.1.2-8-unix-ml.sh -a /temp/GF3/answerfile -s
```

3. Delete the domain that was created with a default password and recreate the domain using the adminpass password

```
cd /opt/glassfish3/bin
./asadmin delete-domain domain1
./asadmin create-domain --adminport 4848 --instanceport 80
--savemasterpassword=true domain1
```

4. Edit the /opt/glassfish3/glassfish/domains/domain1/config/domain.xml file to :
  - a. Change the Java Message Queue (JMQ) port from 7676 to 37676 :  
Look for a line similar to the following:

```
jms-host name="default_JMS_host" host="demo.comms.beta.com"
port="7676"
```

Change to port to 37676.

- b. Change the https (SSL) port from 8181 to the default 443 :  
You will see a line similar to the following:

```
network-listener port="8181" protocol="http-listener-2"
```

Change this port from 8181 to 443.

- c. Save and exit the file.
5. Start GlassFish Server

```
./asadmin start-domain domain1
```

6. Enable secure administration of GlassFish Server.

```
./asadmin enable-secure-admin --port 4848
```

7. Restart the GlassFish Server:

```
./asadmin stop-domain domain1
./asadmin restart-domain domain1
```

8. Verify that GlassFish Server is running by accessing the following URL:

```
http://demo.comms.beta.com/
```

You should see the Server is Running web page.

## Configuring Communications Suite Components

This section describes how to run the individual component configuration utilities to perform initial software configuration.

This section contains the following topics:

- [Preparing the Directory](#)
- [Configuring Delegated Administrator and Communications CLI](#)
- [Configuring Messaging Server](#)
- [Configuring Calendar Server 7](#)
- [Configuring Contacts Server](#)
- [Configuring Instant Messaging Server](#)
- [Configuring Indexing and Search Service](#)
- [Configuring Convergence](#)
- [Creating Additional User Accounts and Groups](#)

### Preparing the Directory

To prepare the Directory Server LDAP schema, apply schema 2 to your directory tree:

1. Change the directory in which the `comm_dssetup.pl` script is located and run the script, for example:

```
cd /opt/sun/comms/dssetup/sbin/
./comm_dssetup.pl
```

2. Type **y** to continue.  
The script prompts for a series of options. The following table shows how to respond to the prompts.

**Table 7 Values for `comm_dssetup.pl` Script**



| Option                                | [Default Value]                 | Enter:                |
|---------------------------------------|---------------------------------|-----------------------|
| Directory server root                 | [/var/opt/sun/directory/dsins1] | <i>accept default</i> |
| Directory Manager DN                  | [cn=Directory Manager]          | <i>accept default</i> |
| Directory Manager Password            | NA                              | <b>adminpass</b>      |
| Use directory server for users/groups | [yes]                           | <i>accept default</i> |
| Users/Groups base suffix              | [o=isp]                         | <i>accept default</i> |
| Schema type?                          | [1]                             | <b>2</b>              |
| Confirm Schema Type?                  | [n]                             | <b>y</b>              |
| Update the schema files?              | [yes]                           | <i>accept default</i> |
| Configure new indexes?                | [yes]                           | <i>accept default</i> |
| Reindex new indexes?                  | [yes]                           | <i>accept default</i> |

3. Confirm your choices and type **y** to continue.  
The `comm_dssetup.pl` script proceeds.
4. When prompted, type **y** to continue with the script.
5. Continue with the next section after `comm_dssetup.pl` completes and the Successful Completion message is displayed.

## Configuring Delegated Administrator and Communications CLI

This section describes configuring Delegated Administrator console and utility, which provide user and group management. The GlassFish Server used is the GlassFish Server 2 instance.

To configure Delegated Administrator:

1. Set the `JAVA_HOME` environment variable.  
For example, if you are running `bash`, type:

```
export JAVA_HOME=/usr/java/jdk1.7.0_67
```

2. Change to the directory where the configuration script was installed and run the script, for example:

```
cd /opt/sun/comms/da/sbin
./config-commda -nodisplay
```

3. Select Enter in the Welcome window.
4. Accept the default, `/var/opt/sun/comms/da`, for the Directory to store Configuration and Data Files:  
If the directory does not exist, select `Create Directory` to create the directory.
5. Install Delegated Administrator Utility, Console, and Server.  
The installation script prompts for a series of options. The following table shows how to respond to the configuration options:

**Table 8 Values for config-commda Script**

| Option | [Default Value] | Enter: |
|--------|-----------------|--------|
|--------|-----------------|--------|

|                                        |                                              |                           |
|----------------------------------------|----------------------------------------------|---------------------------|
| DA Web-Container Hostname              | [demo.comms.beta.com]                        | <i>accept default</i>     |
| DA Web-Container Port                  | [8080]                                       | <b>7080</b>               |
| Default Domain                         | [comms.beta.com]                             | <i>accept default</i>     |
| Default SSL Port                       | [443]                                        | <b>8282</b>               |
| Web Container                          | [Web Server 6.x/WEB]                         | <b>APP8</b>               |
| Install Directory (for DA Console)     | [/opt/sun]                                   | <b>/opt/sun/appserver</b> |
| Domain Directory                       | [/opt/sun/appserver/domains/domain1]         | <i>accept default</i>     |
| Doc Root Directory                     | [/opt/sun/appserver/domains/domain1/docroot] | <i>accept default</i>     |
| Server Target Name                     | [server]                                     | <i>accept default</i>     |
| Virtual Server Identifier              | [server]                                     | <i>accept default</i>     |
| Server Instance HTTP Port              | [80]                                         | <b>7080</b>               |
| Administration Server Port             | [4849]                                       | <b>7888</b>               |
| Administrator User ID                  | [admin]                                      | <i>accept default</i>     |
| Administrator Password                 | NA                                           | <b>adminpass</b>          |
| Secure Administration Server Instance? | [yes]                                        | <i>accept default</i>     |
| Default Domain Separator               | [@]                                          | <i>accept default</i>     |
| Directory Server Interface             | [DL]                                         | <i>accept default</i>     |
| Web Container                          | [Web Server 6.x/WEB]                         | <b>APP8</b>               |
| Install Directory (for DA Server)      | [/opt/sun]                                   | <b>/opt/sun/appserver</b> |
| Domain Directory                       | [/opt/sun/appserver/domains/domain1]         | <i>accept default</i>     |
| Doc Root Directory                     | [/opt/sun/appserver/domains/domain1/docroot] | <i>accept default</i>     |
| Server Target Name                     | [server]                                     | <i>accept default</i>     |
| Virtual Server Identifier              | [server]                                     | <i>accept default</i>     |
| Server Instance HTTP Port              | [80]                                         | <b>7080</b>               |
| Administration Server Port             | [4849]                                       | <b>7888</b>               |
| Administrator User ID                  | [admin]                                      | <i>accept default</i>     |
| Administrator Password                 | NA                                           | <b>adminpass</b>          |
| Secure Administration Server Instance? | [yes]                                        | <i>accept default</i>     |
| URL of Directory Server                | [ldap://demo.comms.beta.com:389]             | <i>accept default</i>     |

|                                          |                          |                       |
|------------------------------------------|--------------------------|-----------------------|
| Bind As                                  | [cn=Directory Manager]   | <i>accept default</i> |
| Password                                 | NA                       | <b>adminpass</b>      |
| Internal LDAP user (daAdmin) Password    | NA                       | <b>adminpass</b>      |
| Organization DN                          | [o=comms.beta.com,o=isp] | <i>accept default</i> |
| Top Level Admin for Default Organization | [admin]                  | <i>accept default</i> |
| Password                                 | NA                       | <b>adminpass</b>      |
| Load Sample Service Packages             | [Y]                      | <i>accept default</i> |
| Load Sample Organizations                | [Y]                      | <b>n</b>              |
| Preferred Mailhost for Sample            | [demo.comms.beta.com]    | <i>accept default</i> |

6. Select 1 - Configure Now.  
The script begins to run.
7. When the panel displays "All Tasks Passed," press Enter to continue.  
Two warnings appear: one reminds you to restart the GlassFish Server; the other reminds you to enable the mail, calendar, and instant messaging services in the domain.
8. Select 2, Done, to exit the Delegated Administrator Configuration wizard.
9. Restart GlassFish Server.

```
cd /opt/sun/appserver/bin
./asadmin stop-domain domain1
./asadmin start-domain domain1
```

10. Modify the default domain to provide mail, calendar and IM services.

```
cd /opt/sun/comms/da/bin/
./commadmin domain modify -D admin -d comms.beta.com -S mail,cal,im
-H demo.comms.beta.com -B demo.comms.beta.com
```

Enter password adminpass when prompted.

11. Create a test user account with a username of jdoe and password of demo by using the commadmin utility.

```
./commadmin user create -D admin -d comms.beta.com -S mail,cal,im -H
demo.comms.beta.com -B demo.comms.beta.com -F John -L Doe -l jdoe -W
demo -E jdoe@comms.beta.com
```

Enter password adminpass when prompted for the admin password and enter password demo when prompted for the user password. Continue to create as many users as you like at this point.

**Note**

The `jdoe` account is also used later in the Messaging Server configuration phase as the first member of the postmaster group.

12. Verify that you can access Delegated Administrator:
  - a. In your web browser, open a URL for Delegated Administrator. The URL for Delegated Administrator is:  
`http://fully-qualified-hostname:app-server-port/da`  
 In this example, type:

```
http://demo.comms.beta.com:7080/da/
```

- b. Log in using `admin` and `adminpass` as the user ID and password.  
 Logging in verifies that you can access Delegated Administrator.
13. Log out of Delegated Administrator and continue with the next section.

## Configuring Messaging Server

To Configure Messaging Server:

1. Change to the directory where the Messaging Server configure script is stored, then run the script, for example:

```
cd /opt/sun/comms/messaging64/bin
./configure
```

The Configuration Wizard appears. Read the introductory information and proceed.

2. The installation script prompts for a series of options.  
 The following table shows how to respond to the configuration options:

**Table 9 Values for Messaging Server configure Script**

| Option                                 | [Default Value]                             | Enter:                     |
|----------------------------------------|---------------------------------------------|----------------------------|
| Path for Data and Configuration Files  | <code>/var/opt/sun/comms/messaging64</code> | <i>accept default</i>      |
| Messaging Server Unix user             | <code>[mailsrv]</code>                      | <i>accept default</i>      |
| Fully qualified local hostname         | <code>[demo.comms.beta.com]</code>          | <i>accept default</i>      |
| Default mail domain name               | <code>[comms.beta.com]</code>               | <i>accept default</i>      |
| Hostname for LDAP Directory Server     | <code>NA</code>                             | <b>demo.comms.beta.com</b> |
| LDAP administrator login               | <code>[cn=Directory Manager]</code>         | <i>accept default</i>      |
| LDAP administrator password            | <code>NA</code>                             | <b>adminpass</b>           |
| Mail address for postmaster notices    | <code>[admin@comms.beta.com]</code>         | <b>jdoe@comms.beta.com</b> |
| IP address info for mail relay systems | <code>NA</code>                             | <i>accept default</i>      |
| Password for server administration     | <code>NA</code>                             | <b>adminpass</b>           |

When configuration completes, you may see the following message. You can safely ignore it.

```
==Disabling sendmail
error reading information on service sendmail: No such file or
directory
...
```

If sendmail was running on your system, you will see the following message, which means that sendmail was disabled to allow the configuration to go forward (see [Disable Any Active Mail Server Process](#)).

```
==Disabling sendmail
sendmail has now been disabled on this system.
```

3. Start Messaging Server.

```
cd /opt/sun/comms/messaging64/bin
./stop-msg
./start-msg
```

4. Continue with the next section.

## Configuring Calendar Server 7

Configuring Calendar Server 7 requires:

- Installing a second instance of GlassFish Server 3 (see [To Install a Second Instance of GlassFish Server 3](#)).
- Installing MySQL (see [To Install MySQL Database](#)).
- Configuring Calendar Server (see [To Configure Calendar Server](#)).

### To Install a Second Instance of GlassFish Server 3

1. Create a second domain on the GlassFish Server that runs on port 8080.

```
cd /opt/glassfish3/bin
./asadmin create-domain --adminport 8800 --instanceport 8080
--savemasterpassword=true domain2
Enter admin user name [Enter to accept default "admin" / no password]>
admin
Enter the admin password [Enter to accept default of no password]>
adminpass
Enter the admin password again> adminpass
Enter the master password [Enter to accept default password
"changeit"]> adminpass
Enter the master password again> adminpass
```

2. Edit the `/opt/glassfish3/glassfish/domains/domain2/config/domain.xml` file to change the Java Message Queue (JMQ) port from 7676 to 47676.  
Look for a line similar to the following:

```
jms-host name="default_JMS_host" host="demo.comms.beta.com"
port="7676"
```

Change the port to 47676, save and exit the file.

3. Start the GlassFish Server for domain2.

```
cd /opt/glassfish3/bin/
./asadmin start-domain domain2
Waiting for domain2 to start
Successfully started the domain : domain2
domain Location: /opt/glassfish3/glassfish/domains/domain2
Log File: /opt/glassfish3/glassfish/domains/domain2/logs/server.log
Admin Port: 8800
Command start-domain executed successfully.
```

#### 4. Enable secure GlassFish Server administration.

```
./asadmin enable-secure-admin --port 8800
Enter admin user name> admin
Enter admin password for user "admin">
You must restart all running servers for the change in secure admin to
take effect.
Command enable-secure-admin executed successfully.
./asadmin stop-domain domain2
Waiting for the domain to stop
Command stop-domain executed successfully.
./asadmin start-domain domain2
Waiting for domain2 to start ...
Successfully started the domain : domain2
domain Location: /opt/glassfish3/glassfish/domains/domain2
Log File: /opt/glassfish3/glassfish/domains/domain2/logs/server.log
Admin Port: 8800
Command start-domain executed successfully.
```

### To Install MySQL Database

You should have already downloaded the MySQL Database PKG version for Linux (64-bit) and unzipped the image to use it with the following steps.

This example uses MySQL Database 5.5.39 RPM for Oracle Linux / RHEL 6 x86 (64bit). For download instructions, see [Get the Software to Install Communications Suite 7.0.6](#).

#### 1. Unpack the newly downloaded MySQL.

```
mkdir /temp/MySQL
cp p19331784_55_Linux-x86-64.zip /temp/MySQL
cd /temp/MySQL
unzip p19331784_55_Linux-x86-64.zip
```

#### 2. To avoid any possible confusion with the new MySQL package, remove all pre-existing MySQL packages:

##### a. List any pre-installed MySQL packages with the rpm command:

```
rpm -qa | grep -i mysql
```

This results in a list similar to:

```
mysql-libs-5.1.73-3.el6_3.x86_64
mysql-5.1.73-3.el6_3.x86_64
mysql-server-5.1.73-3.el6_3.x86_64
```

or even possibly less.

- b. Use the yum command to uninstall the listed mysql-libs and mysql-server packages :

```
yum erase mysql-libs
```

Note that removing mysql-libs may suggest, due to dependencies on other packages, to remove packages such as cron\*, postfix and redhat-lsb-\*. This is something you probably do NOT want to do!

- c. To avoid the above, remove the dependencies caused by mysql-libs by installing the MySQL-shared-compat-advanced package that belongs to the new MySQL version:

```
rpm -ivh MySQL-shared-compat-advanced-5.5.39-2.el6.x86_64.rpm
Preparing... ##### [100%]
1:MySQL-shared-compat-adv ##### [100%]
```

- d. Once again, use the yum command to remove mysql-libs. This time the command should not suggest to remove additional packages.

```
yum erase mysql-libs
```

3. Install required packages belonging to the new MySQL version.

```
rpm -ivh MySQL-server-advanced-5.5.39-2.el6.x86_64.rpm
MySQL-client-advanced-5.5.39-2.el6.x86_64.rpm
Preparing... ##### [100%]
1:MySQL-client-advanced ##### [50%]
2:MySQL-server-advanced ##### [100%]

PLEASE REMEMBER TO SET A PASSWORD FOR THE MySQL root USER !
...
```

Do not worry about the shown suggestions. This will be taken care off later on.

4. Create the /etc/my.cnf file with the following content.

```
[mysqld]
basedir = /usr
datadir = /var/lib/mysql
default-storage-engine = InnoDB
character-set-server = utf8mb4
transaction-isolation = READ-COMMITTED
```

5. Set ownership of the `/etc/my.cnf` file.

```
chown mysql:mysql /etc/my.cnf
```

6. Start MySQL.

```
/etc/init.d/mysql start
```

7. Change the MySQL root password and remove test databases.

```
/usr/bin/mysqladmin -u root password adminpass
/usr/bin/mysql_secure_installation
```

Answer "y" to all questions except "Change the root password."

You do not need to change the root password because you have already done so. The `mysql_secure_installation` script:

- Removes anonymous users
- Disallows root login remotely
- Removes test database and access to it
- Reloads privilege tables

8. Create the MySQL user, the `caldav` and the `Contacts Server` databases :

```
/usr/bin/mysql -u root -p
Enter password: adminpass
mysql> CREATE DATABASE caldav CHARACTER SET = UTF8MB4;
mysql> CREATE DATABASE ischedule CHARACTER SET = UTF8MB4;
mysql> CREATE USER 'caldav'@'demo.comms.beta.com' IDENTIFIED BY
'adminpass';
mysql> GRANT ALL ON caldav.* TO 'caldav'@'demo.comms.beta.com';
mysql> GRANT ALL ON ischedule.* TO 'caldav'@'demo.comms.beta.com';
mysql> CREATE DATABASE nab CHARACTER SET = utf8mb4;
mysql> CREATE USER 'nabuser'@'demo.comms.beta.com' IDENTIFIED BY
'adminpass';
mysql> GRANT ALL ON nab.* TO 'nabuser'@'demo.comms.beta.com';
mysql> exit
```

9. Configure MySQL to start automatically upon reboot.

```
chkconfig --add mysql
```



10. Continue with the next section.

## To Configure Calendar Server

1. Create the `calmaster` account for Calendar Server, with a username of `calmaster` and password of `adminpass`:

```
cd /opt/sun/comms/da/bin/
./comadmin user create -D admin -d comms.beta.com -S mail,cal,im -H
demo.comms.beta.com -B demo.comms.beta.com -F Calendar -L Master -l
calmaster -W adminpass -E calmaster@comms.beta.com
```

Type the password `adminpass` when prompted for the administrative password.

2. Set the `JAVA_HOME` environment variable.

```
export JAVA_HOME=/usr/java/jdk1.7.0_67
```

3. If the Oracle Linux package `openldap-clients` is not installed, add it to the system:

```
yum install openldap-clients
```

This package contains required versions of `ldapmodify` and `ldapsearch` that are installed in the `/usr/bin` directory.

4. Change to the directory in which the configuration script was installed and run the Calendar Server 7 configuration script:

```
cd /opt/sun/comms/davserver/sbin/
./init-config
```

5. Click Next at the Welcome page.

The installation script prompts for a series of options. The following table shows how to respond to the configuration options:

**Table 10 Values for Calendar Server configure Script**

| Option                                 | [Default Value]                             | Enter                 |
|----------------------------------------|---------------------------------------------|-----------------------|
| Location to store data (datadir)       | <code>[/var/opt/sun/comms/davserver]</code> | <i>accept default</i> |
| Runtime user (cs.user)                 | <code>[root]</code>                         | <i>accept default</i> |
| Runtime group (cs.group)               | <code>[bin]</code>                          | <i>accept default</i> |
| Fully Qualified Host Name (hostfqdn)   | <code>[demo.comms.beta.com]</code>          | <i>accept default</i> |
| Backend database type (dbtype)         | <code>[mysql]</code>                        | <i>accept default</i> |
| MySQL Server Host Name (mysql.db.host) | <code>[demo.comms.beta.com]</code>          | <i>accept default</i> |

|                                                                    |                                                         |                                                            |
|--------------------------------------------------------------------|---------------------------------------------------------|------------------------------------------------------------|
| MySQL Server Port Number<br>(mysql.db.port)                        | [3306]                                                  | <i>accept default</i>                                      |
| Calendar Database User (mysql.db.user)                             | [caldav]                                                | <i>accept default</i>                                      |
| Calendar Database User Password<br>(mysql.db.pass)                 | NA                                                      | <b>adminpass</b>                                           |
| Calendar Database Name (mysql.db.name)                             | [caldav]                                                | <i>accept default</i>                                      |
| iSchedule Database Name<br>(mysql.ischedule.name)                  | [ischedule]                                             | <i>accept default</i>                                      |
| Back end document store type<br>(calendar.backend.docstore.type)   | [local]                                                 | <i>accept default</i>                                      |
| Calendar backend name<br>(calendar.backend.name)                   | [defaultbackend]                                        | <i>accept default</i>                                      |
| Calendar backend Store Path<br>(calendar.backend.docdir)           | [/var/opt/sun/comms/<br>davserver/db]                   | <i>accept default</i>                                      |
| Back end ischedule store type<br>(ischedule.backend.docstore.type) | [local]                                                 | <i>accept default</i>                                      |
| iSchedule backend name<br>(ischedule.backend.name)                 | [ischedulebackend]                                      | <i>accept default</i>                                      |
| iSchedule backend Store Path<br>(ischedule.backend.docdir)         | [/var/opt/sun/comms/<br>davserver/<br>ischedulebackend] | <i>accept default</i>                                      |
| GlassFish Server Install Directory<br>(appsrv.dir.install)         | [/opt/glassfish3/glassfish]                             | <i>accept default</i>                                      |
| GlassFish Server Domain Directory<br>(appsrv.dir.domain)           | [/opt/glassfish3/glassfish<br>/domains/domain1]         | <b>/opt/glassfish3/<br/>glassfish/domains/<br/>domain2</b> |
| GlassFish Server Document Root Directory<br>(appsrv.dir.docroot)   | [/opt/glassfish3/glassfish/<br>domains/domain2/docroot] | <i>accept default</i>                                      |
| GlassFish Server Instance Name<br>(appsrv.target)                  | [server]                                                | <i>accept default</i>                                      |
| Virtual Server Identifier (appsrv.vsid)                            | [server]                                                | <i>accept default</i>                                      |
| Calendar server access host<br>(appsrv.http.host)                  | [demo.comms.beta.com]                                   | <i>accept default</i>                                      |
| Instance HTTP Port (appsrv.http.port)                              | [8080]                                                  | <i>accept default</i>                                      |
| Application server admin server host<br>(appsrv.admin.host)        | [demo.comms.beta.com]                                   | <i>accept default</i>                                      |
| Administration Server Port<br>(appsrv.admin.port)                  | [4848]                                                  | <b>8800</b>                                                |
| Secure Administration Server Instance<br>(appsrv.admin.secure)     | [true]                                                  | <i>accept default (Is<br/>Secure)</i>                      |
| Administrator User ID (appsrv.admin.user)                          | [admin]                                                 | <i>accept default</i>                                      |
| Administrator Password<br>(appsrv.admin.pass)                      | NA                                                      | <b>adminpass</b>                                           |

|                                                        |                                   |                                       |
|--------------------------------------------------------|-----------------------------------|---------------------------------------|
| URI Path (appsrv.deploy.uri)                           | [/]                               | <b>/davserver</b> <sup>1</sup>        |
| User/Group LDAP URL (ldap.url)                         | [ldaps://demo.comms.beta.com:636] | <b>ldap://demo.comms.beta.com:389</b> |
| User/Group directory manager DN (ldap.bind.user)       | [cn=Directory Manager]            | <i>accept default</i>                 |
| Directory Manager Password (ldap.bind.pass)            | NA                                | <b>adminpass</b>                      |
| LDAP Unique ID Attribute (ldap.uniqueid)               | [davuniqueid]                     | <i>accept default</i>                 |
| User/Group Default Domain (ldap.defaultdomain)         | [comms.beta.com]                  | <i>accept default</i>                 |
| Default Organization DN (ldap.defaultorgdn)            | [o=comms.beta.com,o=isp]          | <i>accept default</i>                 |
| Calendar Administrator User (ldap.admin.user)          | [calmaster]                       | <i>accept default</i>                 |
| Calendar Administrator User Password (ldap.admin.pass) | NA                                | <b>adminpass</b>                      |
| Notification Mail Server Host Name (notif.smtp.host)   | [demo.comms.beta.com]             | <i>accept default</i>                 |
| Notification Mail Server Port Number (notif.smtp.port) | [25]                              | <i>accept default</i>                 |

1. For production deployments, deploy Calendar Server to the root context (/) to simplify configuring mobile clients. When you do not use (/), it is more difficult to configure clients to connect to Calendar Server. In this example, you deploy Calendar Server in its own context, /davserver, and not the root context (/), to also be able to host other component products in the same GlassFish Server instance.

6. Answer "y" when prompted to configure Calendar Server 7.
7. Restart GlassFish Server for domain2.

```
cd /opt/glassfish3/bin
./asadmin restart-domain domain2
```

8. Configure a Lightning client to use the new server.  
The Calendar Server URL format for your test user is:

```
http://<fully-qualified-server-name>:8080/davserver/dav/home/<username>
```

For example:

```
http://demo.comms.beta.com:8080/davserver/dav/home/jdoe/calendar/
```

Alternatively, you can configure Apple iCal to access this calendar. The server URI is as follows:

```
http://<fully-qualified-server-name>:8080/davserver/dav/principals/<username>
```

For example:

```
http://demo.comms.beta.com:8080/davserver/dav/principals/jdoe/
```

9. To enable subscription to other user's calendars in your own domain, create an ACI file with the following contents, making sure that the entry for Access Control Instructions (ACI) is on a single line:

```
dn: o=isp
changetype: modify
add: aci
aci: (target="ldap:///($dn),o=isp")
(targetattr!="userPassword")
(targetfilter=|(objectClass=icscalendaruser)(objectClass=icscalendarresource)
3.0; acl "CS User search access to all users and resources in own
domain - product=davserver,class=install,num=3,version=1";
allow (read,search)
userdn="ldap:///[$dn],o=isp??sub?(objectclass=icscalendaruser);)
```

10. Run the `ldapmodify` command on this ACI file (named `acifile` in this example).

```
/opt/sun/directory/dsrk/bin/ldapmodify -D "cn=Directory Manager" -w
adminpass -f acifile
```

11. Continue with the next section.

## Configuring Contacts Server

### To Install MySQL Database

This has already been taken care of in the 'To Install MySQL Database' section of the Calendar Server configuration.

### To Install a Third Instance of GlassFish Server 3

1. Create a third domain on the GlassFish Server that runs on port 9080:

```
cd /opt/glassfish3/bin
./asadmin create-domain --adminport 9888 --instanceport 9080
--savemasterpassword=true domain3
Enter admin user name [Enter to accept default "admin" / no password]>
admin
Enter the admin password [Enter to accept default of no password]>
adminpass
Enter the admin password again> adminpass
Enter the master password [Enter to accept default password
"changeit"]> adminpass
Enter the master password again> adminpass
```

2. Change the JMQ port from 7676 to 97676 and change the SSL port to 9191
  - Edit the `/opt/glassfish3/glassfish/domains/domain3/config/domain.xml`

file.

Look for a line similar to the following and change the port to 97676:

```
jms-host name="default_JMS_host" host="localhost" port="7676"
```

- Change the SSL port : in the same file, look for a line similar to :

```
network-listener port="37988" protocol="http-listener-2"
```

and change the port to 9191.

- Save and exit the file.

### 3. Start the GlassFish Server for domain3

```
/opt/glassfish3/bin/asadmin start-domain domain3
Waiting for domain3 to start
Successfully started the domain : domain3
domain Location: /opt/glassfish3/glassfish/domains/domain3
Log File: /opt/glassfish3/glassfish/domains/domain3/logs/server.log
Admin Port: 9888
Command start-domain executed successfully.
```

### 4. Enable secure glassfish administration.

```
cd /opt/glassfish3/bin
./asadmin enable-secure-admin --port 9888
Enter admin user name> admin
Enter admin password for user "admin"> adminpass
You must restart all running servers for the change in secure admin to
take effect.
Command enable-secure-admin executed successfully.
./asadmin stop-domain domain3
Waiting for the domain to stop ..
Command stop-domain executed successfully.
./asadmin start-domain domain3
Waiting for domain3 to start
Successfully started the domain : domain3
domain Location: /opt/glassfish3/glassfish/domains/domain3
Log File: /opt/glassfish3/glassfish/domains/domain3/logs/server.log
Admin Port: 9888
Command start-domain executed successfully.
```

## To Configure Contacts Server

### 1. Set the JAVA\_HOME environment variable

```
export JAVA_HOME=/usr/java/jdk1.7.0_67
```

### 2. Change to the directory in which the configuration script was installed and run the Contacts Server 8 configuration script:

```
cd /opt/sun/comms/nabserver/sbin
./init-config
```

3. The installation script prompts for a series of options. The following table shows how to respond to the configuration options:

| Option                                                           | [Default Value]                             | Enter                                                 |
|------------------------------------------------------------------|---------------------------------------------|-------------------------------------------------------|
| Location to store data (datadir)                                 | [/var/opt/sun/comms/nabserver]              | <i>accept default</i>                                 |
| Runtime user (nab.user)                                          | [root]                                      | <i>accept default</i>                                 |
| Runtime group (nab.group)                                        | [bin]                                       | <i>accept default</i>                                 |
| Fully Qualified Host Name (hostfqdn)                             | [demo.comms.beta.com]                       | <i>accept default</i>                                 |
| Backend database type (dbtype)                                   | [mysql]                                     | <i>accept default</i>                                 |
| MySQL Server Host Name (mysql.db.host)                           | [demo.comms.beta.com]                       | <i>accept default</i>                                 |
| MySQL Server Port Number (mysql.db.port)                         | [3306]                                      | <i>accept default</i>                                 |
| Contacts Server Database User (mysql.db.user)                    | [nab]                                       | <b>nabuser</b>                                        |
| Contacts Server Database User Password (mysql.db.pass)           | --                                          | <b>adminpass</b>                                      |
| Contacts Server Database Name (mysql.db.name)                    | [nab]                                       | <i>accept default</i>                                 |
| Back end document store type (addressbook.backend.docstore.type) | [local]                                     | <i>accept default</i>                                 |
| Backend name (addressbook.backend.name)                          | [defaultbackend]                            | <i>accept default</i>                                 |
| Backend local store path (addressbook.backend.docdir)            | [/var/opt/sun/comms/nabserver/db]           | <i>accept default</i>                                 |
| Application Server Install Directory (appsrv.dir.install)        | [/opt/glassfish3/glassfish]                 | <i>accept default</i>                                 |
| Application Server Domain Directory (appsrv.dir.domain)          | [/opt/glassfish3/glassfish/domains/domain1] | <b>/opt/glassfish3/glassfish/<br/>domains/domain3</b> |

|                                                                 |                                                     |                                                                                 |
|-----------------------------------------------------------------|-----------------------------------------------------|---------------------------------------------------------------------------------|
| Application Server Document Root Directory (appsrv.dir.docroot) | [/opt/glassfish3/glassfish/domains/domain3/docroot] | <i>accept default</i>                                                           |
| Appserver Instance Name (appsrv.target)                         | [server]                                            | <i>accept default</i>                                                           |
| Virtual Server Identifier (appsrv.vsid)                         | [server]                                            | <i>accept default</i>                                                           |
| Application server admin server host (appsrv.admin.host)        | [demo.comms.beta.com]                               | <i>accept default</i>                                                           |
| Application server admin server port (appsrv.admin.port)        | [4848]                                              | <b>9888</b>                                                                     |
| Secure Administration Server Instance (appsrv.admin.secure)     | [true]                                              | <i>accept default</i>                                                           |
| Administrator User ID (appsrv.admin.user)                       | [admin]                                             | <i>accept default</i>                                                           |
| Administrator Password (appsrv.admin.pass)                      | --                                                  | <b>adminpass</b>                                                                |
| Full URL of deployed server (appsrv.http.url)                   | [https://demo.comms.beta.com:443/]                  | <a href="https://demo.comms.beta.com:9191">https://demo.comms.beta.com:9191</a> |
| User/Group LDAP URL (ldap.url)                                  | [ldaps://demo.comms.beta.com:636]                   | <b>ldaps://demo.comms.beta.com:389</b>                                          |
| User/Group directory manager DN (ldap.bind.user)                | [cn=Directory Manager]                              | <i>accept default</i>                                                           |
| Directory Manager Password (ldap.bind.pass)                     | --                                                  | <b>adminpass</b>                                                                |
| LDAP unique ID attribute (ldap.uniqueid)                        | [davuniqueid]                                       | <i>accept default</i>                                                           |
| User/Group Default Domain (ldap.defaultdomain)                  | [comms.beta.com]                                    | <i>accept default</i>                                                           |
| Default Organization DN (ldap.defaultorgdn)                     | [o=comms.beta.com,o=isp]                            | <i>accept default</i>                                                           |
| Contacts Server admin user (ldap.admin.user)                    | [nabmaster]                                         | <i>accept default</i>                                                           |
| Contacts Administrator User Password (ldap.admin.pass)          | --                                                  | <b>adminpass</b>                                                                |
| Notification Mail Server Host Name (notif.smtp.host)            | [demo.comms.beta.com]                               | <i>accept default</i>                                                           |
| Notification Mail Server Port Number (notif.smtp.port)          | [25]                                                | <i>accept default</i>                                                           |

4. Answer "y" when prompted to configure Contacts Server
5. After the configuration is complete, restart the domain

```
cd /opt/glassfish3/bin
./asadmin stop-domain domain3
./asadmin start-domain domain3
```

6. Browse a user's addressbook to verify that the addressbook server is up and running. Enter the URL of the browse service in your browser and log in as your test user jdoe with password demo.

```
https://<fully-qualified-server-name>:port/browse/home/userid/addressbook/
```

For example:

```
https://demo.comms.beta.com:9191/browse/home/jdoe/addressbook/
```

You must include the trailing slash '/'

## Configuring Instant Messaging Server

To configure Instant Messaging Server, you need to run the Instant Messaging configurator script:

1. Change to the directory where the configuration script was installed then run the configurator script, for example:

```
cd /opt/sun/comms/im/sbin
./configure --nodisplay
```

The Components Selection page appears.

2. Select both Server and Client components for configuration.  
The configuration wizard displays a series of options.
3. Respond to the options as listed in the following table.

**Table 11 Values for Instant Messaging configure Script**



| Option                                        | [Default Value]           | Enter:                       |
|-----------------------------------------------|---------------------------|------------------------------|
| Runtime User ID                               | [inetuser]                | <i>accept default</i>        |
| Runtime Group ID                              | [inetgroup]               | <i>accept default</i>        |
| Runtime Directory                             | [/var/opt/sun/im]         | <b>/var/opt/sun/comms/im</b> |
| Create User ID?                               | [2. Choose New]           | <b>Create User ID</b>        |
| Create Directory?                             | [2. Choose New]           | <b>Create Directory</b>      |
| Domain Name                                   | [comms.beta.com]          | <i>accept default</i>        |
| XMPP Port                                     | [5222]                    | <i>accept default</i>        |
| Multiplexed XMPP Port                         | [45222]                   | <i>accept default</i>        |
| Gateway Connector Port                        | [55222]                   | <i>accept default</i>        |
| XMPP Server Port                              | [5269]                    | <i>accept default</i>        |
| Disable Server (enable only multiplexor)      | [no]                      | <i>accept default</i>        |
| Enable SSL                                    | [yes]                     | <b>no</b>                    |
| LDAP Host Name                                | [demo.comms.beta.com]     | <i>accept default</i>        |
| LDAP Port Number                              | [389]                     | <i>accept default</i>        |
| SSL Enabled                                   | [no]                      | <i>accept default</i>        |
| Base DN                                       | [dc=comms,dc=beta,dc=com] | <b>o=isp</b>                 |
| Bind DN                                       | NA                        | <b>cn=Directory Manager</b>  |
| Bind Password                                 | NA                        | <b>adminpass</b>             |
| Enable Email Integration                      | [yes]                     | <i>accept default</i>        |
| SMTP Server                                   | [demo.comms.beta.com]     | <i>accept default</i>        |
| Enable Email Archiving                        | [yes]                     | <i>accept default</i>        |
| Deploy IM HTTP Gateway                        | [yes]                     | <b>no</b>                    |
| Enable Calendar Agent                         | [no]                      | <b>yes</b>                   |
| Enable local component                        | [no]                      | <b>yes</b>                   |
| XMPP server Hostname                          | [demo.comms.beta.com]     | <i>accept default</i>        |
| XMPP server port                              | [5269]                    | <i>accept default</i>        |
| JMQ Username                                  | []                        | <b>guest</b>                 |
| JMQ Password                                  | NA                        | <b>guest</b>                 |
| Notification Server Hostname                  | [localhost]               | <b>demo.comms.beta.com</b>   |
| Notification Server Port                      | [7676]                    | <b>47676</b>                 |
| Topic                                         | [DavNotificationTopic]    | <i>accept default</i>        |
| Enable SMS Gateway                            | [no]                      | <i>accept default</i>        |
| Enable local component                        | [no]                      | <i>accept default</i>        |
| Enable Facebook Gateway                       | [no]                      | <i>accept default</i>        |
| Start Services After Successful Configuration | [yes]                     | <b>no</b>                    |
| Start Services When System starts             | [yes]                     | <b>no</b>                    |

This completes the configuration.

4. Save a copy of the configuration:

```
cd /opt/sun/comms/im/config
cp iim.conf.xml iim.conf.xml.orig
```

5. Add the new httpbind and avatar component JIDs to the configuration by executing the following commands:

```
cd /opt/sun/comms/im/sbin
./imconfutil set-prop -c /opt/sun/comms/im/config/iim.conf.xml
iim_agent.enable=true
./imconfutil add-component -c
/opt/sun/comms/im/config/iim.conf.xml id=httpbind
jid=demo.httpbind.comms.beta.com password=adminpass
./imconfutil add-component -c
/opt/sun/comms/im/config/iim.conf.xml id=avatar
jid=demo.avatar.comms.beta.com password=adminpass
```



#### Note

The `httpbind.jid` and `avatar.jid` strings have the format *host.httpbind.domain* and *host.avatar.domain*, because this is the format that is auto-generated when Convergence is configured (see [Configuring Convergence](#)).

6. Enable Hosted Domain Schema 2 support and set the listener properties by making the following change:

```
./imconfutil set-prop -c /opt/sun/comms/im/config/iim.conf.xml
iim_server.usesso="0" iim.policy.modules=iim_ldap_schema2
iim.userprops.store="ldap"
iim_ldap.schema2.domain_config_root="o=isp"
./imconfutil -u set-listener-prop -c
/opt/sun/comms/im/config/iim.conf.xml s2s
protocols=s2s,component,c2s
```

7. Start the Instant Messaging Server.

```
./imadmin start
```

8. Continue with the next section.

## Configuring Indexing and Search Service

1. Configure the IMQ broker by editing the `imqbrokerd.conf` file.

```
vi /etc/opt/sun/mq/imqbrokerd.conf
```

2. Type in the following configuration. (It is possible that the file already contains some of this information.)

```
AUTOSTART=YES
ARGS=-vmargs -Xmx1024m
RESTART=YES
```

3. Check for the existence of the `/var/opt/sun/mq/instances/imqbroker/props/config.properties` file. If it does not exist, start the IMQ broker to generate it.

```
cd /var/opt/sun/mq/instances/imqbroker/props
/var/opt/sun/mq/instances/imqbroker/props: No such file or directory
nohup /etc/init.d/imq start
```

4. Edit the following information at the bottom of the `/var/opt/sun/mq/instances/imqbroker/props/config.properties` file.

```
cd /var/opt/sun/mq/instances/imqbroker/props
vi config.properties
```

5. At the bottom of this file, make sure the following lines are included:

```
imq.portmapper.backlog=-1
imq.destination.DMQ.truncateBody=true
imq.autocreate.reaptime=7200
imq.autocreate.destination.maxNumProducers=-1
imq.autocreate.destination.limitBehavior=REMOVE_OLDEST
imq.jms.max_threads=2000
```

For an explanation of these changes, see [Message Queue Broker config.properties Changes for Indexing and Search Service 1.0.5.22.0](#).

6. After making these changes, save and exit the file.
7. Restart the IMQ broker to pick up the changes.

```
/etc/init.d/imq stop
nohup /etc/init.d/imq start
```

8. Create the JMQ user by using the `imqusermgr` command.

```
cd /opt/sun/mq/bin
./imqusermgr add -u jmquser -p adminpass -g user
User repository for broker instance: imqbroker
User jmquser successfully added.
```

9. Reset the default account passwords.

```
cd /opt/sun/mq/bin
./imqusermgr update -u admin -p adminpass
User repository for broker instance: imqbroker
Are you sure you want to update user admin? (y/n)[n] y
User admin successfully updated.

./imqusermgr update -u guest -p adminpass
User repository for broker instance: imqbroker
Are you sure you want to update user guest? (y/n)[n] y
User guest successfully updated.
```

10. Set the `local.store.notifyplugin.configutil` parameter to include a JMQ notification named `index`.

```
cd /opt/sun/comms/messaging64/bin
./configutil -o local.store.notifyplugin
```

If a response is returned, such as `lib/libibiff$ms-internal$`, simply append the new JMQ notification to existing one, for example:

```
./configutil -o local.store.notifyplugin -v
'lib/libjmqnotify$index$lib/libibiff$ms-internal$'
```

If no response is returned, execute the following command:

```
./configutil -o local.store.notifyplugin -v 'lib/libjmqnotify$index'
```

11. Configure the `index` JMQ notification plugin by using the `configutil` command.

```
./configutil -o local.store.notifyplugin.index.annotatmsg.enable -v 0
./configutil -o local.store.notifyplugin.index.changeflag.enable -v 1
./configutil -o local.store.notifyplugin.index.copymsg.enable -v 1
./configutil -o local.store.notifyplugin.index.debuglevel -v 0
./configutil -o local.store.notifyplugin.index.deletemsg.enable -v 0
./configutil -o local.store.notifyplugin.index.destinationtype -v queue
./configutil -o local.store.notifyplugin.index.expungemsg.enable -v 1
./configutil -o local.store.notifyplugin.index.jmqhost -v 127.0.0.1
./configutil -o local.store.notifyplugin.index.jmqport -v 7676
./configutil -o local.store.notifyplugin.index.jmqpwd -v adminpass
./configutil -o local.store.notifyplugin.index.jmqtopic -v INDEXMS
./configutil -o local.store.notifyplugin.index.jmquser -v jmquser
./configutil -o local.store.notifyplugin.index.loguser.enable -v 0
./configutil -o local.store.notifyplugin.index.maxbodysize -v 262144
./configutil -o local.store.notifyplugin.index.maxheadersize -v 16384
./configutil -o local.store.notifyplugin.index.msgflags.enable -v 0
./configutil -o local.store.notifyplugin.index.msgtypes.enable -v 0
./configutil -o local.store.notifyplugin.index.newmsg.enable -v 1
./configutil -o local.store.notifyplugin.index.noneinbox.enable -v 1
./configutil -o local.store.notifyplugin.index.overquota.enable -v 0
./configutil -o local.store.notifyplugin.index.persistent -v 0
./configutil -o local.store.notifyplugin.index.priority -v 4
./configutil -o local.store.notifyplugin.index.purgemsg.enable -v 0
./configutil -o local.store.notifyplugin.index.readmsg.enable -v 0
./configutil -o local.store.notifyplugin.index.underquota.enable -v 0
./configutil -o local.store.notifyplugin.index.updatemsg.enable -v 1
./configutil -o local.store.notifyplugin.index.ttl -v 3600000
```

12. Restart Messaging Server and verify that the JMQ index plugin is working.

```
./stop-msg
./start-msg

cat /opt/sun/comms/messaging64/log/imap
```

You should see entries similar to these:

```
[21/Aug/2014:15:53:37 +0200] demo imapd[2050]: General Notice: JMQ
notifications enabled: index
[21/Aug/2014:15:53:37 +0200] demo imapd[2050]: General Notice: jmqNotify
JMQ initialization MQCreateConnection [dest : index][host : 127.0.0.1]
[21/Aug/2014:15:53:38 +0200] demo imapd[2050]: General Notice: jmqNotify
JMQ initialization MQCreateSession [dest : index][host : 127.0.0.1]
[21/Aug/2014:15:53:38 +0200] demo imapd[2050]: General Notice: jmqNotify
JMQ initialization MQCreateDestination [dest : index][host : 127.0.0.1]
[topic : INDEXMS]
[21/Aug/2014:15:53:38 +0200] demo imapd[2050]: General Notice: jmqNotify
JMQ initialization MQCreateMessageProducerForDestination [dest : index]
[host : 127.0.0.1]
[21/Aug/2014:15:53:38 +0200] demo imapd[2050]: General Notice: jmqNotify
JMQ initialization MQCreateTextMessage [dest : index] [host : 127.0.0.1]
...
[21/Aug/2014:15:53:38 +0200] demo imapd[2050]: General Warning: Oracle
Communications Messaging Server IMAP4 7.0.5.31.0 64bit (built May 5
2014) starting up
```

13. Verify that the IMQ broker started up cleanly.

```
cat /var/opt/sun/mq/instances/imqbroker/log/log.txt
```

You should see entries similar to these:

```
[21/Aug/2014:15:53:38 CEST] [B1065]: Accepting:
jmquuser@127.0.0.1:57018->jms:42913. Count: service=1 broker=1
[21/Aug/2014:15:53:38 CEST] [B1065]: Accepting:
jmquuser@127.0.0.1:57020->jms:42913. Count: service=2 broker=2
[21/Aug/2014:15:53:39 CEST] [B1065]: Accepting:
jmquuser@127.0.0.1:57022->jms:42913. Count: service=3 broker=3
```

14. Verify that the Messaging Server has producers connected to INDEXMS.

```
/opt/sun/mq/bin/imqcmd list dst
Username: admin
Password: adminpass

Listing all the destinations on the broker specified by:

Host Primary Port

localhost 7676

Type State Producers Consumers Msgs
Total Wildcard Total Wildcard Count Remote UnAck Avg Size

Queue RUNNING 9 - 0 - 0 0 0 0.0
mq.sys.dmq Queue RUNNING 0 - 0 - 0 0 0 0.0

Successfully listed destinations
```

15. Prepare the Messaging Server to forward IMAP SEARCH queries to Indexing and Search Service.

```
cd /opt/sun/comms/messaging64/bin
./configutil -o service.imap.indexer.hostname -v demo.comms.beta.com
./configutil -o service.imap.indexer.port -v 80
./configutil -o service.imap.indexer.enable -v 0
./configutil -o store.indexeradmins -v indexeradmin
```

16. Restart Messaging Server.

```
./stop-msg
./start-msg
```

17. Change directories to where the configuration script was installed and run the configuration script:

```
cd /opt/sun/comms/jiss/bin
./setup
```

The installation script prompts for a series of options. The following table shows how to respond to the configuration options:

**Table 12 Values for Indexing and Search configure Script**

| Option                                           | [Default Value] | Enter                      |
|--------------------------------------------------|-----------------|----------------------------|
| Cluster configuration (iss.cluster.install)      | [standalone]    | <i>accept default</i>      |
| Fully qualified domain name of system (hostname) | NA              | <b>demo.comms.beta.com</b> |

|                                                                                 |                                  |                                                                      |
|---------------------------------------------------------------------------------|----------------------------------|----------------------------------------------------------------------|
| Instance name of the installation for an indexing node, ie iss1 (instance.name) | NA                               | <b>iss1</b>                                                          |
| User under which all JISS services run (iss.user)                               | [jiss]                           | <i>accept default</i>                                                |
| Group under which all JISS services run (iss.group)                             | [jiss]                           | <i>accept default</i>                                                |
| Location to store the Lucene indexes (iss.store.dir)                            | [/var/opt/sun/comms/jiss/index]  | <i>accept default</i>                                                |
| Location of attachment data (iss.data.dir)                                      | [/var/opt/sun/comms/jiss/attach] | <i>accept default</i>                                                |
| Location of JISS log files (iss.log.dir)                                        | [/var/opt/sun/comms/jiss/logs]   | <i>accept default</i>                                                |
| Location of Java (java.home)                                                    | [/usr/jdk/latest]                | <b>/usr/java/jdk1.7.0_67</b>                                         |
| User/Group Directory Server format (mail.ldap)                                  | NA                               | <b>demo.comms.beta.com:389</b>                                       |
| User/Group Default Domain (mail.defaultdomain)                                  | NA                               | <b>comms.beta.com</b>                                                |
| User/Group Directory Manager DN (mail.searchbind)                               | [cn=Directory Manager]           | <i>accept default</i>                                                |
| User/Group Directory Manager password (mail.searchbind.password)                | NA                               | <b>adminpass</b>                                                     |
| Messaging Server store hostname (mail.server)                                   | NA                               | <b>demo.comms.beta.com</b>                                           |
| Comma-delimited list of mail server IPs (mail.server.ip)                        | NA                               | <b>Enter IP address of demo.comms.beta.com such as 192.168.49.94</b> |
| Read-only store admin username (mail.imap.admin.username)                       | [indexeradmin]                   | <i>accept default</i>                                                |
| Read-only store admin password (mail.imap.admin.password)                       | NA                               | <b>adminpass</b>                                                     |
| Messaging Server IMAP port (mail.imap.port)                                     | [143]                            | <i>accept default</i>                                                |
| Messaging Server JMQ broker (mail.imq)                                          | NA                               | <b>demo.comms.beta.com:7676</b>                                      |
| JMQ notification user (mail.imq.user)                                           | [jmquser]                        | <i>accept default</i>                                                |
| JMQ notification user's password (mail.imq.password)                            | NA                               | <b>adminpass</b>                                                     |
| Directory location of the appserver (appserv.dir)                               | [/opt/SUNWappserver]             | <b>/opt/glassfish3/glassfish</b>                                     |
| Appserver web port (appserv.web.port)                                           | [8080]                           | <b>80</b>                                                            |
| Appserver admin port (appserv.admin.port)                                       | [4848]                           | <i>accept default</i>                                                |

|                                                                                                                  |                        |                                 |
|------------------------------------------------------------------------------------------------------------------|------------------------|---------------------------------|
| Appserver domain name for deployment (appserv.domain)                                                            | [domain1]              | <i>accept default</i>           |
| Appserver admin user (appserv.admin.user)                                                                        | [admin]                | <i>accept default</i>           |
| Appserver admin user's password (appserv.admin.password)                                                         | NA                     | <b>adminpass</b>                |
| Deploy the SearchUI web application used for testing and debugging (appserv.searchui.enabled)                    | [false]                | <b>true</b>                     |
| JISS JMQ broker hostname(s)list, ie host:7676,host2:7677 (imq.host)                                              | NA                     | <b>demo.comms.beta.com:7676</b> |
| Username for JISS JMQ broker (iss.imq.user)                                                                      | [imquser]              | <i>accept default</i>           |
| Password for JISS JMQ user (iss.imq.password)                                                                    | NA                     | <b>adminpass</b>                |
| Password for admin user on JISS JMQ broker (iss.imq.admin.password)                                              | NA                     | <b>adminpass</b>                |
| File based or Directory Server based JNDI lookups, file or ldap (jndi.type)<br><i>This option may not appear</i> | NA                     | <b>ldap</b>                     |
| JISS Directory Server host list host:port,host2:port2 (ldap.host)<br><i>This option may not appear</i>           | NA                     | <b>demo.comms.beta.com:389</b>  |
| JISS Directory Manager DN format (java.naming.security.principal)                                                | [cn=Directory Manager] | <i>accept default</i>           |
| JISS Directory Server password (ldap.password)                                                                   | NA                     | <b>adminpass</b>                |
| Storeui access method (iss.storeui.access.method)                                                                | [disk]                 | <i>accept default</i>           |
| Watcher service enabled on this host (iss.watcher.enabled)                                                       | [false]                | <i>accept default</i>           |
| Isshttpd service enabled on this host (iss.isshttpd.enabled)                                                     | [false]                | <i>accept default</i>           |

18. Restart GlassFish Server for domain1.

```
cd /opt/glassfish3/bin
./asadmin restart-domain domain1
```

19. Bootstrap existing users to create their index by using the following command:

```
cd /opt/sun/comms/jiss/bin
./issadmin.sh --bootstrap --user <username> --host
demo.comms.beta.com --runoptimizer true
```

In this example, type the following command:



```
cd /opt/sun/comms/jiss/bin
./issadmin.sh --bootstrap --user jdoe --host demo.comms.beta.com
--runoptimizer true
```

20. Test that search works.

Type the URL of the Search UIs in your browser and log in as a user.

- The URL for the Restful service is:

```
http://<fully-qualified-server-name>/rest
```

For this example, type:

```
http://demo.comms.beta.com/rest
```

- The URL for the Searchui is:

```
http://<fully-qualified-server-name>/searchui
```

For this example, type:

```
http://demo.comms.beta.com/searchui
```

- In each case, log in as user jdoe. The password is demo.

21. Configure Messaging Server to send searches to Indexing and Search Service:

```
cd /opt/sun/comms/messaging64/bin
./configutil -o service.imap.indexer.enable -v 1
./stop-msg
./start-msg
```

22. Increase processor threads to support Convergence and ISS in the same web container:

```
grep processor /proc/cpuinfo | wc -l
cd /opt/glassfish3/bin
./asadmin set
server-config.network-config.transports.transport.tcp.acceptor-threads=(2
x number of CPUs from prior command)
```

23. Configure ISS to autoprovision, autobootstrap, and autosync users.

- a. Make a backup copy of the jiss.conf file then edit it.

```
cd /opt/sun/comms/jiss/etc
cp jiss.conf jiss.conf.orig
vi jiss.conf
```

- b. Set the following parameters.

```
iss.autoprovision.enabled = true
iss.indexsvc.periodic.autosync.enabled = true
iss.indexsvc.periodic.autobootstrap.enabled = true
iss.indexsvc.periodic.autosync.count = 2
```



#### Note

Set the `iss.indexsvc.periodic.autosync.count` parameter to the number of user accounts that should be synced every five minutes. If you want to ensure an autosync every 12 hours for each user in a 288 user deployment, you can set this value as shown.

#### 24. Refresh ISS:

```
/opt/sun/comms/jiss/bin/issadmin.sh --refresh
```

#### 25. Restart GlassFish Server.

```
/opt/glassfish3/bin/asadmin restart-domain domain1
```

#### 26. Continue with the next section.

## Configuring Convergence

You have already installed and configured all the back-end servers and you are now ready to deploy the Convergence client. This section describes how to configure Convergence by using the `init-config` command.

1. Set the `JAVA_HOME` environment variable.  
For example, to set it for bash:

```
export JAVA_HOME=/usr/java/jdk1.7.0_67
```

2. Run the Convergence configuration script.

```
cd /opt/sun/comms/iwc/sbin
./init-config -nodisplay
```

3. Select Next/Enter at the Welcome page.
4. Accept the default value for the Directory to store Configuration and Data Files:  
`/var/opt/sun/comms/iwc`  
If the directory does not exist, select Create Directory to create the directory.
5. Configure the Mail, Calendar, Instant Messaging Services and Indexing and Search Service.
6. The configuration wizard prompts for a series of options. The following table shows how to respond to the configuration options:

**Table 13 Values for Convergence configure Script**

| Option | [Default Value] | Enter: |
|--------|-----------------|--------|
|--------|-----------------|--------|

|                                       |                                                     |                       |
|---------------------------------------|-----------------------------------------------------|-----------------------|
| Host Name                             | [demo]                                              | <i>accept default</i> |
| DNS Domain Name                       | [comms.beta.com]                                    | <i>accept default</i> |
| GlassFish Server Install Directory    | [/opt/glassfish3]                                   | <i>accept default</i> |
| Domain Directory                      | [/opt/glassfish3/glassfish/domains/domain1]         | <i>accept default</i> |
| Document Root Directory               | [/opt/glassfish3/glassfish/domains/domain1/docroot] | <i>accept default</i> |
| GlassFish Server Instance Name        | [server]                                            | <i>accept default</i> |
| Virtual Server Identifier             | [server]                                            | <i>accept default</i> |
| Server Instance HTTP Port             | [8080]                                              | <b>80</b>             |
| Administration Server Port            | [4848]                                              | <i>accept default</i> |
| Administrator User ID                 | [admin]                                             | <i>accept default</i> |
| Administrator Password                | NA                                                  | <b>adminpass</b>      |
| Secure Administration Server Instance | [yes]                                               | <i>accept default</i> |
| Web Container User ID                 | [root]                                              | <i>accept default</i> |
| Web Container Group ID                | [root]                                              | <i>accept default</i> |
| URI Path                              | [/iwc]                                              | <i>accept default</i> |
| Enable Hosted Domain Support          | [yes]                                               | <i>accept default</i> |
| Directory Server LDAP URL             | [ldap://demo.comms.beta.com:389/]                   | <i>accept default</i> |
| Bind DN                               | [cn=Directory Manager]                              | <i>accept default</i> |
| Bind Password                         | NA                                                  | <b>adminpass</b>      |
| DC Tree suffix                        | [o=isp]                                             | <i>accept default</i> |
| Default Domain Name                   | [comms.beta.com]                                    | <i>accept default</i> |
| Webmail Server Host Name              | [demo.comms.beta.com]                               | <i>accept default</i> |
| Webmail Server Port Number            | [8990]                                              | <i>accept default</i> |

|                                         |                                |                       |
|-----------------------------------------|--------------------------------|-----------------------|
| Access in SSL Mode?                     | [no]                           | <i>accept default</i> |
| Webmail Admin User ID                   | [admin]                        | <i>accept default</i> |
| Admin Password                          | NA                             | <b>adminpass</b>      |
| Calendar Server Version                 | [7]                            | <i>accept default</i> |
| Calendar Server Host Name               | [demo.comms.beta.com]          | <i>accept default</i> |
| Calendar Server Port Number             | [80]                           | <b>8080</b>           |
| Calendar Server Running In Secure Mode? | [no]                           | <i>accept default</i> |
| Calendar Server Service URI             | [/davserver/wcap]              | <i>accept default</i> |
| Administrator User ID                   | [calmaster]                    | <i>accept default</i> |
| Administrator User Password             | NA                             | <b>adminpass</b>      |
| Instant Messaging Server Domain Name    | [comms.beta.com]               | <i>accept default</i> |
| Instant Messaging Server Host Name      | [demo.comms.beta.com]          | <i>accept default</i> |
| Server Port                             | [5269]                         | <i>accept default</i> |
| httpbind Component JID                  | [demo.httpbind.comms.beta.com] | <i>accept default</i> |
| Password                                | NA                             | <b>adminpass</b>      |
| Avatar Component JID                    | [demo.avatar.comms.beta.com]   | <i>accept default</i> |
| Password                                | NA                             | <b>adminpass</b>      |
| ISS Host Name                           | [demo.comms.beta.com]          | <i>accept default</i> |
| ISS Port Number                         | [8080]                         | <b>80</b>             |
| ISS running in secure mode              | [no]                           | <i>accept default</i> |
| ISS Admin User ID                       | [indexeradmin]                 | <i>accept default</i> |
| ISS Admin User Password                 | NA                             | <b>adminpass</b>      |
| Convergence Administrator Username      | [admin]                        | <i>accept default</i> |
| Password                                | NA                             | <b>adminpass</b>      |

7. Select 1, Configure Now, to configure Convergence.

8. Once the configuration is completed, exit the configuration tool.
9. Restart GlassFish Server domain1.

```
/opt/glassfish/bin/asadmin restart-domain domain1
```

10. Verify that you can access the Convergence Client:
  - a. In your web browser, open a URL for Convergence. The URL for Convergence is: `http://fully-qualified-hostname/iwc`. For example:

```
http://demo.comms.beta.com/iwc
```

- b. log in to Convergence as a test user (for example, user ID: jdoe, password demo). Logging in verifies that you can access Delegated Administrator.
11. Log out.

At this point, you have completed installing and configuring the single host deployment example. You should now try out the system by carrying out tasks such as:

- Creating users
- Logging in as various users and using email, calendaring, instant messaging, and address book functions
- Getting familiar with Communications Suite services and architecture

For more information on these topics, see the individual component product documentation.

## Creating Additional User Accounts and Groups

You can create users and groups using either the Delegated Administrator command-line interface ([Using the CLI](#)) or the Delegated Administrator GUI ([Using the GUI](#)).

### Creating Users and Groups Using the CLI

To create users and groups using the CLI:

1. The following example shows how to create two new users (demo1 and demo2) with the password demo using the Delegated Administrator command-line utility and also how to create a mailing and calendar group (Demostaff@comms.beta.com) consisting of the newly created users.

```
cd /opt/sun/comms/da/bin
./commadmin user create -D admin -S mail,cal,im -H demo.comms.beta.com \
-B demo.comms.beta.com -F Demo -L One -l demo1 -d comms.beta.com \
-E Demo.One@comms.beta.com
./commadmin user create -D admin -S mail,cal,im -H
demo.comms.beta.com \
-B demo.comms.beta.com -F Demo -L Two -l demo2 -d comms.beta.com \
-E Demo.Two@comms.beta.com
./commadmin group create -D admin -S mail,cal -H demo.comms.beta.com \
-j demo.comms.beta.com -G Demostaff -d comms.beta.com \
-E Demostaff@comms.beta.com -o jdoe -m demo1 -m demo2
```

2. Bootstrap the users you just created to create their index by using the following commands:

```
cd /opt/sun/comms/jiss/bin
./issadmin.sh --bootstrap --user demo1 --host demo.comms.beta.com
./issadmin.sh --bootstrap --user demo2 --host demo.comms.beta.com
```

## Creating Users and Groups Using the GUI

An alternative to using the Delegated Administrator command-line utility to create users is to use the Delegated Administrator web-based GUI. The high-level steps for creating users with Delegated Administrator are:

1. The first time you use the Delegated Administrator GUI, you must add service packs to the organization that contains your users:
  - In your web browser, open the URL for Delegated Administrator.  
In this example, type:

```
http://demo.comms.beta.com:7080/da
```

- Log in using **admin** as the Login ID and **adminpass** as the Password.
- Click the check box next to `comms.beta.com` organization, then click the **Allocate Service Package** button.
- The **Allocate Service Package** window appears with a list of service packages organized within a set of three pages. Near the top of this list is a **Compare** button.
- To the right of this button is a button that maps the three pages into a single view. Click the **Single Page** button.
- Select the desired service packages then click **Next**. The `mailcalendarimsample` service package is appropriate for this example, since this package enables the mail, calendar and instant messaging services.
- Accept the Mail Service defaults, then click **Next**.



### Note

If the Preferred Mail Host value is not set to the mail server host name `demo.comms.beta.com` in the Mail Service Details screen, close the window, log out of the Delegated Administrator GUI and return to the start of these steps.

- If you chose a service package that contains Calendar, type the Calendar Host **demo.comms.beta.com** and **Yes** for Anonymous Login. Then click **Next**.
  - Select the quantity of each service pack desired then click **Next**. A quantity of 100 is appropriate for this example.
  - Review your choices and click **Finish** to create the service packages.
  - Once the service packs have been allocated for the domain, you can add users to the domain.
2. Click the domain link. That is, click the `comms.beta.com` link
  3. Click the **New** button to create a new user within this domain. The **New User** window should appear.
  4. Type a First Name (such as **Demo**), a Last Name (such as **Five**), a Display Name (such as **Demo Five**), then click **Next**.
  5. You do not need to type postal information. Click **Next** again.
  6. Select a service pack for this user (as added earlier), for example, `mailcalendarimsample`, then click **Next**.
  7. Type the email address, for example, **Demo.Five@comms.beta.com**. The Mail Delivery Option should be Local Inbox. Leave the remaining fields blank then click **Next**.
  8. For the Calendar Service Details page, select your preferred timezone, then click **Next**.

9. For the IM Service Details page, leave the User Roster field blank and click Next.
10. Type the Login ID and Password then click Next. In this example, Login ID is demo5 and password is demo.
11. Verify the user information then click Finish to create the user.

## Enabling Service Start-up Upon Boot

The following guide steps through the process of enabling Communications Suite 7.0.6 services to start automatically on boot and stop automatically on shut-down: [Start and Stop Scripts for Communications Suite \(Linux\)](#)

Keep in mind that multiple GlassFish Server instances and domains were installed:

- GlassFish Server 3 domain, domain1, for Convergence and ISS,
- GlassFish Server 3 domain, domain2, for Calendar Server 7,
- GlassFish Server 3 domain, domain3, for Contacts Server 8, and
- GlassFish Server 2 domain, domain1, for Delegated Administrator.

For example, you can start all GlassFish Server 3 domains in one script and use a separate script to start the GlassFish Server 2 instance.

Also, the Instant Messaging Service uses port 47676, which is defined in the GlassFish Server 3 instance used with Calendar Server. You should start the Instant Messaging service after this GlassFish Server 3 Server instance is started. The start sequence can be altered by editing the chkconfig line inside the Sun\_IMSvr init script.

## Creating Hosted Domains

A hosted domain, or *virtual domain* as it is also called, delivers services for users, groups and resources within a unique namespace. Each hosted domain can have different domain-level preferences, different Convergence customizations, and be administered within Delegated Administrator by different user accounts if required.

In a hosted domain installation, each domain shares the same instance of Messaging Server, Instant Messaging Server, Calendar Server, Convergence, and so on. This approach greatly reduces any overhead associated with using multiple hosted domains on a single server.

### Creating a New Hosted Domain by Using Delegated Administrator

During the installation and configuration of Communications Suite 7.0.6, you create an initial default domain of comms.beta.com. You can create additional hosted domains either by using the Delegated Administrator command-line utility or the Delegated Administrator console.

#### Creating a Hosted Domain Using the commadmin Utility

To create a new hosted domain, hosted.domain.com, using the commadmin utility, execute the following sequence of commands:

```
cd /opt/sun/comms/da/bin/
./commadmin domain create -D admin -d hosted.domain.com -S mail,cal,im -H
demo.comms.beta.com -B demo.comms.beta.com
```

#### Creating a Hosted Domain Using Delegated Administrator Console

To create a new hosted domain, `hosted.domain.com`, using the Delegated Administrator console:

1. In your web browser, open the URL for Delegated Administrator.  
In this example, type:

```
http://demo.comms.beta.com:7080/da
```

2. Log in using **admin** as the Login ID and **adminpass** as the Password.
3. Click the New Organization button.  
The New Organization window appears.
4. In the Organization Information step, type the new hosted domain `hosted.domain.com` in the Organization Name field then click the Next button.
5. You do not need to type Contact Information. Click Next again.
6. In the Account Information step, type the new hosted domain `hosted.domain.com` again then click Next.
7. At this point you assign Service Packages to the domain using these steps:
  - To the right of this button is a button that maps the three pages into a single view. Click the Single Page button.
  - Select the desired service packages then click Next. The `mailcalendarimsample` service package is appropriate for this example, because this package enables the mail, calendar and instant messaging services.
  - Accept the Mail Service defaults, then click Next.



#### Note

If the Preferred Mail Host value is not set to the mail server host name `demo.comms.beta.com` in the Mail Service Details screen, close the window, log out of the Delegated Administrator GUI and return to the start of these steps.

- If you chose a service package that contains Calendar, type the Calendar Host **demo.comms.beta.com** and **Yes** for Anonymous Login. Then click Next.
  - Select the quantity of each service pack desired then click Next. A quantity of 100 is appropriate for this example.
  - Review your choices and click Finish to create the service packages.
  - Once the service packs have been allocated for the domain, you can continue.
8. Verify the new hosted domain information then click Finish to create the domain.

## Adding Users to a Hosted Domain

Refer to the [Creating Additional User Accounts and Groups](#) steps. Substitute the newly created hosted domain name `hosted.domain.com` for every instance of the `comms.beta.com` domain in the steps.

Users in the newly created hosted domain log in to the Convergence by using the `uid@hosted-domain-name` format in the user login field.

## Single Host Installation Tuning Tips

This section provides performance tuning information for the single host deployment.

Topics:

- [Use the memory-mapped tmpfs file system for temporary server files](#)
- [Messaging Server](#)



- [Directory Server](#)
- [Instant Messaging Server](#)

## Use the memory-mapped tmpfs file system for temporary server files

Oracle Linux 6 by default provides the /dev/shm memory-mapped temporary file system:

```
[root@comms sbin]# df -k /dev/shm
Filesystem 1K-blocks Used Available Use% Mounted on
tmpfs 387596 121488 266108 32% /dev/shm
```

Directory Server, and Instant Messaging Server can all be configured to relocate temporary files to a memory-mapped file system to reduce the number of I/O operations that are recorded to permanent storage.

### Messaging Server

This also used to be necessary for Messaging Server.

However, starting with Messaging Server 7.0.5.31, tmpfs (/dev/shm on Linux) is used by default for store.dbtmpdir and local.lockdir .

### Directory Server

Relocate the Directory Server temporary database files to the temporary file system.

1. Stop Directory Server.

```
cd /opt/sun/directory/bin
./dsadm stop /var/opt/sun/directory/dsins1/
```

2. Edit the /var/opt/sun/directory/dsins1/config/dse.ldif file.

```
replace:
nsslapd-db-home-directory: /var/opt/sun/directory/dsins1/db

with:
nsslapd-db-home-directory: /dev/shm/slapd-demo/
```

3. Start Directory Server.

```
cd /opt/sun/directory/bin
./dsadm start /var/opt/sun/directory/dsins1/
```

### Instant Messaging Server

Relocate the Instant Messaging Server temporary "scratch" files to the temporary file system.

1. Stop Instant Messaging Server.

```
cd /opt/sun/comms/im/sbin
./imadmin stop
```

2. Change the scratch directory to /dev/shm/iim-demo.

```
mkdir /dev/shm/iim-demo
chown inetuser:inetgroup /dev/shm/iim-demo
cd /opt/sun/comms/im/sbin
./imconfutil set-prop -c /opt/sun/comms/im/config/iim.conf.xml
iim_server.scratch_directory=/dev/shm/iim-demo
```

3. Start Instant Messaging Server.

```
cd /opt/sun/comms/im/sbin
./imadmin start
```

4. In the `init.d` start script, add the following:

```
mkdir /dev/shm/iim-demo
chown inetuser:inetgroup /dev/shm/iim-demo
```

## Known Issues and Limitations

For more information about known issues, see [Communications Suite 7.0.6 Release Notes](#).

# Start and Stop Scripts for Communications Suite 7.0.6 (Linux)

## Start and Stop Scripts for Oracle Communications Unified Communications Suite 7.0.6 (Linux)

- [Background](#)
- [Service Scripts](#)

### Background

The products that make up Oracle Communications Unified Communications Suite need to be started in a specific order to ensure that any pre-requisite services are enabled prior to the product starting. This ordering is especially important when starting the products when booting the server.

The ordering of the product start-up is as follows:

1. Directory Server (relies on network interface availability)
2. MySQL Server (relies on network interface availability)
3. JMQ (for Messaging Server notifications)
4. Indexing and Search Service processes:
  - a. utilSvc (provides utility services to Index Service)
  - b. indexSvc (bootstraps new users and indexes incoming content)
  - c. searchSvc (searches index and returns results)
  - d. jmqconsumer (listens to the JMQ on the message store and notifies indexSvc if new content requires indexing)
5. Messaging Server (relies on Directory Server for user-group information)
6. GlassFish Server (provides Messaging, Calendar, Instant Messaging services)
7. Instant Messaging Server (relies on Directory Server, Messaging Server for SMTP and GF)

When the server is shut-down, the ordering is (roughly) reversed.

Oracle Linux and Red Hat Enterprise Linux provide the `chkconfig` utility to control the ordering of the product start-up and shut-down. A good explanation of the Red Hat Linux `chkconfig` functionality is available here:

<http://www.linuxjournal.com/article/4445>

The logs of each product being started/stopped during of the boot-up and shut-down is stored in `/var/log/boot.log` file on the server.

### Service Scripts

Each product requires a service script to start and stop the processes correctly. The following service scripts are designed to be used with a Communication Suite 7.0.6 system that has been installed and configured as described in the [Communications Suite 7.0.6 on a Single Host \(Linux\)](#) guide.



#### Note

The scripts will need to be modified as appropriate if the products were not installed in the default locations.

### Directory Server

The following is the service script for Directory Server.

**/etc/init.d/Sun\_DirSvr**

```

#!/bin/sh
#
Sun_DirSvr - boot script to start/stop Directory Server
#
#
Following stuff is necessary for chkconfig (Red Hat 6.x)
#
chkconfig: 345 51 72
description: starts and stops Directory Server instances
in /var/opt/sun/directory/dsins1 and /opt/sun/directory/var/dcc/ads
#

Set the maximum number of file-descriptors to a more appropriate value
ulimit -n 16384

me=`basename $0`
me=`echo $me |sed -e "s/^[SK][0-9][0-9]//"`
instance_ldap_path="/var/opt/sun/directory/dsins1"
instance_dscs_path="/opt/sun/directory/var/dcc/ads"
cacao_path="/opt/sun/directory/ext/cacao_2"
deploy_path="/opt/sun/directory/"
See how we were called.
case "$1" in
start)
echo "Starting Directory Server instance in $instance_ldap_path :"
$deploy_path/bin/dsadm start $instance_ldap_path
echo "Starting Directory Server instance in $instance_dscs_path :"
$deploy_path/bin/dsadm start $instance_dscs_path
echo "Starting Directory Server cacao agent :"
$cacao_path/cacao/bin/cacoadm start

this line necessary for Red Hat 6.x
touch /var/lock/subsys/$me
echo
;;

stop)
echo "Stopping Directory Server instance in $instance_ldap_path :"
$deploy_path/bin/dsadm stop $instance_ldap_path
echo "Stopping Directory Server instance in $instance_dscs_path :"
$deploy_path/bin/dsadm stop $instance_dscs_path
echo "Stopping Directory Server cacao agent :"
$cacao_path/cacao/bin/cacoadm stop

this line necessary for Red Hat 6.x
rm -f /var/lock/subsys/$me
echo
;;

*)
echo "Usage: $me { start | stop }"
exit 1
;;
esac

exit 0

```

Once you have created the above service script, set the file and user permissions as follows to ensure

that the script can be started on boot.

```
chown root:sys /etc/init.d/Sun_DirSvr
chmod 0744 /etc/init.d/Sun_DirSvr
```

Enable the script using chkconfig so that it is run on boot and shut-down.

```
chkconfig --add Sun_DirSvr
```

## MySQL Server

Normally, the init script to start MySQL is already enabled and MySQL active. This can be verified with :

```
chkconfig --list mysql
```

If mysql is not listed as a service or if it is off for all run levels, enable the script using chkconfig so that it runs on boot and shut-down.

```
chkconfig --add mysql
```

## Messaging Server

Messaging Server provides a suitable script that can be put into place by running the following commands:

```
cp /var/opt/sun/comms/messaging64/install/Sun_MsgSvr /etc/init.d/
chown root:sys /etc/init.d/Sun_MsgSvr
chmod 0744 /etc/init.d/Sun_MsgSvr
```

Do not forget to edit the Sun\_MsgSvr script to :

- make it contain the right path to the bin directory,
- get the lines with /var/lock/subsys out of comment
- change the line :

```
me=`basename $0`
```

to two lines :

```
me=`basename $0`
me=`echo $me |sed -e "s/^\[SK\]\[0-9\]\[0-9\]//"`
```

Enable the script using chkconfig so that it is run on boot and shut-down.

```
chkconfig --add Sun_MsgSvr
```

## Instant Messaging Server

When Instant Messaging Server is configured, the configuration process places a script in `/etc/init.d` if you chose to do so. In this case the script is not appropriate and we will disable it to use the script defined in this guide.

```
rm /etc/rc?.d/???soim
```

The following is the replacement service script for Instant Messaging Server.

### **/etc/init.d/Sun\_IMSvr**

```
#!/bin/sh
#
Sun_IMSvr - boot script to start/stop Instant Messaging Server
#
#
Following stuff is necessary for chkconfig (Red Hat 6.x)
#
chkconfig: 345 96 10
description: starts and stops Instant Messaging Server
in /opt/sun/comms/im
#

Set the maximum number of file-descriptors to a more appropriate value
ulimit -n 16384

me=`basename $0`
me=`echo $me |sed -e "s/^[SK][0-9][0-9]//"`
deploy_path="/opt/sun/comms/im"

See how we were called.
case "$1" in
start)
echo "Starting Instant Messaging Server in $deploy_path :"
$deploy_path/sbin/imadmin start 2>/dev/null

this line necessary for Red Hat 6.x
touch /var/lock/subsys/$me
echo
;;

stop)
echo "Stopping Instant Messaging Server in $deploy_path :"
$deploy_path/sbin/imadmin stop 2>/dev/null

this line necessary for Red Hat 6.x
rm -f /var/lock/subsys/$me
echo
;;

*)
echo "Usage: $me { start | stop }"
exit 1
;;
esac

exit 0
```

Once you have created the above service script, set the file and user permissions as follows to ensure that the script can be started on boot.

```
chown root:sys /etc/init.d/Sun_IMSvr
chmod 0744 /etc/init.d/Sun_IMSvr
```

Enable the script using `chkconfig` so that it is run on boot and shut-down.



```
chkconfig --add Sun_IMSvr
```

## Indexing and Search Service

The Indexing and Search Service comes with its own set of init scripts, which are enabled by default. The services have the same name as mentioned above in the order listed.

Eg.

```
chkconfig --list | egrep 'Svc|consumer'
indexSvc 0:off 1:off 2:off 3:on 4:on 5:on 6:off
jmqconsumer 0:off 1:off 2:off 3:on 4:on 5:on 6:off
searchSvc 0:off 1:off 2:off 3:on 4:on 5:on 6:off
utilSvc 0:off 1:off 2:off 3:on 4:on 5:on 6:off
```

## GlassFish Server

### On GlassFish 2

GlassFish 2 Server will by default prompt the user for a master password when it is started. This prevents automated start-up on boot.

However, GlassFish 2 Server provides a mechanism to hard-code the master password in a password file.

For this guide, create the following password file. The adminpass value in the file should match the master password which is usually provided when starting GlassFish Server.

**/opt/sun/appserver/config/.aspasswd**

```
AS_ADMIN_MASTERPASSWORD=adminpass
```

Change the permissions on the password file to be read-only by the root user for security.

```
chown root:sys /opt/sun/appserver/config/.aspasswd
chmod 400 /opt/sun/appserver/config/.aspasswd
```

Then, the following script can be used as the service script for GlassFish 2 Server.

### **/etc/init.d/Sun\_AppSvr**

```
#!/bin/sh
#
Sun_AppSvr - boot script to start/stop GlassFish Server
#
#
Following stuff is necessary for chkconfig (Red Hat 6.x)
#
chkconfig: 345 93 15
description: starts and stops GlassFish Server in
in /opt/sun/appserver/
#

Set the maximum number of file-descriptors to a more appropriate value
ulimit -n 16384

me=`basename $0`
me=`echo $me | sed -e "s/^[SK][0-9][0-9]//"`
deploy_path="/opt/sun/appserver/"
passwd_file="/opt/sun/appserver/config/.aspasswd"

See how we were called.
case "$1" in
start)
echo "Starting GlassFish Server in $deploy_path :"
$deploy_path/bin/asadmin start-domain --passwordfile $passwd_file

this line necessary for Red Hat 6.x
touch /var/lock/subsys/$me
echo
;;

stop)
echo "Stopping GlassFish Server in $deploy_path :"
$deploy_path/bin/asadmin stop-domain

this line necessary for Red Hat 6.x
rm -f /var/lock/subsys/$me
echo
;;

*)
echo "Usage: $me { start | stop }"

exit 1
;;
esac

exit 0
```

Once you have created the above service script, set the file and user permissions as follows to ensure that the script can be started on boot.

```
chown root:sys /etc/init.d/Sun_AppSvr
chmod 0744 /etc/init.d/Sun_AppSvr
```

Enable the script using `chkconfig` so that it is run on boot and shut-down.

```
chkconfig --add Sun_AppSvr
```

### **On GlassFish 3**

Starting a GlassFish 3 Server from an init script is as for GlassFish 2, except the password file is not needed if you have set this up correctly.

For completeness, below is a script you can use. In this case, multiple domains are started, one for Convergence and ISS, one for Calendar Server, and one for Contacts Server.

### /etc/init.d/Sun\_GF3

```
#!/bin/sh
#
Sun_GF3 - boot script to start/stop GlassFish Server3
#
#
Following stuff is necessary for chkconfig (Red Hat 6.x)
#
chkconfig: 345 93 16
description: starts and stops GlassFish Server 3 in
in /opt/glassfish3/
#

Set the maximum number of file-descriptors to a more appropriate value
ulimit -n 16384

me=`basename $0`
me=`echo $me |sed -e "s/^[SK][0-9][0-9]//"`

deploy_path="/opt/glassfish3/"

See how we were called.
case "$1" in
 start)
 echo "Starting GlassFish Server 3 in $deploy_path :"
 $deploy_path/bin/asadmin start-domain domain1
 $deploy_path/bin/asadmin start-domain domain2
 $deploy_path/bin/asadmin start-domain domain3
this line necessary for Red Hat 6.x
 touch /var/lock/subsys/$me
 echo
 ;;

 stop)
 echo "Stopping GlassFish Server 3 in $deploy_path :"
 $deploy_path/bin/asadmin stop-domain domain3
 $deploy_path/bin/asadmin stop-domain domain2
 $deploy_path/bin/asadmin stop-domain domain1

this line necessary for Red Hat 6.x
 rm -f /var/lock/subsys/$me
 echo
 ;;

 *)
 echo "Usage: $me { start | stop }"

 exit 1
 ;;
esac
exit 0
```

Once you have created the above service script, set the file and user permissions as follows to ensure that the script can be started on boot.

```
chown root:sys /etc/init.d/Sun_GF3
chmod 0744 /etc/init.d/Sun_GF3
```

Enable the script using chkconfig so that it is run on boot and shut-down.

```
chkconfig --add Sun_GF3
```

## Chapter 26. Connector for Microsoft Outlook 8.0.2.0.0 Installation Guide

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### Oracle Communications Connector for Microsoft Outlook 8.0.2.0.0 Installation Guide



For documentation beginning with Connector for Microsoft Outlook 8.0.2, see the  
Oracle Technology Network site at:

<http://www.oracle.com/technetwork/documentation/oracle-communications-185806.html>

Starting with this release of Connector for Microsoft Outlook, this information is published in *Connector for Microsoft Outlook Installation Guide* on the Oracle Documentation site at:

<http://www.oracle.com/technetwork/indexes/documentation/oracle-communications-185806.html>

## Chapter 27. Connector for Microsoft Outlook 8.0.2.0.0 Release Notes

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### Oracle Communications Connector for Microsoft Outlook 8.0.2.0.0 Release Notes



For documentation beginning with Connector for Microsoft Outlook 8.0.2, see the  
Oracle Technology Network site at:

<http://www.oracle.com/technetwork/documentation/oracle-communications-185806.html>

## Chapter 28. Connector for Microsoft Outlook 8.0.2.0.0 Upgrade

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### Oracle Communications Connector for Microsoft Outlook 8.0.2.0.0 Upgrade



Starting with this release of Connector for Microsoft Outlook, this information is published in *Connector for Microsoft Outlook Installation Guide* on the Oracle Documentation site at:

<http://www.oracle.com/technetwork/indexes/documentation/oracle-communications-connector-for-microsoft-outlook-2322222-01.pdf>



# Chapter 29. Contacts Server 8.0 Initial Configuration

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## Oracle Communications Contacts Server 8.0 Initial Configuration

After you install the Contacts Server software by using the Communications Suite installer, and install the Contacts Server back-end database, you must configure Contacts Server to complete the installation. You perform this initial runtime configuration by running the Contacts Server configuration script, `init-config`.

For more information, see *Contacts Server Installation and Configuration Guide* on the Oracle Documentation site at:

<http://www.oracle.com/technetwork/indexes/documentation/oracle-communications-185806.html>

# Chapter 30. Installation Scenario - Contacts Server 8.0

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## Installation Scenario - Oracle Communications Contacts Server 8.0

This information is published in *Contacts Server Installation and Configuration Guide* on the Oracle Documentation site at:

<http://www.oracle.com/technetwork/indexes/documentation/oracle-communications-185806.html>

# Chapter 31. Configuration Worksheets - Convergence 3.0.0.1.0

## Convergence 3.0.0.1.0 Configuration Worksheets

Before you configure Convergence, gather the necessary configuration information.

[Convergence Configuration Options](#) lists the configuration options required for Convergence. [GlassFish Server Configuration Options](#) lists the configuration options required by Convergence to be deployed on GlassFish Server.

Print and fill out these worksheets to use when responding to the Convergence `init-config` script configuration options.

[anchor:convoptions] **Convergence Configuration Options**

| Option                       | Description and Default Value                                                                                                                                                                                                                                                                                                                                    | Fill in Your Site's Value (to Respond to the Script) |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|
| Configuration Directory      | Directory to store configuration and data files. Default directory (on Solaris OS and Red Hat Linux): <code>/var/opt/sun/comms/iwc</code> . This directory should be different than the <i>iwc-base</i> directory. (On Solaris OS and Red Hat Linux, this is <code>/opt/sun/comms/iwc</code> by default)                                                         |                                                      |
| Convergence server host name | Host name of the machine where the Convergence software is installed. For example: <code>mymachine</code>                                                                                                                                                                                                                                                        |                                                      |
| DNS domain name              | The DNS domain for the host machine where the Convergence software is installed. For example: <code>siroe.com</code>                                                                                                                                                                                                                                             |                                                      |
| Convergence URL              | URL where Convergence will be deployed. Enter the portion of the URL following the <i>host name:port number</i> . For example: <code>/iwc</code>                                                                                                                                                                                                                 |                                                      |
| Hosted domain support?       | Select this option only if you have configured hosted domain support for Calendar Server                                                                                                                                                                                                                                                                         |                                                      |
| User/Group LDAP URL          | Enter the Directory Server host and port where the User/Group is located. The URL should be in the format: <code>ldap://LDAP host name with FQDN:LDAP port number</code> . For example: <code>ldap://siroe.com:389</code>                                                                                                                                        |                                                      |
| Bind DN                      | Enter the LDAP DN to be used to bind to the Directory Server managing the User/Group data. This is the User/Group Directory Manager. For example: <code>"cn=Directory Manager"</code>                                                                                                                                                                            |                                                      |
| Bind password                | Password for the Bind DN. Use the password defined in Directory Server for the Bind DN                                                                                                                                                                                                                                                                           |                                                      |
| DC Tree suffix               | For Schema 1 configurations, this option specifies the base distinguished name (DN) of the DC Tree root suffix. For Schema 2 configurations, this option specifies the base DN of the root suffix under which the User/Group tree is located. You must enter a value for this option whether you are using Schema 1 or Schema 2. For example: <code>o=isp</code> |                                                      |

|                                            |                                                                                                                                                                                                                                                                                           |  |
|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Default domain name                        | When a user logs in to Convergence without including a mail domain component in the user name, this domain is used by default to supply the fully qualified domain name. For example: sesta.com. In this example, if a user logs in as fred, the user name is qualified as fred@sesta.com |  |
| Webmail host name                          | Host name where Messaging Server is installed. For example: ms.sesta.com                                                                                                                                                                                                                  |  |
| Webmail port number                        | Messaging Server HTTP (mshttpd) port number. For example, the default is: 8990                                                                                                                                                                                                            |  |
| Webmail SSL port number                    | Messaging Server SSL port number. Only needed if you enable login in secure mode                                                                                                                                                                                                          |  |
| Webmail Admin user ID and password         | Messaging Server administrator user ID and password. For example: admin                                                                                                                                                                                                                   |  |
| Calendar Server version                    | Calendar Server 6.3 or Calendar Server 7 and up. For example: CS7 and up                                                                                                                                                                                                                  |  |
| Calendar Server host name                  | Host name where Calendar Server is installed. For example: cs.siroe.com                                                                                                                                                                                                                   |  |
| Calendar Server port number                | Calendar Server HTTP port number. For example: 8004. Default: 80                                                                                                                                                                                                                          |  |
| Calendar Server SSL port number            | Calendar Server SSL port number. Only needed if you enable login in secure mode                                                                                                                                                                                                           |  |
| Calendar Server URI                        | Calendar Server URI. Only needed if enabling with Calendar Server 7 and up. Default: /davserver/wcap                                                                                                                                                                                      |  |
| Calendar Server Admin user ID and password | Calendar Server administrator user ID and password. For example: calmaster                                                                                                                                                                                                                |  |
| IM domain name                             | Domain name of the Instant Messaging Server. For example varrius.com                                                                                                                                                                                                                      |  |
| IM host name                               | Host name where Instant Messaging is installed. For example: im.varrius.com                                                                                                                                                                                                               |  |
| IM port number                             | Instant Messaging HTTP port number. For example: 5269. Default: 5269                                                                                                                                                                                                                      |  |
| IM Httpbind Component JID                  | Instant Messaging Server httpbind component jid. For example: httpbind.varrius.com                                                                                                                                                                                                        |  |
| IM Httpbind Component password             | Instant Messaging Server httpbind component password                                                                                                                                                                                                                                      |  |
| IM Avatar Component JID                    | Instant Messaging Server avatar component jid. For example: avatar.varrius.com                                                                                                                                                                                                            |  |
| IM Avatar Component password               | Instant Messaging Server avatar component password                                                                                                                                                                                                                                        |  |
| ISS host name                              | Host name where Indexing and Search Server is installed. For example: iss.example.com                                                                                                                                                                                                     |  |
| ISS port number                            | Indexing and Search Server HTTP port number. For example: 8004 Default: 80                                                                                                                                                                                                                |  |
| ISS SSL port number                        | Indexing and Search SSL port number. Only needed if you enable secure mode                                                                                                                                                                                                                |  |

|                                          |                                                                                     |  |
|------------------------------------------|-------------------------------------------------------------------------------------|--|
| ISS Admin<br>userID and<br>password      | Indexing and Search administrator userID and password. For example:<br>indexeradmin |  |
| Convergence<br>administrator<br>username | Administrator username. For example admin                                           |  |
| Convergence<br>administrator<br>password | Administrator password                                                              |  |

### GlassFish Server Configuration Options

| Option                                              | Description                                                                                                                                                                                                                                                                               | Fill in Your<br>Site's Value (to<br>Respond to the<br>Script) |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|
| GlassFish<br>server<br>installation<br>directory    | Directory where GlassFish Server is installed. By default, this directory is /opt/glassfish3/glassfish                                                                                                                                                                                    |                                                               |
| GlassFish<br>server domain<br>directory             | By default, this directory is<br>/opt/glassfish3/glassfish/domains/domain                                                                                                                                                                                                                 |                                                               |
| GlassFish<br>server<br>document root<br>directory   | By default, this directory is<br>/opt/glassfish3/glassfish/domains/domain1/docroot                                                                                                                                                                                                        |                                                               |
| GlassFish<br>server target<br>name                  | Name of the instance. For example: server                                                                                                                                                                                                                                                 |                                                               |
| Virtual server<br>identifier                        | Name of the application server virtual server identifier. For example: server                                                                                                                                                                                                             |                                                               |
| GlassFish<br>server instance<br>HTTP port<br>number | HTTP port number for the GlassFish Server server instance (target). Default port number: 8080                                                                                                                                                                                             |                                                               |
| Administration<br>Server port<br>number             | Port number for the Administration Server instance for application server. For example: 4848                                                                                                                                                                                              |                                                               |
| Administrator<br>Server user ID<br>and password.    | User ID and password for the Administration Server administrator. User ID example: admin                                                                                                                                                                                                  |                                                               |
| Web Container<br>User                               | UserID of GlassFish installation, for example, root                                                                                                                                                                                                                                       |                                                               |
| Web Container<br>Group                              | GroupID of GlassFish installation, for example, other                                                                                                                                                                                                                                     |                                                               |
| Secure<br>Administration<br>Server Instance         | You will need to specify whether the HTTP access to the Administration Server instance is secure (HTTPS) or not (HTTP). By default, the Secure Administration Server Instance box shown in the Convergence init-config program is checked. If your access is not secure, uncheck the box. |                                                               |



# Chapter 32. Convergence 3.0.0.1.0 Initial Configuration

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## Convergence 3.0.0.1.0 Initial Configuration

After installing Convergence, you must configure it. Use `init-config` to perform the initial configuration.

After the initial Convergence configuration has been done, you can change configuration settings and property values with the Convergence command-line interface, `iwcadm.in`. For more information about ongoing Convergence administration, see *Convergence System Administrator's Guide*.

Topics:

- [Gather Your Convergence Configuration Information](#)
- [Configuring Components to Enable Communication with the Instant Messaging Server](#)
- [Run the Convergence Configuration Program](#)
- [Performing a Silent Installation](#)
- [Configuring Certificate Based Authentication](#)

## Gather Your Convergence Configuration Information

### Convergence Components

You can configure Convergence to communicate with the following back-end Communication Suite servers:

- Messaging Server
- Calendar Server (CALDAV)
- Instant Messaging Server
- Index and Search Service

You can choose to configure any or all of these components. Only configured components appear in the Convergence user interface and are available to Convergence users.



#### **Configure Backend Servers Before Configuring Convergence**

If you plan to use Messaging Server, Calendar Server, or Index and Search Service, these components must be installed and configured before you run the Convergence configuration program. If you add a component to your deployment after running the Convergence configuration program, rerun the Convergence configuration program so that Convergence will be able to communicate with the new component.

Alternatively, you can set up any additional installed components with Convergence by using the `iwcadm.in` command-line interface. For example, to enable the CalDAV service with Convergence, see "Enabling CalDAV Service" in *Convergence System Administrator's Guide*.

You do not have to configure Instant Messaging before you configure Convergence. However, to enable the Instant Messaging service, you must take the steps described in [Configuring Components to Enable Communication with the Instant Messaging Server](#).

## Web Containers

The Convergence server must be deployed to a web container. See [Product Requirements for Convergence](#) for the list of supported web containers.

## Configuration Worksheets

Before you run the configuration program, gather configuration information and fill out the [Convergence Configuration Worksheets](#).

## Configuring Components to Enable Communication with the Instant Messaging Server

To enable Convergence to communicate with Instant Messaging Server, you must configure values for the following Instant Messaging Server features before you run the Convergence configuration program:

- Httpbind Component JID
- Httpbind Component Password
- Avatar Component JID
- Avatar Component Password

You must configure these components manually, after you install and configure Instant Messaging.



### **A Note About Configuring Instant Messaging Server**

When you are configuring the Instant Messaging Server (with the `configure` utility), ensure that the XMPP/HTTP Gateway Deployment parameter is set to `false`. The XMPP/HTTP Gateway is deployed through the Convergence server but its value is set when you configure Convergence.

## About the Httpbind Component JID and Avatar Component JID

The Httpbind JID and Avatar JID can be any string. These values do not have to identify a particular Instant Messaging host and domain name. However, it is a good practice to make these values meaningful. For example, include the host and domain name in these JIDs to make the identifiers easy to recognize.

The passwords for Httpbind JID and Avatar JID can be unique. They do not have to match any other password used for IM or other back-end services.

The JIDs and passwords configured in the `im.conf.xml` file must match the Httpbind and Avatar JIDs that you specify when you configure Convergence with the `init-config` program.

## Configuring Multiple Instances of Convergence with One Instant Messaging Server

If you are configuring multiple instances of Convergence to use one Instant Messaging server, you must add a unique `httpbind` and `avatar.jid` value for each instance of Convergence. For example, if you configure three instances of Convergence, the Instant Messaging server configuration (`im.conf.xml`) file must have three instances of `httpbind` component configuration:

Use `imconfigutil add-component` to add the unique `httpbind` and `avatar.jid` values for each instance of Convergence.



```

<component id="httpbind1">
<jid>convergence1-jid.httpbind.example.com</jid>
<password>secret</password>
</component>

<component id="httpbind2">
<jid>convergence2-jid.httpbind.example.com</jid>
<password>secret</password>
</component>

<component id="httpbind3">
<jid>convergence3-jid.httpbind.example.com</jid>
<password>secret</password>
</component>

```

Similarly, in this example, the Instant Messaging server configuration file (`iim.conf.xml`) must have three instances of the avatar component configuration - one for each Convergence instance:

```

<component id="avatar1">
<jid>convergence1-jid.avatar.example.com</jid>
<password>secret</password>
</component>

<component id="avatar2">
<jid>convergence2-jid.avatar.example.com</jid>
<password>secret</password>
</component>

<component id="avatar3">
<jid>convergence3-jid.avatar.example.com</jid>
<password>secret</password>
</component>

```

You must run the `Convergence init-config` script for each instance of Convergence. When you specify the values for the `Httpbind Component JID` and `Avatar Component JID`, be sure that the values correspond to those for the corresponding instance of Convergence in the `iim.conf.xml` file. For details, see [Run the Convergence Configuration Program](#).

## To Configure the Instant Messaging Server Components

1. Perform the initial configuration of Instant Messaging with the Instant Messaging configure program.  
For details, see [Instant Messaging Server 9.0.2.6.0 Initial Configuration](#).
2. Add **c2s** to `iim.conf.xml`:

```

/opt/sun/comms/im/sbin/imconfutil -u set-listener-prop s2s
protocols="s2s,component,c2s" -c
/opt/sun/comms/im/config/iim.conf.xml

```

3. Using the `imsconfutil` command, set the `iim_agent.enable` property to true.
4. Set the `Httpbind JID` and password by using the `imconfutil add-component` command. For example:

```
/opt/sun/comms/im/sbin/imconfutil add-component id=httpbind1
jid=convergence1-jid.httpbind.example.com
password=secret -c /opt/sun/comms/im/config/iim.conf.xml
```

5. Set the avatar JID and password with the `imconfutil add-component` command. For example:

```
/opt/sun/comms/im/sbin/imconfutil add-component id=avatar1
jid=avatar1-jid.avatar.example.com
password=secret -c /opt/sun/comms/im/config/iim.conf.xml
```

If you are configuring more than one Convergence client to use the Instant Messaging Server host, add a unique `httpbind` and `avatar.jid` value for each instance of Convergence. For details, see [Configuring Multiple Instances of Convergence with One Instant Messaging Server](#).

6. Restart Instant Messaging Server.

## Configuring Instant Messaging Server to Show Presence Information in Email

To enable Convergence to show presence information in email, you must configure Instant Messaging server. See the topic on configuring Convergence so that presence information shows in email in *Convergence System Administrator's Guide*.

## Run the Convergence Configuration Program

This section describes how to configure Convergence with the `init-config` configuration program.

### Configuring Convergence as Non-Root User

If you set up the GlassFish server as a user other than root, you must do one of the following:

- Create a symbolic link between `/usr/jdk/latest` and the desired installed JDK in the `/usr/jdk` directory. For example:

```
ln -s /usr/jdk/jdk1.7.0_75 /usr/jdk/latest
```

- Define the **JAVA\_HOME** variable in the GlassFish Server user profile. It is not enough to only define the variable in the current shell that you are using to run the initial configuration script. If the GlassFish Server user is referencing a JDK in a different location, set that location in the user `.profile` file by adding the following line.

```
export JAVA_HOME=JDK_location
```

Alternatively, you can add the line to the system-wide profile (`/etc/profile`) instead.

### Before Running the Configuration Program

Be sure that the back-end servers and the web container are up and running:

- Directory Server



### A Note About Directory Server

The Convergence configuration program does not change any information in Directory Server. It connects to Directory Server only to verify the Directory Manager user and password and collects dcroot and domain values.

- Messaging Server
- Calendar Server



### A Note About GlassFish Server

If you configured the web container with a CA or self-signed certificate, you must accept the certificate by running any of the GlassFish Server commands. See [Convergence Installation Notes](#).

Verify that users are able to log in to the back-end servers:

- Messaging Server
- Calendar Server
- Indexing and Search Service\* Indexing and Search Service

## To Launch the Configuration Program

1. Log in as (or become) root.
2. Change to the *iwc-base/sbin* directory.  
For example, on Solaris OS and Red Hat Linux, change directories.

```
cd /opt/sun/comms/iwc/sbin
```

3. To launch the configuration program, enter one the one of the following commands:
  - GUI:

```
./init-config
```

- CLI:

```
./init-config -nodisplay
```

The configuration program starts, displaying the first panel. The sections that follow lead you through the configuration panels.

The remainder of this section describes how to run the configuration program in GUI mode.

## To Enter Information in the Configuration Program Panels

The following steps lead you sequentially through the panels displayed by the *init-config* program.

If you'd rather read a list than a task-based procedure, you can refer instead to the configuration values shown in [Worksheet 1-1](#) and [Worksheet 1-2](#) as you run the program.

### 1. Welcome

The first panel in the configuration program is a welcome page. Click **Next**.

## 2. Select the directory to store configuration and data files

Select the directory where you want to store the Convergence configuration and data files. The default configuration and data directory is located here:

- **Solaris OS and Red Hat Linux:** `/var/opt/sun/comms/iwc`  
This directory should be separate from the *iwc-base* directory. (On both Solaris OS and Red Hat Linux, this is `/opt/sun/comms/iwc` by default.)

Enter the name of the directory, or keep the default, and click **Next**.

If the directory does not exist, a dialog appears asking if you want to create the directory or choose a new directory. Click **Create Directory** to create the directory or **Choose New** to enter a new directory.

A dialog appears indicating that the components are being loaded. This may take a few minutes.

## 3. Select Services to configure

Select the services you want to configure:

- **Mail Service**---the Convergence servlets that communicate with Messaging Server and GUI components that provide end-user access to mail service.
- **Calendar Service**---the Convergence servlets that communicate with Calendar Server and GUI components that provide end-user access to calendar service.
- **Instant Messaging Service**---the Convergence servlets that communicate with Instant Messaging Server and GUI components that provide end-user access to Instant Messaging service.
- **Indexing and Search Service**---the Convergence servlets that communicate with Indexing and Search Service (ISS) to provide search service to end users.

**Note:** To configure the Instant Messaging Service, you must also select either Mail Service or Calendar Service (or both). You cannot select Instant Messaging Service only. Click **Next**.

## 4. Convergence server host name and DNS domain name

Enter the host name of the machine on which Convergence is being configured.

For example: mymachine

Enter the DNS domain name of the Convergence host machine.

For example: siroe.com

Click **Next**.

## 5. Oracle GlassFish Server 3.1.2.8 Configuration Details

**Installation directory.** Enter the GlassFish Server installation directory. Default: `/opt/glassfish3/glassfish`.

**Domain directory.** Enter the GlassFish Server domain directory. Default: `/opt/glassfish3/glassfish/domains/domain1`.

**Document root directory.** Enter the GlassFish Server document root directory. Default: `/opt/glassfish3/glassfish/domains/domain1/docroot`.

You can browse to select any of these directories.

**Server Target Name.** Enter the GlassFish Server target name. For example: server.

**Virtual Server Identifier.** Enter the GlassFish Server virtual server identifier. For example: server.

**Server Instance HTTP port.** Enter the GlassFish Server target HTTP port number. Default port is 8080.

Click **Next**.

The configuration program checks if the directories you specified are valid. If a directory is invalid or does not exist, a dialog box tells you to choose a new directory.

Next, the configuration program checks if a GlassFish Server target connection is alive. If not, a dialog box warns you that the configuration program could not connect to the specified target and your configuration may not be completed. You can accept the specified values or choose new GlassFish Server configuration values.

## 6. GlassFish Server: Administration Instance Details

**Administration Server Port.** Enter the Administration Server port number. For example: 4848

**Administrator User ID.** Enter the Administration Server administrator user ID. For example: admin

**Administrator Password.** Enter the administrator user password.

Specify whether the HTTP access to the Administration Server instance is secure (HTTPS) or not (HTTP).

By default, the *Secure Administration Server Instance* box shown in this panel is checked. If your HTTP access is not secure, uncheck the box.

Click **Next**.

The configuration program checks if a GlassFish Server Administration Instance is alive. If not, a dialog box warns you that the configuration program could not connect to the specified target and your configuration may not be completed. You can accept the specified values or choose new GlassFish Server configuration values.

Next, the configuration program checks if the credentials are valid. An Information dialog box is displayed with GlassFish Server's Administration Instance running in normal or secure mode.

## 7. Web Container User and Group

Enter Web Container User and Group.

**Web Container User ID:** UserID of Glassfish Installation, for example, root

**Web Container Group ID:** GroupID of Glassfish Installation, for example, other

## 8. Enter the URI path where Convergence will be deployed.

For example, enter `/iwc`.

Click **Next**.

## 9. Specify whether or not you want hosted domain support

Select this option if you want to support for hosted domains in the current Convergence deployment.

If you enable or disable this option, ensure that the same settings are applied at the following back-end servers:

- Calendar Server - For more information on setting up hosted domains for Calendar Server, see [Chapter 10 Setting Up a Multiple Domain Calendar Server 6.3 Environment](#) in *Sun Java System Calendar Server Administration Guide*.
- Messaging Server - For more information on setting up hosted domains for Messaging Server, see "Configuring and Administering Multiplexor Services" in *Messaging Server System Administrator's Guide*.
- Instant Messaging Server - For more information on setting up hosted domains for Instant Messaging Server, see "Configuring Hosted Domain Support" in *Instant Messaging Server System Administrator's Guide*.

#### 10. Specify the LDAP User/Group configuration details.

The Communications Suite servers (Messaging Server, Calendar Server, Instant Messaging) store user and group data in an LDAP directory. This screen asks you to supply configuration information that enables the Convergence server to connect to the Directory Server managing this data.

**User/Group LDAP URL.** Enter the LDAP host and port where the User/Group is located. The URL should be in the format: `ldap://LDAP host name:LDAP port number`.

For example: `ldap://siroe.com:389`

**Bind DN.** Enter the LDAP distinguished name (DN) of the administrator used to bind to the Directory Server. This administrator should have appropriate privileges to manage the User/Group data.

For example `cn=Directory Manager`.

**Bind Password.** Enter the password for the Bind DN.

Click **Next**.

The configuration program checks if the LDAP connection is alive and the credentials are valid. If not, an error box tells you that the configuration program could not connect to the specified target. You need to provide valid User/Group LDAP details.

#### 11. Confirm the base distinguished name (DN) of the DC Tree suffix.

For example: `o=isp`

The Convergence configuration program retrieves this base DN from the Directory Server and displays it. Use the displayed value, or change it if your configuration uses another base DN.

This base DN is used to perform domain lookups. If the Communications Suite servers are using Schema 1, this configuration setting specifies the DN of the DC Tree suffix. If the Communications Suite servers are using Schema 2, this setting specifies the DN of the root suffix under which the User/Group tree is located. You must enter (confirm) a value for this item whether you are using Schema 1 or Schema 2.

In a Schema 1 directory layout, Convergence uses the DC Tree suffix to search for domain information. In a Schema 2 directory layout, there is only one root suffix; both domain and user/group data are located under this one suffix.

Click **Next**.

#### 12. Enter the default domain name.

When a user logs into Convergence without including a mail domain component in the user name, this domain is used by default to supply the fully qualified domain name. The default domain name is used when a domain name is required but not provided explicitly during login/authentication.

For example: `sesta.com`

In this example, if a user logs in as `fred`, the user name is qualified as `fred@sesta.com`.

### 13. Specify the Mail Service configuration details.

This screen appears only if you selected Messaging Service in the Select Components to Be Configured screen.

**Webmail Host Name.** Enter the name of the machine where Messaging Server is installed. For example: `ms.sesta.com`

**Webmail Server Port Number.** Enter the Messaging Server HTTP (`mshttpd`) port number. For example, the default is: 8990

**Access in SSL mode.** Select this option if you want a connection between Convergence and Messaging Server in secure mode. If you select this option, make sure that the Messaging Server Port Number provided above is an SSL port.

**Webmail Server Admin UserID.** Enter the Messaging Server administrator user ID. For example: `admin`

By default, the Messaging Server administrator user ID is `admin`. This value is chosen during Messaging Server configuration.

**Webmail Server Admin Password.** Enter the Messaging Server administrator user password.

Click **Next**.

The configuration program checks if Messaging Server connection is alive and Credentials are valid. If not, a warning box displayed that the configuration program could not connect to the specified target.

### 14. Select Calendar Server Version.

This screen appears only if you selected Calendar Server in the Select Components to Be Configured screen.

 **Note**  
Only choose CS 6.3 if you must configure Convergence with an existing version of Calendar Server 6.3. See: [Removed Features for Communications Suite: Calendar Server 6.3](#).

Choose "CS7 and up" for Calendar Server 7.x or "CS6.3" for Calendar Server 6.3.

If you plan to enable Calendar Server 7 at a later time, follow the instructions in "Enabling CalDAV Service" in *Convergence System Administrator's Guide*.

Click **Next**.

### 15. Specify the Calendar Service configuration details.

This screen appears only if you selected Calendar Server in the Select Components to Be

Configured screen.

**Calendar Server Host Name.** Enter the name of the machine where Calendar Server is installed. For example: `cs.siroe.com`

**Calendar Server Port Number.** Enter the Calendar Server HTTP port number. For example: 80 (Default Calendar Server port is 80.)

**Access in SSL mode.** Select this option if you want connection between Communication Center and Calendar Server in secure mode. Make sure that Calendar Server Port Number provided above is SSL port if you select this option.

**Service URI.** Enter the URI path where the WCAP servlet is deployed for Calendar Server 7. (Default Service URI is `/davserver/wcap`). If you selected CS 6.3 in the previous screen, you will not see the Service URI field.

**Calendar Server Admin User ID.** Enter the Calendar Server administrator user ID. For example: `calmaster`



**Note**

Add the `davcore.scheduling.localuserattr` value (usually `davStore`) to the administrative user's entry in LDAP to prevent a `calmaster DavException`.

**Calendar Server Admin Password.** Enter the Calendar Server administrator user password.

Click **Next**.

The configuration program checks if the Calendar Server connection is alive and Credentials are valid. If not, a warning box is displayed, stating that the configuration program could not connect to the specified target.

## 16. Specify the Instant Messaging Service configuration details.

This screen appears only if you selected Instant Messaging Service in the Select Components to Be Configured screen.

**Note:** You must configure the Httpbind Component JID, Httpbind Component Password, Avatar Component JID, and Avatar Component Password in the IM Server before you enter these values in the Convergence configuration program. For details, see [Configure IM Components to Enable Communication with the Instant Messaging Server](#).

**Server Domain Name.** Enter the domain name of the Instant Messaging server. For example: `varrius.com`. If multiple domains need to be supported, enter the domain names separated by spaces.

**Server Host Name.** Enter the name of the machine where Instant Messaging is installed. For example: `im.varrius.com`

**Server Port Number.** Enter the Instant Messaging Server HTTP port number. For example: 5269 (Default Instant Messaging Server port is 5269.)

**Note:** The following items, Httpbind Component JID, Httpbind Component Password, Avatar Component JID, and Avatar Component Password, must match the JID values and passwords that you configured in the `iim.conf.xml` file for the IM Server. If multiple instances of Convergence use one IM server, these items must match the JID values in the `iim.conf.xml` file configured for this particular instance of Convergence. For details, see [Configuring Multiple](#)



## Instances of Convergence with One IM Server.

**Httpbind Component JID.** Enter Instant Messaging Server httpbind component JID. This value must match the JID you configured in the `iim.conf.xml` file. For example:

`httpbind.varrius.com`

**Httpbind Component Password.** Enter the Instant Messaging Server httpbind component password

**Avatar Component JID.** Enter Instant Messaging Server avatar component jid. For example:

`avatar.varrius.com`

**Avatar Component Password.** Enter Instant Messaging Server avatar component password.

Click **Next**.

### 17. Specify the Indexing and Search Service (ISS) configuration details.

This screen appears only if you selected Indexing and Search Service (ISS) in the Select Components to Be Configured screen.

**Indexing and Search Service Host Name.** Enter the name of the machine where ISS is installed. For example: `iss.example.com`

**ISS Port Number.** Enter the Calendar Server HTTP port number. For example: 7070

**Access in to ISS in secure mode?** Enter yes to this option if you want ISS to be run in SSL mode. Make sure that ISS Port Number provided above is SSL port if you select this option.

**ISS Admin UserID.** Enter the ISS administrator user ID. For example: `indexeradmin`

**ISS Admin User Password.** Enter the ISS administrator user password.

Click **Next**.

The configuration program checks if the ISS connection is alive and credentials are valid. If not, a warning box is displayed, stating that the configuration program could not connect to the specified target.

### 18. Specify the Convergence Administrator details

The Administrator username and password are needed for ongoing administration of Convergence, implemented by using the Administration Utility `iwcadmin`. The user details for the Convergence Administrator are stored in the Convergence configuration files, not in the Directory Server. This administrator user is not tied to any back-end server administrator accounts.

**Username.** Enter the administrator username. For example `admin`

**Password.** Enter the password, make sure that password is more than 6 characters

**Password Again.** Enter the password again to confirm

### 19. Ready to Configure

The verification panel displays the items that will be configured.

Click **Configure Now** to begin the configuration.

To change information on a previous panel, click **Back**.

### 20. Task Sequence

The Task Sequence Panel displays a sequence of tasks being performed. The actual configuration takes place as these tasks are displayed.

When the panel displays "All Tasks Passed," you can click **Next** to continue or **Cancel** stop the tasks from being performed and exit.

## 21. Installation Summary

The Installation Summary panel displays the product installed and a **Details...** button that displays more information about this configuration.

A log file for the `init-config` program is created in the `iwc-base/install` directory. (On Solaris OS and Red Hat Linux, the default path is `/opt/sun/comms/iwc/install`.) The name of the log file is `Iwc-config-YYYYMMDDHHMMSS.log`, where `YYYYMMDDHHMMSS` identifies the 4-digit year, month, date, hour, minute, and second of the configuration.

Click **C**lose to complete the configuration.

## Performing a Silent Installation

The Convergence initial runtime configuration program automatically creates a silent installation state file called `saveState`. This file can be used to supply your configuration choices when used in a silent installations.

The silent installation `saveState` file is stored in the `/opt/sun/comms/iwc/data/setup/Iwc-config-YYYYMMDDHHMMSS/` directory, where `YYYYMMDDHHMMSS` identifies the 4-digit year, month, date, hour, minute, and second of the `saveState` file.

The silent installation `saveState` file is stored in the `da-base/data/setup/commda-config-YYYYMMDDHHMMSS/` directory, where `YYYYMMDDHHMMSS` identifies the 4-digit year, month, date, hour, minute, and second of the `saveState` file.

For example, to run the `init-config` program in silent install mode using the `saveState` file :

```
iwc-base-dir/sbin/init-config -nodisplay -noconsole -state fullpath
/saveState
```

The `fullpath` variable is the full directory path of where the `saveState` file is located.

## Configuring Certificate Based Authentication

For information on how to configure certificate based authentication for Convergence see *Unified Communications Suite Certificate Authentication Guide*.

# Chapter 33. Convergence 3.0.0.1.0 Release Notes

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## Oracle Communications Convergence 3.0.0.1.0 Release Notes

These Release Notes contain important information available at the time of the general release of Convergence 3.0.0.1.0, including:

- [About Convergence 3.0.0.1.0](#)
- [New Features in Convergence 3.0.0.1.0](#)
- [Requirements for Convergence 3.0.0.1.0](#)
- [Convergence 3.0.0.1.0 Installation and Upgrade Notes](#)
- [Problems Fixed in Convergence 3.0.0.1.0](#)
- [Known Problems in Convergence](#)
- [Documentation Updates](#)
- [Redistributable Files for Convergence](#)

### About Convergence 3.0.0.1.0

See *Convergence System Administrator's Guide* for an overview of Convergence.



#### Note

Convergence does not provide support for mobile devices in this release.

### New Features in Convergence 3.0.0.1.0

See the [New Features](#) document.

### Requirements for Convergence 3.0.0.1.0

For requirements specific to Convergence, see the [Requirements for Convergence 3.0.0.1.0](#).

See [Upgrade Requirements for Convergence 3.0.0.1.0](#).

### Convergence 3.0.0.1.0 Installation and Upgrade Notes

See the [Communications Suite 7.0.6 Installation Guide](#) for information on installing Convergence and [Convergence 3.0.0.1.0 Upgrade](#) for information on upgrading Convergence.

This section describes installation and upgrade issues in this version of Convergence.

#### Running the Convergence Initial Configuration Program in Secure Mode (16543628)

In some configurations, the Convergence `init-config` program fails when Convergence uses the `secure=true` option to run the GlassFish Server `asadmin` commands. Specifically, the `asadmin` commands invoked by `init-config` fail in this situation.

**Situation:** This issue occurs when GlassFish Server is configured to run in non-secure mode, and the Convergence `init-config` program is configured to run the GlassFish Server `asadmin` commands in

secure mode. In the Convergence `init-config` program, the **Secure Administration Server** check box is checked by default.

#### **Solution:**

To run GlassFish Server in secure mode, run the following `asadmin` command:

```
./asadmin enable-secure-admin --port <adminport>
```

If you are running GlassFish Server `asadmin` in secure mode, you can accept the defaults when you run `init-config`.

If you are running GlassFish Server in non-secure mode, when you run the `init-config` program, uncheck the **Secure Administration Server** check box in the GlassFish Server: Administration Instance Details panel.

#### **If You Run an Additional Instance of Convergence on the Same System, the Configurator Fails Because of Admin Port Contention (17014069)**

If an additional instance of Convergence are running on the same system and their processes are using the same port, 50005, the Convergence 3.0.0.1.0 Configurator script, `init-config`, does not create a `saveState` file for subsequent patching or installations.

As a workaround, you can stop whatever process is running on the admin port and then run the Configurator. With this approach, a `saveState` file is created for subsequent patching or installations.

Beginning with Convergence 3.0.0.1.0, you can change the admin port information in `admin.properties` after running the Configurator.

#### **LDAPSDK-tools and LDAPSEARCH not present:upgrade fails with misleading error (17253796)**

When `commpkg upgrade` runs on a system where `ldapcsdk-tools` are not installed, upgrade fails with the following message:

```
FAILED: Task 1: preupgrade
/temp/conv3/aug2/SunOS_sparc/IWC/CI/preupgrade
3.0-0.01 /opt/sun/comms/iwc 1
 status 1
-- Output of Task 1: preupgrade
/temp/conv3/aug2/SunOS_sparc/IWC/CI/preupgrade
3.0-0.01 /opt/sun/comms/iwc 1
-- Minimum dssetup required 6.4-1.04
/opt/SUNWdsee/dsee6/bin/ldapsearch: No such file or directory
Please make sure directory server siroe.example.com is up and running.
```

Error should state that the `ldapsearch` utility is missing.

## **Problems Fixed in Convergence 3.0.0.1.0**

This section lists problems fixed in this release of Communications Suite.

| SR (Service Request) Number                                                                                                                                                                                                                  | BugDB Number | Description                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------------------------------------------------------------------------------|
| 3-6296212633                                                                                                                                                                                                                                 | 12237251     | Email ID always appends default domain                                            |
| 3-7204719331                                                                                                                                                                                                                                 | 12250293     | Rendering the folder tree is slow                                                 |
| 3-9042406071<br>3-7868088695                                                                                                                                                                                                                 | 12307583     | Inconsistent search filter used for CAB searches                                  |
|                                                                                                                                                                                                                                              | 12530514     | Password expiration issues during Convergence login                               |
| 3-4078588571<br>3-4448726921<br>3-4522105051                                                                                                                                                                                                 | 12772120     | Reservations should not look up deleted calendars                                 |
| 3-4691903403<br>3-4691547981<br>3-6112674451<br>3-6139032393                                                                                                                                                                                 | 13079210     | Selecting multiple messages using check boxes and shift keys does not work        |
| 3-7117402981<br>3-7133930901                                                                                                                                                                                                                 | 13086148     | Autocomplete does not show all email IDs of contacts                              |
| 3-7166556351                                                                                                                                                                                                                                 | 13390486     | Task list fails to load if there are call list long tasks in unchecked calendars  |
| 3-5211326031<br>3-5274193751<br>3-5440790451<br>3-5451635391<br>3-5342366361<br>3-5396893301<br>3-5317493191<br>3-5362817191<br>3-5423066301<br>3-8714637281<br>3-8334596301<br>3-8556354951<br>3-5824646731<br>3-8280445181<br>3-8261840351 | 13619240     | Attachment not visible if MIME header has content-ID                              |
| 3-7073809291                                                                                                                                                                                                                                 | 13633826     | Quick add of events should not be allowed without a title                         |
| 3-7738646381<br>3-5190099794<br>3-8334596301<br>3-8388392641                                                                                                                                                                                 | 13639768     | Display non-compliant 'multipart/related' as 'multipart/mixed'                    |
| 3-7256977341                                                                                                                                                                                                                                 | 13772613     | Editor: first line appends second line when switching from RTF to Plan text       |
| 3-5918808471                                                                                                                                                                                                                                 | 13876229     | Internet Explorer: Calendar view grid keeps moving; can end up with time mismatch |
| 3-5133632531                                                                                                                                                                                                                                 | 13916307     | Events with duration are mishandled in client                                     |
| 3-5675750961                                                                                                                                                                                                                                 | 14046542     | When having three or more all day events, the last event is cut off               |
| 3-5706400461                                                                                                                                                                                                                                 | 14074012     | Wrong cursor in event details                                                     |

|                                              |          |                                                                              |
|----------------------------------------------|----------|------------------------------------------------------------------------------|
| 3-5778153111<br>3-7008624451                 | 14197534 | When clicking "Get Mail," Convergence can't handle some subfolders           |
| 3-5838374941                                 | 14204848 | Convergence dates: setting any date after 2032 creates an odd error          |
| 3-5943404101                                 | 14310997 | Resizing left page of mail view results in a corrupted view                  |
| 3-6045978055<br>3-7354831541                 | 14474108 | Calendar advanced search: searches containing a space can result in an error |
| 3-5785700121<br>3-6007980253                 | 14611431 | Client needs to support 'X-S1CS-DEFAULTCALENDAR'                             |
| 3-7848051067<br>3-6413753591<br>3-6623028491 | 16102876 | Convergence does not process group data correctly when displaying in CAB     |
| 3-6797953521                                 | 16364235 | "SHOW AS FREE" events are incorrectly stored in attendee calendar            |
| 3-7007649681                                 | 16622470 | Auto completion issues                                                       |
| 3-7047218921                                 | 16688136 | IN-REPLY-TO: and REFERENCES: headers contain draft copy MESSAGE-IDS          |
| 3-7437746012<br>3-7095031176                 | 16710152 | Time field not displayed in replied mail                                     |
| 3-7167777201                                 | 16768077 | Access blocked to subscribed folder gives error                              |
| 3-7171962241                                 | 16773836 | 'DISPLAY DECLINED INVITATIONS' shown as active                               |
| 3-7526897441                                 | 17162185 | Calendar invitation filters are being disabled                               |
| 3-7609463351                                 | 17282581 | German Outlook CSV file is not recognized as CSV file                        |
| 3-7600346301                                 | 17296719 | Convergence mail, reply-to and save, original text disappears                |
| 3-7648950758                                 | 17306419 | Printing document in Convergence mail gives partial print                    |
| 3-7688200451<br>3-7687715291                 | 17329155 | Mail quota usage bar is too wide and is being truncated                      |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          |                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------------------------------------------------------------------|
| 3-7926100371<br>3-7881353371<br>3-7784824811<br>3-7887951871<br>3-7962088701<br>3-7824190391<br>3-7883552311<br>3-7906267991<br>3-7901584081<br>3-7900236492<br>3-7899416381<br>3-7940774461<br>3-7953618711<br>3-7831923421<br>3-7817234241<br>3-7884170901<br>3-7705499683<br>3-7714566161<br>3-7706041821<br>3-7719428311<br>3-7710714941<br>3-7714388078<br>3-7697233311<br>3-7702224141<br>3-7731922721<br>3-7791996921<br>3-7764832951<br>3-7720475071<br>3-7803933071<br>3-7830637061<br>3-7816491411<br>3-7785392191<br>3-7784407231<br>3-7803086711<br>3-7800571711<br>3-7735045371<br>3-7729018161<br>3-7719637551<br>3-8023066331<br>3-8047434261<br>3-8047012999<br>3-8047712591<br>3-8063441301<br>3-8053073421<br>3-8078289381<br>3-8045123431<br>3-8097456589<br>3-8046123341<br>3-8023586179<br>3-8018098681<br>3-8046583461<br>3-8069807521<br>3-8047120678<br>3-8135413571<br>3-8063905762<br>3-7790821681<br>3-8079080211 | 17336270 | Convergence does not load in Chrome 29 - node.getAttribute is not a function |
| 3-7052018771                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 17365063 | No caltab for user with relationship to non existing calendar error 20       |

|                                                                              |          |                                                                                           |
|------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------------|
| 3-8945624701                                                                 | 17387712 | Chrome30: Scroll bar shown in each node of folder tree                                    |
| 3-7767717391                                                                 | 17424201 | If Reply-To contains more than one address, only the first is use...                      |
| 3-8166305496                                                                 | 17624795 | Add from Address Book: Only one of contac's email ID shown when search by first/last name |
| 3-8086463431                                                                 | 17802053 | p7m attachments cannot be saved for external viewing                                      |
| 3-8182888021<br>3-8180409601<br>3-8097456589<br>3-8203512721<br>3-8179285358 | 17882736 | login.html error on dijit.byId('langButton').attr("value", lang)                          |
| 3-8260638211                                                                 | 17979649 | Google maps not opening when hovering/clicking ViewMap if Convergence uses ht tps         |
| 3-8334596301<br>3-8388392641                                                 | 18088807 | Mail with multiple multiple CID issues                                                    |
| 3-8398126430<br>3-8398126411<br>3-8399205061<br>3-8398367551                 | 18123664 | Folder properties pop-up is not displayed when using IE9                                  |
| 3-8562048221                                                                 | 18263954 | Keyboard scrolling not working with Chrome 32                                             |
| 3-8661885801<br>3-8496516001                                                 | 18283978 | Reply / Reply All does not work when only mail service is enabled                         |
| 3-8591564141                                                                 | 18324802 | Message won't display in Convergence                                                      |
| 3-8780735641                                                                 | 18528747 | Attachments Are not Shown in Convergence                                                  |
| 3-8746682089                                                                 | 18557923 | When current language not available for spellcheck use English                            |
| 3-8989248951<br>3-8875051871                                                 | 18641842 | Message with incorrect content-id not displayed at all                                    |
| 3-9063682581                                                                 | 18692040 | Additional encoding required for AB contact personal information fields                   |
| 3-9063915910                                                                 | 18712037 | Additional encoding required when changing mail folder name                               |

## Known Problems in Convergence

The Convergence known problems are grouped in the following categories:

- [Known Problems: General and Authentication](#)
- [Known Problems: Configuration](#)
- [Known Problems: Mail](#)
- [Known Problems: Calendar](#)
- [Known Problems: Address Book](#)
- [Known Problems: Instant Messaging](#)
- [Known Problems: Options](#)
- [Known Problems: Advertising](#)
- [Known Problems: Social](#)
- [Known Problems: Voice, Video, and Screen Sharing](#)
- [Known Problems: Customization](#)
- [Known Problems: S/MIME](#)
- [Known Problems: Documentation](#)



## Known Problems: General and Authentication

**Reloading the page causes the Mail tab to be displayed, no matter which tab was displayed originally.**

SR number: NA  
Bug number: 12213298 (SUNBT6610071)

For example, if you are viewing the Address Book and reload the page, the Mail view is displayed.

## Known Problems: Configuration

### **init -config Displays Warning with Latest JDK in Linux**

SR number: NA  
Bug number: 18234184

```
Java HotSpot(TM) Server VM warning: You have loaded library
/opt/sun/comms/iwc/lib/libsetupSDKJNI.so which might have disabled stack
guard. The VM will try to fix the stack guard now. It's highly
recommended that you fix the library with 'execstack -c <libfile>', or
link it with '-z noexecstack'. Finished Loading Default Properties...
```

## Known Problems: Mail

### **Email subject search does not work when search string contains space**

SR number: NA  
Bug number: 12297417 (SUNBT6965282)

How search is enabled for Convergence may yield different results. The results returned by an IMAP SEARCH will differ depending on whether or not Messaging Server is configured with `service.imap.indexer.enable` to use the Indexing and Search Service. The IMAP specification states that a SEARCH operation should ignore white space. However, the search operation by the Indexing and Search Service is done as whole-word searches.

### **Attachment Search does not work properly with CCJ character set file names**

SR number: NA  
Bug number: 12275399 (SUNBT6863476)

This issue occurs only when there are 2 or more complete characters of the file name in the search.

## Known Problems: Calendar

### **Yahoo iMIP and iTIP Invitations Do Not Properly Display in Convergence UI**

SR number: NA  
Bug number: 18760552

When a user receives an iMIP/iTIP event notification email from Yahoo, the details do not properly display. The UI message format is broken, and RSVP options do not display correctly. In addition, the event isn't added to the calendar.

Workaround: Add the channel option `wrapsmtp long lines` to control the Message Transfer Agent's (MTA) behavior when it sees illegally long lines in incoming SMTP messages.

### **Calendar Server 6: Unable to Select 'Maybe, No' RSVP Option from `invite` form in Resource Calendar**

SR number: NA  
Bug number: 16917502

Calendar Server 6 does not support this functionality.

### **Cannot add user to invitation if the user display name contains double quotes**

SR number: NA  
Bug number: 17386456

If the display name has quotes (`user1"user1`), that user cannot be added to the invitation. If a display name contains single quotes, you are able to add that user to the invitation.

### **Yahoo invitee responds, but LackOfPerm shown while editing: `get_accountprops` incorrect**

SR number: NA  
Bug number: 16773937, 17388807

When a Yahoo user has been invited to an event and that Yahoo user has replied to the invitation, the organizer of the event is likely to have problems viewing the Yahoo user's response in the calendar event.

Workaround: Refer to the email with the Yahoo user's response to the invitation.

### **Even though Instant Messaging 9 provides support for event alarms in Calendar Server 7, Convergence does not support this feature.**

SR number: NA  
Bug number: NA

### **"Settings for" Label in Privacy Settings is Not Aligned Correctly for Japanese Locales**

SR number: NA  
Bug number: 13495595

If you login to Convergence with a Japanese locale and click Privacy Settings in Calendar Properties of the Calendar tab, the "Settings for" label is incorrectly aligned. The issue occurs on Firefox and Safari browsers only. On Internet Explorer, the "Settings for" label is correctly aligned.

### **A user is no longer able to send an invitation to a non-default calendar**

SR number: 3-3345530321  
Bug number: 12285898 (SUNBT6913955)

This functionality was removed. Users can invite people and resources, but not calendars or non-default calendars to meetings.

### **Anonymous Calendar Access in Calendar Server 7 Requires a minimum of Read Access for Calendar Sharing**

SR number: NA  
Bug number: 12307415 (SUNBT7016012)

A minimum of Read access for anyone is required when allowing anonymous calendar access on shared calendars in Calendar Server 7. If you do not enable Read access to anyone, you might see the following error when trying to access the calendar URL anonymously: Error 0020: Your account details could not be loaded.

### **Quick Add Functionality Does Not Work Correctly in non-English languages**

SR number: NA  
Bug number: 12270149 (SUNBT6840464)

The Convergence calendar module enables you to quickly add an event by using the quick add event functionality. This functionality enables users to create an event based on the description provided in the quick add callout. For example, if the user provides the description 1pm lunch at the Counter in the quick add callout, the event attributes that are assigned to the time, location, and title are 1pm, the Counter, and lunch respectively. However, for non-English locales, the order in which the description is typed might change as the semantics of the language might differ from English. Users are forced to provide the event description in the English language order for the quick add function to work correctly in non-English locales.

### **Safari Browser: day/week/next7days views: focus moves to midnight after event creation**

SR number: NA  
Bug number: 12774109

After creating an event, and then returning to the day/week/next7days calendar views of that event, the time shown in the UI is starting from midnight, even though the time shown in the prior view is a different time (for example, evening).

### **Convergence Does Not Allow Invitation By (Non-default) Sub-calendar**

SR number: 3-3345530321  
Bug number: 12400084

Calendar Express and Communications Express allowed invitation by user (which automatically selected the default calendar) or by calid. Convergence does not have this functionality.

### **Agenda and invitation day views show all day events on following day as well**

SR number: NA  
Bug number: 12800541

All day events are shown on the day of the event as well as on the following day in the agenda and invitations day view. '

### **Sent invitations not shown if invite in another status is present on same day**

SR number: NA  
Bug number: 12822157

If an invitation in another status (open/accepted/declined/tentative) is present, then the sent invitations for that day aren't shown in the Sent invitations Print view.

## **Known Problems: Address Book**

## **Address Book Scroll Bar is Not Working When Chrome Browser Zoom is Less Than 100%**

SR number: NA  
Bug number: 14184608

### **Convergence login fails if user has large number of pstore entries**

SR number: NA  
Bug number: 12813939

Convergence login fails if user has large number of pstore entries

Workaround:

1. Reset following convergence parameters to accommodate long LDAP command delay:

```
@ ugldap.timeout =
@ ab.storeentrieslimit
@ ab.pstore.lookthru limit
```

2. Wait for ugldap.timeout to expire then refresh the Convergence login screen.

## **Error in iwc/iwc\_admin Log after Configuring Multiple Corporate Directories**

SR number: 3-4124748511, 3-5418585761  
Bug number: 12296971 (SUNBT6963032)

After correctly configuring two corporate directories in an organization, log files show errors after restarting Application Server.

### **The Address Book Properties window displays incorrect information**

SR number: NA  
Bug number: 12864380

### **Internet Explorer 9 only: search by email/display name and phone hangs when user has more entries**

SR number: NA  
Bug number: 12887221

Search for a string by Display Name or Email ID that is not in the contact list will not return anything and hangs.

### **Safari only: Clicking on + sign in the new contact page moves the page to the left**

SR number: NA  
Bug number: 12905669

Information is not properly shown on the right side pane for new contact form when user tries to add more information by clicking on + sign under other information.

## **Known Problems: Instant Messaging**

## **You cannot configure GChat in Multinetwork IM**

SR Number: NA  
Bug Number: NA

You cannot configure Google's GTalk as an XMPP federated IM service with Convergence. Google no longer supports XMPP federation. The `imgateways.json` file in the Convergence product and the Convergence online help incorrectly refer to GTalk as a service that works or is configurable in Convergence.

## **Issues with login to Facebook gateway is using the same Convergence user in multiple sessions**

SR Number: NA  
Bug Number: 17434431

When a Convergence user is logged into more than one Convergence chat/presence session and registers to the Facebook gateway, the roster gets updated in all sessions, but the Facebook buddy presence is updated in any single session. Chat messages from Facebook are also received in this session only. Chat messages from all Convergence sessions are received in Facebook.

This will confuse the user who doesn't see the presence of the Facebook buddies and cannot receive chat messages from Facebook.

## **Even though Instant Messaging 9 provides support for event alarms in Calendar Server 7, Convergence does not support this feature**

SR number: NA  
Bug number: NA

## **Google Talk Federation Problems When Google Talk Users use Google Circles or Google Hangouts**

SR Number: NA  
Bug Number: 17299901

Google Talk federation only works with the XMPP version of Google Talk.

Because Google Hangouts does not support XMPP, it does not work with Google Talk federation and buddy roster import.

In addition, Google Talk federation and roster import does not work if buddies are just added to Google Circles and are not explicitly added to the Google Talk buddy list.

## **Known Problems: Options**

No known options issues at this time.

## **Known Problems: Advertising**

### **Advertising Doesn't Work After Upgrade**

SR Number: NA  
Bug Number: 18449572

The advertising `Plugin.js` file location changed in Convergence 3.0.0.1.0. To make sure the correct

file location is used after upgrade, replace the following line in `c11n/allDomain/js/widget/advertising/Plugin.js`:  
`iw.c.widget.addon.advertising.Plugin` with  
`c11n.allDomain.js.widget.advertising.Plugin`.

See also the topic on configuring the advertising add-on service in *Convergence System Administrator's Guide*.

## **Known Problems: Social**

### **Facebook Integration with Convergence Not Working**

SR Number: NA  
Bug Number: 18716249

Facebook integration with Convergence is not currently working due to changes Facebook made to their APIs, interfaces, and application registration approval. Oracle is exploring potential solutions and will provide an update when a solution is available.

### **Facebook Login Displaying English Screen in Non-English Locales**

SR Number: NA  
Bug Number: 16870386

After logging into Convergence as a non-English user and connecting to Facebook from the Social tab, the login screen displays English instead of the user's language. If the user logs out and logs back in, the login screen still displays English.

In addition, when a non-English user connects to Facebook Chat in multinetwork Instant Messaging, the Facebook login screen displays English instead of the user's language.

### **Error when Connecting to Facebook through the Convergence UI**

SR Number: NA  
Bug Number: 16670157

If you are using McAfee security, you might get a 403 CoachingSessionExceeded error when connecting to Facebook through the Convergence UI.

#### **Workaround**

End users should copy and paste the URL to another browser tab to give access to the restricted site.

## **Known Problems: Voice, Video, and Screen Sharing**

### **WebRTC: Conference Call is not Complete in a Defined Scenario**

SR Number: NA  
Bug Number: 18497072

Scenario: User 1 and User 2 are on a video call together. User 1 adds User 3 and before User 3 accepts the invitation, User 1 also adds User 4. User 4 accepts the invitation. User 4 will not have video access to User 3.

### **WebRTC: Participant Name Gets Added to the Participant List Even if Participant Rejects Call Request**

SR Number: NA

Bug Number: 18791308

**WebRTC: After Hanging up from a PSTN Call, It Remains Established.**

SR Number: NA  
Bug Number: 18741761

**WebRTC: Chrome and Firefox: Call transfer – UI problems if User Clicks Call Transfer More than Once.**

SR Number: NA  
Bug Number: 18723157, 18722969

**WebRTC: Screensharing Continues After Call is Put on Hold**

SR Number: NA  
Bug Number: 18676752

**WebRTC: Firefox Terminates with Valid Convergence Session; WSC Login Popup Displayed on Browser Restart**

SR Number: NA  
Bug Number: 18670858

When Firefox with a valid Convergence session in progress terminates and the browser is restarted, the Convergence session is displayed and mail/calendar/AB/IM works as expected. But, a login popup to the WSC server is also displayed. Even when the user is not in the Convergence window and the popup had been dismissed previously, the popup keeps reappearing.

Workaround: The user should logout of Convergence and relogin again.

**Video Conference: Clicking on Filmstrip Video Takes More Time to Load or Not Load in Firefox**

SR Number: NA  
Bug Number: 18379769

In Firefox, in a video conference of 5 or more people, clicking on the filmstrip video takes more time to load.

**Ending Full Screen Video Call Does Not Exit Properly**

SR Number: NA  
Bug Number: 18280056

In Firefox, you see a black screen after you end a full screen video call. The user has to manually exit the screen by pressing the ESC key.

**Upgrade to Text Chat to Voice then Video: Voice Gets Lots Echo with Sound**

SR Number: NA  
Bug Number: 17875918

With WebRTC, you may hear echo or feedback from your microphone.

Workaround: Use earphones or a headset to eliminate the feedback.

## The WIT Server Does Not Work if the Convergence Main Page is Set to a Customized Location

SR Number: NA  
Bug Number: 17072512

Workaround: If you have customized the location of your `main.html` page, copy the `webcom.swf` directory from `/opt/glassfish3/glassfish/domains/domain1/docroot/iwc_static/layout/` to the same directory as your `main.html` page.

### Known Problems: Customization

#### On Chrome 30 browsers, scroll bar displays on each node of the folder tree.

SR Number: NA  
Bug Number: 17387712

The Mail tab displays a scroll bar for each component (Inbox, Trash, Sent, and Drafts) as well as for folders in the folder tree.

Workaround:

There are two methods to fixing this issue. The first and preferred method requires a customization. The second method involves editing a file.

#### Method #1 Customization

1. Enable customization in the Convergence Server.

```
./iwcadmin -o client.enablecustomization -v true
```

2. Create the following directory structure in the `appserver-domain-root/docroot/iwc_static/` directory for the customization files.

```
c11n/allDomain/layout/css/dijit
```

3. Create a css file `chrome30_scrollbar_issue.css` with following information:

```
.dijitTreeRow {
 height: auto;
}
.dijitTreeLabel {
 height: auto;
}
```

4. Create the general customization configuration file, `c11n/config.js`:



```

dojo.provide("c11n.config");

c11n.config = {

 // allDomain configuration
 allDomain: {
 module: "allDomain", // module name
 themeEnabled: false, // true if theme is
customized
 i18nEnabled: false, // true if i18n is
customized
 jsEnabled: true // true if js is
customized

 // the last entry must not end with comma

 }
}

```

5. Create the domain specific customization file `c11n/allDomain/js/customize.js`:

```

dojo.provide("c11n.allDomain.js.customize");

// Load Customized CSS File Helper
var loadCustomizedCssFile = function(url, id) {
 if (!id){
 id = url.replace(/\.\/gm, "").replace(/\/gm,
 "_").replace(/\/gm, "_");
 }
 var link = window.document.getElementById(id);
 if (! link) {
 link = window.document.createElement("link");
 link.setAttribute("id", id);
 link.setAttribute("type", "text/css");
 link.setAttribute("rel", "stylesheet");
 var head =
window.document.getElementsByTagName("head")[0];
 head.appendChild(link);
 }

 link.setAttribute("href", url + "?" + djConfig.cacheBust);
}

// Load customized css file c11n_icons
loadCustomizedCssFile("../c11n/allDomain/layout/css/dijit/chrome30_scroll

```

6. Restart Glassfish Server.

## Method 2: Edit a Configuration File

1. Edit  
`<glassfish_home>/glassfish/domains/domain1/docroot/iwc_static/layout/css/`
2. In `dijitTreeRow` class selector, remove the height attribute:

```
.dijitTreeRow {
 overflow-x: hidden;
 display: block;

 height: 18px;<----This line
 padding: 1px 0 0 0;
}
```

3. In `dijitTreeLabel` class selector, remove height the attribute.

```
.dijitTreeLabel {
 color: #333;
 display: inline-block;
 height: 15px;<----This line
 padding-top: 1px;
 margin: 0 0 0 10px;
 border: 0px #000 dotted;
}
```

4. Clear browser cache and reload.

## Beginning with Convergence 2 Patch 4, the French Version of the Convergence UI is Different from Previous Versions

SR number: 3-7018562123

Bug number: 16599121

To change "Calendrier" to "Agenda," edit the respective key/values in the French resources file. To edit the resources .js file, refer to the topic on changing names and labels in the Convergence UI in *Convergence Customization Guide*.

The following key/values correspond to the reported labels in this bug:

```
"calendar_btn": "Calendrier"
"calendar": "Calendrier"
"agenda": "Agenda"
```

## Default format for IWCP commands still in XML and invalid commands return XML only

SR number: NA

Bug number: 12807684

Response of invalid commands with explicit `fmt-out=text/json` only return XML.

## When adding a new right-to-left language such as Arabic or Hebrew to Convergence, the UI text is not right-to-left

SR number: 1-473996841, 1-584006005, 1-622051802

Bug number: 12247522 (SUNBT6745772)

This issue occurs if you enable customization and perform the steps to add a custom language to

Convergence, then log in as a user created in LDAP with a language preference set to the custom language (for example, Arabic). The UI displays text and aligns widgets left-to-right instead of right-to-left.

### **When adding a new language to Convergence, it hangs if no resources . js file is directly under the allDomain directory**

SR number: NA

Bug number: 12247514 (SUNBT6745757)

This issue occurs if you enable customization and perform the steps to add a custom language to Convergence, creating a directory structure as shown in this example:

```
/iwc_static/c11n/allDomain/nls/
/iwc_static/c11n/allDomain/nls/<new language>/
/iwc_static/c11n/allDomain/nls/<new language>/resources.js
```

In this situation, Convergence does not load the files; it does not bring up the UI.

**Workaround:** Add an empty resources . js file directly under the /iwc\_static/c11n/allDomain/nls/ directory. Note that you still must create the resources . js file under the /iwc\_static/c11n/allDomain/nls/<new language>/ directory. For example:

```
/iwc_static/c11n/allDomain/nls/
/iwc_static/c11n/allDomain/nls/resources.js
/iwc_static/c11n/allDomain/nls/<new language>/
/iwc_static/c11n/allDomain/nls/<new language>/resources.js
```

## **Known Problems: S/MIME**

### **When using S/MIME on Windows Vista with JDK6u1.1, the browser hangs for smart card users if the first message in the user's inbox is encrypted**

SR number: NA

Bug number: 12256501 (SUNBT6781802)

After the user logs in, as soon as the inbox loads, it tries to decrypt the first message and tries to access the Private key of the user from the smart card. The browser hangs and the user cannot perform any further operations.

## **Known Problems: Documentation**

### **Online Help: Show Next Topic is Not Working for Some Modules**

SR Number: NA

Bug Number: 16976935

On Chrome and Safari browsers, some content in the online help is cut off if the left navigational pane is closed.

## **Documentation Updates**

### **Finding WebRTC and Convergence Integration Documentation**

For WebRTC and Convergence integration documentation, see the topic on integrating Convergence with WSC to enable WebRTC services in *Convergence System Administrator's Guide*.

## **Documentation on Oracle Technology Network (OTN)**

The Unified Configuration Suite documentation is migrating from wikis.oracle.com to Oracle Technology Network. Contacts Server, Instant Messaging Server, and Connector for Microsoft Outlook documentation is available at:

<http://www.oracle.com/technetwork/indexes/documentation/oracle-communications-185806.html>.

## **Redistributable Files for Convergence**

Convergence 3.0.0.1.0 does not contain any files that you can redistribute.

# Chapter 34. Convergence 3.0.0.1.0 Upgrade

---

## Convergence 3.0.0.1.0 Upgrade

This information describes how to upgrade to Convergence 3.0.0.1.0.

Topics:

- [Overview of Upgrading Convergence](#)
- [Upgrade Requirements](#)

## Overview of Upgrading Convergence

Upgrade to Convergence 3.0.0.1.0 by using the Communications Suite installer's `commpkg upgrade` command.

The `commpkg upgrade` command upgrades Convergence 3.0.0.0.0 to Convergence 3.0.0.1.0 with an in-place package replacement. This is an irreversible process.



### Note

Convergence can be upgraded with the Communications Suite Installer or with the Convergence 3.0.0.1.0 ARU (Automatic Release Update).

For operating system and supported platform details, see this list of [operating system and platform requirements](#).

For details of the requirements for product version compatibility in upgrading to Convergence 3.0.0.1.0, see [Product Version Compatibility Requirements](#).

## Upgrade Requirements

Before you begin, ensure that the following software is running:

- GlassFish Server domain to which Convergence is deployed.
- All services configured for Convergence must be running. This must include Directory Server and may include Messaging Server, Calendar Server, Indexing and Search Service, and Instant Messaging Server.

If this software is not running, the upgrade fails to complete the installation and deployment of the Convergence 3.0.0.1.0 package. The procedures for the upgrade are as follows:

1. [Upgrade to Convergence 3.0.0.1.0](#)
2. [Update Advertising Configuration Files \(optional\)](#)
3. [Restart GlassFish Server](#)

### 1. Upgrade to Convergence 3.0.0.1.0

1. Log in to the machine on which you have installed Convergence.
2. Unzip the Communications Suite installer zip file.
3. Use the Communications Suite installer to upgrade Convergence.

```
./commpkg upgrade
```

The command-line prompt displays the welcome message followed by the copyright information and license.

4. Type yes to accept the license agreement.  
The Communications Suite installer detects the installed components on the server and lists all the components that can be upgraded.
5. Select the number corresponding to Convergence and press Return.

## 2. Update Advertising Configuration Files (optional)

If you enabled and used advertising in Convergence 3.0.0.0, you need to update the advertising `Plugin.js` file in Convergence 3.0.0.1.0.

To make sure the correct file location is used after upgrade, replace the following line in `c11n/allDomain/js/widget/advertising/Plugin.js`:

```
iwc.widget.addon.advertising.Plugin
```

with

```
c11n.allDomain.js.widget.advertising.Plugin
```

For more information, see: [18449572](#).

## 3. Restart GlassFish Server

Restart the GlassFish server on which Convergence is deployed, so that your configuration changes can take effect. You need to specify the GlassFish domain in which Convergence is deployed. In the following example, the domain is `domain1`:

```
/root/glassfish3/bin/asadmin restart-domain domain1
```

# Chapter 35. Installation Scenario - Convergence

## 3.0.0.1.0

---

### Installation Scenario - Convergence 3.0.0.1.0

Topics:

- [Assumptions](#)
- [Which Software Components and Downloads Do You Need?](#)
- [Which Task Sequence Do You Follow?](#)

### Assumptions

This scenario shows how to install an instance of Convergence 3.0.0.1.0 on a separate host or Solaris zone. The scenario makes these assumptions:

- You are deploying Communications Suite on multiple hosts or Solaris zones.
- The Convergence instance you are installing is one functional component of your multi-host deployment.
- The Communications Suite servers (Messaging Server, Calendar Server, Instant Messaging) are installed on separate hosts.

If you are distributing multiple instances of Convergence 3.0.0.1.0 on several hosts, follow these instructions for each host on which you install Convergence.



#### Note

This scenario describes how to install the software that should run on the same host as Convergence.

### Which Software Components and Downloads Do You Need?

For a list of all the products required for Convergence, including those installed on other hosts, see [Product Version Requirements for Convergence 3.0.0.1.0](#).

To download the software, see [Get the Software to Install Communications Suite 7.0.6](#).



#### Note

Starting with Communications Suite 7 Update 3, the Communications Suite installer no longer installs Java. To install Java for Communications Suite, see [Installing Java For Communications Suite 7.0.6](#).

### Convergence Support for SSO

Convergence supports the following methods for implementing Single Sign On:

- Messaging Server (Trusted Circle) SSO
- Custom or third-party SSO authentication

If you have a third-party authentication or SSO service, you can also customize the Convergence Server to create an authentication and/or SSO plug-in for that service. For details, see *Convergence System Administrator's Guide*.

## About Messaging Server Webmail Server

The best deployment practice is to place the Messaging Server Webmail Server on the same host as Convergence to provide horizontal scalability and enable smooth growth of services.

From a functional perspective, Convergence provides complete mail service when the Webmail Server is located on a different host than Convergence. Therefore, in some deployments, the Webmail Server might be located on a different host.

Other components such as the message store and MTA, Calendar Server, and Instant Messaging Server can be located on other hosts.

## Which Task Sequence Do You Follow?

### Step 1. Install GlassFish Server

For information about installing GlassFish Server, see [Oracle GlassFish Server 3.1.2 Installation Guide](#).

### Step 2. Before you install Messaging Server (Webmail Server component):

Optional: Perform this task if you are installing Webmail Server on this host.

- Make sure you do not configure conflicting port numbers on a machine when various components are running on a single machine. For a list of port numbers used by Messaging Server, see [Default Port Numbers](#).

### Step 3. Install Convergence and Webmail Server

1. [Run the Communications Suite installer](#).
2. When the Communications Suite Installer lists the components to install, choose the following components:
  - Convergence 3.0.0.1.0
  - Messaging Server 7.0.5.31.0 (64-bit version)  
Select Messaging Server only if you are installing Webmail Server on this host.
  - Index and Search Service 1.0.5.22.0
3. Make sure that the other components are not selected.

### Step 4. Configure the Webmail Server

Follow these steps if you are installing Webmail Server on this host. Otherwise, skip to [Step 5](#).

1. Use the following worksheet to gather configuration information for the Webmail Server:  
[Configuration Worksheets - Messaging Server 7.0.5.31.0](#)
2. Run the Messaging Server initial configuration program:  
`INSTALLROOT/messaging64/bin/configure`  
For detailed instructions, see [Messaging Server 7.0.5.31.0 Initial Configuration](#).
3. When the Messaging Server configure program lists the components to configure, select Webmail Server.
4. Make sure that the other components are not selected.
5. Set the following `configutil` parameters.  
The Webmail Server uses these `configutil` parameters to log in to the back-end IMAP servers:



| configutil Parameter          | Description                                                                                                                                                  |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| local.service.proxy.admin     | Default backend store administrator login name. (Restart of HTTP service required; Restart of IMAP service required).<br>Syntax: string<br>Default: admin    |
| local.service.proxy.adminpass | Default store administrator password. (Restart of HTTP service required; Restart of IMAP service required).<br>Syntax: string<br>Default: <admin.password>   |
| local.service.imapport        | Default IMAP port number for backend store servers. (Restart of HTTP service required; Restart of IMAP service required).<br>Syntax: integer<br>Default: 143 |

The Webmail Server can communicate with multiple back-end IMAP servers. If the IMAP servers use different values for these parameters are different, you must set individual configutil parameters for each host, as follows:

|                                        |
|----------------------------------------|
| local.service.proxy.admin.hostname     |
| local.service.proxy.adminpass.hostname |
| local.service.imapport.hostname        |

where *hostname* is the name of the host on which each back-end IMAP server is running.

### Examples

For one back-end IMAP server:

```
configutil -o local.service.proxy.admin -v myadmin
configutil -o local.service.proxy.adminpass -v <password>
configutil -o local.service.proxy.imapport -v 143
```

For multiple back-end IMAP servers:

```
configutil -o local.service.proxy.admin.host1.example.com -v admin1
configutil -o local.service.proxy.adminpass.host1.example.com -v
<password>
configutil -o local.service.proxy.imapport.host1.example.com -v 143

configutil -o local.service.proxy.admin.host2.example.com -v admin2
configutil -o local.service.proxy.adminpass.host2.example.com -v
<password>
configutil -o local.service.proxy.imapport.host2.example.com -v 143
```

## Step 5. Configure Convergence

1. Use the following worksheet to gather configuration information for Convergence: [Configuration](#)

#### [Worksheets - Convergence.](#)

2. If your Convergence deployment supports Instant Messaging, you must configure the Httpbind JID and Avatar JID on Instant Messaging Server. Perform this step before you run the Convergence configuration program.  
For details, see [Configure IM Components to Enable Communication with the Instant Messaging Server.](#)
3. Be sure that the back-end servers and web container are up and running:
  - Directory Server
  - Messaging Server
  - Calendar Server
  - GlassFish Server
4. Verify whether users are able to log in to the back-end servers correctly:
  - Messaging Server
  - Calendar Server
5. Run the Convergence initial configuration program:  
*INSTALLROOT/iwc/sbin/init-config*
6. When you run the initial configuration program, specify the configuration values to connect to the back-end servers supported in your Convergence deployment:
  - To support the Convergence mail component, configure values for the Webmail Server.
  - To support the Convergence calendar component, configure values for the Calendar Server.
  - To support the Convergence chat component, configure values for the Instant Messaging Server.
  - To manage Mail attachments in Convergence, configure values for the Indexing and Search Server.

For detailed instructions, see [Convergence 3.0.0.1.0 Initial Configuration.](#)

# Chapter 36. Configuration Worksheets - Delegated Administrator 7.0.0.9.0

## Configuration Worksheets - Delegated Administrator 7.0.0.9.0

Print and fill out this worksheet to use when responding to the `config-commda` script configuration options. You use `config-commda` to configure the Delegated Administrator console and utility.



### Note

Support for Access Manager is deprecated. For more information, see: [Access Manager Support Deprecation](#).

| Option                                              | Default Value                               | Fill in Your Site's Value (to Respond to the Script) |
|-----------------------------------------------------|---------------------------------------------|------------------------------------------------------|
| Directory to store the configuration and data files | <code>/var/opt/sun/comms/da</code>          |                                                      |
| DA Server Host                                      | <i>FQDN of your host</i>                    |                                                      |
| DA Server Port                                      | 8080                                        |                                                      |
| Default Domain                                      | <i>your domain</i>                          |                                                      |
| Default SSL Port                                    | 443                                         |                                                      |
| Web Container                                       | Web Server 6.x                              |                                                      |
| Install Root Directory (for DA Console)             | (Default depends on web container selected) |                                                      |
| Instance Root Directory                             | (Default depends on web container selected) |                                                      |
| Server Instance Identifier                          | <i>FQDN of your host</i>                    |                                                      |
| Virtual Server Identifier                           | <i>FQDN of your host</i>                    |                                                      |
| Web Server HTTP Port                                | 80                                          |                                                      |
| Administration Server Port                          | 4849                                        |                                                      |
| Administrator User ID                               | admin                                       |                                                      |
| Administrator Password                              | —                                           |                                                      |
| Secure Administration Server Instance?              | Unchecked                                   |                                                      |
| Default Domain Separator                            | @                                           |                                                      |
| Directory Access Mode                               | Direct LDAP                                 |                                                      |
| DA Server Web Container (if Direct LDAP is chosen)  | Web Server 6.x                              |                                                      |

|                                                                                                                                             |                                             |                                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|---------------------------------------------------|
| Access Manager Base Directory (if AM Mode is chosen)                                                                                        | /opt/SUNWam                                 |                                                   |
| Install Root Directory<br>(Default depends on web container selected in Direct LDAP mode or derived from Access Manager install in AM Mode) |                                             |                                                   |
| Access Manager Base Directory                                                                                                               | /opt/SUNWam                                 |                                                   |
| Web Container Install Root Directory (for DA Server)                                                                                        | Web Server 6.x                              |                                                   |
| Instance Root Directory                                                                                                                     | (Default depends on web container selected) |                                                   |
| Server Instance Identifier                                                                                                                  | <i>FQDN of your host</i>                    |                                                   |
| Virtual Server Identifier                                                                                                                   | <i>FQDN of your host</i>                    |                                                   |
| Web Server HTTP Port                                                                                                                        | 80                                          |                                                   |
| Administration Server Port                                                                                                                  | 4849                                        |                                                   |
| Administrator User ID                                                                                                                       | admin                                       |                                                   |
| Administrator Password                                                                                                                      | —                                           |                                                   |
| Secure Administration Server Instance?                                                                                                      | Unchecked                                   |                                                   |
| URL of Directory Server                                                                                                                     | ldap://<br><i>FQDN-of-your-host</i> :389    |                                                   |
| Bind As                                                                                                                                     | cn=Directory Manager                        |                                                   |
| Password                                                                                                                                    | —                                           |                                                   |
| DA Server Internal LDAP Username                                                                                                            | daAdmin                                     | <i>this value is hard-coded</i>                   |
| DA Server Internal LDAP Password                                                                                                            | —                                           |                                                   |
| AM Top level admin                                                                                                                          | amadmin                                     | <i>this value is hard-coded by Access Manager</i> |
| AM admin password                                                                                                                           | —                                           |                                                   |
| Access Manager Internal LDAP Auth Username                                                                                                  | amldapuser                                  | <i>this value is hard-coded by Access Manager</i> |
| AM Internal LDAP Auth Password for amldapuser                                                                                               | —                                           |                                                   |
| Organization DN                                                                                                                             | <i>o=yourDefaultDomain, o=ugrootsuffix</i>  |                                                   |
| Top Level Admin for Delegated Administrator                                                                                                 | admin                                       |                                                   |
| Password                                                                                                                                    | —                                           |                                                   |
| Load Sample Service Packages                                                                                                                | Y                                           |                                                   |
| Load Sample Organizations                                                                                                                   | Y                                           |                                                   |

|                               |                          |  |
|-------------------------------|--------------------------|--|
| Preferred Mailhost for Sample | <i>FQDN of your host</i> |  |
|-------------------------------|--------------------------|--|

# Chapter 37. Delegated Administrator 6.4 Customized Service Packages Upgrade

---

## Delegated Administrator 6.4 Customized Service Packages Upgrade

This information applies only to upgrading from Communications Services 6 2005Q4 Delegated Administrator to Delegated Administrator 6.4, and you created customized service packages in the previous release (6 2005Q4).

In Delegated Administrator 6.4, service package templates are located in a different node in the directory than they were in the 6 2005Q4 release.

For more information about preserving customized configurations during upgrades, see [Upgrading Delegated Administrator](#).

Topics:

- [Sample Class-of-Service Templates](#)
- [Customized Service Packages](#)

### Sample Class-of-Service Templates

When you run the Delegated Administrator configuration program, the previously installed sample Class-of-Service templates installed by the Delegated Administrator configuration program are upgraded automatically. (In the configuration program, you should select **Load sample service packages** in the **Service Package and Organization Samples** panel.)

If you use only the sample templates to assign service packages to users and groups, no action is required.

### Customized Service Packages

The configuration program does not upgrade customized service packages created in the 6 2005Q4 release. You must upgrade your customized service packages manually.

For information on how customized service packages are created, see the topic on creating your own service packages in *Delegated Administrator System Administrator's Guide*.

#### ***To Upgrade Customized Service Packages***

Perform the following operations on the LDAP directory:

1. Copy your service package templates from the `o=cosTemplates, o=rootsuffix` directory node to the `o=service_target, o=cosTemplates, o=rootsuffix` directory node, where `service_target` is one of the following:

```
mailuser
calendaruser
mailcalendaruser
mailgroup
calendargroup
mailcalendargroup
```

For example, if a service package template is called `myservicepackage`, and it provides mail service to users, the service package template's new dn would be `o=myservicepackage,o=mailuser,o=cosTemplates,o=rootsuffix`.

2. Remove the entries for your service package templates from the original directory node:

```
o=cosTemplates,o=<rootsuffix>
```

3. Edit each customized service package by adding the following line to the LDIF file defining the service package:

```
daServiceType:<service type> <target>
```

**Note**

If your LDIF file already contains the `daServiceType` attribute, you can skip this step.

The `daServiceType` attribute defines the type of service provided by the service package and the target for the service package. The *service* can be `mail` or `calendar`. The *target* can be `users` or `groups`.

For example:

```
daServiceType: mail user
```

The following example shows what the edited LDIF file might look like:

```
dn: cn=myservicepackage,o=mailuser,o=cosTemplates,o=mycompanysuffix
changetype: modify
replace: daServiceType
daServiceType: mail user
```

4. Use the LDAP `ldapmodify` command to update the service package in the directory.  
For example:

```
ldapmodify -D <directory manager> -w <password> -f
myservicepackagemodldif
```

where:

*directory manager* is the name of the Directory Server administrator.

*password* is the password of the Directory Service administrator.

*myservicepackagemodldif* is the name of the LDIF file containing the modifications described in the preceding steps.





# Chapter 38. Delegated Administrator 7.0.0.9.0 Customized Service Packages Upgrade

---

## Delegated Administrator 7.0.0.9.0 Customized Service Packages Upgrade

This information applies only if you are upgrading from Communications Services 6 2005Q4 Delegated Administrator, or a prior version, to Delegated Administrator for Oracle Communications Unified Communications Suite 7.0.0.9.0, and you created custom service packages in Delegated Administrator 6 2005Q4 or earlier. If you created custom service packages in the Delegated Administrator 6.4 release, you do not have to take the steps described in this section.

Starting with Delegated Administrator 6.4, service package templates are located in a different node in the directory than they were in the 6 2005Q4 release.

For more information about preserving customized configurations during upgrades, see [Preserving Delegated Administrator Customizations During Upgrades](#).

Topics:

- [Sample Class-of-Service Templates](#)
- [Customized Service Packages](#)

### Sample Class-of-Service Templates

When you run the Delegated Administrator configuration program, the previously installed sample Class-of-Service templates installed by the Delegated Administrator configuration program are upgraded automatically. (In the configuration program, you should select **Load sample service packages** in the **Service Package and Organization Samples** panel.)

If you use only the sample templates to assign service packages to users and groups, no action is required.

### Customized Service Packages

The configuration program does not upgrade customized service packages created in the 6 2005Q4 release. You must upgrade your customized service packages manually.

For information on how customized service packages are created, see *Delegated Administrator System Administrator's Guide*.

### To Upgrade Customized Service Packages

Perform the following operations on the LDAP directory:

1. Copy your service package templates from the `o=cosTemplates,o=rootsuffix` directory node to the `o=service_target,o=cosTemplates,o=rootsuffix` directory node.  
where `service_target` is one of the following:

```
mailuser
calendaruser
mailcalendaruser
mailgroup
calendargroup
mailcalendargroup
```

For example, if a service package template is called `myservicepackage`, and it provides mail service to users, the service package template's new dn would be:

```
o=myservicepackage,o=mailuser,o=cosTemplates,o=<rootsuffix>
```

2. Remove the entries for your service package templates from the original directory node:

```
o=cosTemplates,o=<rootsuffix>
```

3. Edit each customized service package by adding the following line to the LDIF file defining the service package:

```
daServiceType:<service type> <target>
```

**Note**

If your LDIF file already contains the `daServiceType` attribute, you can skip this step.

The `daServiceType` attribute defines the type of service provided by the service package and the target for the service package.

The *service* can be `mail` or `calendar`.

The *target* can be `users` or `groups`.

For example:

```
daServiceType: mail user
```

The following example shows what the edited LDIF file might look like:

```
dn: cn=myservicepackage,o=mailuser,o=cosTemplates,o=mycompanysuffix
changetype: modify
replace: daServiceType
daServiceType: mail user
```

4. Use the LDAP directory tool `ldapmodify` to update the service package in the directory. For example, you could run the following command:

```
ldapmodify -D <directory manager> -w <password> -f
myservicepackagemodldif
```

where:

*directory manager* is the name of the Directory Server administrator.

*password* is the password of the Directory Service administrator.

*myservicepackagemodldif* is the name of the ldif file containing the modifications described in the preceding steps.

# Chapter 39. Delegated Administrator 7.0.0.9.0 Initial Configuration

---

## Oracle Communications Delegated Administrator 7.0.0.9.0 Initial Configuration

The Delegated Administrator configuration program (`config-commda`) creates a new configuration with your specific requirements. This initial runtime configuration program performs minimal configuration.

After you run the program, complete the initial configuration by following the steps described in [Post-Configuration Tasks](#).

You can further customize your Delegated Administrator configuration by performing the tasks described in the topic on customizing Delegated Administrator in *Delegated Administrator System Administrator's Guide*.

You might need to perform additional configuration, as described in *Messaging Server System Administrator's Guide* or *Messaging Server Unified Configuration System Administrator's Guide*.



### Note

Support for Access Manager is deprecated. For more information, see: [Access Manager Support Deprecation](#).

Topics:

- [If You Are Upgrading from a Previous Release of Delegated Administrator](#)
- [Choose Which Components to Configure](#)
- [Run the Configuration Program](#)
- [Perform Silent Installation](#)
- [Run Delegated Administrator Console and Utility](#)
- [Post-Configuration Tasks](#)
- [Configuring GlassFish Server to Run Delegated Administrator in SSL Mode](#)
- [Configuring Web Server to Run Delegated Administrator in SSL Mode](#)

## If You Are Upgrading from a Previous Release of Delegated Administrator

If you are configuring Delegated Administrator for the first time, you can skip this section and go directly to the section, [Choose Which Components to Configure](#).

If you are upgrading to this release of Delegated Administrator from an earlier release, and you have customized your configuration, you might have to take steps to preserve your customizations.

For instructions on how to upgrade Delegated Administrator from a previous version, see [Delegated Administrator 7.0.0.9.0 Upgrade](#).

To learn how to preserve your customized configuration, see [Preserving Customized Data When You Upgrade Delegated Administrator](#).

## Choose Which Components to Configure

The third panel in the configuration program asks which Delegated Administrator components you want to configure:

- **Delegated Administrator Utility (client)**---the command-line interface invoked with `commadmin`.
- **Delegated Administrator Console**---the Delegated Administrator graphical user interface (GUI).
- **Delegated Administrator Server**---the Delegated Administrator server components required to run the Delegated Administrator utility and console.

The configuration program displays different panels depending on which components you select.

The following steps summarize the configuration choices. Each summary step (below) links you to a section (later in this article) that walks you through the actual configuration panels.

### Summary of Configuration Choices

#### 1. [Starting the Configuration](#)

Enter the information requested in these panels to begin the configuration.

#### 2. [Configuring the Delegated Administrator Utility](#)

These panels follow directly after the *Select Components to Configure* panel. They ask for information used to configure the Delegated Administrator utility. You can either use the command line utility or the GUI console to configure Delegated Administrator.

- The standard approach is to configure the Delegated Administrator utility with the other two components, the server and console, on the same machine. You must configure the Delegated Administrator utility on all machines on which you install a Delegated Administrator server.
- You can also configure the Delegated Administrator utility and console on a separate machine. On the machine on which you configure the utility and console, you would select only those components on the *Select Components to Configure* panel. In this case, you must run the configuration program again on the machine where you configure the server.

#### 3. [Configuring the Delegated Administrator Console](#)

These panels follow the panels that configure the utility.

You can choose whether or not to configure the Delegated Administrator console.

- If you configure the Delegated Administrator console and server on the same machine, you would select both the console and the server in *Select Components to Configure* panel.
- You also can configure the Delegated Administrator console and server on different machines. On the machine on which you configure the console, you would select only the console on the *Select Components to Configure* panel. The utility is selected by default; be sure it remains selected. In this case, you must run the configuration program again on the machine on which you configure the server.
- If you have not configured the server when using the command line utility, then a dialog box cautions you that you must configure the Delegated Administrator Server on another machine. The server must be configured to enable the Delegated Administrator utility and console to work. If you are using the GUI to configure, then no warning will be displayed. If you configure the console and server on different machines, the utility is configured on *both* machines.

To select a component, enter the number (1,2, or 3) or 0 to deselect it.

The configuration program displays different panels depending on which Web container you select for the console. You can deploy to one of the following Web containers:

- Oracle iPlanet Web Server 6.x [WEB]
- Oracle iPlanet Web Server 7.x [WEB7]
- Sun Java System Application Server 7.x [APP7]
- Sun Java System Application Server 8.x or higher[APP8]

If you are configuring the Delegated Administrator server and console on one machine, you will go through these instructions *twice* (once for the server, once for the console).

#### 4. [Configuring the Delegated Administrator Server](#)

These panels follow the panels that configure the console.

You can choose whether or not to configure the Delegated Administrator server on a given machine.

If you do not choose to configure the server on a given machine, the configuration program warns you that you must configure it on another machine. The server component is required for running the utility and console.

All other considerations for deploying the server are the same as those for the console, as (described in [Configuring the Delegated Administrator Console](#)).

You can select Access Mode of either Direct LDAP or Access Manager.



##### Note

**The Delegated Administrator server uses the same Web container as Access Manager.** The configuration program asks for Web container information after it asks for the Access Manager base directory. This is applicable only if you have chosen Access Manager Access Mode.

#### 5. [Completing the Configuration](#)

Enter the information requested in these panels to complete the configuration.

## Run the Configuration Program

The steps described in this section walk you through configuring Delegated Administrator.

**NOTE:** *da-base* is `/opt/sun/comms/da` by default on all platforms; use this value unless you chose a different path during installation. In Communications Suite 5, the Solaris value is: `/opt/SUNWcomm/`.

## Launching the Configuration Program

To run the configuration program, log in as (or become) root and go to the *da-base*/sbin directory. Then enter the command:

```
./config-commda
```

Once you run the `config-commda` command, the configuration program starts.

For example, in Communication Suite 5 in Solaris, the command is:  
`/opt/SUNWcomm/sbin/config-commda`.

The sections that follow lead you through the configuration panels.

## Starting the Configuration

You must enter the information requested in the first configuration-program panels.

### *To start the configuration*

#### 1. **Welcome**

The first panel in the configuration program is a welcome page. Click **Next** to continue or **Cancel** to exit.

#### 2. **Select directory to store configuration and data files**

Select the directory where you want to store the Delegated Administrator configuration and data files. The default configuration directory is `/var/da-base`. This directory should be separate from the *da-base* directory, (which is `/opt/sun/comms/da` by default).

Enter the name of the directory, or keep the default and click **Next** to continue.

If the directory does not exist, a dialog appears asking if you want to create the directory or choose a new directory. Click **Create Directory** to create the directory or **Choose New** to enter a new directory.

A dialog appears indicating that the components are being loaded. This may take a few minutes.

### 3. **Select components to configure**

Select the component or components you want to configure on the Components Panel.

- **Delegated Administrator Utility (client)**---the command-line interface invoked with `commadmin`. This component is required and is selected by default. It cannot be deselected.
- **Delegated Administrator Console**---the Delegated Administrator graphical user interface (GUI).
- **Delegated Administrator Server**---the Delegated Administrator server components required to run `commadmin` or the Delegated Administrator console.  
Click **Next** to continue, **Back** to return to the previous panel, or **Cancel** to exit.

For more information about how to choose components, see [Choose Which Components to Configure](#)

If you choose not to configure the Delegated Administrator server, a dialog box cautions you that you must configure the Delegated Administrator Server on another machine. The server must be configured to enable the Delegated Administrator utility and console to work.

## Configuring the Delegated Administrator Utility

You must configure the Delegated Administrator utility on all machines on which you install a Delegated Administrator component (server or console).

### *To configure the Delegated Administrator Utility*

#### 1. **DA Server host name and port number**

Enter the DA Server host name and port number. If you are installing the Delegated Administrator server component, you must install it on the same host as Access Manager.

Click **Next** to continue, **Back** to return to the previous panel, or **Cancel** to exit.

#### 2. **Default domain**

Enter the default domain for the Top-Level Administrator. This is the domain used when a domain is not explicitly specified by the `-n` option when executing the `commadmin` command-line utility. This is also known as the default organization. If the domain specified does not exist in the directory, it will be created.

Click **Next** to continue, **Back** to return to the previous panel, or **Cancel** to exit.

#### 3. **Default SSL port for client**

Enter the default SSL port that the Delegated Administrator utility uses.

Click **Next** to continue, **Back** to return to the previous panel, or **Cancel** to exit.

- If you chose to configure only the Delegated Administrator utility, go on to [Completing the Configuration](#)
- If you chose to configure both the Delegated Administrator console and the server, or if you chose to configure the console only, go on to [Configuring the Delegated Administrator Console](#)
- If you chose to configure the Delegated Administrator server only (together with the required Delegated Administrator utility), go on to [Configuring the Delegated Administrator Server](#)

## Configuring the Delegated Administrator Console

The configuration program now displays the following panel:

### **Select a Web Container for Delegated Administrator**

Select the Web container on which you will deploy the Delegated Administrator console. You can configure Delegated Administrator on

- Oracle iPlanet Web Server 6.x [WEB]
- Oracle iPlanet Web Server 7.x [WEB7]
- Sun Java System Application Server 7.x [APP7]
- Sun Java System Application Server 8.x or higher[APP8]

Click **Next** to continue, **Back** to return to the previous panel, or **Cancel** to exit.

This panel and the panels that follow gather information about the Web container for the Delegated Administrator console. Follow the instructions in the appropriate section:

- [Web Server 6.x Configuration](#)
- [Web Server 7.x Configuration](#)
- [Application Server 7.x Configuration](#)
- [Application Server 8.x or higher Configuration](#)

You can deploy the Delegated Administrator console and server on two different Web containers, on two different instances of the Web container, or on the same Web container.

If you chose to configure both the Delegated Administrator console and Delegated Administrator server in Panel 3, a second series of panels will ask for Web container information for the server.

Thus, you will see the Web container configuration panels twice. Follow the appropriate instructions for deploying each of the Delegated Administrator components.

**When you complete the Web container configuration panels, take one of the following actions:**

- If you chose to configure both the Delegated Administrator console and the server, go on to

#### [Configuring the Delegated Administrator Server](#)

- If you chose to configure the Delegated Administrator console only (together with the required Delegated Administrator utility), go on to

#### [Completing the Configuration](#)

### **Web Server 6.x Configuration**

If you are deploying the Delegated Administrator server or console on Web Server 6.x, follow the steps described in this section.

#### ***To Configure Web Server 6.x***

##### **1. Web Server 6.x Configuration Details**

The panel text tells you if you are providing Web Server 6.x configuration information for the Delegated Administrator server or console.

- Enter the Web Server 6.x root directory. You can browse to select the directory.
- Enter the Web Server 6.x instance identifier. This can be specified by a *host.domain* name such as *west.sesta.com*.
- Enter the virtual server identifier. This can be specified by a *https-host.domain* name such as *https-west.sesta.com*.

For more information about the Web Server 6.x instance identifier and virtual server identifier, see the Web Server documentation.

Files for the Web Server 6.x instance are stored in the *https-host.domain* directory under the Web Server 6.x installation directory, for example */opt/SUNWwbsvr/https-west.sesta.com*.

- Enter the HTTP port number that the specified virtual server listens to.



Click **Next** to continue, **Back** to return to the previous panel, or **Cancel** to exit. The configuration program checks if the values you specified are valid. If a directory or identifier is invalid or does not exist, a dialog box tells you to choose a new value. Next, the configuration program checks if a Web Server 6.x instance connection is alive. If not, a dialog box warns you that the configuration program could not connect to the specified instance and your configuration may not be completed. You can accept the specified values or choose new Web Server 6.x configuration values.

## 2. Default Domain Separator

This panel appears only if you are configuring the Delegated Administrator console. The domain separator is needed to configure the console; this information is not related to the Web container. Enter the default domain separator to be used for authentication when the user logs on. For example: @.

- If you are configuring the Delegated Administrator console, take one of the following actions:\*
- If you chose to configure both the Delegated Administrator console and the server, go on to [Configuring the Delegated Administrator Server](#)
- If you chose to configure the Delegated Administrator console only (together with the required Delegated Administrator utility), go on to [Completing the Configuration](#)
- If you are configuring the Delegated Administrator server, go on to [Step 3 in Configuring the Delegated Administrator Server](#).

## Web Server 7.x Configuration

If you are deploying the Delegated Administrator server or console on Web Server 7.x, follow the steps described in this section.

### To Configure Web Server 7.x

#### 1. Web Server 7.x Configuration Details

The panel text tells you if you are providing Web Server 7.x configuration information for the Delegated Administrator server or console.

- Enter the Web Server 7.x server root directory. The Web Server software files are installed in this directory. You can browse to select the directory. The default value is `/opt/SUNWwbsvr7`.
- Enter the Web Server 7.x configuration root directory. The Web Server configuration files are installed in this directory. You can browse to select the directory. The default value is `/var/opt/SUNWwbsvr7`.
- Enter the Web Server 7.x instance identifier. This can be specified by a *host.domain* name such as `west.sesta.com`.
- Enter the virtual server identifier. This can be specified by a *host.domain* name such as `west.sesta.com`.  
For more information about the Web Server 7.x instance identifier and virtual server identifier, see the Web Server documentation.  
Files for the Web Server 7.x instance are stored in the `https-host.domain` directory under the Web Server 7.x configuration directory, for example `/var/opt/SUNWwbsvr7/https-west.sesta.com`.
- Enter the HTTP port number that the specified virtual server listens to. For example: 80.  
Click **Next** to continue, **Back** to return to the previous panel, or **Cancel** to exit. The configuration program checks if the values you specified are valid. If a directory or identifier is invalid or does not exist, a dialog box tells you to choose a new value. Next, the configuration program checks if a Web Server 7.x instance connection is alive. If not, a dialog box warns you that the configuration program could not connect to the specified instance and your configuration may not be completed. You can accept the specified values or choose new Web Server 7.x configuration values.

#### 2. Web Server 7.x: Administration Instance Details

- Enter the Administration Server port number. For example: 8800
- Enter the Administration Server administrator user ID. For example: admin
- Enter the administrator user password.

If you are using a secure Administration Server instance, check the **Secure Administration Server Instance** box. If you are not, leave the box unchecked. Click **Next** to continue, **Back** to return to the previous panel, or **Cancel** to exit.

### 3. Default Domain Separator

This panel appears only if you are configuring the Delegated Administrator console. The domain separator is needed to configure the console; this information is not related to the Web container. Enter the default domain separator to be used for authentication when the user logs on. For example: @.

**If you are configuring the Delegated Administrator console, take one of the following actions:**

- If you chose to configure both the Delegated Administrator console and the server, go on to [Configuring the Delegated Administrator Server](#)
  - If you chose to configure the Delegated Administrator console only (together with the required Delegated Administrator utility), go on to [Completing the Configuration](#)
- \*If you are configuring the Delegated Administrator server: Go on to [Configuring the Delegated Administrator Server](#).

## Application Server 7.x Configuration

If you are deploying the Delegated Administrator server or console on Application Server 7.x, follow the steps described in this section.

### *To configure Application Server 7.x*

#### 1. Application Server 7.x Configuration Details

The panel text tells you if you are providing Application Server 7.x configuration information for the Delegated Administrator server or console.

Enter the Application Server installation directory. By default, this directory is /opt/SUNWappserver7.

Enter the Application Server domain directory. By default, this directory is /var/opt/SUNWappserver7/domains/domain1.

Enter the Application Server document root directory. By default, this directory is /var/opt/SUNWappserver7/domains/domain1/server1/docroot.

You can browse to select any of these directories.

Enter the Application Server instance name. For example: server1.

Enter the Application Server virtual server identifier. For example: server1.

Enter the Application Server instance HTTP port number.

Click **Next** to continue, **Back** to return to the previous panel, or **Cancel** to exit.

The configuration program checks if the directories you specified are valid. If a directory is invalid or does not exist, a dialog box tells you to choose a new directory.

Next, the configuration program checks if an Application Server instance connection is alive. If not, a dialog box warns you that the configuration program could not connect to the specified instance and your configuration may not be completed. You can accept the specified values or choose new Application Server configuration values.

#### 2. Application Server 7.x: Administration Instance Details

Enter the Administration Server port number. For example: 4848

Enter the Administration Server administrator user ID. For example: admin

Enter the administrator user password.

If you are using a secure Administration Server instance, check the **Secure Administration Server Instance** box. If you are not, leave the box unchecked.

Click **Next** to continue, **Back** to return to the previous panel, or **Cancel** to exit.

#### 3. Default Domain Separator

This panel appears only if you are configuring the Delegated Administrator console. The domain separator is needed to configure the console; this information is not related to the Web container. Enter the default domain separator to be used for authentication when the user logs on. For example: @.

#### 4. If you are configuring the Delegated Administrator console, take one of the following actions:

- If you chose to configure both the Delegated Administrator console and the server, go on to [Configuring the Delegated Administrator Server](#)
  - If you chose to configure the Delegated Administrator console only (together with the required Delegated Administrator utility), go on to [Completing the Configuration](#)
5. **If you are configuring the Delegated Administrator server:**  
Go on to  
[Configuring the Delegated Administrator Server.](#)

## Application Server 8.x or higher Configuration

If you are deploying the Delegated Administrator server or console on Application Server 8.x or higher, follow the steps described in this section.

### *To configure Application Server 8.x or higher*

#### 1. **Application Server 8.x or higher Configuration Details**

The panel text tells you if you are providing Application Server 8.x or higher configuration information for the Delegated Administrator server or console.

Enter the Application Server installation directory. By default, this directory is /opt/SUNWappserver/appserver.

Enter the Application Server domain directory. By default, this directory is /var/opt/SUNWappserver/domains/domain1.

Enter the Application Server document root directory. By default, this directory is /var/opt/SUNWappserver/domains/domain1/docroot.

You can browse to select any of these directories.

Enter the Application Server target name. For example: server.

Enter the Application Server virtual server identifier. For example: server.

#### **Note**

If you are running the config-commda program to upgrade Delegated Administrator, and you also have upgraded Application Server from version 7 to version 8.x, specify the following values for the Application Server target name and virtual server identifier:

- Target name: server1
- Virtual server identifier: server{

You must specify these values because the asupgrade utility migrates the Application Server 7 server1 instance into the Application Server 8.x or higher server1 target running under a nodeagent. However, asupgrade changes the value of the virtual server from server1 in Application Server 7 to server in Application Server 8.x or higher.

Enter the Application Server target HTTP port number.

Click **Next** to continue, **Back** to return to the previous panel, or **Cancel** to exit.

The configuration program checks if the directories you specified are valid. If a directory is invalid or does not exist, a dialog box tells you to choose a new directory.

Next, the configuration program checks if an Application Server target connection is alive. If not, a dialog box warns you that the configuration program could not connect to the specified target and your configuration may not be completed. You can accept the specified values or choose new Application Server configuration values.

**Note**

If you are deploying the Delegated Administrator server or console on Application Server 9.x, please note that the default installation directories are different from those for Application Server 8.x as follow:

Enter the Application Server installation directory. By default, this directory is /opt/SUNWappserver.

Enter the Application Server domain directory. By default, this directory is /opt/SUNWappserver/domains/domain1.

Enter the Application Server document root directory. By default, this directory is /opt/SUNWappserver/domains/domain1/docroot.

**2. Application Server 8.x or higher: Administration Instance Details**

Enter the Administration Server port number. For example: 4849

Enter the Administration Server administrator user ID. For example: admin

Enter the administrator user password.

If you are using a secure Administration Server instance, check the **Secure Administration Server Instance** box. If you are not, leave the box unchecked.

Click **Next** to continue, **Back** to return to the previous panel, or **Cancel** to exit.

**3. Default Domain Separator**

This panel appears only if you are configuring the Delegated Administrator console. The domain separator is needed to configure the console; this information is not related to the Web container.

Enter the default domain separator to be used for authentication when the user logs on. For example: @.

**4. If you are configuring the Delegated Administrator console, take one of the following actions:**

- If you chose to configure both the Delegated Administrator console and the server, go on to [Configuring the Delegated Administrator Server](#).
- If you chose to configure the Delegated Administrator console only (together with the required Delegated Administrator utility), go on to [Completing the Configuration](#).
- If you are configuring the Delegated Administrator server:\*  
Go on to [Configuring the Delegated Administrator Server](#).

## Configuring the Delegated Administrator Server

If you chose to configure the Delegated Administrator server, the configuration program displays the following panels.

**To configure Delegated Administrator Server****1. Select the Access Mode from the following options:**

- **Direct LDAP**

If you select Direct LDAP, you must choose the web container for the server.

- **Access Manager base directory**

Enter the Access Manager Base Directory. The default directory is /opt/SUNWam.

Click **Next** to continue, **Back** to return to the previous panel, or **Cancel** to exit.

The configuration program checks if a valid Access Manager base directory is specified. If not, a dialog box is displayed indicating that an existing Access Manager base directory must be selected.

**2. Next, a Web container Configuration Details panel is displayed.**

If you chose to configure the console and server, this is the second time a Web container **Configuration Details** panel appears.

The Delegated Administrator server is deployed to the same Web container as Access Manager. (You cannot choose a Web container for the Delegated Administrator server.)

Follow the instructions in the appropriate section:

- [Web Server 6.x Configuration](#)
- [Application Server 7.x Configuration](#)
- [Application Server 8.x or higher Configuration](#)

### 3. **Directory (LDAP) Server**

This panel asks for information about connecting to the LDAP Directory Server for the user/group suffix.

Enter the User and Group Directory Server LDAP URL (**LdapURL**), Directory Manager (**Bind As**), and password in the text boxes.

The Directory Manager has overall administrator privileges on the Directory Server and all Sun Java System servers that make use of the Directory Server (for example, Delegated Administrator) and has full administration access to all entries in the Directory Server. The default and recommended Distinguished Name (DN) is `cn=Directory Manager`.

Click **Next** to continue, **Back** to return to the previous panel, or **Cancel** to exit.

### 4. **DA Server Internal LDAP**

Enter the username and the password for DA Server Internal LDAP. The username is hardcoded and cannot be changed. The default username is `daAdmin`.

### 5. **Access Manager Top-Level Administrator**

Enter the user ID and password for the Access Manager Top-Level Administrator. The user ID and password are created when Access Manager is installed. The value, `amadmin`, is hard-coded in AM.

Click **Next** to continue, **Back** to return to the previous panel, or **Cancel** to exit.

### 6. **Access Manager internal LDAP authentication password**

Enter the password for the Access Manager Internal LDAP authentication user.

The authentication user name is hard-coded as `amldapuser`. It is created by the Access Manager installer and is the Bind DN user for the LDAP service.

Click **Next** to continue, **Back** to return to the previous panel, or **Cancel** to exit.

### 7. **Organization Distinguished Name (DN)**

Enter the Organization DN for the default domain. For example, if your organization DN is `o=siroe.com`, all the users in that organization will be placed under the LDAP DN `o=siroe.com`, `o=usergroup`, where `o=usergroup` is your root suffix.

By default, the configuration program adds the default domain under the root suffix in the LDAP directory.

If you want to create the default domain at the root suffix (not underneath it), delete the organization name from the DN that appears in the **Organization Distinguished Name (DN)** text box.

For example, if your organization DN is `o=siroe.com` and your root suffix is `o=usergroup`, delete "`o=siroe.com`" from the DN in the text box; leave only `o=usergroup`.

If you choose to create the default domain at the root suffix, and if you later decide to use hosted domains, it can be difficult to migrate to the hosted-domain configuration. The `config-commda` program displays the following warning:

"The Organization DN you chose is the User/Group Suffix. Although this is a valid choice, if you ever decide to use hosted domains, there will be difficult migration issues. If you do wish to use hosted domains, then specify a DN one level below the User/Group suffix."

For more information, see *Delegated Administrator System Administrator's Guide*.

Click **Next** to continue, **Back** to return to the previous panel, or **Cancel** to exit.

### 8. **Top-Level Administrator for the default organization**

Enter the user ID and password for the Top-Level Administrator that is to be created in the default domain (organization).

A **Confirm Password** field asks you to enter the password a second time.

Click **Next** to continue, **Back** to return to the previous panel, or **Cancel** to exit.

### 9. **Service Package and Organization Samples**

You can choose to add sample service packages and sample organizations to your LDAP directory.

**Load sample service packages.** Select this option if you want to use or modify sample service package templates to create your own Class-of-Service packages.

**Load sample organizations.** Select this option if you want your LDAP directory tree to contain sample provider organization nodes and subordinate organization nodes.

10. You can select:

- Both the sample service packages and the sample organizations
- Only one of these options
- Neither option

**Preferred Mailhost for Sample.** Enter the name of the machine on which Messaging Server is installed.

For example: `mymachine.siroe.com`

If you chose to load the sample organizations into your LDAP directory, you must enter a preferred mail host name for these samples.

For information about service packages and organizations, see "Delegated Administrator Overview," in the *Sun Java System Delegated Administrator Administration Guide*.

After you run the configuration program, you must modify the service package templates to create your own Class-of-Service packages. For information about this post-configuration task, see [Create Service Packages](#).

## Completing the Configuration

Take the steps described in this section to finish running the configuration program.

### *To complete the configuration*

#### 1. Ready to Configure

The verification panel displays the items that will be configured.

Click **Configure Now** to begin the configuration, **Back** to return to any previous panel to change information, or **Cancel** to exit.

#### 2. Task Sequence

A sequence of tasks being performed is displayed on the Task Sequence Panel. This is when the actual configuration takes place.

When the panel displays "All Tasks Passed" you can click **Next** to continue or **Cancel** stop the tasks from being performed and exit.

A dialog box appears reminding you to restart the Web container in order for configuration changes to take effect.

#### 3. Installation Summary

The Installation Summary panel displays the product installed and a **Details...** button that displays more information about this configuration.

A log file for the `config-commda` program is created in the `da-base/install` directory. The name of the log file is `commda-config_YYYYMMDDHHMMSS.log`, where `YYYYMMDDHHMMSS` identifies the 4-digit year, month, date, hour, minute, and second of the configuration.

Click **Close** to complete the configuration.

## Restarting the Web Container

After you complete the Delegated Administrator configuration, you must restart the Web container to which Delegated Administrator is deployed.

## Configuration and Log Files Deployed by the `config-commda` Program

### Configuration Files

Using the information you provided in the panels, the `config-commda` program deploys the following configuration files for the three Delegated Administrator components:

- Delegated Administrator utility:



- `cli-usrprefs.properties`

Location: `da-base/data/config`

- Delegated Administrator server:
  - `resource.properties`
- Delegated Administrator console:
  - `daconfig.properties`
  - `Resources.properties`
  - `Security.properties`
  - `logger.properties`

(The `logger.properties` file specifies the location of log files and whether or not logging is enabled. It is a configuration file, not a log file.)

The `config-commda` program deploys the configuration files to the application repository of the Web container where you deployed Delegated Administrator. For a list of the deployed locations of the files, see *Delegated Administrator System Administrator's Guide*.

For information about the properties contained in the configuration files and how to edit these properties to customize your configuration, see Chapter 4, "Customizing Delegated Administrator," in the *Sun Java System Delegated Administrator Administration Guide*.

## Log Files

The Delegated Administrator console creates a runtime log [file:]

Default log file name: `da.log`

Default location: `da-base/log`

For more information about this and other Delegated Administrator log files, see *Delegated Administrator System Administrator's Guide*.

## Perform Silent Installation

The Delegated Administrator utility initial runtime configuration program automatically creates a silent installation state file (called `saveState`). This file contains internal information about the configuration program, and is used for running silent installs.

The silent installation `saveState` file is stored in the `da-base/data/setup/commda-config_YYYYMMDDHHMMSS/` directory, where `YYYYMMDDHHMMSS` identifies the 4-digit year, month, date, hour, minute, and second of the `saveState` file.

For example, once you have run the `config-commda` program once, you can run it in silent install mode:

```
da-base/sbin/config-commda -nodisplay -noconsole -state
fullpath/saveState
```

The `fullpath` variable is the full directory path of where the `saveState` file is located.

## Run Delegated Administrator Console and Utility

### Launching the Console

The Delegated Administrator console is launched by accessing the Web container to which it is deployed.

**To launch the Delegated Administrator console**

1. Go to the following url:  
`http://host:port/dawhere`  
*host* is the Web container host machine  
*port* is the Web container port  
For example:

```
http://siroe.com:8080/da
```

The Delegated Administrator console log-in window appears.



**Note**

In previous releases of Delegated Administrator, the console was launched from the following url:  
`http://host:port/da/DA/Login` You can continue to use this url in the current release.

2. Log in to the Delegated Administrator console.

You could use the Top-Level Administrator (TLA) user ID and password specified in the Delegated Administrator configuration program. This information was requested in the following panel:

**Top-Level Administrator for the default organization**



**Note**

Values set in Access Manager can determine session time-outs when you are running the Delegated Administrator console. For information on the session time-out values, see "Session Service Attributes," in the *Sun Java System Access Manager Administration Guide*. For information on viewing these values in the Access Manager console, see "Current Sessions" in the *Sun Java System Access Manager Administration Guide*.

## Running the Command-Line Utility

You can run the Delegated Administrator utility by entering the command name, `commadmin`, from a terminal window.

**To run the command-line utility**

1. Go to the `da-base/bin/` directory.
2. Enter the `commadmin` command.  
For example, in Comm Suite 5 in Solaris: `/opt/SUNWcomm/bin/commadmin`

**Example: Using `commadmin` to search for users**

The following command searches for users in the `varrius.com` domain:

```
commadmin user search -D chris -w bolton -d varrius.com -n sesta.com
```



For details about this `commadmin` command, see [commadmin user search](#).

### ***commadmin* Return Codes**

When a `commadmin` operation success, an OK message is displayed on the command line.

If a failure occurs, the following message appears:

FAIL

<message>

Where <message> displays the error text.

## **Post-Configuration Tasks**

After you run the Delegated Administrator configuration program, you should perform the following tasks:

- [Add Mail and Calendar Services to the Default Domain](#)
- [Enforce Unique Values for Mail Attributes](#)
- [Create Service Packages](#)

Perform the following task only if you are using an LDAP directory in Schema 2 compatibility mode:

- [Add ACIs for Schema 2 Compatibility Mode](#)

### **Add Mail and Calendar Services to the Default Domain**

The `config-commda` program creates a default domain.

If you want to create users with mail service or calendar service in the default domain, you first must add mail service and calendar service to the domain.

To perform this task, use the `commadmin domain modify` command with the `-S mail` and `-S cal` options.

The following example shows how you can use `commadmin domain modify` to add mail and calendar services to the default domain:

```
commadmin domain modify -D chris -w bolton -n sesta.com -d siroe.com
-S mail,cal -H test.siroe.com
```

For `commadmin` command syntax and details, see "Chapter 5, "Command Line Utilities," in the *Sun Java System Delegated Administrator Administration Guide*.

### **Enforce Unique Values for Mail Attributes**

Messaging Server uses the following mail attributes to identify a user's email address and alternate email addresses:

- `mail`
- `mailAlternateAddress`
- `mailEquivalentAddress`

Each user's mail attributes should be unique across the directory.

The following procedure shows how to modify a Directory Server Idif file to enforce the uniqueness of these attributes. Whenever Delegated Administrator (or any LDAP tool) adds an entry or modifies a mail attribute, the Idif plug-in checks that the mail attribute values are unique. If an operation would cause two entries to have the same mail-attribute values, it is terminated.

For definitions of the mail attributes, see Messaging Server and Calendar Server Attributes in *Unified Communications Suite Schema Reference*.

#### **To enforce the uniqueness of mail attributes**

##### **Before You Begin**



##### **Note**

If you are running Directory Server 5.2 Patch 6 (Java ES Release 4) or later, follow the procedures described below.

If you are running Directory Server 5.2.4 (Java ES Release 4), you need to apply patch 5.2\_Patch\_4\_6313027 before you begin the following procedure.

If you are running an earlier version of Directory Server, you need to upgrade to Directory Server 5.2 Patch 6 or later before you begin.

To access Directory Server patches, go to <https://support.oracle.com/>.

1. Create a text file with the following lines. Replace the parameters shown in the file with values specific to your installation:  
For DSEE 7/ODSEE 11gR2:

```
dn: cn=Uniqueness in Messaging Attribute Set,cn=plugins,cn=config
objectClass: top
objectClass: nsSlapdPlugin
objectClass: ds-signedPlugin
objectClass: extensibleObject
cn: Uniqueness in Messaging Attribute Set
nsslapd-pluginPath: /opt/SUNWdsee7/lib/amd64/uid-plugin.so
nsslapd-pluginInitfunc: NSUniqueAttrSet_Init
nsslapd-pluginType: preoperation
nsslapd-pluginEnabled: on
nsslapd-pluginarg0:
attributeset=mail,mailalternateaddress,mailequivalentaddress
nsslapd-pluginarg1: dc=siroe,dc=com
nsslapd-plugin-depends-on-type: database
nsslapd-pluginId: NSUniqueAttrSet
nsslapd-pluginVersion: 11.1.1.5.0
nsslapd-pluginVendor: Oracle Corporation
nsslapd-pluginDescription: Enforce unique values among an attribute
set
```

For DSEE 6.3.1 (64-bit Solaris x86):

```
dn: cn=Uniqueness in Messaging Attribute Set,cn=plugins,cn=config
objectClass: top
objectClass: nsSlapdPlugin
objectClass: ds-signedPlugin
objectClass: extensibleObject
cn: Uniqueness in Messaging Attribute Set
nsslapd-pluginPath: /opt/SUNWdsee/ds6/lib/amd64/uid-plugin.so
nsslapd-pluginInitfunc: NSUniqueAttrSet_Init
nsslapd-pluginType: preoperation
nsslapd-pluginEnabled: on
nsslapd-pluginarg0:
attributeset=mail,mailalternateaddress,mailequivalentaddress
nsslapd-pluginarg1: dc=siroe,dc=com
nsslapd-plugin-depends-on-type: database
nsslapd-pluginId: NSUniqueAttrSet
nsslapd-pluginVersion: 6.3.1
nsslapd-pluginVendor: Sun Microsystems, Inc.
nsslapd-pluginDescription: Enforce unique values among an attribute
set
```

Change the following parameters:

- These examples show specific paths for `nsslapd-pluginPath`. If necessary, replace with the directory underneath which your Directory Server is installed. For example: `/var/opt/mps/serverroot`
  - These examples show a specific `ugldapbasedn` for `nsslapd-pluginarg1`. If necessary, replace with your root suffix. Uniqueness checking is performed on all entries underneath this suffix.
2. Stop Directory Server.
  3. Add your modified text file to the Directory Server `dse.ldif` file.

**Location of the `dse.ldif` File:**

The `dse.ldif` file is located in the following directory:

```
server_root/slapd-machine_name/config
```

where

`_server_root_` is the directory underneath which Directory Server is installed. For example: `/var/opt/mps/serverroot`

`machine_name` is the name of the host machine where Directory Server is installed.

**Where to Add Your Text File:**

Add your text file after the `uid uniqueness` section of the `dse.ldif` file. The first line of this section (the `dn`) is as follows:

```
dn: cn=uid uniqueness,cn=plugins,cn=config
```

4. Restart Directory Server.  
When Directory Server starts, it installs the modified `dse.ldif` file in the directory.

### Troubleshooting

If Directory Server does not start because the `dse.ldif` file has generated an error, check the values you used to replace the parameters in the sample text file. Your LDAP root suffix and the Directory

Server installation path and host machine must be correct for your installation.

If Directory Server still does not start, you can, as a last resort, remove the text file from the `dse.ldif` file and restart Directory Server.

## Create Service Packages

Each user and group provisioned in the LDAP directory with Delegated Administrator should have a service package. A user or group can have more than one service package. For more information, see "Creating Service Packages" in *Delegated Administrator System Administrator's Guide*.

## Add ACIs for Schema 2 Compatibility Mode

If you are using an LDAP directory in Schema 2 compatibility mode, you must manually add ACIs to the directory to enable Delegated Administrator to provision in your directory. Take the following steps:

### To add ACIs for Schema 2 compatibility mode

1. Add the following two ACIs to the OSI root. You can find the following two ACIs in the `usergroup.ldif` file, located in the `da-base/config` directory. Be sure to replace `ugldapbasedn` with your usergroup suffix. Add the edited `usergroup.ldif` into the LDAP directory.

```
#
acis to limit Org Admin Role
#
#####
dn: <local.ugldapbasedn>
#####
dn: <ugldapbasedn>
changetype: modify
add: aci
aci: (target="ldap:///($dn),<ugldapbasedn>")(targetattr="*")
(version 3.0; acl "Organization Admin Role access deny to org
node";
deny (write,add,delete) roledn = "ldap:///cn=Organization Admin
Role,($dn),<ugldapbasedn>";)
```

```
dn: <ugldapbasedn>
changetype: modify
add: aci
aci: (target="ldap:///($dn),<ugldapbasedn>")(targetattr="*")
(version 3.0; acl "Organization Admin Role access allow read
to org node";
allow (read,search) roledn = "ldap:///cn=Organization Admin
Role,($dn),<ugldapbasedn>";)
```

2. Add the following two ACIs to the DC Tree root suffix. You can find the following two ACIs in the `dctree.ldif` file, located in the `da-base/lib/config-templates` directory. Be sure to replace `dctreebasedn` with your DC Tree root suffix and `ugldapbasedn` with your usergroup suffix. Add the edited `dctree.ldif` into the LDAP directory.

```
#
acis to limit Org Admin Role
#
#####
dn: <dctreebasedn>
#####
dn: <dctreebasedn>
changetype: modify
add: aci
aci: (target="ldap:///($dn),<dctreebasedn>")(targetattr="*")
(version 3.0; acl "Organization Admin Role access deny to dc node";
deny (write,add,delete) roledn = "ldap:///cn=Organization Admin
Role,($dn),<ugldapbasedn>");)
```

```
dn: <dctreebasedn>
changetype: modify
add: aci
aci: (target="ldap:///($dn),<dctreebasedn>")(targetattr="*")
(version 3.0; acl "Organization Admin Role access allow read to dc
node"; allow (read,search) roledn = "ldap:///cn=Organization Admin
Role,($dn),<ugldapbasedn>");)
```

3. Add the following additional ACIs to the DC Tree root suffix. (These ACIs are not in the `dctree.ldif` file.)

```
dn:<dctreebasedn>
changetype:modify
add:aci
aci: (target="ldap:///<dctreebasedn>")(targetattr="*")
(version 3.0; acl "S1IS Proxy user rights"; allow (proxy)
userdn = "ldap:///cn=puser,ou=DSAME Users,<ugldapbasedn>");)
```

```
dn:<dctreebasedn>
changetype:modify
add:aci
aci: (target="ldap:///<dctreebasedn>")(targetattr="*")
(version 3.0; acl "S1IS special dsame user rights for all under the
root suffix"; allow (all) userdn = "ldap:///cn=dsameuser,ou=DSAME
Users,<ugldapbasedn>");)
```

```
dn:<dctreebasedn>
changetype:modify
add:aci
aci: (target="ldap:///<dctreebasedn>")(targetattr="*")
(version 3.0; acl "S1IS Top-level admin rights";
allow (all) roledn = "ldap:///cn=Top-level Admin
Role,<ugldapbasedn>");)
```

4. Set the `com.ipplanet.am.domaincomponent` property in the `AMConfig.properties` file to your DC Tree root suffix.  
For example, modify the following lines in the `<AM_base_directory`

- ```
>/lib/AMConfig.properties [file:]
from
com.ipplanet.am.domaincomponent=o=isp
to
com.ipplanet.am.domaincomponent=o=internet
```
5. Enable Access Manager to use compatibility mode.
In the Access Manager Console, in the Administration Console Service page, check (enable) the **Domain Component Tree Enabled** check box.
 6. Add the inetdomain object class to all the DC Tree nodes (such as dc=com, o=internet), as in following example:

```
/var/mps/serverroot/shared/bin 298% ./ldapmodify
-D "cn=Directory Manager" -w password
dn: dc=com,o=internet
changetype: modify
add: objectclass
objectclass: inetdomain
```

7. Restart the Web container.

Configuring GlassFish Server to Run Delegated Administrator in SSL Mode

If you have deployed the Delegated Administrator console to GlassFish Server 2.1.1, you can run the Delegated Administrator console in SSL mode, over a secure port.

To enable the Delegated Administrator console and utility to use SSL access:

1. Edit the daconfig.properties file, located in the *da-base* /data/da/WEB-INF/classes/com/sun/comm/da/resources directory.
2. Change the property values as follows:

```
commadminserver.port=<port>
commadminserver.usessl=true
```

where *port* is the HTTPS port, for example 8181.

3. Deploy the Delegated Administration Console web application to GlassFish by running the deploy script.
For example:

```
<da-base>/sbin/config-appsvr8x-da deploy
```

Configuring Web Server to Run Delegated Administrator in SSL Mode

If you have deployed the Delegated Administrator console to Web Server 6 or Web Server 7.x, you can run the Delegated Administrator console in SSL mode, over a secure port.

If the Delegated Administrator server is deployed to Web Server 6 or Web Server 7.x, you can run the Delegated Administrator utility (commadmin) in SSL mode.

To enable the Delegated Administrator console and utility to use SSL access:

- For the console, complete all the steps in the SSL-configuration procedure.
- For the utility, you only have to complete Step 1 in the SSL-configuration procedure. Use the `-s` option with the `comadmin` commands to run in SSL mode.

For Web Server 6, follow this procedure:

- [To Configure Web Server 6 to Enable Delegated Administrator to Run in SSL Mode](#)

For Web Server 7.x, follow this procedure:

- [To Configure Web Server 7.x to Enable Delegated Administrator to Run in SSL Mode](#)

To Configure Web Server 6 to Enable Delegated Administrator to Run in SSL Mode

In this procedure, the certificate truststore is created in the Delegated Administrator configuration directory. For example: `/var/da-base/config`

1. Request and install a certificate.
In a production environment, you must request a certificate from a Certificate Authority (CA), which issues the certificate to you. Next, you install the certificate.
In a test environment, you can create and install a self-signed certificate.
For information about requesting and installing certificates for Web Server 6, see "Using Certificates and Keys" in the *Oracle iPlanet Web Server 6.1 SP6 Administrator's Guide*.
After you complete this step, you can run the Delegated Administrator utility in SSL mode.
2. Export the specific certificate in ASCII encoding.
For example:

```
/opt/SUNWwbsvr/bin/https/admin/bin/certutil -L -n Server-Cert -d \
-P https-<host>.<domain-host>-
/opt/SUNWwbsvr/alias -a > /tmp/host.cert
```

where

- `Server-Cert` is the default name created by the Administration interface
 - `host` is the host name of the machine where Web Server 6 is running. For example: `myhost`.
 - `host.domain` is the host and domain name of the machine where Web Server 6 is running. For example: `myhost.siroe.com`.
3. Use the Java `{keytool}` utility to import the certificate into a truststore.
This step assumes that you are creating a new truststore in the Delegated Administrator configuration directory.
Import the certificate.
For example:

```
cd /var/da-base/config
keytool -import -alias Server-Cert -file /tmp/host.cert
-keystore truststore
```

Enter a password when the `keytool` prompts you for one.

4. Define the `ssl.truststore` property in the JVM Setting for the Web Server 6 instance configuration.
For example:

```
-Djavax.net.ssl.trustStore=/var/da-base/config/truststore
Djavax.net.ssl.trustStorePassword=password
```

where *password* is the password you entered at the `keytool` prompt.

5. Modify the following property in the JVM Setting for the Web Server 6 instance configuration. Change

```
-Djava.protocol.handler.pkgs=com.iplanet.services.comm
```

to the following value:

```
-Djava.protocol.handler.pkgs=com.sun.identity.protocol
```

6. Change the following properties in the `daconfig.properties` file:
Open the `daconfig.properties` file in a text editor.
The `daconfig.properties` file is located by default in the Delegated Administrator configuration directory:

```
da-base/data/da/WEB-INF/classes/com/sun/comm/da/resources
```

(In a later step, you will deploy the `daconfig.properties` file to the Web Server 6 configuration directory.)

Change the property values as follows:

```
commadminserver.host=host.domaincommadminserver.port=port
commadminserver.usssl=true
```

where *host.domain* is the host and domain name of the machine where Web Server 6 is running. For example: `myhost.siroe.com`.

And where *port* is the SSL port. For example: 443.

7. Deploy the Web Server 6 configuration and restart the instance:
Run the Web Server 6 deploy script:

```
da-base/sbin/config-wbsvr-da
```

Restart the Web Server 6 instance.

To Configure Web Server 7.x to Enable Delegated Administrator to Run in SSL Mode

In this procedure, the certificate truststore is created in the Delegated Administrator configuration directory. For example: `/var/da-base/config`

1. Request and install a certificate.
In a production environment, you must request a certificate from a Certificate Authority (CA), which issues the certificate to you. Next, you install the certificate.
In a test environment, you can create and install a self-signed certificate.

For information about requesting and installing certificates for Web Server 7.x, see [Managing Certificates in Sun Java System Web Server Administrator's Guide](#).

After you complete this step, you can run the Delegated Administrator utility in SSL mode.

2. Run the `certutil` utility to list all certificates in the certificate database.

For example:

```
cd /var/da-base/config/usr/sfw/bin/certutil -L -d
/var/opt/SUNWwbsvr7/https-host.domain/config
```

where *host.domain* is the host and domain name of the machine where Web Server 7.x is running.
For example: `myhost.siroe.com`

3. Export the specific certificate in ASCII encoding.

For example:

```
/usr/sfw/bin/certutil -L -n cert-host.domain -d
/var/opt/SUNWwbsvr7/https-host.domain/config-a > host.cert
```

where *host* and *host.domain* are the host name or host and domain name of the machine where Web Server 7.x is running.

4. Use the `java keytool` utility to import the certificate into a truststore.

This step assumes that you are creating a new truststore in the Delegated Administrator configuration directory.

Import the certificate.

For example:

```
keytool -import -alias cert-host.domain -file host.cert
-keystore truststore
```

Enter a password when the `keytool` prompts you for one.

5. Define the `ssl.truststore` property in the JVM Setting for the Web Server 7.x instance configuration.

For example:

```
-Djavax.net.ssl.trustStore=/var/da-base/config/truststore
-Djavax.net.ssl.trustStorePassword=password
```

where *password* is the password you entered at the `keytool` prompt.

6. Modify the following property in the JVM Setting for the Web Server 7.x instance configuration.
Change

```
-Djava.protocol.handler.pkgs=com.ipplanet.services.comm
```

to the following value:

```
-Djava.protocol.handler.pkgs=com.sun.identity.protocol
```

7. Change the following properties in the `daconfig.properties` file:
Open the `daconfig.properties` file in a text editor.
The `daconfig.properties` file is located by default in the Delegated Administrator configuration directory:

```
da-base/data/da/WEB-INF/classes/com/sun/comm/da/resources
```

(In a later step, you will deploy the `daconfig.properties` file to the Web Server 7.x configuration directory.)

Change the property values as follows:

```
commadminserver.port=portcommadminserver.usessl=true
```

where *port* is the SSL port. For example: 443.

8. Deploy the Web Server 7.x configuration and restart the instance:
Run the Web Server 7.x deploy script:

```
da-base/sbin/config-wbsvr7x-da
```

Restart the Web Server 7.x instance.

Chapter 40. Delegated Administrator 7.0.0.9.0

Release Notes

Oracle Communications Delegated Administrator 7.0.0.9.0 Release Notes



Note

Delegated Administrator 7.0.0.10.0 was released shortly after Communications Suite 7.0.6. For additional information, see the Delegated Administrator 7.0 documentation on the Oracle Documentation site at <http://www.oracle.com/technetwork/indexes/documentation/oracle-communications-185806.f>

These Release Notes contain important information available at the time of the general release of Delegated Administrator for Oracle Communications Unified Communications Suite Version 7.0.0.9.0, including:

- [About Delegated Administrator for Oracle Communications Unified Communications Suite](#)
- [New Features in This Release of Delegated Administrator](#)
- [Deprecated and Removed Features for Delegated Administrator for Oracle Communications Unified Communications Suite](#)
- [Requirements for Delegated Administrator 7.0.0.9.0](#)
- [Delegated Administrator Installation Notes](#)
- [Delegated Administrator Compatibility Issues](#)
- [Problems Fixed in This Release of Delegated Administrator](#)
- [Known Problems in Delegated Administrator](#)

About Delegated Administrator for Oracle Communications Unified Communications Suite

Delegated Administrator for Oracle Communications Unified Communications Suite enables you to provision organizations (domains), users, groups, and resources in an LDAP directory used by Communications Suite applications such as Messaging Server, Calendar Server, and Instant Messaging.

Delegated Administrator has two user interfaces:

- A utility (a set of command-line tools) invoked with the `commadmin` command
- A console (a graphical user interface) accessible through a Web browser

Online help in the Delegated Administrator console describes how to use the GUI to provision users in an LDAP directory.

With Delegated Administrator, you can provision users in an LDAP Schema 1 and Schema 2 directories. LDAP Schema 1 support is only in Direct LDAP mode while LDAP Schema 2 support can be in Access Manager or Direct LDAP mode.

For information about configuring and managing Delegated Administrator, and a description of the Delegated Administrator `commadmin` command-line tools, see *Delegated Administrator System Administrator's Guide*.

**Note**

Support for Access Manager is deprecated. For more information, see: [Access Manager Support Deprecation](#).

New Features in This Release of Delegated Administrator

There are no new features in Delegated Administrator 7.0.0.9.0.

Deprecated and Removed Features for Delegated Administrator for Oracle Communications Unified Communications Suite

Topics in this section:

- [Delegated Administrator 6.4](#)
- [Deprecated Platforms: Version 3 of Red Hat Linux \(effective in Communications Suite 6\)](#)
- [iPlanet Delegated Administrator \(effective in Communications Suite 5\)](#)

Delegated Administrator 6.4

Going forward, no new features will be added to Delegated Administrator 6.4. It has been deprecated in favor of Delegated Administrator for Oracle Communications Unified Communications Suite.

Deprecated Platforms: Version 3 of Red Hat Linux (effective in Communications Suite 6)

Support for Communications Suite (including Delegated Administrator) on the following versions of Red Hat Linux has been deprecated and may be removed in a future release:

- Red Hat Enterprise Linux Advanced Server (32- and 64-bit versions), version 3 (all updates)
- Red Hat Enterprise Linux Enterprise Server (32- and 64-bit versions), version 3 (all updates)

For information on currently supported versions of Red Hat Linux, see [Operating System Requirements](#).

iPlanet Delegated Administrator (effective in Communications Suite 5)

iPlanet Delegated Administrator has been deprecated in favor of the Delegated Administrator for Oracle Communications Unified Communications Suite. Oracle, Inc. may announce an end-of-life time line for iPlanet Delegated Administrator at a future date.

**Note**

Although iPlanet Delegated Administrator has been deprecated, the iPlanet Delegated Administrator `imadmin user purge` command has been updated to be compatible with Messaging Server 6.3. For more information about the updated command, see [Purging Users with iPlanet Delegated Administrator and Messaging Server 6.3](#).

Requirements for Delegated Administrator 7.0.0.9.0

See [Requirements for Communications Suite 7.0.6](#) and [Client Requirements](#).

Delegated Administrator Installation Notes

For the detailed steps required to install and configure Delegated Administrator, see [Installation Scenario - Delegated Administrator](#) and [Delegated Administrator 7.0.0.9.0 Initial Configuration](#).

ACI Consolidation

For large-scale installations with Access Manager, Messaging Server, and an LDAP Schema 2 directory, you might want to consolidate the Access Control Instructions (ACIs) in your directory.

When you install Access Manager with Messaging Server, a large number of ACIs initially are installed in the directory. Many default ACIs are not needed or used by Messaging Server. You can improve the performance of Directory Server and, consequently, of Messaging Server look-ups, by consolidating and reducing the number of default ACIs in the directory.

For information about how to consolidate and discard unused ACIs, see "Consolidating ACIs for Directory Server Performance" in *Delegated Administrator System Administrator's Guide*.

Delegated Administrator Compatibility Issues

The following table lists the known incompatibilities between Delegated Administrator for Oracle Communications Unified Communications Suite and earlier versions.

Delegated Administrator Compatibility Issues

Incompatibility	Impact	Comments
Access Manager in Realm Mode (version 7.x style) Note: Access Manager has two install types: Realm Mode (version 7.x style) and Legacy Mode (version 6.x style). Legacy Mode is the default.	At installation, you must choose Legacy Mode as the install type on the following panel: Access Manager : Administration (1 of 6)	If the Realm Mode install type of Access Manager is installed, you are not able to run Delegated Administrator.
Directory Server releases 5.2.4 and earlier	The Directory Server feature that enforces unique values for mail attributes is not available with versions earlier than 5.2.4.	Solution: Upgrade to Directory Server 5.2.5 or later. You also can install Directory Server 5.2.4, but you must apply patch 5.2_Patch_4_6313027. For detailed instructions, see Enforce Unique Values for Mail Attributes .

Problems Fixed in This Release of Delegated Administrator

The following bugs were fixed in Delegated Administrator 7.0.0.9.0:

Problems Fixed in Delegated Administrator 7.0.0.9.0

Service Request (SR) Number	BugDB Number	Description
NA	17741818	commadmin user delete -l uid failed with error
NA	17847210	Assign Packages crashes when clicked multiple times using DA console in Sparc
NA	17946547	Assign Packages for a user fails in DA 7 patch using Organization Admin
NA	18017168	Admin is unable to delete a calendar resource

Known Problems in Delegated Administrator

This section describes known problems with Communications Suite Delegated Administrator in the following areas:

- [Delegated Administrator Installation, Upgrade, and Configuration Problems](#)
- [Delegated Administrator Console and Command-Line Utilities](#)
- [Delegated Administrator Localization and Globalization Problems](#)

Delegated Administrator Installation, Upgrade, and Configuration Problems

Delegated Administrator Configurator Hangs When Directory Server is Installed in a Different Location

SR number: NA
Bug number: 14397971

If Directory Server is located in a different location from Delegated Administrator, the configurator hangs. Therefore, LDAP scripts such as `ldapmodify`, `ldapdelete`, and `ldapsearch` do not work.

Workarounds:

Option 1:

1. Create the directory `opt/SUNWdsee/dsee6` and create a softlink:

```
ln -s /opt/DS7/dsee7/dsrk/bin /opt/SUNWdsee/dsee6
```

2. Rerun the configurator.

Or:

Option 2:

Copy the `SUNWdsee` folder from another machine into the `/opt` directory.

Delegated Administrator Console and Command-Line Utilities

In the Delegated Administrator console, the Calendar service Advanced Rights interface is missing the calendar group double-booking option

SR number: NA
Bug number: 12250825 (SUNBT6760564)

When the group calendar account functionality was added in Calendar Server 6.3, a new bit was added to the `icsAllowRights` LDAP attribute:

bit 15 : allowGroupDoubleBook : "Double booking of group calendars"

The Delegated Administrator console is missing a field to "Allow double booking for new group calendars" by setting bit 15 of the `icsAllowedRights` attribute. (The Advanced Rights fields are in the Calendar Service section of the Organization Properties page in the Delegated Administrator console.)

Workaround:

Use the `commadmin domain create -R` or `commadmin domain modify -R` command to set the advanced rights properties (bits) in the `icsAllowRights` attribute.

When you add dynamic members to a group In the Delegated Administrator console, you cannot test a manually constructed LDAP URL

SR number: NA
Bug number: 12127916 (SUNBT6300923)

When you create a new group and add dynamic members to the group, you can either manually construct an LDAP URL or use the fields available in the drop-down menus to construct the LDAP URL. If you use the drop-down menus, you can click the Test LDAP URL button. If you manually construct the LDAP URL, this feature is disabled.

Delegated Administrator Localization and Globalization Problems

No localization issue exist for this release.

Chapter 41. Delegated Administrator 7.0.0.9.0 Upgrade

Oracle Communications Delegated Administrator 7.0.0.9.0 Upgrade

This information explains how to upgrade to Delegated Administrator 7.0.0.9.0 starting with Delegated Administrator 6.4. For versions prior to 6.4, you need to first upgrade to version 6.4 before being able to upgrade to version 7.0.0.9.0. For instructions on how to upgrade to version 6.4, see [Sun Java Communications Suite 5 Upgrade Guide, Upgrading Delegated Administrator](#).

Topics:

- [To Upgrade to Delegated Administrator 7.0.0.9.0](#)
- [Preserving Customized Data When You Upgrade Delegated Administrator](#)
- [Upgrading to Newer Updates of Delegated Administrator 7.0.0.9.0](#)

To Upgrade to Delegated Administrator 7.0.0.9.0

1. Upgrade and run `comm_dssetup.pl`, included in the Communications Suite 7.0.6 distribution, against the Directory Server.
See [commdssetup.pl](#) for more information.
2. Run the `commpkg upgrade` command.

Preserving Customized Data When You Upgrade Delegated Administrator

If you are upgrading to this release of Delegated Administrator, you might have to perform the following tasks before you configure Delegated Administrator with the `config-commda` program:

- [Preserving an Existing Customized Configuration](#)
- [Delegated Administrator 7.0.0.9.0 Customized Service Packages Upgrade](#)

Preserving an Existing Customized Configuration

This section concerns you only if you previously have installed and configured Delegated Administrator and have customized the Delegated Administrator configuration.

If you have a customized configuration and you rerun the Delegated Administrator configuration program, `config-commda`, the properties in the configuration files are reset to their default values. These files are listed in [Delegated Administrator Properties Files](#).

For information about how you can customize Delegated Administrator, see *Delegated Administrator System Administrator's Guide*.

You should preserve your customized configuration before you run the Delegated Administrator configuration program, (`config-commda`) for any reason, including:

- Upgrading Delegated Administrator
- Patching Delegated Administrator

- Rerunning the Delegated Administrator configuration program for any other reason

Delegated Administrator Properties Files

Delegated Administrator installs the following properties files:

- Delegated Administrator utility
 - `cli-usrprefs.properties`
Location: `da-base/data/config`
- Delegated Administrator console
 - `daconfig.properties`
 - `logger.properties`
 - `Resources.properties`
 - `Security.properties`
For the default location of the Delegated Administrator console files, see *Delegated Administrator System Administrator's Guide*.
- Delegated Administrator server
 - `resource.properties`
 - `serverconfig.properties`
Most of the configuration related properties are moved from `resource.properties` to the `serverconfig.properties` file.

For the default location of the `resource.properties` file, see *Delegated Administrator System Administrator's Guide*.

To Preserve an Existing Customized Configuration

1. Back up the properties files you have customized.
For a list of the properties files, see [Delegated Administrator Properties Files](#).
2. Run the `config-commdda` program, as described in the following sections.
The remaining steps use the `resource.properties` file as an example. Repeat these steps for each file you have customized.
3. Edit the new `resource.properties` file created by the `config-commdda` program, as follows:
 - a. Open the new `resource.properties` file.
 - b. Open your back-up copy of the `resource.properties` file.
 - c. Locate the properties that were customized in the back-up copy. Apply the customized values to the corresponding properties in the new `resource.properties` file.
Do not simply overwrite the new `resource.properties` file with the entire back-up copy. The new file may contain new properties created to support this release of Delegated Administrator.
4. Redeploy the edited `resource.properties` file to the Web container used by the Delegated Administrator server.
Before the change can take effect, you must run the script that deploys the customized `resource.properties` file to your Web container.
For instructions on how to deploy a customized properties file to a particular Web container, see *Delegated Administrator System Administrator's Guide*.



Note

If you have customized values in the `resource.properties` file from previous releases, ensure that the same customization is made in the new `serverconfig.properties` file.

Upgrading to Newer Updates of Delegated Administrator 7.0.0.9.0

After upgrading to Delegated Administrator 7.0.0.9.0, apply the latest patch. See [My Oracle Support](#) for patch information.

Chapter 42. Installation Scenario - Delegated Administrator 7.0.0.9.0

Installation Scenario - Oracle Communications Delegated Administrator 7.0.0.9.0

Topics:

- [Assumptions](#)
- [Which Software Components and Downloads Do You Need?](#)
- [To Install and Configure Delegated Administrator](#)

Assumptions

This scenario shows how to install Delegated Administrator for Oracle Communications Unified Communications Suite Version 7.0.0.9.0 using the following assumptions:

- You are deploying Communications Suite on multiple hosts or Solaris zones.
- Delegated Administrator is one functional component of your multi-host deployment.



Note

Support for Access Manager is deprecated. For more information, see: [Access Manager Support Deprecation](#).

Delegated Administrator and Access Manager

Delegated Administrator 7.0.0.9.0 with direct LDAP access mode no longer requires Access Manager.

Which Software Components and Downloads Do You Need?

- Communications Suite: for Delegated Administrator

Download site: [Get the Software to Install Communications Suite 7.0.6](#).



Note

Starting with Communications Suite 7 Update 3, the Communications Suite installer no longer installs Java. To install Java for Communications Suite, see [Installing Java For Communications Suite 7.0.6](#).

To Install and Configure Delegated Administrator

1. Use the following worksheet to gather configuration information: [Configuration Worksheets - Delegated Administrator](#)
2. [Run the Communications Suite installer](#).
In general, use Delegated Administrator 7.0.0.9.0 with direct LDAP access, as Delegated Administrator 7.0.0.9.0 no longer requires Access Manager. If you do use Access Manager, you

must install Delegated Administrator on the same host on which Access Manager and the web container (such as Web Server 7.x) are installed.

3. When the Communications Suite installer lists the components to install, choose the following component: Comms Delegated Administrator 7.0.0.9.0.
4. Make sure that the other components are not selected.
5. After the software installation has finished, run the Delegated Administrator initial configuration program:

```
<da-base>/da/sbin/config-commda
```

For detailed instructions, see [Delegated Administrator 7.0.0.9.0 Initial Configuration](#).

6. Restart the web container to which Delegated Administrator is deployed.

Chapter 43. Preserving Delegated Administrator Customizations During Upgrades

Preserving Delegated Administrator for Oracle Communications Unified Communications Suite Customizations During Upgrades

If you are configuring Delegated Administrator for the first time, you can skip this topic. If you have not yet performed initial configuration of Delegated Administrator, see [Delegated Administrator 7.0.0.9.0 Initial Configuration](#). If you are upgrading to this release of Delegated Administrator from an earlier release, you might have to perform the following tasks:

- [Preserving an Existing Customized Configuration](#)
- [Delegated Administrator 7.0.0.9.0 Customized Service Packages Upgrade](#)

For instructions on how to upgrade Delegated Administrator from a previous Sun Java version, see "Delegated Administrator Upgrade" in *Unified Communications Suite 6 Installation and Configuration Guide*.

Preserving an Existing Customized Configuration

This section concerns you only if you previously have installed and configured Delegated Administrator and have customized the Delegated Administrator configuration.

When you upgrade Delegated Administrator, the Delegated Administrator configuration program, config-commda runs automatically. The properties in the configuration files are reset to the default values for the new release. However, you can replace the default values with your earlier, customized configuration by following the instructions in this section.

This section contains the following topics:

- [How It Works: Merging Your Customized Configuration With the New Release](#) describes the concepts and operations for preserving your customization.
- [To Preserve an Existing Configuration](#) tells you how to preserve your customization.
- [Delegated Administrator Properties Files](#) lists the Delegated Administrator configuration files

For information about how you can customize Delegated Administrator, see *Delegated Administrator System Administrator's Guide*.

[Top](#)

How It Works: Merging Your Customized Configuration With the New Release

You can run a merge utility to preserve your customized configuration after you upgrade Delegated Administrator and run the Delegated Administrator configuration program. The merge process works as follows:

When you upgrade Delegated Administrator to the latest release, the upgrade patch process takes a snapshot of the existing configuration *before* the software is upgraded. Two versions of the existing configuration (the configuration of the earlier release) are saved:

- A snapshot of the default configuration of the earlier release ~~without user customization~~ is saved in the *da-base/data/staging/base* directory. (For example: */var/opt/sun/comms/da/staging/base.*)
- A snapshot of the customized configuration of the earlier release is saved in the *da-base/data/staging/current* directory.

Next, the upgrade process installs the new release, including the new configuration files.

When you run `config-commdda` after the upgrade, the configuration files are installed in the *da-base/data* directory. These files contain the default values for the new release, not your customized values.

Next, you can run the `damerge` utility, which merges your customized files with the new configuration. Specifically, the utility copies the *da-base/data* directory into a staging area: *da-base/data/staging/new*. The utility then performs a three-way diff on the following file sets:

- *da-base/data/staging/current*. Your customized configuration.
- *da-base/data/staging/base*. The default configuration of the earlier release.
- *da-base/data/staging/new*. The copy of the default configuration of the current release.

The `damerge` utility saves the merged files in *da-base/data/staging/new*.

The utility preserves your customization in the merged files. In rare instances, a conflict might occur between a particular customization and the default functioning of Delegated Administrator. The utility reports on these conflicts so that you can resolve them.

For details about how to run the merge utility, check for conflicts, and complete the preservation of your customized configuration, see [To Preserve an Existing Configuration](#).

To Preserve an Existing Configuration

Before You Begin

It is assumed that you have upgraded Delegated Administrator to the latest release and run `config-commdda`.

1. Run the `damerge` utility to merge your customized files with the default configuration files installed in the latest release.

Log in as root and go to the *da-base/sbin* directory (for example, */opt/sun/comms/da/sbin*). Enter the command:

```
# ./damerge
```

The utility asks whether you want to proceed with the merge operation. Type **y**.

To bypass this interactive prompt, use the `-s` option with the `damerge` command. For example:

```
# ./damerge -s
```

The utility merges your customized files into a new directory: *da-base/data/staging/new*.

2. Examine the merge reports to check if any conflicts occurred between your customized files and the newly installed configuration files.

Go to the *da-base/data/staging* directory and examine the following files:

`all.list`

Lists all files processed by the damerge utility. Shows the status of each file, as follows:

Merge indicates that the customized and newly released files were merged successfully.

Skip indicates that a file was not merged; typically, a binary file would be skipped. Text files such as the properties files are merged.

Conflict indicates that a conflict remains between the customized file and newly released file.

`conflict.list`

Lists the names of the files in which a conflict occurred.

3. If a merged file contains a conflict, resolve it by editing the differing lines.
 - a. Open the merged file in the *da-base/data/staging/new* directory.
 - b. Search for the diffs.

The merged file lists both your original customized line and the line derived from the new release. Both lines are bracketed in angle brackets:

```
<conflicting line>
<conflicting line>
```

- c. Delete one line and remove the angle brackets from the remaining line. You could also edit the remaining line to resolve the conflict correctly.
 - d. Repeat these steps for each conflict in the file.
4. Repeat Step 3 for each file that contains conflicts, until all files are successfully merged.
5. Copy the customized configuration files from:

```
da--base/data/staging/new
```

to:

```
da--base/data
```

6. Redeploy the merged files to the Web container (or containers) used by the Delegated Administrator server and console.

Before the customized values can take effect, you must run the script that deploys the resolved files to your Web container.

For instructions on how to deploy customized files to a particular Web container, see *Delegated Administrator System Administrator's Guide*.



Note

If you run `config-commda` a second time without upgrading the software, the default configuration of the new release again replaces your customized configuration. You can run `damerge` again to restore your customization from the earlier release. However, `damerge` cannot restore any customization performed *since* the upgrade.

Delegated Administrator Properties Files

Delegated Administrator installs the following properties files:

- Delegated Administrator utility
 - `cli-usrprefs.properties`

Location: *da-base/data/config*

- Delegated Administrator console
 - `daconfig.properties`
 - `logger.properties`
 - `Resources.properties`
 - `Security.properties`

For the default location of the Delegated Administrator console files, see *Delegated Administrator's System Administrator's Guide*.

- Delegated Administrator server
 - `resource.properties`

For the default location of the `resource.properties` file, see *Delegated Administrator System Administrator's Guide*.

Chapter 44. check_conf.sh 1.0.5.22.0 Usage

check_conf.sh 1.0.5.22.0 Usage

The `check_conf.sh` utility verifies that the necessary Indexing and Search Service services are running. The utility reads the `iss_base/etc/jiss.conf` file for configurations.

Location: `iss-base/bin/check_conf.sh`

Syntax

```
check_conf.sh [ -v ] [ -h ] [ -t TYPE ]
```

Options

These are the options for this command:

Option	Description
-t TYPE	Optional. Defaults to all. The type of service to check: all: All components web: Checks GlassFish configurations jmq: Checks Oracle Glassfish Message Queue configurations ldap: Checks Directory Server configurations index: Checks Index and starts Indexing services ms: Checks message store configurations
-v	Optional. Enable shell debugging.
-h	Optional. Prints help text.

Exit code 0 indicates a success.

Exit code 1 indicates a failure.

Arguments can appear in any order.

Example

The following example is for a single host installation:

```
# /opt/sun/comms/jiss/bin/check_conf.sh
No type defined (jmq, ldap, web) default to all
Hostname match found
test3.example.com:4848 (tcp) => Active
test3.example.com:80 (tcp) => Active
checking test3.example.com 389
checking test3.example.com 7676
Version string matched in headers: 101 imqbroker 4.[2-9]
test3.example.com:143 (tcp) => Active
checking test3.example.com 7676
checking test3.example.com 389
```

Chapter 45. Configuration Worksheets - Indexing and Search Service 1.0.5.22.0

[< Back to Installation Scenario - Indexing and Search Service](#)

Indexing and Search Service for Oracle Communications Unified Communications Suite 1.0.5.22.0 Worksheet

Print and fill out this worksheet to use when responding to the set up script configuration options. You use setup to configure Indexing and Search Service. Differences between legacy configuration (configutil) and Unified Configuration (msconfig) parameters are shown where applicable.

Option and Example Value	Where Defined on Messaging Server	Where Defined on ISS Server	Fill In Your Site's Value
Fully qualified domain name of this system Example: iss.example.com	Not applicable	hostname	
Base directory of the install Example: /opt/sun/comms/jiss	Not applicable	basedir	
Cluster node type for Cluster Search Service configuration, either web or index	Not applicable	iss.cluster.type	
Instance name Example: iss1	Not applicable	instance.name	
User under which all ISS services will run Example: jiss	Not applicable	iss.user	
Group under which all ISS services will run Example: jiss	Not applicable	iss.group	
Location to store the Lucene indexes Example: /var/opt/sun/comms/jiss/index	Not applicable	iss.store.dir	
Location of attachment data Example: /var/opt/sun/comms/jiss/attach	Not applicable	iss.data.dir	
Temporary directory used for processing attachments Example: /var/tmp/iss	Not applicable	iss.tmp.dir	
Location of ISS log files Example: /var/opt/sun/comms/jiss/logs	Not applicable	iss.log.dir	

User/Group Directory Server LDAP URL Example: ldap://dirhost.example.com:389	configutil parameters: local.ugldaphost and local.ugldapport msconfig parameters: base.ugldaphost and base.ugldapport	mail.ldap	
User/Group Base DN Example: dc=example,dc=com	configutil parameter: local.ugldapbasedn msconfig parameter: base.ugldapbasedn	mail.basedn	
Schema Level Example: 1	Not applicable	mail.schemalevel	
DC Tree Base DN (only required for LDAP schema 1) Example: o=internet	Not applicable	mail.dcroot	
Default LDAP port Example: 389	Overwritten if LDAP host is defined in <i>host:port</i> format	mail.ldap.port	
Messaging Server Store fully qualified host name Example: mailhost.example.com	configutil parameter: local.hostname msconfig parameter: base.hostname	mail.server	
Comma-delimited list of mail server IPs Example: 10.0.0.1, 10.0.0.2	Not applicable	mail.server.ip	
Read-only mail store administrator user name Example: indexeradmin	To be set as configutil or msconfig parameter: store.indexeradmins	mail.imap.admin.username	
Read-only mail store administrator password	To be defined in User/Group Directory	mail.imap.admin.password	
IMAP port Example: 143	Not applicable	mail.imap.port	
IMQ broker host name and port for Messaging Server JMQ notifications Example: mailhost.example.com:7676	To be defined in configutil parameters: local.store.notifyplugin.index.jmqhost and local.store.notifyplugin.index.jmqport To be defined in msconfig parameters: notifytarget:index.jmqhost and notifytarget:index.jmqport	mail.imq	
JMQ notification destination type Example: queue	To be set as configutil parameter: local.store.notifyplugin.index.destinationtype To be set as msconfig parameter: notifytarget:index.destinationtype	mail.imq.type	

JMQ notification destination name Example: INDEXMS	To be set as configutil parameter local.store.notifyplugin.index.jmqtopic To be set as msconfig parameter: notifytarget:index.jmqtopic	mail.imq.name	
Username for IMQ broker handling Messaging Server JMQ notifications Example: jmquser	To be set as configutil parameter: local.store.notifyplugin.index.jmquser To be set as msconfig parameter: notifytarget:index.jmquser	mail.imq.user	
Password for IMQ broker handling Messaging Server JMQ notifications	To be set as configutil parameter local.store.notifyplugin.index.jmqpwd To be set as msconfig parameter: notifytarget:index.jmqpwd	mail.imq.password	
Administrator password	Not applicable	mail.imq.password	
Location of the GlassFish directory Example: /opt/SUNWappserver	Not applicable	appserv.dir	
GlassFish web port Example: 8080	Not applicable	appserv.web.port	
GlassFish admin port Example: 4848	Not applicable	appserv.admin.port	
GlassFish domain Example: domain1	Not applicable	appserv.domain	
GlassFish administrative user Example: admin	Not applicable	appserv.admin.user	
GlassFish administrative user's password	Not applicable	appserv.admin.password	
ISS JMQ broker host name and port Example: jmq.example.com:7676	Not applicable	imq.host	
ISS JMQ broker user name Example: jmquser	Not applicable	iss.imq.user	
ISS JMQ broker password	Not applicable	iss.imq.password	
Administrator password	Not applicable	iss.imq.admin.password	
ISS Directory Server host and port Example: ldap.example.com:389	Not applicable	ldap.host	
ISS Directory Manager DN Example: cn=Directory Manager	Not applicable	java.naming.security.principal	

ISS Directory Server password	Not applicable	ldap.password	
Storeui access method. Either disk for a single host environment or http for a multi-host environment.	Not applicable	iss.storeui.access.method	

Chapter 46. configure_etc.pl 1.0.5.22.0 Usage

configure_etc.pl 1.0.5.22.0 Usage

The `configure_etc.pl` script is used to generate the Indexing and Search Service `iss_base/etc/jiss.conf`, `iss_base/etc/keystore.jks`, and `iss_base/etc/stowg` files. This script reads the `iss_base/etc/jiss.conf.template` file for default values. If no configuration file is provided at run time, you are prompted to enter all information. If a configuration file is provided at run time and required parameters are missing, you are prompted for a value. For more information on the Java KeyStore, see "Java KeyStore for Indexing and Search Service" in *Indexing and Search Service System Administrator's Guide*.

Requirements: Must be root user.

Location: `iss-base/bin/configure_etc.pl`

Syntax

```
configure_etc.pl [ -b <BASEDIR> ] [ -f <CONF_FILE> ] [ -l ] [ -i <FQDN> ] [ -O ] [ -A ] [ -t <TYPE> ] [ -s ] [ -S <FILE> ] [ -R <FILE> ] [ -C <FILE> ]
```

Options

These are the options for this command:

configure_etc.pl Options

Option	Description
-b <i>BASEDIR</i>	Required. Specifies the base directory of the installation.
-f <i>CONF_FILE</i>	Optional. Specifies a file from which to read configuration information for the <code>jiss.conf</code> file.
-l	Optional. Use local host for <code>jmj</code> and <code>ldap</code> host names. <code>/bin/hostname</code> must return a fully qualified domain name.
-i <i>FQDN</i>	Optional. Fully qualified domain name to use for host name.
-O	Optional. Overwrites the current <code>jiss.conf</code> , <code>keystore.jks</code> , and <code>stowg</code> files.
-A	Optional. Prompts for all configurations.
-t <i>TYPE</i>	Optional. Defaults to <code>all</code> . The type of install or uninstall to perform: <code>all</code> : All components <code>web</code> : Configures GlassFish <code>jmj</code> : Configures Oracle GlassFish Message Queue <code>ldap</code> : Configures Directory Server <code>index</code> : Configures index and starts indexing services <code>ms</code> : Configures Message Store Directory Server <code>cluster</code> : Configures a cluster
-s	Optional. Skips validation steps.
-S <i>FILE</i>	Saves information to state file.
-R <i>FILE</i>	Preserves all data and regenerates comments in file (requires <code>-f file</code> option).
-C <i>FILE</i>	Creates a cluster configuration file based on the <code>jiss.conf</code> and <code>keystore.jks</code> files.

Arguments can appear in any order.

Examples

- To generate configuration:

```
/opt/sun/comms/jiss/bin/configure_etc.pl
```

- To generate configuration by overwriting current configuration:

```
/opt/sun/comms/jiss/bin/configure_etc.pl -0
```

- To read values from a configuration file:

```
/opt/sun/comms/jiss/bin/configure_etc.pl -f my.conf
```

- To generate new configuration file and prompt for all values:

```
/opt/sun/comms/jiss/bin/configure_etc.pl -A -0
```


Chapter 47. configure_web_node 1.0.5.22.0 Usage

configure_web_node 1.0.5.22.0 Usage

The `configure_web_node` utility updates the `httpd.conf` file running under the `iss.user` and `iss.group` context to allow or deny access to the Indexing and Search Service attachment store. Use this utility only in multi-machine deployments where the attachment store is not on the same host as GlassFish Server.

Location: `iss-base/bin/configure_web_node`

Syntax

```
configure_web_node [ -a | -d ] [ IP | IP | IP ... ]
```

Options

These are the options for this command:

configure_web_node Options

Option	Description
-a	Optional. Allows access for listed IP addresses.
-d	Optional. Removes access for listed IP addresses.

Examples

- To add an IP address:

```
<iss-base>/configure_web_node -a 10.10.10.10
```

- To remove an IP address:

```
<iss-base>/configure_web_node -d 10.10.10.10
```

- To add multiple IP addresses:

```
<iss-base>/configure_web_node -a 10.10.10.10 10.10.10.11  
10.10.10.12
```

Chapter 48. Indexing and Search Service

1.0.5.22.0 Initial Configuration

[< Back to Communications Suite 7.0.6 Installation Scenario - Indexing and Search Service](#)

What You Need to Do Before Performing Indexing and Search Service 1.0.5.22.0 Initial Configuration

In Communications Suite terminology, initial configuration is not the same as initial installation. Thus, before using the information on this page, make sure that you have completed all the prerequisite steps. If you have come to this page to start your ISS 1.0.5.22.0 installation, instead start with the instructions in [Installation Scenario - Indexing and Search Service 1.0.5.22.0](#).

Indexing and Search Service for Oracle Communications Unified Communications Suite Installation 1.0.5.22.0 Initial Configuration

After you [install the Indexing and Search Search software by using the Communications Suite installer](#), you must configure the components to complete the installation. You perform this initial runtime configuration by running the Indexing and Search Service configuration program, `setup`.

Topics:

- [Running setup](#)
- [Using setup in a Multi-host Environment](#)

Running setup

Topics in this section:

- [Generating a Configuration File](#)
- [Examples](#)

Generating a Configuration File

The `setup` configuration program generates configuration files required to run the indexing services. The utility uses the `iss-base/etc/jiss.conf.template` file for default values but you are prompted for answers to various configuration questions about the Messaging Server messaging store install and the local system services. See [setup 1.0.5.22.0 Usage](#) for more information. Use the following parameter tables to help answer the configuration questions that appear when you run `setup`.

Install Type Parameters

These parameters determine the instance name and installation type.

Local Parameters

Parameter	Description	Example Setting
instance.name	Specifies ISS instance name for the node	iss1
iss.cluster.install	Specifies ISS installation type	standalone

Local Parameters

These parameters are used to configure local system settings.

Local Parameters

Parameter	Description	Example Setting
hostname	Specifies the host name for this Indexing and Search Service system (must be a fully qualified domain name)	isshost.example.com
iss.user	Specifies the user under which all ISS services run	jiss
iss.group	Specifies the group under which all ISS services run	jiss
iss.store.dir	Specifies the location in which to store the Lucene indexes	/var/opt/sun/comms/jiss/index
iss.data.dir	Specifies the location of attachment data	/var/opt/sun/comms/jiss/attach
iss.log.dir	Specifies the location of the ISS log files	/var/opt/sun/comms/jiss/logs
java.home	Specifies the location of Java software	/usr/jdk/latest

Message Store Parameters

These parameters are used to contact and operate with the Messaging Server message store.

Message Store Parameters

Parameter	Description	Example Setting
mail.ldap	Specifies User/Group Directory Server	host.example.com:389
mail.basedn	Specifies User/Group base DN (autodetected, otherwise you are prompted for value)	dc=example,dc=com
mail.schemalevel	Specifies User/Group Schema Level (autodetected, otherwise you are prompted for value)	2
mail.defaultdomain	Specifies User/Group default domain	example.com
mail.searchbind	Specifies User/Group Directory Manager DN	cn=Directory manager
mail.searchbind.password	Specifies User/Group Directory Manager password	dmpassword
mail.server	Specifies the fully qualified domain name of the default Messaging Server that is indexed	mailhost.example.com
mail.server.ip	Specifies comma-delimited list of back-end IP addresses corresponding to mail.server	10.0.0.1,10.0.0.2
mail.imap.admin.username	Specifies Messaging Server read-only store administrator user name (defined with the store.indexeradmins option)	indexeradmin
mail.imap.admin.password	Specifies Messaging Server read-only store administrator password	changeme
mail.imq	Specifies Message Queue broker <i>hostname:port</i> for Messaging Server JMQ notifications	mailhost.example.com:7676
mail.imq.user	Specifies user name for Messaging Server JMQ notifications (must match local.store.notifyplugin.index.jmquser in configutil or notifytarget:index.jmquser in msconfig)	jmquser
mail.imq.password	Specifies password for Messaging Server JMQ notifications (must match local.store.notifyplugin.index.jmqpwd in configutil or notifytarget:index.jmqpwd in msconfig)	changeme

GlassFish Server Parameters

These parameters are used to configure and deploy the .war file to GlassFish Server.

GlassFish Server Parameters

Parameter	Description	Example Setting
appserv.dir	Specifies the location of the appserver directory	/opt/SUNWappserver
appserv.admin.port	Specifies the GlassFish administrative port	4848
appserv.web.port	Specifies the GlassFish web port	8080
appserv.admin.user	Specifies the GlassFish administrative user	admin
appserv.admin.password	Specifies the GlassFish administrative user's password	changeme
appserv.searchui.enabled	Specifies whether to deploy the SearchUI web application used for testing and debugging	false

GlassFish Server Message Queue (JMQ) Service Parameters

These parameters contain information about accessing the GlassFish Server Message Queue.

GlassFish Server Message Queue (JMQ) Server Parameters

Parameter	Description	Example
imq.host	Specifies ISS JMQ broker host name and port	jm1.example.com:7676;jmq2.example.com
iss.imq.user	Specifies user name for ISS JMQ broker	misoadmin
iss.imq.password	Specifies password for ISS JMQ user	changeme
iss.imq.admin.password	Specifies password for administrative user on ISS JMQ broker	admin

Directory Service Parameters

These parameters contain information about connecting to directory services that hold the Java Naming and Directory Interface (JNDI) lookup.

Directory Service Parameters

Parameter	Description	Example Setting
ldap.enabled	Specifies ISS Directory Server host enabled	true
ldap.host	Specifies ISS Directory Server host and port	ldap.example.com:389
java.naming.security.principal	Specifies ISS Directory Manager DN	cn=Directory Manager
ldap.password	Specifies ISS Directory Server password	changeme
java.naming.security.authentication(jndi.type)	Specifies ISS Directory Server authentication type	simple

Watcher Parameters

This section contains the ISS watcher configuration.

Watcher Parameters

Parameter	Description	Example Setting
iss.watcher.enabled	Enables watcher service	false
java.args.watcher	Specifies JVM options to the watcher process	-Xmx128m
iss.watcher.interval	Specifies interval in seconds of how often the watcher service performs its checks	60
iss.watcher.timeout	Specifies amount of time in seconds service should wait for a response from a service before generating an alert	30
iss.watcher.notification.type	Type of watcher notification to use (log-only or email)	log-only
iss.watcher.notification.destination	Specifies destination email address for watcher notifications	
iss.watcher.notification.source	Specifies source (from) email address for watcher notifications	
iss.watcher.notification.mail.host	Specifies mail host and port to send messages (<i>host:port</i>)	
iss.watcher.notification.protocol	Specifies protocol to use when sending email notifications (ssl, tls, plain, or sendmail)	plain
iss.watcher.email.interval	If an alert is detected, send an email with updated alert level every <i>n</i> seconds	900
iss.watcher.email.user	Specifies user name if required to send email	
iss.watcher.log.level	Specifies watcher Service log level (from lowest to highest OFF, SEVERE, WARNING, INFO, CONFIG, FINE, FINER, FINEST, ALL	WARNING
iss.watcher.logfile.name	Specifies the Watcher Service log file name	iss-watcher.log
iss.watcher.logfile.limit	Specifies the Watcher Service log file size limit	20000000
iss.watcher.logfile.count	Specifies the Watcher Service number of log files to preserve	20
iss.watcher.logfile.formatter	Specifies the Watcher Service log file formatter	com.sun.comms.iss.common.SingleLineFormatter

ISS Services Parameters

This section contains ISS services configuration.

ISS Services Parameters

Parameter	Description	Example Setting
iss.storeui.access.method	Specifies storeui access method (disk for a single host environment, or http for a multi-host environment)	disk

Examples

```
# cd <iss-base>/bin
# ./setup -b /opt/sun/comms/jiss/
# ./setup -b /opt/sun/comms/jiss/ -c my.conf (for silent mode
configuration)
```

Using setup in a Multi-host Environment

For more information on ISS multi-host deployment planning, see the topic on ISS logical architecture in *Unified Communications Suite Deployment Planning Guide*.

Topics in this section:

- [Using a Default Configuration File](#)
- [The iss.storeui.access.method Parameter](#)
- [Install Order](#)
- [Example 1](#)
- [Example 2](#)
- [Example 3](#)
- [Additional Indexing Node Configuration](#)
- [Multiple Messaging Server Message Stores](#)

Using a Default Configuration File

All machines in the environment should have the same configuration. You should create your configuration ahead of time by using a copy of the *iss-base/etc/jiss.conf.example* file. If you concatenate the *jiss.conf* and a list of passwords, see *iss-base/bin/jks --list* to generate the configuration that you are using on all hosts. See "Java Keystore for Indexing and Search Service" in *Indexing and Search Service System Administrator's Guide* for more information.

The iss.storeui.access.method Parameter

In a multi-machine deployment, if the application server and the index reside on different hosts, you must set up an Apache server on the indexing host to provide access to the attachment store to the application server. This Apache server runs under the *iss.user* and *iss.group* credentials. If *iss.storeui.access.method* is set to *http*, the *setup* utility calls *configure_apache.sh*, which configures the Apache server to use *iss.user* and *iss.group* running on *apache.port*.

```
Storeui access method, disk for single machine, http for multi-machine
[disk]: http
```

Install Order

Run the *setup* utility in the following order for multi-machine installs:

1. *ldap* - Holds JNDI lookups
2. *ms* - Message store configuration
3. *jmq* - Requires JNDI lookups
4. *index* - Requires JNDI lookup and GlassFish Message Queue
5. *web* - Requires index services to be started
6. *watcher* - Provides local host monitoring of ISS services

When using an ISS host to perform the Directory Server function for JNDI lookups, you run the *setup*

ldap command on the ISS host, *not* on the Directory Server host (which typically serves your entire deployment). This enables the external Directory Server to host JISS's JDNI lookups. The ISS host that you use to run the command must have access to the ldapmodify and ldapsearch binaries.

Example 1

This example describes a three-machine setup:

- web.example.com - Application server (web)
- middle.example.com - Directory service and GlassFish Message Queue (ldap, jmq)
- index.example.com - JISS Indexing services (index)

The first time that setup is run on each machine, you must provide the -c <CONF_FILE> and -i <FQDN> options. Once jiss.conf and keystore.jks are configured, these options can be omitted.

Run the following commands on middle.example.com:

```
# <iss-base>/bin/setup -t ldap -c my.conf -i middle.example.com
# <iss-base>/bin/setup -t ms
# <iss-base>/bin/setup -t jmq
```

Run the following commands on index.example.com:

```
# <iss-base>/bin/setup -t index -c my.conf -i index.example.com
```

Run the following commands on web.example.com:

```
# <iss-base>/setup -t web -c my.conf -i web.example.com
```

Example 2

This example describes a two-machine setup:

- web.example.com - Application server (web)
- index.example.com - JISS Indexing services, Directory service, and GlassFish Message Queue (index, ldap, jmq)

The first time setup is run on each machine, you must provide the -c <CONF_FILE> and -i <FQDN> options. Once jiss.conf and keystore.jks are configured, these options can be omitted.

Run the following commands on index.example.com:

```
# <iss-base>/bin/setup -t ldap -c my.conf -i index.example.com
# <iss-base>/bin/setup -t ms
# <iss-base>/bin/setup -t jmq
# <iss-base>/bin/setup -t index
```

Run the following commands on web.example.com:

```
# <iss-base>/setup -t web -c my.conf -i web.example.com
```


Example 3

This example describes another three-machine:

- web.example.com - Application server (web)
- index1.example.com - JISS Indexing services (index), Directory service, and GlassFish Message Queue (ldap, jmq)
- index2.example.com - JISS Indexing services (index)

The first time setup is run on each machine, you must provide the `-c <CONF_FILE>` and `-i <FQDN>` options. Once `jiss.conf` and `keystore.jks` are configured, these options can be omitted.

Run the following commands on index1.example.com:

```
# <iss-base>/bin/setup -t ldap -c my.conf -i index1.example.com
# <iss-base>/bin/setup -t ms
# <iss-base>/bin/setup -t jmq
# <iss-base>/bin/setup -t index
```

Run the following commands on index2.example.com:

```
# <iss-base>/bin/setup -t index -c my.conf -i index2.example.com
```

Run the following commands on web.example.com:

```
# <iss-base>/setup -t web -c my.conf -i web.example.com
```

Additional Indexing Node Configuration

The Apache server must be configured to respond to requests from the web nodes' IP addresses. The default is deny. You can add and remove additional hosts by using the `configure_web_node` utility. The IP address(es) should be the IP address(es) of the hosts running the application server(s).

Add an IP address:

```
# <iss-base>/bin/configure_web_node -a 10.10.10.10
```

Remove an IP address:

```
# <iss-base>/bin/configure_web_node -d 10.10.10.10
```

Add multiple IP addresses:

```
# <iss-base>/bin/configure_web_node -a 10.10.10.10 10.10.10.11
10.10.10.12
```

Multiple Messaging Server Message Stores

If you want to index multiple Messaging Server message stores on a single ISS host, make sure that you perform the following steps:

1. Choose one of the message store hosts to be the default mail store for purposes of the Indexing and Search Service installation.

By setting up a default mail server hostname in the index, you do not need to specify it with every `issadmin.sh` command. For example, when the default hostname is `ms1.example.com`, then the following two commands are equivalent:

```
issadmin.sh --bootstrap --user user1
issadmin.sh --bootstrap --user user1 --host ms1.example.com
```

For users on the non-default message store host, you do have to specify the hostname when running the `issadmin.sh` command, for example:

```
issadmin.sh --bootstrap --user user1 --host ms2.example.com
```

2. For the `mail.server.ip` parameter, which you specify when running the setup command, type the IP addresses for all the mail store hosts (use commas to separate the IP addresses).
3. Configure the message store hosts to publish JMQ notifications to a single INDEXMS destination. You can either have all message store hosts publish to the broker running on the ISS system, or choose one of the message store hosts as the JMQ broker, then have that server connect to `localhost` for publishing notifications, and have the others connect to that server for publishing notifications.

Chapter 49. Indexing and Search Service

1.0.5.22.0 Post Configuration

Unified Communications Suite Indexing and Search Service 1.0.5.22.0 Post Configuration

This information contains procedures that you might need to run after installing and configuring Indexing and Search Service.

Topics:

- [Enabling Autoprovisioning](#)
- [Enabling Periodic Auto-sync](#)
- [Enabling Autobootstrapping of Accounts](#)
- [Enabling the Watcher Service](#)

Enabling Autoprovisioning

Autoprovisioning enables you to add new accounts to the ISS store automatically. By using autoprovisioning, you make account creation less prone to error than when manually bootstrapping accounts. However, unlike the `issadmin.sh` command, which gives you control over the group or singleton status for an account, autoprovisioning simply creates the account in the next available index group in the ISS store by using the default allocation policy. See "ISS Store Instance Overview and Concepts" in *Indexing and Search Service System Administrator's Guide* for more information about the default allocation policy.

To Enable ISS Autoprovisioning

1. Edit the `jiss.conf` file and set the `iss.autoprovision.enabled` configuration parameter to `true`.
2. Refresh the ISS configuration for the change to take place.

```
issadmin.sh --refresh
```

For more information on autoprovisioning, see "Autoprovisioning ISS Accounts" in *Indexing and Search Service System Administrator's Guide*.

Enabling Periodic Auto-sync

This feature checks every ISS account against Messaging Server accounts at regular intervals to detect differences, for example, from a reconstructed folder or lost event notifications, that ISS can then automatically correct.

To Enable Periodic Autosync

1. Edit the `jiss.conf` file and set the `iss.indexsvc.periodic.autosync.enabled` configuration parameter to `true`.
2. (Optional) Set the `iss.indexsvc.periodic.autosync.interval` configuration parameter to

specify the number of seconds to wait from the start of one period until the start of the next autosync period.

The default is 300 seconds.

3. (Optional) Set the `iss.indexsvc.periodic.autosync.count` configuration parameter to specify the number of accounts to process from the list of accounts yet to be synced during each period.

The default is 1000.

4. Refresh the ISS configuration for the change to take place.

```
issadmin.sh --refresh
```

5. For tuning suggestions, see "Other Tuning Controls of Periodic Autosync" in *Indexing and Search Service System Administrator's Guide*.

For more information on periodic autosync, see "Enabling Periodic Autosync" in *Indexing and Search Service System Administrator's Guide*.

Enabling Autobooststrapping of Accounts

Similar to the situation for active accounts described in "Overview of Periodic Automatic Synchronization" in *Indexing and Search Service System Administrator's Guide*, accounts which have not been bootstrapped or autoprovisioned may cause event notifications of changes to such accounts to fail. To correct these accounts, you can use the *autobooststrapping* feature, which is useful if you want your deployment to index uninitialized accounts under such conditions.

To Enable Periodic Autobooststrap

1. Edit the `jiss.conf` file and set the `iss.indexsvc.periodic.autobooststrap.enabled` configuration parameter to `true`.
2. (Optional) Set the `iss.indexsvc.periodic.autobooststrap.interval` configuration parameter to specify the number of seconds to wait from the start of one period until the start of the next autobooststrap period.
The default is 300 seconds.
3. (Optional) Set the `iss.indexsvc.periodic.autobooststrap.count` configuration parameter to specify the number of accounts to process from the list of accounts yet to be bootstrapped during each period.
The default is 500.
4. Refresh the ISS configuration for the change to take place.

```
issadmin.sh --refresh
```

For more information, see "Enabling Periodic Autobooststrap" in *Indexing and Search Service System Administrator's Guide*.

Enabling the Watcher Service

This feature is designed for the implementation of highly available (HA) ISS nodes, however the service itself is useful even when you do not use HA. The watcher service provides local host monitoring of ISS services and alerts you, with log file messages and email warnings, when it detects a service outage. Once alerted, you can take the appropriate corrective action, such as restarting a service.

To Enable the ISS Watcher Service

1. To enable the watcher service on an ISS node, configure the appropriate `iss.cluster` and `iss.watcher` parameters in the `jiss.conf` file as described in "Administering the ISS Watcher Service" in *Indexing and Search Service System Administrator's Guide*.
2. Configure the watcher service.

```
<iss-root>/bin/watchermgr.sh -a -b /opt/sun/comms/jiss
```

See [Indexing and Search Service 1.0.5.22.0 Initial Configuration](#) for a list of watcher parameters that you can configure.

Chapter 50. Indexing and Search Service

1.0.5.22.0 Release Notes

Indexing and Search Service for Oracle Communications Unified Communications Suite 1.0.5.22.0, 1.0.5.23.0, and 1.0.5.24.0 Release Notes

Topics:

- [About Indexing and Search Service](#)
- [New Features in This Release of Indexing and Search Service](#)
- [Deprecated and Removed Features](#)
- [Requirements for Indexing and Search Service](#)
- [Product Version Compatibility Requirements](#)
- [Problems Fixed in Indexing and Search Service 1.0.5.22.0](#)
- [Problems Fixed in Indexing and Search Service 1.0.5.23.0](#)
- [Problems Fixed in Indexing and Search Service 1.0.5.24.0](#)
- [Known Problems in Indexing and Search Service](#)
- [Redistributable Files for Indexing and Search Service](#)

About Indexing and Search Service

Indexing and Search Service for Oracle Communications Unified Communications Suite is a general-purpose indexing and searching server. As email inboxes become increasingly larger, the importance of a fast, efficient indexing and search service cannot be underestimated. Consequently, Indexing and Search Service (ISS) supports email data in the message store, including embedded data in a variety of formats. ISS provides a [RESTful web services interface](#) for search, thus any client capable of interacting with such a service is supported. Oracle Communications Messaging Server consumes ISS services to bring search services to any IMAP-based mail client. Message body searches done from your mail client can use the ISS engine to perform fast, comprehensive searches of message bodies and attachments.

ISS supports Oracle Communications Unified Communications Suite data such as the Messaging Server message store. This includes embedded data in text, HTML, XML, OpenOffice, Microsoft Office, and PDF formats. Also, metadata is indexed for JPEG files.

For more information, see "Overview of Indexing and Search Service" in *Indexing and Search Service System Administrator's Guide*.

New Features in This Release of Indexing and Search Service

See the [New Features](#) document.

Deprecated and Removed Features

Support for the following feature might be eliminated in a future release, have already been removed in this release, or was removed in a previous release:

- The `jiss_passwd.conf` file has been removed. Indexing and Search Service now uses the

Java KeyStore for passwords.

For more information on previously deprecated or removed features, see "Deprecated and Removed Features" in the Indexing and Search Service Release Notes in *Unified Communications Suite 7 Update 2 Installation and Configuration Guide*.

Requirements for Indexing and Search Service

See [Common Release Information for Communications Suite 7.0.6](#).



Note

For Indexing and Search Service on Red Hat Linux 6, you must use GlassFish Server 3, due to library issues.

Product Version Compatibility Requirements

See [Communications Suite 7.0.6 Product Version Compatibility Requirements](#).

Problems Fixed in Indexing and Search Service 1.0.5.22.0

The following problems have been fixed in Indexing and Search Service 1.0.5.22.0.

Problems Fixed

Service Request (SR) Number	BugDB Number	Description
NA	12945557	Remove deprecated <code>indexsvcbootstrap.sh</code> , <code>indexsvcfork.sh</code> , and obsolete jar files
NA	17545138	Access to copy duplicate information must be synchronized
NA	18155795	Empty folder records cause null pointer exception preventing service startup
NA	18268376	Update to JavaMail 1.5.2
NA	18278606	Search failure warning message needs more detail
NA	18317705	dIndex tools need to be more robust
NA	18505211	<code>checkindex.sh</code> corrupts index file ownership when not run as ISS user
NA	18505277	Various issues with <code>issversion</code>
NA	18530003	Search statistics show too many folder values
NA	18530038	<code>--thread n</code> option limit of 100 is too low
NA	18610777	JMQconsumer shutdown must complete quickly
3-8894493751	18611739	<code>isshttpd</code> fails to work when Convergence is configured for port 80
NA	18631242	Convergence connecting to <code>isshttpd</code> : logout does not work as expected
NA	18631282	Convergence connecting to <code>isshttpd</code> : very first login request not working
NA	18631310	setup prompts for file lookup questions when configured for LDAP
NA	18675092	Unable to configure <code>isshttpd</code> with Convergence when using <code>init-config</code>
NA	18714365	<code>--sync</code> sometimes fails when <code>--detail</code> status used
NA	18720489	<code>acctthreadpool</code> should terminate quickly during JMQconsumer shutdown
NA	18725909	In Convergence and <code>isshttpd</code> setup, the attachment search is not working as expected
3-9008343111	18771486	JSON formatting in Indexing and Search Service response
NA	18773902	Confusing error message is displayed when <code>configure_mq.sh</code> runs

Problems Fixed in Indexing and Search Service 1.0.5.23.0

Problems Fixed

Service Request (SR) Number	BugDB Number	Description
3-7469073371, 3-7462464371, 3-6358128971	14642854	UtilServices is not cleaning up files from the <code>iss.tmp.dir</code> directory.
NA	17238343	The bootstrap time on an account is lost when an account is moved with the <code>issadmin.sh --moveaccount</code> command.
NA	18283367	Account autosync finish might be delayed for hours.
NA	18369905	The <code>searchsvc</code> hangs after large burst of search requests.
NA	18509772	Chinese (Simplified) and Chinese Traditional (Big5) are not indexed or searchable.
3-9333488807	18600041	Add ability to sort by flag value.
NA	18657751	If the Java Virtual Machine Process Status Tool (<code>jps</code>) is not present in <code>JAVA_HOME</code> , Indexing and Search Service installation fails.
NA	18817553	Account thread pool gets stuck if <code>indexsvc</code> is not reachable.
NA	18868690	Delayed COPY event causes an exception and account out-of-sync error.
NA	18887725	<code>JMQconsumer</code> takes long time to shut down if system is left alone for some days.
NA	18943811	The <code>iss.store.account.maxgroup</code> and <code>iss.store.account.pergroup</code> cannot be modified or refreshed.
3-9151313796	18967253	<code>isshttpdmg</code> uses wrong variable for the mapping file.
3-9276374581	19145049	Indexing and Search Service 1.0.5.22.0 <code>postpatch_restart.sh</code> starts services regardless of previous state.
3-9294186381	19158254	Incorrect property name in <code>configure_appserv.pl</code> script in Indexing and Search Service 1.0.5.22.0.
NA	19189740	Add JVM option to set encoding in the <code>jiss.conf</code> file.
3-8890009391	19261809	<code>JMQconsumer</code> event causes orphaned temporary queue in message broker.
NA	19278670	Unit tests for globalization.
NA	19368891	<code>Indexsvc</code> hangs during <code>--bootstrap --accountlist</code> command.
NA	19447280	When using file-based JNDI, <code>postpatch_restart.sh</code> should not prompt for <code>ldap.password</code> .
3-9486225961	19453622	The <code>ldap -y</code> option fails during Linux installation.
NA	19485405	RESTful web service returns 500 instead of 408 for a timeout of 10 ms.
3-9515171811	19502053	German umlaut character is not searchable.
NA	19526296	Post-patch steps have problems when patching from 1.0.5.22.0 to 1.0.5.23.0 on file-based JNDI.

Problems Fixed in Indexing and Search Service 1.0.5.24.0

Problems Fixed

Service Request (SR) Number	BugDB Number	Description
NA	20064414	Folder name containing caret (^) character cannot be deleted from Indexing and Search Service.
NA	20003535	ChangeFlag event dropped.
NA	20205653	If the indexSvc is not shutdown cleanly, the autobootlist information is lost.
3-9839050621	20123947	A large attached file causes and Index Service failure.
NA	19261940	The --setautobootlist <i>FILE</i> command does not support abbreviated lines.
NA	18384149	Search request timeouts can overload the back-end searchsvc.
NA	18896712	An exception is encountered during jmqconsumer shutdown.
NA	18896851	Event data is lost when jmqconsumer initialization fails.
NA	19695578	The postpatch_restart.sh command does not call the watchermgr.sh command with the correct options.
3-6805695961	12307730 (SUNBT7017503)	Running the issadmin.sh --listbrief command causes a Java Message Service exception when there is a large number of ISS accounts defined.
NA	13588029	Running the issadmin.sh --listaccountlistfile command hangs when there are a large number of ISS accounts defined.
NA	16243669	The checkIss command should read the log file name from the iss.conf file.
3-8199417711	17903907	Microsoft Word 2007 .docx files do not index correctly.
NA	19173267	The "received" field is not allowed in a parenthesized OR list of content terms.
NA	19708793	The issversion command does not use small Java args for checking jar files.

Known Problems in Indexing and Search Service

JISSaru Patch Upgrade Fails on a Configured Patch

SR number: NA

Bug number: 18896930

When upgrading by using an Indexing and Search Service Automated Release Update (ARU) patch, you must run following commands:

```
./commpkg upgrade
<iss-base>/bin/setup
<iss-base>/postpatch_restart.sh <iss-base>
```

Convergence Connecting to isshttpd: Very First Login Request Not Working

SR number: NA

Bug number: 18631282

If you are upgrading from Patch 21 and running isshttpd with file-based lookups, you must re-run the setup command after patching. You are required to populate information about the Directory Server so that isshttpd can perform user lookups similar to rest. This does not add any entries into your Directory Server tree.

Run the following commands:

```
<iss-base>/bin/setup -u  
<iss-base>/bin/setup
```

Redistributable Files for Indexing and Search Service

None.

Chapter 51. Indexing and Search Service

1.0.5.22.0 Upgrade

Oracle Communications Indexing and Search Service 1.0.5.22.0 Upgrade

Topics:

- [Running commpkg upgrade](#)
- [Getting to Indexing and Search Service 1.0.5.22.0 Requires Running postpatch_restart.sh](#)
- [Rebootstrapping Accounts](#)
- [Reverting an Upgrade](#)

Running commpkg upgrade

To upgrade to Indexing and Search Service 1.0.5.22.0 from a previous version, run the `commpkg upgrade` command on each host in your deployment. Upgrade your ISS back-end hosts first and then upgrade your front-end hosts. For more information, see [commpkg upgrade 7.0.6 Usage](#).

Getting to Indexing and Search Service 1.0.5.22.0 Requires Running `postpatch_restart.sh`

The final step in this process is to manually run `iss-svr-base/bin/postpatch_restart.sh` `iss-svr-base` after completing the upgrade. Because the `postpatch` process might be interactive, you must manually run `postpatch_restart.sh`.

For example:

```
# cd /opt/sun/comms/jiss/bin
# ./postpatch_restart.sh /opt/sun/comms/jiss
```

For more information, see [postpatch_restart.sh 1.0.5.22.0](#).

(Optional) If you also upgraded from Java 6 to 7, you need to rebootstrap accounts. Going forward, Java 7 (at least Java 7 Update 11) is recommended, as Java 6 is entering end of life. If you generate ISS indexes while on Java 6, once you upgrade to Java 7, you should regenerate the indexes. See [Rebootstrapping Accounts](#) and "Migrating from Java 6 to Java 7" in *Indexing and Search Service System Administrator's Guide* for more information.

To make use of features such as periodic auto-sync and autobootstrapping, see [Indexing and Search Service 1.0.5.22.0 Post Configuration](#).

Rebootstrapping Accounts

When updating from a version earlier than Indexing and Search Service 1 Update 3, after the upgrade, you should rebootstrap all user accounts. This step is not necessary when updating from Indexing and Search Service 1 Update 3.

Here is one possible way to bootstrap your accounts:

1. Use the Messaging Server `imquotacheck` command to get a list of all accounts on the system. For example:

```
cd /opt/sun/comms/messaging64/bin
./imquotacheck -a > quotafile
```

2. Delete all information in the redirected `quotafile` except the user IDs. Make sure that there is a single user ID on each line of the file.
3. Get a sense of the size of the users by running the following commands.
 - How many users?

```
wc quotafile
```

- Largest users by size, distribution of account sizes?

```
./imquotacheck | sort -k 3,3rn | less
```

- Total mailbox size in Kbytes?

```
./mboxutil -l | awk '{ sum += $2} END {print sum}'
```

You might want to save a copy of the `imquotacheck` and `mboxutil -l` output to ISS for later reference.

4. On ISS, remove the existing index by using the `/opt/sun/comms/jiss/examples/removeindex` command.
5. Run `/opt/sun/comms/jiss/examples/createuserlist < quotafile` to create users.
6. Re-initialize the index by using the `/opt/sun/comms/jiss/examples/initializeindex` command.
7. Bootstrap all users in the `quotafile` in parallel by using the `/opt/sun/comms/jiss/examples/parallelbootstrap` command.
By default, the command bootstraps 16 users in parallel. Edit the file if you need to change this.

Reverting an Upgrade

Starting with ISS 1 Update 4, the indexes are not backward compatible with previous versions of ISS. When downgrading from ISS 1 Update 4 and later releases to an earlier release, you must regenerate the index information. If you need to downgrade to ISS 1 Update 3 from ISS 1 Update 4 and later releases, you only need to regenerate some of the index directories.

To downgrade to ISS 1 Update 3 from ISS 1 Update 4 and later releases:

1. Stop all ISS services.
As root, run the following command:

```
<iss-base>/bin/svc_control.sh stop
```

2. Run the `iss-base/examples/findbigaccounts.sh` script to get a list of accounts that have been modified to use the new folder flags implementation in ISS 1 Update 4. The index information format for these accounts is not backward compatible with previous versions.
3. Reinstall ISS 1 Update 3.
See [Indexing and Search Service 1.0.5 Installation Scenario](#) for instructions.
4. Delete and rebootstrap each account from the output in step 2.

If you downgrade to any version prior to ISS 1 Update 3 from ISS 1 Update 4 and later releases, you need to regenerate the index information for all accounts. You can use the `iss-base/examples/removeindex` script to remove the entire index so that the index can be recreated after you have completed the downgrade.

Chapter 52. Installation Scenario - Indexing and Search Service 1.0.5.22.0

Installation Scenario - Oracle Communications Indexing and Search Service 1.0.5.22.0

Topics:

- [Overview of This Scenario](#)
- [Assumptions](#)
- [Which Software Components and Downloads Do You Need?](#)
- [Installing and Configuring an Indexing and Search Service Deployment](#)
- [Uninstalling ISS](#)
- [ISS Installation Command-Line Reference](#)
- [Troubleshooting Indexing and Search Service Installation Problems](#)

Overview of This Scenario

The following installation information describes how to install and configure Indexing and Search Service. Before proceeding, make sure that you have already made your architectural and design decisions. For example, you should already know the total number of servers in your deployment, the number of front-end and back-end servers, and similar details. If you are still in the planning or evaluating process, see *Unified Communications Suite Deployment Planning Guide*.

Some of this information assumes that you are using Solaris Operating System (Solaris OS) 10. For Red Hat Linux, substitute the respective Red Hat Linux commands.

Assumptions

This scenario shows how to install Indexing and Search Service on a separate host.

Which Software Components and Downloads Do You Need?

- Communications Suite: Messaging Server, Indexing and Search Service, and GlassFish Message Queue, bundled together as part of the Oracle Communications Unified Communications Suite download
As of Communications Suite 7 Update 3, Message Queue is no longer installed as part of a Messaging Server only installation. You need to manually install Message Queue by running the following command:

```
commpkg install --comp=~JISS
```

This command installs only the components on which ISS has a dependency, not ISS itself.

- Communications Suite patches, created after the initial release of Communications Suite 7.0.6
- Application server web container for Indexing and Search Service: Oracle GlassFish Server
- LDAP server: Directory Server
- (Optional): Apache HTTP Server version 2, for multi-host deployments (used as web container for

ISS back ends)

Download sites: [Get the Software to Install Communications Suite 7.0.6](#)



Note

Starting with Communications Suite 7 Update 3, the Communications Suite installer no longer installs Java. To install Java for Communications Suite, see [Installing Java For Communications Suite 7.0.6](#).

Installing and Configuring an Indexing and Search Service Deployment

Installing ISS involves the following high-level steps:

1. Before You Install and Configure ISS
2. Install, But Do Not Configure, ISS Software
3. Gather Information Required to Configure ISS
4. Prepare Messaging Server for ISS
5. Decide on ISS Installable Components
6. Configure GlassFish Message Queue 4.4u1 on the ISS Host
7. Complete the ISS Installation
8. Index (Bootstrap) Users
9. Verify the ISS Installation
10. (Optional) Configure Messaging Server to Use ISS for IMAP SEARCH
11. (Optional) Configure Convergence to Use ISS

1. Before You Install and Configure ISS

Complete the following prerequisites for installing and configuring ISS:

1. Review [Requirements for Communications Suite 7.0.6](#) for the operating system, patch, client software, and disk space needed, and any additional software requirements for this release of Indexing and Search Service.
2. Install and configure the following required software:
 - Java. See [Installing Java For Communications Suite 7.0.6](#).
 - GlassFish Server 3.1.2. See [Installation Scenario - GlassFish Server](#) for more information about installing the software. (GlassFish Server 2.1.1 is still supported, but GlassFish Server 3.1.2 is recommended for new installations. See [Communications Suite 7.0.6 Supported Web Containers](#) for a comparison of versions of supported software components.)
 - (Optional) Apache HTTP Server version 2, for multi-host deployments. See [Installing Apache HTTP Server Version 2 for Indexing and Search Service 1.0.5.22.0](#) for more information about obtaining and installing the software.
3. Make sure that the Messaging Server host for your ISS deployment is running at least Messaging Server 7 Update 4 and GlassFish Message Queue 4.4 Update 1.
As of Communications Suite 7 Update 3, Message Queue is no longer installed as part of a Messaging Server only installation. To install Message Queue on a Messaging Server host, run the following command:

```
compkg install --comp=~JISS
```

This command installs only the components on which ISS has a dependency, not ISS itself.

4. On Messaging Server and ISS hosts, define and set up additional product requirements. Make sure that the Network Time Protocol (NTP) service is running on both the Messaging Server and

the ISS hosts.

- Solaris OS:

```
# svcadm enable ntp
# svcs ntp
STATE          STIME      FMRI
online         16:35:43  svc:/network/ntp:default
```

See the section about time-related services in [System Administration Guide: Network Services](#) for more information about NTP on Solaris.

- Red Hat Linux:

```
# cd /etc/rc3.d
# ln -s ../init.d/ntpd S74ntpd
# ../init.d/ntpd start
Starting ntpd: [ OK ]
# ps -ef | grep ntp
ntp      2347      1  0 20:56 ?          00:00:00 ntpd -u ntp:ntp -p
/var/run/ntpd.pid -g
```

See the section about NTP in [Red Hat Documentation](#) for more information about NTP on Red Hat Linux.

5. For Oracle Linux and Red Hat Linux systems, increase the number of file handles and number of processes allowed for the `iss.user`.

As superuser or root, edit the `/etc/security/limits.conf` file and add the following lines, where `jiss` is the `iss.user` in the `jiss.conf` file:

jiss	hard	nofile	65536
jiss	hard	nproc	8192
jiss	soft	nofile	65536
jiss	soft	nproc	8192

2. Install, But Do Not Configure, ISS Software

1. To install the ISS software, run the Communications Suite installer:

```
./commpkg install
```

2. Select the option for Indexing and Search Services 1.0.5.22.0.
3. For information about running the Communications Suite installer, see [Installing Communications Suite](#).
4. For multi-host deployments, run the Communications Suite installer on each host in your multi-host deployment to install the ISS software.



Note

Deploying ISS involves installing then configuring the software. In this section, you only install the software. You configure the ISS software in a later step.

5. Install current ISS patch.

3. Gather Information Required to Configure ISS

Complete the [Configuration Worksheet](#) to prepare Messaging Server for Indexing and Search Service integration and to configure Indexing and Search Service.

4. Prepare Messaging Server for ISS

See [Preparing Messaging Server for Indexing and Search Service 1.0.5.22.0 Integration](#).

5. Decide on ISS Installable Components

You can install all the ISS components onto a single host or spread the installation across multiple hosts. The four ISS components include:

- web
- jmq
- ldap
- index

Web (web)

This component contains the front-end web server access to the index services. This component must be GlassFish Server and must support the `asadmin` command. The set up script installs and configures the following three JAR files on the GlassFish Server:

- `rest`. This component is the RESTful API. You access the RESTful service at the following URL:

```
http://<host>:<port>/rest
```

- `searchui`. This component is a sample search UI. You access the sample search UI at the following URL:

```
http://<host>:<port>/searchui
```

- `storeui`. This component controls access to the attachment store. You access it at the following URL:

```
http://<host>:<port>/storeui
```

Oracle GlassFish Message Queue (jmq)

This component is Oracle GlassFish Message Queue for the Indexing and Search Services. The GlassFish Server and index services use this message bus to communicate.

Directory Service (ldap)

ISS requires Directory Server for Java Naming and Directory Interface (JNDI) lookups.

Indexing (index)

This component contains the following core index and search services that are required for normal

operation:

- Index Service (indexSvc) – Bootstraps new users and indexes incoming content.
- Search Service (searchSvc) – Searches index and returns results.
- JMQ Consumer (jmqconsumer) – Listens to the JMQ on the message store and notifies indexSvc if new content requires indexing.
- Util Service (utilSvc) – Provides utility services to Index Service.
- Apache (httpd) – Used only in multimachine deployments, provides access to the attachment store.

6. Configure GlassFish Message Queue 4.4u1 on the ISS Host

1. Ensure that the GlassFish Message Queue broker is running and is enabled to start at reboot. Edit the `imqbrokerd.conf` file (`/etc/imq/imqbrokerd.conf` on Solaris OS and `/etc/opt/sun/mq/imqbrokerd.conf` on Red Hat Linux) to contain the following information. Check the file permissions and change them to be writeable if they are set to read-only.

```
AUTOSTART=YES
ARGS=-vmargs -Xmx1024m
RESTART=YES
```

2. If the `config.properties` file (`/var/imq/instances/imqbroker/props/config.properties` on Solaris OS and `/var/opt/sun/mq/instances/imqbroker/props/config.properties` on Red Hat Linux) does not yet exist, start the IMQ broker for the first time to generate it.

```
nohup /etc/init.d/imq start
```

3. Tune the GlassFish Message Queue broker properties by editing the bottom of the `config.properties` file (`/var/imq/instances/imqbroker/props/config.properties` on Solaris OS and `/var/opt/sun/mq/instances/imqbroker/props/config.properties` on Red Hat Linux) to contain the following information. You might need to check the file permissions and change them to be writeable if set to read-only. The defaults for these settings appear in the `default.properties` file (`/usr/share/lib/imq/props/broker/default.properties` on Solaris OS and `/opt/sun/mq/private/share/lib/props/broker/default.properties` on Red Hat Linux).

```
imq.portmapper.backlog=-1
imq.autocreate.destination.limitBehavior=REMOVE_OLDEST
imq.autocreate.destination.maxNumProducers=-1
imq.autocreate.reaptime=7200
imq.destination.DMQ.truncateBody=true
imq.jms.max_threads=2000
```

4. Ensure that the Message Queue broker is restarted to acquire the new settings:

```
/etc/init.d/imq stop
nohup /etc/init.d/imq start
```

7. Complete the ISS Installation

Use the tasks in this section to complete the ISS installation on either a single host or multiple hosts.

To Configure Indexing and Search Service on a Single Host

1. Change to the `jiss/bin` directory, for example:

```
cd /opt/sun/comms/jiss/bin
```

2. Run the initial configuration.

```
./setup
```

3. Answer the series of configuration prompts.
For more information, see [Indexing and Search Service 1.0.5.22.0 Initial Configuration](#).
4. Restart GlassFish Server.
 - For example, to restart GlassFish Server 3.1.2:

```
asadmin> stop-domain domain1  
asadmin> start-domain domain1
```

- For example, to restart GlassFish Server 2.1.1:

```
cd /opt/SUNWappserver/bin  
./asadmin stop-domain domain1  
./asadmin start-domain domain1
```

5. Run Post Configuration Procedures.
See [Indexing and Search Service 1.0.5.22.0 Post Configuration](#).

To Configure Indexing and Search Service on Multiple Hosts

For multi-host deployments, see [Using setup in a Multi-host Environment](#).

8. Index (Bootstrap) Users

Use the `issadmin.sh --bootstrap` command to index users.

For example, to index a single user:

```
# ./issadmin.sh --bootstrap --user <username> --host <hostname>  
--runoptimizer true
```

To index a list of users, 16 users at time:

```
# ./issadmin.sh --bootstrap --accountlist /tmp/accountlist.txt --threads 16  
--runoptimizer true --altoutput /tmp/parallelbootstrap.log
```

9. Verify the ISS Installation

1. You can search a user's content by accessing it in a browser at the following URL:

```
http://<host>:<port>/rest
```

Log in as the user or proxy auth as the read-only store admin user (`mail.imap.admin.username`, `mail.imap.admin.username`).

2. To view a demo web application utilizing the ISS API, try the SearchUI link or access the following URL in a browser:

```
http://<host>:<port>/searchui
```

Try a search such as `+body: java` to search for attachments from email with the word "java" in the body.

3. Finally, send a new email message to an indexed user and confirm that the new message appears in the search.

10. (Optional) Configure Messaging Server to Use ISS for IMAP SEARCH

1. Set `service.imap.indexer.enable` to 1, which redirects IMAP SEARCH queries to ISS for fulfillment:

```
cd <msg-svr-base>/bin
./configutil -o service.imap.indexer.enable -v 1
```

2. This parameter is refreshable, so a refresh of the configuration is sufficient to enable the change.

```
./refresh imap
```

11. (Optional) Configure Convergence to Use ISS

See "Enabling Convergence and Indexing and Search Service" in *Convergence System Administrator's Guide*.

1. Configure Convergence to provide the ISS attachment interface.

```
cd /opt/sun/comms/iwc/sbin
./iwcadmin -w <password> -o ISS.enable -v true
./iwcadmin -w <password> -o ISS.enablessl -v true (if SSL to be used)
./iwcadmin -w <password> -o ISS.host -v <ISS-web-frontend-FQDN>
./iwcadmin -w <password> -o ISS.port -v <ISS-web-frontend-port>
./iwcadmin -w <password> -o ISS.proxyadminid -v <value of ISS's
mail.imap.admin.username>
./iwcadmin -w <password> -o ISS.proxyadminpwd -v <plaintext password
for mail.imap.admin.username>
```

ISS-web-frontend-port is the web component port number on which ISS is deployed (and should be the same as the port number for `appserver.web.port` in the `jiss.conf` file). Typically, the port number is 8080.

2. If you are deploying Convergence and ISS on the same host and on the same GlassFish Server web container, you must increase the number of GlassFish Server request processing threads to two times the number of CPUs on the system.

- a. Determine the number of CPUs on the system.

- Red Hat Linux:

```
cat /proc/cpuinfo | grep processor | wc -l
```

- Solaris OS:

```
mpstat | grep -v CPU | wc -l
```

- b. Set the number of request processing threads to two times the number of CPUs determined above. If the number of CPUs is 4 or less, set this number to 8.

- For GlassFish 2:

```
cd /opt/SUNWappserver/bin
./asadmin set
server.http-service.request-processing.thread-count = <2 x
number-of-cpus>
```

- c. For GlassFish 3:

```
# cd /opt/glassfish3/bin
# ./asadmin set
server-config.network-config.transports.transport.tcp.acceptor-threa
= (2 x number-of-cpus)
```

3. Restart GlassFish Server.

- For example, to restart GlassFish Server 3.1.2:

```
asadmin> stop-domain domain1
asadmin> start-domain domain1
```

- For example, to restart GlassFish Server 2.1.1:

```
cd /opt/SUNWappserver/bin
./asadmin stop-domain domain1
./asadmin start-domain domain1
```

Uninstalling ISS

1. To uninstall the Indexing and Search Service installed on the local machine, run the `setup -u` command, for example:

```
# cd <iss-base>/bin
# ./setup -b <iss-base> -u
Logfile is: /var/tmp/jiss.install.13067
No setup type found, defaulting to all
Removing single-sign on
Undeploying JISS wars to Appserver
Stopping JISS services
Removing Apache if required
Removing up mq entries
Removing up ldap entries
-+-+--+
All configurations have been run successfully
-+-+--+
```

2. If necessary, uninstall the Communications Suite packages.
See [Uninstalling Communications Suite](#) for more information.

ISS Installation Command-Line Reference

- [check_conf.sh 1.0.5.22.0 Usage](#)
- [configure_etc.pl 1.0.5.22.0 Usage](#)
- [setup 1.0.5.22.0 Usage](#)
- [verify_conf.pl 1.0.5.22.0 Usage](#)
- [configure_web_node 1.0.5.22.0 Usage](#)

Troubleshooting Indexing and Search Service Installation Problems

- [Initial ISS Troubleshooting](#)
- [Troubleshooting ISS Configuration Problems](#)

Initial ISS Troubleshooting

If you encounter problems during the initial ISS configuration, it might be helpful to run the setup uninstall, adjust the initial configuration, and re-attempt the setup. See [setup 1.0.5.22.0 Usage](#) for more information.

Troubleshooting ISS Configuration Problems

This section describes how to troubleshoot installation problems without using the setup utility.

1. Change to the *iss-base/bin* directory.
2. Copy the example configuration file.

```
cp ../etc/jiss.conf.example myfile.conf
```

3. Edit the *myfile.conf* with your configuration details.
4. Move the existing configuration files.

```
mv ../etc/jiss.conf ../etc/jiss.conf.backup
mv ../etc/jiss_passwd.conf ../etc/jiss_passwd.conf.backup
```

5. Run the `configure_etc.pl` script to create new `jiss.conf` and `jiss.password` files.

```
./configure_etc.pl -c myfile.conf -A
```

6. Run the `verify_data.pl` script to check the `iss-base/etc/jiss.conf` and `iss-base/etc/jiss_passwd.conf` files for all required parameters and formatting.

```
./verify_data.pl
```

7. Run the `verify_conf.pl` script to check if needed services are running and can be authenticated with provided credentials.

```
./verify_conf.pl
```

8. If all these steps passed, run `setup` to configure the system.

```
./setup -b <iss-base>
```

See the topic on Indexing and Search Service troubleshooting in *Indexing and Search Service System Administrator's Guide* for more information.

Chapter 53. Installing Apache HTTP Server Version 2 for Indexing and Search Service

1.0.5.22.0

Installing Apache HTTP Server Version 2 for Indexing and Search Service 1.0.5.22.0

Starting with version 1 Update 3, when you install Indexing and Search Service in a multi-host deployment, you must install and configure Apache HTTP Server version 2 on the ISS back-end hosts. That is, you need Apache on the hosts that offer the Indexing Tier services (`searchSvc` for searching; `indexSvc` for adding new users and processing mail server events; and `jmqsconsumer` for listening to the Messaging Server JMQ for events to process and send to `indexSvc`).

The following software is required:

- **Solaris 10 OS:** Make sure that you have installed the package metacluster `SUNWCapache` from your Solaris OS media. For more information, refer to the [Solaris OS product documentation](#).
- **Red Hat Linux and Oracle Linux:** You need to install the RPM `httpd` from the respective Linux media. For instructions, refer to the appropriate product's documentation.

Chapter 54. postpatch_restart.sh 1.0.5.22.0

postpatch_restart.sh 1.0.5.22.0

The `postpatch_restart.sh` utility updates the system after an Indexing and Search Service patch has been applied. The utility script performs five basic operations:

- Stopping all ISS services
- Merging the configuration file
- Updating the configuration with new parameters
- Starting all ISS services
- Deploying the ISS war files to GlassFish Server

Location: `iss-base/bin/postpatch_restart.sh`

Syntax

```
postpatch_restart.sh [ -h ] [ -v ] [ -s ] [ -S <FILE> ] -f [ <FILE> ]  
[ -b <BASEDIR> | <BASEDIR> ]
```

Options

These are the options for this command:

postpatch_restart.sh Options

Option	Description
-b <i>BASEDIR</i> <i>BASEDIR</i>	Sets the base directory of the ISS installation.
-S <i>FILE</i>	Generates state file for silent install based on this run. A state file is generated only if you are prompted for new information that has changed between releases.
-f <i>FILE</i>	Specifies the file containing configuration information for silent install.
-v	Uses verbose output.
-s	Patch but do not start indexing services. Disables services if already running.
Available starting in Indexing and Search Service 1.0.5.23.0.	
-h	Prints out the usage summary.

Example run

```
# /opt/sun/comms/jiss/bin/postpatch_restart.sh -S /tmp/new.state  
/opt/sun/comms/jiss
```

Chapter 55. Preparing Messaging Server for Indexing and Search Service 1.0.5.22.0 Integration

Preparing Messaging Server for Indexing and Search Service 1.0.5.22.0 Integration

The following instructions describe how to prepare and configure Messaging Server for integration with Indexing and Search Service. Where appropriate, separate steps are given for both legacy configuration and unified configuration.

1. Assign read-only store administrator privileges to the ISS proxy auth user (by default named `indexeradmin`).

The ISS proxy auth user must exist in LDAP and must be a member of the `store.admins` group.

Legacy configuration:

```
cd <msg-svr-base>/bin
./configutil -o store.indexeradmins -v indexeradmin
```

Unified configuration:

```
cd <msg-svr-base>/bin
./msconfig set store.indexeradmins indexeradmin
```

2. Configure the GlassFish Message Queue broker on Messaging Server.
 - a. Ensure that the GlassFish Message Queue broker is running and enabled to start at reboot. Edit the `imqbrokerd.conf` file (`/etc/imq/imqbrokerd.conf` on Solaris Operating System (Solaris OS) and `/etc/opt/sun/mq/imqbrokerd.conf` on Red Hat Linux) to contain the following information. You might need to check the file permissions and change them to be writeable if set to read-only.

```
AUTOSTART=YES
ARGS=-vmargs -Xmx1024m
RESTART=YES
```

- b. If the `config.properties` file (`/var/imq/instances/imqbroker/props/config.properties` on Solaris OS and `/var/opt/sun/mq/instances/imqbroker/props/config.properties` on Red Hat Linux) does not yet exist, start the IMQ broker for the first time to generate it.

```
/etc/init.d/imq start
```

- c. Tune the GlassFish Message Queue broker properties by editing the bottom of the `config.properties` file (`/var/imq/instances/imqbroker/props/config.properties` on Solaris OS and `/var/opt/sun/mq/instances/imqbroker/props/config.properties` on Red Hat Linux) to contain the following information. You might need to check the file

permissions and change them to be writeable if set to read-only. The defaults for these settings appear in the `default.properties` file (`/usr/share/lib/imq/props/broker/default.properties` on Solaris OS and `/opt/sun/mq/private/share/lib/props/broker/default.properties` on Red Hat Linux).

```
imq.portmapper.backlog=-1
imq.autocreate.destination.limitBehavior=REMOVE_OLDEST
imq.autocreate.destination.maxNumProducers=-1
imq.autocreate.reaptime=7200
imq.destination.DMQ.truncateBody=true
```

- d. Ensure that the Message Queue broker is restarted to acquire the new settings:

```
/etc/init.d/imq stop
/etc/init.d/imq start
```

- e. Use the `imqusermgr` command to create a Message Queue user, referred to later in `local.store.notifyplugin.index.jmquser` on Messaging Server and `mail.imq.user` in ISS.

Solaris OS:

```
# /usr/bin/imqusermgr add -u <jmquser> -p <jmquserpassword> -g
user
```

Red Hat Linux:

```
# /opt/sun/mq/bin/imqusermgr add -u <jmquser> -p
<jmquserpassword> -g user
```

- f. Reset the default account passwords, if not already reset:

Solaris OS:

```
# /usr/bin/imqusermgr update -u admin -p <adminpassword>
# /usr/bin/imqusermgr update -u guest -p <guestpassword>
```

Red Hat Linux:

```
# /opt/sun/mq/bin/imqusermgr update -u admin -p
<adminpassword>
# /opt/sun/mq/bin/imqusermgr update -u guest -p
<guestpassword>
```

3. Configure Java Messaging Queue (JMQ) notifications on Messaging Server to produce event notifications of real-time changes to the Messaging Server store for ISS to consume.

**Note**

ISS requires JMQ software. If you are currently running ENS for IMAP IDLE, you need to run both ENS and JMQ. In other words, ENS and JMQ are independent. You can use ENS for IMAP IDLE and JMQ for ISS. Prior to Messaging Server 7 Update 4, you can use JMQ for both IMAP IDLE and ISS. Starting with Messaging Server 7 Update 4, IMAP IDLE only supports ENS.

- a. Set the `local.store.notifyplugin` parameter (legacy configuration) or `notifytarget` option (unified configuration) to include a JMQ notification plugin named `index`.

If you have already enabled `local.store.notifyplugin`, add the following entry for ISS to what is already specified so that you do not overwrite the existing setting. For example, if `local.store.notifyplugin` is already set, run the following commands.

Legacy configuration:

```
# cd <msg-svr-base>/bin
# ./configutil -o local.store.notifyplugin
lib/libibiff$ms-internal$
# ./configutil -o local.store.notifyplugin -v
'lib/libibiff$ms-internal$lib/libjmqnotify$index'
```

You may receive a response such as the following:

```
lib/libibiff$ms-internal$
```

If this is the case, append the new JMQ notification to existing one:

```
# ./configutil -o local.store.notifyplugin -v
'lib/libibiff$ms-internal$lib/libjmqnotify$index'
```

If `local.store.notifyplugin` is not already set, set it as follows:

```
# cd <msg-svr-base>/bin
# ./configutil -o local.store.notifyplugin
# ./configutil -o local.store.notifyplugin -v
'lib/libjmqnotify$index'
```

Unified configuration:

```
./msconfig set notifytarget:index.notifytype jmq
```



For more information about the syntax of `local.store.notifyplugin` consult the [Messaging Server configutil Parameters Reference](#) or run

```
cd <msg-svr-base>/bin
./configutil -o local.store.notifyplugin -H
```

- b. Configure the following settings for the `index` JMQ notification plugin, replacing `<jmquser>` with the JMQ user and `<jmquserpassword>` with the JMQ user password.

Note that time values are in milliseconds.

Legacy configuration:

```
# cd <msg-svr-base>/bin
./configutil -o
local.store.notifyplugin.index.annotatmsg.enable -v 0
./configutil -o
local.store.notifyplugin.index.changeflag.enable -v 1
./configutil -o local.store.notifyplugin.index.copymsg.enable
-v 1
./configutil -o local.store.notifyplugin.index.debuglevel -v 0
./configutil -o
local.store.notifyplugin.index.deletemsg.enable -v 0
./configutil -o local.store.notifyplugin.index.destinationtype
-v queue
./configutil -o
local.store.notifyplugin.index.expungemsg.enable -v 1
./configutil -o local.store.notifyplugin.index.jmqhost -v
127.0.0.1
./configutil -o local.store.notifyplugin.index.jmqport -v 7676
./configutil -o local.store.notifyplugin.index.jmqpwd -v
<jmquserpassword>
./configutil -o local.store.notifyplugin.index.jmqtopic -v
INDEXMS
./configutil -o local.store.notifyplugin.index.jmquser -v
<jmquser>
./configutil -o local.store.notifyplugin.index.loguser.enable
-v 0
./configutil -o local.store.notifyplugin.index.maxbodysize -v
262144
./configutil -o local.store.notifyplugin.index.maxheadersize
-v 16384
./configutil -o local.store.notifyplugin.index.msgflags.enable
-v 0
./configutil -o local.store.notifyplugin.index.msgtypes.enable
-v 0
./configutil -o local.store.notifyplugin.index.newmsg.enable
-v 1
./configutil -o
local.store.notifyplugin.index.noneinbox.enable -v 1
./configutil -o
local.store.notifyplugin.index.overquota.enable -v 0
./configutil -o local.store.notifyplugin.index.persistent -v 0
./configutil -o local.store.notifyplugin.index.priority -v 4
./configutil -o local.store.notifyplugin.index.purgemsg.enable
-v 0
./configutil -o local.store.notifyplugin.index.readmsg.enable
-v 0
./configutil -o
local.store.notifyplugin.index.underquota.enable -v 0
./configutil -o
local.store.notifyplugin.index.updatemsg.enable -v 1
./configutil -o local.store.notifyplugin.index.ttl -v 3600000
./configutil -o local.store.notifyplugin.msgflags -v 1
```

Unified configuration:

```
./msconfig set notifytarget:index.annotatormsg 0
./msconfig set notifytarget:index.changeflag 1
./msconfig set notifytarget:index.annotatormsg 0
./msconfig set notifytarget:index.changeflag 1
./msconfig set notifytarget:index.copymsg 1
./msconfig set notifytarget:index.deletemsg 0
./msconfig set notifytarget:index.destinationtype queue
./msconfig set notifytarget:index.expungemsg 1
./msconfig set notifytarget:index.jmqhost 127.0.0.1
./msconfig set notifytarget:index.jmqport 7676
./msconfig
## The JMQ password can only be set using the msconfig
interactive mode.
msconfig> set notifytarget:index.jmqpwd asdf1234
msconfig# write
./msconfig set notifytarget:index.jmqtopic INDEXMS
./msconfig set notifytarget:index.jmquser <jmquser>
./msconfig set notifytarget:index.loguser 0
./msconfig set notifytarget:index.maxbodysize 262144
./msconfig set notifytarget:index.maxheadersize 16384
./msconfig set notifytarget:index.msgflags 0
./msconfig set notifytarget:index.msgtypes 0
./msconfig set notifytarget:index.newmsg 1
./msconfig set notifytarget:index.noninbox 1
./msconfig set notifytarget:index.overquota 0
./msconfig set notifytarget:index.persistent 0
./msconfig set notifytarget:index.priority 4
./msconfig set notifytarget:index.purgemsg 0
./msconfig set notifytarget:index.readmsg 0
./msconfig set notifytarget:index.underquota 0
./msconfig set notifytarget:index.updatemsg 1
./msconfig set notifytarget:index.ttl 3600000
./msconfig set notifytarget:index.msgflags 1
```



Note

If you are deploying multiple ISS backends to connect to the same INDEXMS destination, set the `local.store.notifyplugin.index.destinationtype` parameter (legacy configuration), or `notifytarget:index.destinationtype` option (unified configuration) to **topic** rather than `queue`.



Note

The `local.store.notifyplugin.index.overquota.enable` and `local.store.notifyplugin.index.underquota.enable` parameters (legacy configuration), or `notifytarget:index.overquota` and `notifytarget:index.underquota` (unified configuration) are "newer" parameters that older versions of the `configutil` command do not support. If this is the case, you see a warning about setting an unknown parameter. This only means that the over and under quota events have not been disabled. These events are still sent to ISS but are ignored.

- c. Important: For Messaging Server 7 Update 3 or earlier versions, if you have changed the guest password for the IMQ broker from its default value and you do not have ENS enabled for IDLE, you might also need to either disable IDLE and `imkill` over JMQ, or provide a valid JMQ user name and password for their configuration.
- To disable IDLE and KILL over JMQ, run the following:

```
# cd <msg-svr-base>/bin
# ./configutil -o service.imap.ensidle -v 1
```

This setting does not enable ENS. Instead, it merely disables IDLE and `imkill` over JMQ.

- To provide a valid JMQ user name and password for IDLE and JMQ, run the following:

```
# cd <msg-svr-base>/bin
# ./configutil -o service.imap.idle.jmquserid -v
<jmquser>
# ./configutil -o service.imap.idle.jmqpassword -v
<jmquserpassword>
# ./configutil -o local.store.notifyplugin.idle.jmquser
-v <jmquser>
# ./configutil -o local.store.notifyplugin.idle.jmqpwd -v
<jmquserpassword>
```



Note

Starting with Messaging Server 7 Update 4, the parameters `service.imap.idle.jmquserid` and `service.imap.idle.jmqpassword` might be obsolete and might send a warning message if you attempt to set them. Beginning with Messaging Server 7 Update 5, run these commands instead:

```
# cd <msg-svr-base>/bin
# ./configutil -o
local.store.notifyplugin.idle.jmquser -v <jmquser>
# ./configutil -o
local.store.notifyplugin.idle.jmqpwd -v
<jmquserpassword>
```

- If you skip this step, but the following messages appear in the IMAP log after you restart Messaging Server, you must perform one of the previous two options.

```
[09/Apr/2009:22:59:05 +0000] mailhost imapd[26954]: General
Error: JMQ Error: Broker: invalid login
[09/Apr/2009:22:59:16 +0000] mailhost imapd[26954]: General
Error: JMQ Error: Broker: invalid login
[09/Apr/2009:22:59:26 +0000] mailhost imapd[26954]: General
Error: JMQ Error: Broker: invalid login
[09/Apr/2009:22:59:37 +0000] mailhost imapd[26954]: General
Error: JMQ Error: Broker: invalid login
[09/Apr/2009:22:59:47 +0000] mailhost imapd[26954]: General
Error: JMQ Error: Broker: invalid login
[09/Apr/2009:22:59:58 +0000] mailhost imapd[26954]: General
Error: JMQ Error: Broker connection is closed
```


- d. To make the changes effective, restart Messaging Server. For example:

```
# cd <msg-svr-base>/bin
# ./stop-msg
# ./start-msg
```

- e. Verify that the JMQ index plugin is working by checking for an entry such as the following in the *msg-srv-base/log/imap* log:

```
[28/May/2013:22:35:35 +0000] mailhost imapd[13996]: General
Notice: JMQ notifications enabled: index
[28/May/2013:22:35:35 +0000] mailhost imapd[13996]: General
Notice: jmqNotify JM Q initialization MQCreateConnection [dest :
index] [host : 127.0.0.1]
[28/May/2013:22:35:35 +0000] mailhost imapd[13996]: General
Notice: jmqNotify JM Q initialization MQCreateSession [dest :
index] [host : 127.0.0.1]
[28/May/2013:22:35:35 +0000] mailhost imapd[13996]: General
Notice: jmqNotify JM Q initialization MQCreateDestination [dest :
index] [host : 127.0.0.1] [topic : INDEXMS]
[28/May/2013:22:35:35 +0000] mailhost imapd[13996]: General
Notice: jmqNotify JM Q initialization
MQCreateMessageProducerForDestination [dest : index] [host : 12
7.0.0.1]
[28/May/2013:22:35:35 +0000] mailhost imapd[13996]: General
Notice: jmqNotify JM Q initialization MQCreateTextMessage [dest :
index] [host : 127.0.0.1]
[88/May/2013:15:11:07 -0700] mailhost imapd[19507]: General
Warning: Oracle Communications Messaging Server IMAP4
7u5-28.21(7.0.5.28.0) 64bit (built Apr 8 2013) starting up
```

Messaging Server 7 Update 4 and later may require that the NSS shared component be updated before JMQ notifications will work properly. If the *msg-srv-base/log/imap* log contains an error at start up similar to the following:

```
[26/Jun/2012:18:55:00 +0000] bco44 imapd[5471]: General Error:
jmqNotify JMQ initialization error The library is incompatible
```

Then consult the patch README for Messaging Server to determine the corresponding required patch level for the NSS/NSPR/JSS patch. For example, Messaging Server 7 Update 4 Patch 25 requires the 3.12.8 version of NSS shared component.

- f. Verify that no login errors have occurred on the IMQ broker by checking the */var/imq/instances/imqbroker/log/log.txt* file. For example:

```
[06/Apr/2009:19:51:32 PDT] [B1065]: Accepting:
jmquser@127.0.0.1:65220->jms:63268. Count: service=1 broker=1
[06/Apr/2009:19:51:33 PDT] [B1065]: Accepting:
jmquser@127.0.0.1:65223->jms:63268. Count: service=2 broker=2
[06/Apr/2009:19:51:34 PDT] [B1065]: Accepting:
jmquser@127.0.0.1:65226->jms:63268. Count: service=3 broker=3
[06/Apr/2009:19:51:34 PDT] [B1065]: Accepting:
jmquser@127.0.0.1:65228->jms:63268. Count: service=4 broker=4
[06/Apr/2009:19:51:35 PDT] [B1065]: Accepting:
jmquser@127.0.0.1:65232->jms:63268. Count: service=5 broker=5
```

g. Verify that Messaging Server has producers connected to the INDEXMS destination:

```
# imqcmd list dst
Username: admin
Password:
```

Listing all the destinations on the broker specified by:

```
-----
Host          Primary Port
-----
localhost     7676

-----
Name          Type      State      Producers      Consumers
Msgs
Count Remote UnAck Avg Size      Total Wildcard Total Wildcard
-----
Queue RUNNING 9      -           0      -           0      0      0
0.0
mq.sys.dmqs Queue RUNNING 0      -           0      0      0
0      0      0.0
```

Successfully listed destinations.

h. For more information, see the topic on JMQ notification in *Messaging Server System Administrator's Guide*.

4. Prepare, but do not enable, Messaging Server to forward some IMAP SEARCH queries to ISS.

**Note**

In this step, you send some IMAP search and sort commands to ISS. The `service.imap.indexer.hostname` parameter (legacy configuration) or `imap.indexer.server_host` option (unified configuration) must also be set to function correctly. ISS processes search operations based on words rather than substrings; consequently, results might not follow IMAP standards and might differ from a search performed by the IMAP server.

ISS is not used in any of the following scenarios:

- Starting with Messaging Server 7.0.5.30.0, ESEARCH extension features other than "RETURN ALL" are present
- KEYWORD, HEADER, OLDER, YOUNGER, MODSEQ, ANNOTATION, or RECENT appears
- SUBJECT, FROM, TO, CC, BCC, TEXT or BODY is not present

If an error occurs from ISS, then the search might fall back to processing by the IMAP server. See *Indexing and Search Service System Administrator's Guide* for details on what searches ISS supports, because it might not support all combinations of AND, OR and NOT operations that IMAP supports.

ISS IMAP SEARCH configuration Parameters

Legacy Configuration Parameter	Unified Configuration Parameter	Description	Default Value
<code>service.imap.indexer.hostname</code>	<code>imap.indexer.server_host</code>	Name of host providing ISS RESTful search service	NULL (must be configured if <code>service.imap.indexer.enable</code> is set)
<code>service.imap.indexer.port</code>	<code>imap.indexer.port</code>	Port number of ISS RESTful search service	8080
<code>service.imap.indexer.enable</code>	<code>imap.indexer.enable</code>	Redirects some IMAP SEARCH queries to ISS for fulfillment	0

**Note**

After ISS has been enabled, and users have been indexed and searching has been verified, this step is revisited to set `service.imap.indexer.enable` to 1 so that the setting then redirects IMAP SEARCH queries to ISS for fulfillment.

- Before ISS is enabled, apply the following settings:

Legacy Configuration:

```
# cd <msg-svr-base>/bin
# ./configutil -o service.imap.indexer.hostname -v
<iss-web-frontend-host-name>
# ./configutil -o service.imap.indexer.port -v
<iss-web-frontend-port-number>
# ./configutil -o service.imap.indexer.enable -v 0
```

Unified configuration:

```
./msconfig set imap.indexer.server_host
<iss-web-frontend-host-name>
./msconfig set imap.indexer.port
<iss-web-frontend-port-number>
./msconfig set imap.indexer.enable 0
```

- b. To make the changes effective, restart Messaging Server. For example:

```
# cd <msg-svr-base>/bin
# ./refresh imap
```

5. Return to 4. [Prepare Messaging Server for ISS.](#)

Chapter 56. setup 1.0.5.22.0 Usage

setup 1.0.5.22.0 Usage

This utility was renamed to simply setup in **Indexing and Search Service 1 Update 2**. In previous releases, the utility was called `setup.sh`.

The setup utility configures and starts all services for Indexing and Search Service. This script expects all supporting services to be running, including:

- GlassFish Server
- GlassFish Message Queue
- Directory Server (for ISS and Messaging Server message store)

Requirements: Must be root.

Location: *iss-base/bin/setup*

Syntax

```
setup [ -u ] [ -v ] [ -O ] [ -b basedir ] [ -c | -f conf ] [-D]  
      [ -l logfile ] [ -t web,index,jmq,ldap,cluster,all ]  
      [ -i isshost ] [ -L ] [ -S save_state ] [ -s ]  
      [ install | uninstall | reconfigure | restart ]
```

The `-s` option was introduced in **Indexing and Search Service 1 Update 2**.

Options

These are the options for this command:

setup Options

Option	Description
-u	Optional. Specifies to run in UNINSTALL mode.
-b <i>BASEDIR</i>	Required. Specifies the base directory of the installation.
-S <i>STATEFILE</i>	Optional. Generates state file based on install.
-l <i>LOGFILE</i>	Optional. Defaults to <code>/var/tmp/jiss-install.pid</code> .
-i <i>ISSHOST</i>	Optional. Fully qualified domain name to use for host name.
-c -f <i>CONF_FILE</i>	Optional. Specifies a file from which to read configuration information for the <code>jiss.conf</code> file.
-L	Optional. Use <code>/bin/hostname</code> for the ISS machine name, <code>/bin/hostname</code> must return a FQDN.
-t <i>TYPE</i>	Optional. Defaults to <code>all</code> . Specifies the type of install or uninstall to perform, can be a comma separated list: <code>all</code> : All components <code>web</code> : Configure GlassFish Server <code>jmq</code> : Configure GlassFish Message Queue <code>ldap</code> : Configure Directory Server <code>cluster</code> : Configure Cluster Services <code>index</code> : Configure Index and start indexing services <code>watcher</code> : Configure the watcher service.
-O	Optional. Overwrites the <code>jiss.conf</code> file and password configuration if present.
-D	Dry run, checks the configuration files but does not configure. Output configuration to <code>-S statefile</code> is required.
-s	Optional. Installs but does not start index services.
-v	Optional. Enables shell debugging.
-h	Optional. Prints help text.

Arguments can appear in any order.

Examples

- To install and configure all services:

```
/opt/sun/comms/jiss/bin/setup -t all
```

- To uninstall:

```
/opt/sun/comms/jiss/bin/setup -u
```

- To install and take options from a configuration file:

```
/opt/sun/comms/jiss/bin/setup -c my.conf
```

- To install and overwrite existing configuration:

```
/opt/sun/comms/jiss/bin/setup -O
```

- To install and use host to answer ISS questions:

```
/opt/sun/comms/jiss/bin/setup -i isshost.example.com
```

- To set up only ldap and jmq configurations:

```
# /opt/sun/comms/jiss/bin/setup -t ldap,jmq
```

Chapter 57. verify_conf.pl 1.0.5.22.0 Usage

verify_conf.pl 1.0.5.22.0 Usage

The `verify_conf.pl` utility is used to verify the `iss_base/etc/jiss.conf` and `iss_base/etc/jiss_passwd.conf` files for Indexing and Search Service. The utility checks for required parameters and formatting.

Location: `iss-base/bin/verify_conf.pl`

Syntax

```
verify_conf.pl [ -f <JISS_CONF> ] [ -v ] [ -h ]
```

Options

These are the options for this command:

Option	Description
-f <i>JISS_CONF</i>	Optional. Location of <code>jiss.conf</code> file, assumes <code>../etc/jiss.conf</code> if not provided.
-v	Optional. Enables shell debugging.
-h	Optional. Prints help text.

Exit code 0 indicates a success.

Exit code 1 indicates a failure.

Arguments can appear in any order.

Example

```
cd <iss-base>/bin
./verify_data.pl
./verify_data.pl -f /var/tmp/jiss-test.conf -p
/var/tmp/jiss-passwd-test.conf
```


Chapter 58. Configuration Worksheets - Instant Messaging Server 9.0.2.6.0

Configuration Worksheets - Instant Messaging Server Server 9.0.2.6.0

Starting with this release of Instant Messaging Server, this information is published in *Instant Messaging Server Installation and Configuration Guide* on the Oracle Documentation site at:

<http://www.oracle.com/technetwork/indexes/documentation/oracle-communications-185806.html>

Chapter 59. Installation Scenario - Instant Messaging Server 9.0.2.6.0

Installation Scenario - Oracle Communications Instant Messaging Server 9.0.2.6.0

Starting with this release of Instant Messaging Server, this information is published in *Instant Messaging Server Installation and Configuration Guide* on the Oracle Documentation site at:

<http://www.oracle.com/technetwork/indexes/documentation/oracle-communications-185806.html>

Chapter 60. Installation Scenario - Instant Messaging Server 9.0.2.6.0 Multiplexor

Installation Scenario - Oracle Communications Instant Messaging Server 9.0.2.6.0 Multiplexor

Starting with this release of Instant Messaging Server, this information is published in *Instant Messaging Server Installation and Configuration Guide* on the Oracle Documentation site at:

<http://www.oracle.com/technetwork/indexes/documentation/oracle-communications-185806.html>

Chapter 61. Instant Messaging Server 9.0.2.6.0 Initial Configuration

Completing the Oracle Communications Instant Messaging Server 9.0.2.6.0 Initial Configuration

After you install the Instant Messaging Server software by using the Communications Suite installer, you must configure Instant Messaging Server to complete the installation. You perform this initial runtime configuration by running the Instant Messaging Server configuration script, `configure`.

For more information, see *Instant Messaging Server Installation and Configuration Guide* on the Oracle Documentation site at:

<http://www.oracle.com/technetwork/indexes/documentation/oracle-communications-185806.html>

Chapter 62. Instant Messaging Server 9.0.2.6.0 Release Notes

Oracle Communications Instant Messaging Server 9.0.2.6.0 Release Notes

Starting with this release of Instant Messaging Server, this information is published in *Instant Messaging Server Release Notes* on the Oracle Documentation site at:

<http://www.oracle.com/technetwork/indexes/documentation/oracle-communications-185806.html>

Chapter 63. Instant Messaging Server 9.0.2.6.0 Upgrade

Upgrading to Oracle Communications Instant Messaging Server 9.0.2.6.0

Starting with this release of Instant Messaging Server, this information is published in *Instant Messaging Server Installation and Configuration Guide* on the Oracle Documentation site at:

<http://www.oracle.com/technetwork/indexes/documentation/oracle-communications-185806.html>

Chapter 64. Instant Messaging Server 9.0.2.6.0 Upgrade in an HA Environment

Instant Messaging Server 9.0.2.6.0 Upgrade in an HA Environment

Starting with this release of Instant Messaging Server, this information is published in *Instant Messaging Server Installation and Configuration Guide* on the Oracle Documentation site at:

<http://www.oracle.com/technetwork/indexes/documentation/oracle-communications-185806.html>

Chapter 65. Configuration Worksheets - Messaging Server 7.0.5.31.0

Messaging Server 7.0.5.31.0 Worksheet

Print and fill out this worksheet to use when responding to the Messaging Server configure script configuration options.

Option	Default Value	Fill in Your Site's Value (to Respond to the Script)
Path for Data and Configuration Files	<i>/var /msg-svr-base</i>	
User Name for Server Processes	<i>mailsrv</i>	
Group Name for Server Processes	<i>mail</i> (if the User Name for Server Processes already exists, then the primary group for that User Name is used, and no option will be prompted for)	
Fully Qualified Host Name (FQHN)	<i>your host.your domain</i> For example: <i>myhost.west.sesta.com</i>	
Default mail domain name	<i>your domain</i>	
Hostname for LDAP Directory Server	<i>blank</i> (indicating the local hostname)	
LDAP administrator login	<i>cn=Directory Manager</i>	
LDAP administrator password	<i>-</i>	
Mail address for postmaster notices	<i>admin@your domain</i>	
Password for server administration	<i>-</i>	
Mail relay IP addresses (systems permitted to relay mail without authentication)	<i>NA</i>	

Chapter 66. Downgrading From Messaging Server 7.0.5.31.0

Downgrading From Messaging Server 7.0.5.31.0

Unlike in previous upgrades, starting with Messaging Server 7 Update 5, you cannot easily downgrade to versions prior to Messaging Server 7 Update 5 once you have upgraded to Messaging Server 7 Update 5 and later. That is, you cannot just "back out" the upgrade by using the `patchrm` command on Solaris, or the `rpm -U` command on Linux. Instead, you must back up your Messaging Server data, back out the update (patch), then restore the Messaging Server data.

These downgrade instructions apply to both the `commpkg` upgrade procedure and the `migrate-config` procedure (side-by-side upgrade).

Topics:

- [Before you Upgrade to Messaging Server 7.0.5.31.0](#)
- [Downgrading from Messaging Server 7.0.5.31.0](#)

Before you Upgrade to Messaging Server 7.0.5.31.0

Read this section before upgrading to Messaging Server 7.0.5.31.0 to understand how this release is different from previous releases.

- If you are upgrading from Messaging Server 7 Update 5 to Messaging Server 7.0.5.31.0, you may easily back out the Messaging Server 7.0.5.31.0 upgrade to Messaging Server 7 Update 5 using the `patchrm` command on Solaris, or the `rpm -U` command on Linux.
- However, you cannot simply back out the Messaging Server 7.0.5.31.0 upgrade to a version prior to Messaging Server Update 5 once it is applied. In previous releases, you were able to back out. Starting with Messaging Server 7 Update 5, this is no longer the case.
- Although the system does permit you to back out the upgrade (for example, by running the `patchrm` command on Solaris platforms), afterwards Messaging Server services do not properly start. Additionally, the stored process does not start properly, and any mailbox accessed prior to backing out the upgrade reports that it is corrupted with an invalid format. Furthermore, even if you could manage to start Messaging Server services and manually fix the mailbox corruption, the mailbox owner flags (for example, seen and deleted flags) are all reset.
- Before upgrading Messaging Server prior to version 7 Update 5 to Messaging 7.0.5.31.0, make sure that you back up the Messaging Server data. If you do need to downgrade after upgrading to Messaging Server 7.0.5.31.0 from a version prior to Messaging Server 7 Update 5, you need to restore the Messaging Server data to their state prior to upgrading.
- Before upgrading to Messaging Server 7.0.5.31.0, it is highly recommended that you test it on a non-production system prior to actual deployment to production systems.
- Backing out from Messaging Server 7.0.5.31.0 to a version prior to Messaging Server 7 Update 5 is considered an avenue of last resort. If you need to downgrade, you must follow the steps described later in this information to return your system to a working state.
- Depending on whether you upgraded by patch or through the Communications Installer, you might need the previous version's software. For example, if you use the installer to upgrade from Messaging Server 6, the installer removes the old software, and so to revert to that version, you would need the old product. Note that if you do a backup after upgrading, and restore from that backup, you do not lose messages that arrived since that backup when you restore.

Downgrading from Messaging Server 7.0.5.31.0

Use this procedure if you have upgraded to Messaging Server 7.0.5.31.0 and need to return to versions prior to Messaging Server 7 Update 5.

1. Prior to downgrading, perform a full backup of the message store by using the `imsbackup` command.
For example:

```
stop-msg  
start-msg store  
bin/imsbackup -v -f - / > backup
```

2. Back out the upgrade.
 - On Solaris: Use the `patchrm` command.
 - On Linux: Use the `rpm -U` command.
3. Move the store directory to a different location.

For example:

```
mv data/store data/store.old
```

4. Start the message store to perform the restore.

```
bin/start-msg store
```

5. Perform the restore:

```
bin/imsrestore -f backup
```

6. Stop and start Messaging Server.
For example:

```
stop-msg  
start-msg
```

Chapter 67. Messaging Server 7.0.5.31.0 Initial Configuration

Oracle Communications Messaging Server 7.0.5.31.0 Initial Configuration

After you [install the Messaging Server software by using the Communications Suite installer](#), you must configure Messaging Server to complete the installation. You perform this initial runtime configuration by using the Messaging Server configuration program, `configure`.

This information assumes that you have read *Unified Communications Suite Deployment Planning Guide* and installed Messaging Server software. Performing the following tasks results in a functioning Messaging Server. You still want to customize your deployment as well as provision and perhaps migrate users and groups. Provisioning is described in *Delegated Administrator System Administrator's Guide*.

Topics:

- [About Messaging Server Unified Configuration](#)
- [Prerequisites for Configuring Messaging Server](#)
- [Messaging Server Configuration Checklist](#)
- [High-level Overview of Configuring Messaging Server](#)
- [Creating UNIX System Users and Groups](#)
- [Checking the DNS Configuration](#)
- [Preparing Directory Server for Messaging Server Configuration](#)
- [Creating the Initial Messaging Server Runtime Configuration](#)
- [Configuring Messaging Server Against a Directory Server Replica](#)
- [Installing Messaging Server Provisioning Tools](#)
- [Configuring SMTP Relay Blocking](#)
- [Enabling Startup After a Reboot](#)
- [Performance and Tuning](#)
- [Post-Installation Directory Layout](#)
- [Post-Installation Port Numbers](#)
- [JMQ Notification](#)
- [Configuring Certificate Based Authentication](#)

About Messaging Server Unified Configuration

Starting with version 7.0.5.29.0, Messaging Server introduces the capability to create a Unified Configuration. Unified Configuration provides an improved, streamlined process to configure and administer Messaging Server. Unlike in legacy configurations (Messaging Server 7 Update 4 and prior releases), Unified Configuration uses validation to verify configuration accuracy, and employs a single tool to configure the entire Messaging Server configuration (with a few exceptions). Thus, using Unified Configuration simplifies administration and reduces configuration mistakes.

When you perform a fresh Messaging Server installation, you can decide to configure it for Unified Configuration. It is not a requirement to use Unified Configuration with Messaging Server, however, Unified Configuration provides a number of benefits over legacy configuration. If you decide to not use Unified Configuration, rerun the `configure` command without `--xml` option to create a legacy configuration, then recreate any configuration changes you made while running under Unified Configuration.

To learn more about Unified Configuration, see "Overview of Messaging Server Unified Configuration" in

Prerequisites for Configuring Messaging Server

Before running the `configure` program, you must:

- Install and configure the Directory Server.
- Run the `comm_dssetup.pl` program. See [Communications Suite Directory Server Setup Script \(comm_dssetup.pl\)](#).
- Record your Directory installation and configuration parameters.

Messaging Server Configuration Checklist

Before you run the `configure` program, record your parameter choices in [Configuration Worksheets - Messaging Server](#). To answer certain questions, refer to your Directory Server installation and configuration parameters that you also recorded.

High-level Overview of Configuring Messaging Server

Performing an initial run-time configuration of Messaging Server involves the following high-level steps:

1. Creating a Unix system user and group for Messaging Server
2. Checking that DNS is properly configured
3. Preparing Directory Server for Messaging Server configuration by running the `comm_dssetup.pl` script
4. Creating the initial Messaging Server runtime configuration by running the `configure` command

Additionally, other steps to perform include the following:

1. Installing tools to provision Messaging Server
2. Modifying SMTP relay blocking configuration
3. Enabling Messaging Server startup after a reboot
4. Becoming familiar with best practices for performance tuning

The following sections describe in detail how to configure Messaging Server.

Creating UNIX System Users and Groups

System users run specific server processes, and privileges need to be given to these users so that they have appropriate permissions for the processes they are running.

Set up a system user account and group for all Communications Suite servers, and set permissions for the directories and files owned by that user.



Note

For security reasons, in some deployments it might be desirable to have different system administrators for different servers. This is done by creating different system users and groups per server. For example, the system user for Messaging Server would be different from the system user for Web Server, and system administrators administering Messaging Server would not be able to administer the Web Server.

To Create UNIX System Users and Groups

Creating UNIX system users and groups is optional. The configure initial configuration script does this if necessary.

1. Log in as root.
2. Create a group name for server processes to which your system users belong.

For example:

```
groupadd mail
```

3. Create a user name for system processes and associate it with the group name you just created. In addition, set the password for that user.

For example:

```
useradd -g mail mailsrv
```

The useradd and usermod commands are located in the /usr/sbin directory. See UNIX man pages for more information.

4. You might also need to check the /etc/group and /etc/passwd files to be sure that the user has been added to the system group that you created.



Note

Should you decide not to set up UNIX system users and groups prior to installing Messaging Server, you are able to specify them when you run the configuration script. However, if the user name for server processes already exists, then the primary group for that user name is used, and the configuration script does not prompt for the option.

Checking the DNS Configuration

Check that DNS is running and configured properly for the Messaging Server host. The following example is for a host running Solaris 10 OS. The configuration is slightly different for a host running Solaris 11 OS.

1. Ensure that DNS is properly configured and that it is clearly specified how to route to hosts that are not on the local subnet.
 - The /etc/defaultrouter file should contain the IP address of the gateway system. This address must be on a local subnet.
 - The /etc/resolv.conf file exists and contains the proper entries for reachable DNS servers and domain suffixes.
 - In the /etc/nsswitch.conf file, the hosts: and ipnodes: line has the files, dns and nis keywords added. The keyword files must precede dns and nis. So if the lines look like this:

```
hosts: nis dns files
ipnodes: nis dns files
```

They should be changed to this:

```
hosts: files nis dns
ipnodes: files nis dns
```

2. Make sure that the FQDN is the first host name specified after the IP address in the `/etc/hosts` file.

If your Internet host table in your `/etc/hosts` file looks like this:

```
123.456.78.910 budgie.west.sesta.com
123.456.78.910 budgie loghost mailhost
```

Change it so that there is only one line for the IP address of the host. Be sure the first host name is a fully qualified domain name. For example:

```
123.456.78.910 budgie.west.sesta.com budgie loghost mailhost
```

- You can verify that the lines are read correctly by running the following commands:

```
# getent hosts <ip_address>
# getent ipnodes <ip_address>
```

If the lines are read correctly, you should see the IP address followed by the FQDN and then the other values.

For example:

```
# getent hosts 192.18.126.103
192.18.126.103 budgie.west.sesta.com budgie loghost mailhost
```

Preparing Directory Server for Messaging Server Configuration

For more information on directory preparation and the directory preparation script `comm_dssetup.pl`, see [Communications Suite Directory Server Setup Script \(comm_dssetup.pl\)](#). The `comm_dssetup.pl` script prepares the Directory Server by setting up new schema, index, and data in your Directory Server. Run `comm_dssetup.pl` before installing or upgrading any Communications Suite product that is dependent on the Directory Server (such as Messaging Server, Calendar Server, Convergence, and so on).



Note

Always run the latest version of `comm_dssetup.pl` if you are upgrading any of the component products that depend on Directory Server.

Creating the Initial Messaging Server Runtime Configuration

The `configure` program provides a configuration to get your Messaging Server up and running. It is meant to create an initial runtime configuration to set up a generic functional Messaging Server configuration. Thus it gives you a base working configuration from which you can make your specific customizations. The program is only meant to be run once. Subsequent running of this program

overwrites the existing configuration. To modify your initial runtime configuration, use the configuration utilities described here and in *Messaging Server Administration Reference*.

To Run the Configure Program

1. Invoke the Messaging Server initial runtime configure command.
 - To configure a legacy configuration, run `msg-svr-base/sbin/configure`.
 - To configure a Unified Configuration, run `msg-svr-base/sbin/configure --xml`. For more information on deciding to use Unified Configuration, see "Overview of Messaging Server Unified Configuration" in *Messaging Server Unified Configuration System Administrator's Guide*.

The following table describes options you can set with the configure program:

Option	Description
<code>--debug</code>	Provides general debug information primarily for LDAP operations.
<code>--help</code>	Displays help
<code>--ignoreSendmail</code>	Keeps sendmail enabled after configuration. In other words, does not disable sendmail after configuration.
<code>--ldapport [ldapport]</code>	Specifies an LDAP port other than the default port 389.
<code>--ldif</code>	Causes configure to run without modifying the directory and instead generate an ldif file (<code>msg-svr-base/data/install/configure.ldif</code>) which the admin can apply to the directory after initial configuration. This is needed if the person doing the installation does not have directory admin rights.
<code>--nolldap</code>	Runs without LDAP present (statefile only)
<code>--novalidate</code>	Skips most validation of user input.
<code>--noxml</code>	Generates legacy configuration (does not use XML-based Unified Configuration); can also be used to replace a Unified Configuration with a freshly generated legacy configuration (fresh installation of Messaging Server, not an upgrade where the <code>configtoxml</code> command was run).
<code>--saveState [statefile]</code>	Specifies a location other than the default location (mentioned below) to save a state file.
<code>--ssl [ss]</code>	Requires SSL when configuring LDAP.
<code>--state [statefile]</code>	Uses a silent installation file. See To Perform a Silent Installation .
<code>--version, --V</code>	Displays product version.
<code>--xml</code>	Generates Unified Configuration (XML).

After running the command, the welcome text appears.

2. Select the directory where you want to store the Messaging Server configuration and data files. Symbolic links are created under the `msg-svr-base` directory to the configuration and data directory. For more information on these symbolic links, see [Post-Installation Directory Layout](#). Make sure you have large enough disk space set aside for these files. The "Overwrite the existing configuration" prompt appears if you have an existing configuration.
 - a. If you do receive the "Overwrite" message, to accept the default of yes, press Enter.

- b. Otherwise, type **n** to enter a different directory path.
3. Select the user name for server processes.
To accept the default user name `mailsrv`, press Enter. Otherwise, type the user name for the server processes.
 4. Select the group name for server processes.
To accept the default group name `mail`, press Enter. Otherwise, type the group name for the server processes. This question appears only if the UNIX user name has not yet been created.
 5. Select the fully-qualified local host name.
This is the machine on which Messaging Server runs. When you installed the server, you might have specified the physical host name. However, if you are installing a cluster environment, use the logical host name. Here is the chance to change what you originally specified.
 6. Type the default mail domain.
 7. Select the host name for the LDAP Directory Server.
 8. Select the LDAP administrator login.
The Directory Manager has overall administrator privileges on the Directory Server and all Communications Suite servers that make use of the Directory Server (for example, the Messaging Server) and has full administration access to all entries in the Directory Server. The default and recommended Distinguished Name (DN) is `cn=Directory Manager` and is set during Directory Server configuration.
If you are installing against a replicated Directory Server instance, you must specify the credentials of the replica, not the master directory.
 9. Type the LDAP administrator password.
Messages similar to the following appear:

```
==Checking Directory Server Setup from comm_dssetup
Domain Suffix: o=isp
User/Group Suffix: o=isp
Mail List User Suffix: o=mlusers
Schema Type: 2
```

10. Type a mail address for postmaster notices.
Select an address that your administrator actively monitors. For example, `pma@siroe.com` for a postmaster on the `siroe` domain. This address cannot begin with "Postmaster."

**Note**

The user of the email address is not automatically created (although the default "admin" user is automatically created). Therefore, you need create it later by using a provisioning tool.

11. Type the IP addresses of hosts that are permitted to relay mail without authentication.
You can use the `$(IP-pattern/significant-prefix-bits)` syntax. This information creates the appropriate mapping entries. It is important that you modify your configuration to match the needs of your site. Specifically, your Messaging Server should recognize its own internal systems and subnets from which SMTP relaying should always be accepted. If you do not update this configuration, you might encounter problems when testing your MTA configuration. For more information, see [Configuring SMTP Relay Blocking](#).
12. Type the password for administrator accounts.
Type an initial password to be used for service administrator, server, user/group administrator, end user administrator privileges as well as PAB administrator and SSL passwords.
After creating the initial runtime configuration, you might change this password for individual administrator accounts. For more information, see the topic on modifying your passwords in *Messaging Server System Administrator's Guide*.
13. Verify the password for administration.
Retype the administration password.
14. The program displays the changes that it makes as well post-configuration changes that you might want to make.
See [Messaging Server 7.0.5.31.0 configure Sample for Legacy Configuration](#) and [Messaging](#)

Server 7.0.5.31.0 configure [Sample for Unified Configuration](#) for more information.

To Start Messaging Server

- To start Messaging Server, use the following command:

```
cd <msg-svr-base>/bin
./start-msg
```

To Perform a Silent Installation

The Messaging Server initial runtime configuration program automatically creates a silent installation *state* file (called *saveState*) that can be used to quickly configure additional Messaging Server instances in your deployment where the Messaging Server packages have been installed. All of your responses to the configuration prompts are recorded in that file.

By running the silent installation, you instruct the *configure* program to read the silent installation state file. The *configure* program uses the responses in this file rather than ask the same installation questions again for subsequent initial runtime configurations of Messaging Server. When you use the state file in a new installation, you are not asked any questions. Instead, all of the state file responses are automatically applied as the new installation parameters.

The silent installation *saveState* file is stored in the *msg-svr-base/data/setup/* directory.

To use the silent installation file to configure another Messaging Server instance on another machine in the deployment, follow these steps:

1. Copy the *saveState* file to a temporary area on the machine where you are performing the new installation.
2. Review and edit the *saveState* file as necessary.
The *saveState* file contains *parameter = value* pairs. Change parameters and values as needed. For example, the default email domain for the new installation might be different than the default email domain recorded in the *saveState* file. Remember that the parameters listed are automatically applied to this installation. Almost always, you need to change the host name (*Fqdn.TextField*). The *UGDIR_BINDPW* and *admin.password* fields are obfuscated but still need to be kept private.
3. Run the following command to configure other machines with the silent installation file:

```
cd <msg-svr-base>/bin
./configure -state <statefile>
```

where *statefile* is file name of the *saveState* file, including the full path to the file. (See Step 1 of this section).



Note

After running the silent installation program, a new state file is created from the silent installation in the *msg-svr-base/data/setup/* directory.

Configuring Messaging Server Against a Directory Server Replica

The following conditions might prevent you from configuring Messaging Server against a Directory Server

host:

- You do not have Directory Server credentials.
- Messaging Server cannot communicate directly with the Directory Server master.

To Configure Messaging Server Against a Directory Server Replica

This task describes how to configure your deployment to be able to run Messaging Server against a Directory Server replica. You need to update the Directory Server master, which then feeds the replica with the necessary changes. You cannot update the Directory Server replica directly because the master Directory Server overwrites it.

1. Run the Messaging configure program using the replicated Directory Server credentials as described in [Creating the Initial Messaging Server Runtime Configuration](#). Use the `--ldif` option to produce the `msg-svr-base/data/install/configure.ldif` file that is needed to allow proper privileges to the Directory Server.
2. Move the `configure.ldif` file to the Directory Server master.
3. Run the `ldapmodify` command on the `configure.ldif` file. Once the changes are replicated to the Directory Server replica, it is now configured to work with your Messaging Server.

Installing Messaging Server Provisioning Tools

To learn more about the schema and provisioning options for Messaging Server and Communications Suite, see the topic on understanding schema and provisioning options in *Unified Communications Suite Deployment Planning Guide*.

Configuring SMTP Relay Blocking

Starting with Messaging Server 7 Update 5, the configure program prompts you to enter host IP addresses that are allowed as SMTP relay hosts. The configure program uses this information to construct the appropriate mapping entries.

By default, Messaging Server is configured to block attempted SMTP relays. That is, Messaging Server rejects attempted message submissions to external addresses from unauthenticated external sources (external systems are any other system than the host on which the server itself resides). This default configuration is quite aggressive in blocking SMTP relaying in that it considers all other systems to be external systems.

IMAP and POP clients that attempt to submit messages by using Messaging Server system's SMTP server destined for external addresses, and which do not authenticate using SMTP AUTH (SASL), find their submission attempts rejected. Which systems and subnets are recognized as internal is typically controlled by the `INTERNAL_IP` mapping table. In Unified Configuration, this mapping table is part of the overall configuration, and is viewed or edited by using the `msconfig` command. In legacy configuration, this mapping table is found in the `msg-svr-base/config/mappings` file.

For instance, on a Messaging Server system whose IP address is 192.45.67.89, the default `INTERNAL_IP` mapping table would appear as follows:

```
INTERNAL_IP
$(192.45.67.89/32) $Y
127.0.0.1 $Y
* $N
```

The initial entry, using the `$(IP-pattern/significant-prefix-bits)` syntax, is specifying that

any IP address that matches the full 32 bits of 192.45.67.89 should match and be considered internal. The second entry recognizes the loopback IP address 127.0.0.1 as internal. The final entry specifies that all other IP addresses should not be considered internal.

You can add additional entries by specifying additional IP addresses or subnets before the final \$N entry. These entries must specify an IP address or subnet (using the \$(.../...) syntax to specify a subnet) on the left side and \$Y on the right side. Or you can modify the existing \$(.../...) entry to accept a more general subnet.

For instance, if this same sample site has a class C network, that is, it owns all of the 192.45.67.0 subnet, then the site would want to modify the initial entry so that the mapping table appears as follows:

```
INTERNAL_IP
$(192.45.67.0/24) $Y
127.0.0.1 $Y
* $N
```

Or if the site owns only those IP addresses in the range 192.45.67.80-192.45.67.99, then the site would want to use:

```
INTERNAL_IP
! Match IP addresses in the range 192.45.67.80-192.45.67.95
$(192.45.67.80/28) $Y
! Match IP addresses in the range 192.45.67.96-192.45.67.99
$(192.45.67.96/30) $Y
127.0.0.1 $Y
* $N
```

The *msg-svr-base/bin/imsimta test -match* utility can be useful for checking whether an IP address matches a particular \$(.../...) test condition. The *imsimta test -mapping* utility can be more generally useful in checking that your INTERNAL_IP mapping table returns the desired results for various IP address inputs.

After modifying your INTERNAL_IP mapping table, be sure to issue the *msg-svr-base/bin/imsimta cnbuild* (if you are using a compiled configuration) and the *msg-svr-base/bin/imsimta restart* utilities so that the changes take effect.

Further information on the mapping file and general mapping table format, as well as information on imsimta command-line utilities, can be found in *Messaging Server Administration Reference*. In addition, information on the INTERNAL_IP mapping table can be found in the topic on adding SMTP relaying in *Messaging Server System Administrator's Guide*.

Enabling Startup After a Reboot

You can enable Messaging Server startup after system reboots by using the bootup script. On Linux, this script is *msg-svr-base/data/install/Sun_MsgSvr*. For Solaris OS 10, you should use the Service Management Framework. That is, by default, Messaging Server is not restarted after a system reboot unless you run this script. In addition, this script can also start up your MMP, if enabled.

To Enable Messaging Server After a Reboot

1. Copy the *msg-svr-base/data/install/Sun_MsgSvr* script into the */etc/init.d* directory.
2. Change the following ownerships and access modes of the *Sun_MsgSvr* script:

Ownership (chown(1M))	Group Ownership (chgrp(1M))	Access Mode (chmod(1M))
root (superuser)	sys	0744

3. Change directories to the /etc/rc2.d directory and create the following link:

```
ln /etc/init.d/Sun_MsgSvr S92Sun_MsgSvr
```

4. Change directories to the /etc/rc0.d directory and create the following link:

```
ln /etc/init.d/Sun_MsgSvr K08Sun_MsgSvr
```

Performance and Tuning

Refer to *Unified Communications Suite Deployment Planning Guide* and *Messaging Server System Administrator's Guide*.

Post-Installation Directory Layout

After installing Messaging Server, its directories and files are arranged in the organization described in the following table. The table shows only those directories and files of most interest for typical server administration tasks.

Post-Installation Directories and Files

Directory	Default Location and Description
Messaging Server Base (<i>msg-svr-base</i>)	/opt/sun/comms/messaging/ or /opt/sun/comms/messaging64/ (default location) The directory on the Messaging Server machine dedicated to holding the server program, configuration, maintenance, and information files. To configure more than one Messaging Server base directory per machine, see Using the ALTROOT 7.0.6 Command-Line Argument.
Configuration config	<i>msg-svr-base/config/</i> Contains all of the Messaging Server configuration files, such as <i>config.xml</i> for Unified Configuration, or the <i>imta.cnf</i> and the <i>msg.conf</i> files, for legacy configuration. This directory is symbolically linked to the <i>config</i> subdirectory of the data and configuration directory (default: /var/opt/sun/comms/messaging64/) that you specified in the initial runtime configuration.
Log log	<i>msg-svr-base/log/</i> A convenience symbolic link to <i>msg-svr-base/data/log</i>, which contains the Messaging Server log files like the <i>mail.log_current</i> file.
Data data	<i>msg-svr-base/data/</i> Contains databases, configuration, log files, site-programs, queues, store and message files. The data directory includes the <i>config</i> and <i>log</i> directories. This directory is by default symbolically linked (on UNIX platforms) to the data and configuration directory (default: /var/opt/sun/comms/messaging64) that you specified in the initial runtime configuration.
System Administrator Programs bin	<i>msg-svr-base/bin/</i> Contains the Messaging Server system administrator executable programs and scripts such as <i>imsimta</i>, <i>configutil</i>, <i>stop-msg</i>, <i>start-msg</i>, and <i>uninstaller</i>.
Library lib	<i>msg-svr-base/lib/</i> Contains shared libraries, private executable programs and scripts, daemons, and non-customizable content data files. For example: <i>imapd</i> and <i>qm_maint.hlp</i>.
SDK Include Files include	<i>msg-svr-base/include/</i> Contains Messaging header files for Software Development Kits (SDK).
Examples examples	<i>msg-svr-base/examples/</i> Contains the examples for various SDKs.
Installation Data install	<i>msg-svr-base/data/install/</i> and <i>msg-svr-base/data/setup/</i> Contains installation-related data files such as installation log files, silent installation files, factory default configuration files, and the initial runtime configuration log files.

Post-Installation Port Numbers

In the installation and initial runtime configuration programs, port numbers are chosen for various services. These port numbers can range from 1 to 65535. Select numbers that do not conflict with port

numbers used by enabled system services or other third-party software. The authoritative list of registered port numbers is available at <http://www.iana.org>. The `/etc/services` also lists a subset of these numbers.

The following table lists the port numbers that are designated after installation.

Port Numbers Designated During Installation

Service	Port	Unified Configuration Option to Change Port	Legacy Configuration Parameter to Change Port	Unified Configuration Option to Enable/Disable Service	Legacy Configuration Parameter to Enable/Disable Service
Message Store				store.enable (1)	local.store.enable
IMAP Server	143	imap.port	service.imap.port	imap.enable (1)	service.imap.enable
POP Server	110	pop.port	service.pop.port	pop.enable (1)	service.pop.enable
IMAPS Server	993	imap.sslport	service.imap.sslport	imap.enablesslport (0)	service.imap.enablesslport
POPS Server	995	pop.sslport	service.pop.sslport	pop.enablesslport (0)	service.pop.enablesslport
LMTP Server	225	dispatcher.service: LMTP.tcp_ports	dispatcher.cnf	dispatcher.service: LMTP.enable	dispatcher.cnf (disable)
MTA					local.imta.enable
SMTP Relay	25	dispatcher.service: SMTP.tcp_ports	dispatcher.cnf	dispatcher.service: SMTP.enable	dispatcher.cnf (enable)
SMTP Submit	587	dispatcher.service: SMTP_SUBMIT.tcp_ports	dispatcher.cnf	dispatcher.service: SMTP_SUBMIT.enable	dispatcher.cnf (enable)
SMTPS Submit	465	dispatcher.service: SMTP_SUBMIT.tcp_ports	dispatcher.cnf	dispatcher.service: SMTPS_SUBMIT.enable	dispatcher.cnf (disable)
http mail proxy	8990	http.port	service.http.port	http.enable (1)	local.http.enable
https mail proxy	8991	http.sslport	service.http.sslport	http.enablesslport (0)	service.http.enablesslport
MMP				mmp.enable (0)	local.mmp.enable (0)
IMAP Proxy	143	imapproxy.tcp_listen: imapproxy1.tcp_ports	Aservice.cfg		Aservice.cfg
POP Proxy	110	popproxy.tcp_listen: popproxy1.tcp_ports	Aservice.cfg		Aservice.cfg

Submit Proxy	587	submitproxy. tcp_listen: popproxy1. tcp_ports	Aservice. cfg		Aservice.c
IMAPS Proxy	993	proxyimapssl	Aservice.cfg and ImapProxyAService. cfg		Aservice.c ImapProxyA cfg (disab
POPS Proxy	995	popproxy.tcp_ listen: ssl_ports	Aservice.cfg and PopProxyAService. cfg		Aservice.c PopProxyAS cfg (disab
Submits Proxy	465	submitproxy. tcp_listen: ssl_ports	Aservice.cfg and SmtProxyAService. cfg		Aservice.c SmtProxyA cfg (0)
Internal Servers					
watcher	49994	watcher. port	local.watcher. port	watcher. enable (1)	local. watcher. enable (1)
job_controller	27442	job_controller. tcp_ports	job_controller. cnf	mta. enable (1)	local. imta.enable
ENS	7997	ens.port	local.ens.port	ens. enable (0)	local.ens. enable (0)

JMQ Notification

Messaging Server can use Oracle GlassFish Message Queue, a standards-based messaging service, to send event notifications. Message Queue is provided as a shared component when you install Messaging Server or other Communications Suite products.

For More Information

See the topic on JMQ notification overview in *Messaging Server System Administrator's Guide* for information on integrating JMQ and Messaging Server.

Configuring Certificate Based Authentication

Messaging Server supports client certificate authentication. Support for dynamic CRL updates was introduced in Messaging Server 7 Update 4 and was "back-ported" to Messaging Server 7 Update 3.

For More Information

See *Unified Communications Suite Certificate Authentication Guide*.

Messaging Server 7.0.5.31.0 configure Sample for Legacy Configuration

Messaging Server 7.0.5.31.0 configure Sample for Legacy Configuration

The following shows a sample Messaging Server configure session for a legacy configuration.

```
# bin/configure
Welcome to Oracle Communications Messaging Server 7.0.5.31.0 20140505

This utility will perform the following actions:
* Select or create the Unix user identity used for server processes.
* Check comm_dssetup version used to prepare your Directory Server
* Initialize your Directory Server with a mail domain, admin user,
  administrative groups and access control.
* Initialize configuration and data files so the product is ready to
  start.
This will overwrite any existing configuration so if your server is
already
configured, press ctrl-C to exit now.

Path for Data and Configuration Files [/var/opt/sun/comms/messaging64]:
User Name for Server Processes [mailsrv]: mail
==Creating directories for server data and configuration files
Fully qualified local hostname [host1.example.com]:
Default mail domain name [example.com]: siroe.com
Hostname for LDAP Directory Server []:
LDAP administrator login [cn=Directory Manager]:
LDAP administrator password: password

==Checking Directory Server Setup from comm_dssetup
Domain Suffix: o=usergroup
User/Group Suffix: o=usergroup
Mail List User Suffix: o=mlusers
Schema Type: 2
Mail address for postmaster notices [admin@siroe.com]:

Enter IP address information for systems permitted to relay mail without
authentication. Press return when you've completed the list.
IP address or address prefix []:

Password for server administration:
Verify password for administration:

==Creating LDAP domain, group and admin accounts
==Creating Configuration Files
==Checking for Common Configuration Warnings
==Running lib/updateCfgVersion
LOGFILE =
/opt/sun/comms/messaging64/log/updateCfgVersion_20140811173421.log
-- Running stored -R
```



```
-- Running imsimta cleandb
-- updating /opt/sun/comms/messaging64/data/install/VERSION
==Writing Save State File
  /var/opt/sun/comms/messaging64/setup/saveState
==Disabling sendmail
  sendmail is already disabled.
Next Steps:
* Disable any other active mail servers on this host
* Configure sendmail client (see documentation for details)
* Make sure nsswitch.conf uses DNS for host lookups (details in
documentation)
* Make sure DNS MX/A record is present for 'siroe.com'
* Make sure DNS A record for 'host1.example.com' points to this machine
* Generate/Install SSL Certificate if SSL services desired
* Enable/Disable required services:
```

Service	Port	Change Port	Enable/Disable Service
-----	----	-----	-----
Message Store			local.store.enable (1)
IMAP Server	143	service.imap.port	service.imap.enable (1)
POP Server	110	service.pop.port	service.pop.enable (1)
IMAPS Server	993	service.imap.sslport	service.imap.enablesslport
(0)			
POPS Server	995	service.pop.sslport	service.pop.enablesslport
(0)			
LMTP Server	225	dispatcher.cnf	dispatcher.cnf (disabled)
MTA			local.imta.enable (1)
SMTP Relay	25	dispatcher.cnf	dispatcher.cnf (enabled)
SMTP Submit	587	dispatcher.cnf	dispatcher.cnf (enabled)
SMTPS Submit	465	dispatcher.cnf	dispatcher.cnf (disabled)
http mail proxy	8990	service.http.port	service.http.enable (1)
https mail proxy	8991	service.http.sslport	service.http.enablesslport
(0)			
MMP			local.mmp.enable (0)
IMAP Proxy	143	AService.cfg	AService.cfg (0)
POP Proxy	110	AService.cfg	AService.cfg (0)
Submit Proxy	587	AService.cfg	AService.cfg (disabled)
IMAPS Proxy	993	AService.cfg & ImapProxyAService.cfg	(disabled)
POPS Proxy	995	AService.cfg & PopProxyAService.cfg	(disabled)
Submits Proxy	465	AService.cfg & SmtpproxyAService.cfg	(disabled)
Internal Servers			
watcher	49994	local.watcher.port	local.watcher.enable (1)
job_controller	27442	job_controller.cnf	local.imta.enable (1)
ENS	7997	local.ens.port	local.ens.enable (1)
metermaid	63837	metermaid.config.port	local.metermaid.enable (0)

```
* Configure your network firewall to allow/block above services as
appropriate
* Enable RBAC non-root support for improved security
* Use 'start-msg' to start servers
  or Enable SMF for Messaging Server (see documentation for details)
Configuration Completed successfully
```

See log file for details:

`/var/opt/sun/comms/messaging64/log/configure_20140811173351.log`

Messaging Server 7.0.5.31.0 configure Sample for Unified Configuration

Messaging Server 7.0.5.31.0 configure Sample for Unified Configuration

The following shows a sample Messaging Server configure session for Unified Configuration.

```
# bin/configure --xml
Welcome to Oracle Communications Messaging Server 7.0.5.31.0 20140505

This utility will perform the following actions:
* Select or create the Unix user identity used for server processes.
* Check comm_dssetup version used to prepare your Directory Server
* Initialize your Directory Server with a mail domain, admin user,
administrative groups and access control.
* Initialize configuration and data files so the product is ready to
start.
This will overwrite any existing configuration so if your server is
already
configured, press ctrl-C to exit now.

Path for Data and Configuration Files [/var/opt/sun/comms/messaging64]:
User Name for Server Processes [mailsrv]: mail
==Creating directories for server data and configuration files
Fully qualified local hostname [host1.example.com]:
Default mail domain name [example.com]: siroe.com
Hostname for LDAP Directory Server []:
LDAP administrator login [cn=Directory Manager]:
LDAP administrator password: password

==Checking Directory Server Setup from comm_dssetup
Domain Suffix: o=usergroup
User/Group Suffix: o=usergroup
Mail List User Suffix: o=mlusers
Schema Type: 2
Mail address for postmaster notices [admin@siroe.com]:

Enter IP address information for systems permitted to relay mail without
authentication. Press return when you've completed the list.
IP address or address prefix []:

Password for server administration:
Verify password for administration: password

==Creating LDAP domain, group and admin accounts
==Creating Configuration Files
==Checking for Common Configuration Warnings
==Running lib/updateCfgVersion
LOGFILE =
/opt/sun/comms/messaging64/log/updateCfgVersion_20140811174012.log
-- Running stored -R
```

```

-- Running imsimta cleandb
-- Creating History Entry for Current Configuration --
-- updating /opt/sun/comms/messaging64/data/install/VERSION
==Writing Save State File
/var/opt/sun/comms/messaging64/setup/saveState
==Disabling sendmail
sendmail is already disabled.
Next Steps:
* Disable any other active mail servers on this host
* Configure sendmail client (see documentation for details)
* Make sure nsswitch.conf uses DNS for host lookups (details in
documentation)
* Make sure DNS MX/A record is present for 'siroe.com'
* Make sure DNS A record for 'host1.example.com' points to this machine
* Generate/Install SSL Certificate if SSL services desired
* Enable/Disable required services:
Service Option (default)
-----
Message Store store.enable (1)
IMAP Server imap.port (143)
imap.enable (1)
POP Server pop.port (110)
pop.enable (1)
IMAPS Server imap.sslport (993)
imap.enablesslport (0)
POPS Server pop.sslport (995)
pop.enablesslport (0)
MTA mta.enable (1)
SMTP Relay dispatcher.service:SMTP.tcp_ports (25)
SMTP Submit dispatcher.service:SMTP_SUBMIT.tcp_ports (587)
http mail proxy http.port (8990)
http.enable (1)
https mail proxy http.sslport (8991)
http.enablesslport (0)
MMP mmp.enable (0)
IMAP Proxy imaproxy.tcp_listen:imaproxy1.tcp_ports (143)
POP Proxy popproxy.tcp_listen:popproxy1.tcp_ports (110)
Submit Proxy submitproxy.tcp_listen:submitproxy.tcp_ports (not set)
IMAPS Proxy imaproxy.tcp_listen:imaproxy1.ssl_ports (not set)
POPS Proxy popproxy.tcp_listen:popproxy1.ssl_ports (not set)
Submits Proxy submitproxy.tcp_listen:submitproxy.ssl_ports (not set)
Internal Servers
watcher watcher.port (49994)
watcher.enable (1)
job_controller job_controller.tcp_ports (27442)
ENS ens.port (7997)
ens.enable (1)
metermaid metermaid.port (63837)
metermaid.enable (0)
* Configure your network firewall to allow/block above services as
appropriate
* Enable RBAC non-root support for improved security
* Use 'start-msg' to start servers
or Enable SMF for Messaging Server (see documentation for details)
A new unified configuration has been created. You can manage your
configuration with the "msconfig" command and use it to view changes

```

or roll back to previous revisions. See the documentation for more information. Unified configuration is automatically active when you have a "config.xml" file in your configuration directory.

If you have already been using the legacy configuration files such as "imta.cnf" and are not yet ready to upgrade to unified configuration, you may re-run this tool as follows to generate a legacy configuration:

```
/opt/sun/comms/messaging64/bin/configure --noxml  
--state=/var/opt/sun/comms/messaging64/setup/saveState  
Configuration Completed successfully
```

See log file for details:
`/var/opt/sun/comms/messaging64/log/configure_20140811173951.log`

Chapter 68. Messaging Server 7.0.5.31.0 Release Notes

Oracle Communications Messaging Server 7.0.5.31.0 Release Notes

These Release Notes contain important information available at the time of the general release of Oracle Communications Messaging Server 7.0.5.31.0.

Topics:

- [About Messaging Server 7.0.5.31.0](#)
- [New Features in This Release of Messaging Server](#)
- [Deprecated and Removed Features for Messaging Server](#)
- [Requirements for Messaging Server 7.0.5.31.0](#)
- [Messaging Server Installation Notes](#)
- [Problems Fixed in This Release of Messaging Server](#)
- [Known Problems in Messaging Server](#)
- [Redistributable Files for Messaging Server](#)

About Messaging Server 7.0.5.31.0

Messaging Server is a high-performance, highly secure messaging platform that can scale from thousands to millions of users. It provides extensive security features that help ensure the integrity of communications through user authentication, session encryption, and the appropriate content filtering to reduce spam and viruses. With Messaging Server, enterprises and service providers can provide secure, reliable messaging services for entire communities of employees, partners, and customers.

Messaging Server provides a powerful and flexible solution to the email needs of enterprises and messaging hosts of all sizes by using open Internet standards.

New Features in This Release of Messaging Server

See [New Features in Messaging Server 7.0.5.31.0](#).

Deprecated and Removed Features for Messaging Server

Support for the following features may be eliminated in a future release, may be already removed in this release, or removed in a previous release:

- [Deprecation of MMP Legacy Log Format](#)
- [Deprecation of msgcert](#)
- [Deprecation of local.sslv3enable default](#)
- [Deprecation of MoveUser and msgssh Commands \(formerly msgadm\)](#)
- [Red Hat Linux 32-bit Version and Red Hat Linux 4](#)
- [Message Store Feature](#)
- [MTA BDB Databases](#)
- [SIMS 4.0 IMTA SDK](#)
- [Oracle GlassFish Message Queue](#)
- [Sparse Zones](#)

- Deprecation of Enabling POP Before SMTP
- Deprecation of imexpire -s Feature
- Deprecation of readership Feature
- native, unix and file mailDeliveryOption Settings Depreciated
- Messaging Multiplexor's (MMP) default:SSLSecModFile Option Removed

Deprecation of MMP Legacy Log Format

The MMP legacy log format is deprecated and may be removed in a future release. It is enabled by the `use_nslog` option, which the MMP may ignore in a future release.

Deprecation of msgcert

This command has been removed in Messaging Server 7 Update 5. The `msgcert` command's key generation and certificate request capabilities are obsolete due to recent weakness in MD5 and the NIST 2010 guidelines for SSL security strength. Use `certutil` with appropriate options (`-Z SHA1 -g 2048`) or other third-party certificate generation tools to create certificates and certificate requests with up-to-date security strength. See *Unified Communications Suite Certificate Authentication Guide* for more information on using `certutil`.

Deprecation of local.sslv3enable default

The `local.sslv3enable` parameter determines whether legacy support for the SSLv3 protocol (as opposed to the modern TLS protocol) is enabled. The security community considers SSLv3 deprecated and thus we recommend customers disable SSLv3 if possible. Because some older mail clients may only support SSLv3, we have presently left this enabled, but this default is now deprecated and may be changed in a future release.

Deprecation of MoveUser and msgssh Commands (formerly msgadm)

These two ancillary utilities are now considered deprecated. There are no plans to enhance these utilities and they may be removed in a future release.

The `MoveUser` command is inferior to the `rehostuser` command for moving users within a deployment, and is inferior to `imsbackup` and `imsrestore` for moving users from old to new product installations. Third-party `imacopy` utilities are available for moving users between IMAP servers from different vendors.

A regular `ssh` session with appropriately configured RBAC (Solaris OS) or `sudo` (Red Hat Linux) provides enhanced security when compared to the `msgssh` command. In addition, an `ssh` session provides a more flexible framework for remote administration, because it supports administration of co-located products in addition to just Messaging Server.

Red Hat Linux 32-bit Version and Red Hat Linux 4

Support for the 32-bit Red Hat Linux version of Messaging Server and support for the Red Hat Linux 4 platform is deprecated and may be removed in a future release.

Message Store Feature

Support for the `readership` command is deprecated and may be removed in a future release.

MTA BDB Databases

MTA access to database files and the `imsimta` tools to manipulate MTA database files have been

deprecated since the Messaging Server 6 release, and may be removed in a future release. MTA text databases continue to be supported.

SIMS 4.0 IMTA SDK

The SIMS 4.0 IMTA SDK has been deprecated since iPlanet Messaging Server 5 was released and may be removed in a future release. The current MTA SDK remains supported.

Oracle GlassFish Message Queue

Do not use the Oracle Glassfish MQ C SDK (also known as OpenMQ and JMQ), as it is deprecated. Oracle reserves the right to change the underlying protocol and the JMS provider used to provide Java JMS support for notifications in a future release. In the event this happens, the JMQ C SDK ceases to interoperate. Use of Java JMS (presently with the Oracle Glassfish MQ provider) and the ENS C API is supported.

Sparse Zones

Sparse zone support is deprecated and may be removed in a future release.

Deprecation of Enabling POP Before SMTP

SMTP Authentication, or SMTP Auth (RFC 2554) is the preferred method of providing SMTP relay server security. SMTP Auth allows only authenticated users to send mail through the MTA. The MMP has a legacy POP before SMTP feature. This feature is now deprecated and may be removed in a future release.

Deprecation of imexpire -s Feature

This feature is deprecated and may be removed in a future release.

Deprecation of readership Feature

This feature is deprecated and may be removed in a future release.

native, unix and file mailDeliveryOption Settings Deprecated

The native, unix and file mailDeliveryOption settings are deprecated and may be removed in a future release.

If you actively depend on these features please contact Oracle support.

Beginning with Messaging Server 7 Update 5, the initial unified configuration will no longer include a channel block and channel class for the native channel. The native and file delivery options will not work by default. There is no expected impact to customers using an existing configuration that is upgraded at this time.

Messaging Multiplexor's (MMP) default:SSLSecModFile Option Removed

The Messaging Multiplexor's (MMP) default:SSLSecModFile option has been removed and is no longer honored.

The Messaging Multiplexor uses the NSS shared DB feature by default.

Requirements for Messaging Server 7.0.5.31.0

See [Requirements for Communications Suite 7.0.6](#).



Note

For information about upgrading to Messaging Server 7.0.5.31.0 from a previous version of Messaging Server, see [Messaging Server Installation Notes](#).

Messaging Server Installation Notes

These installation notes pertain to the Messaging Server 7.0.5.31.0 release. This section contains the following subsections:

- [Installation Overview for Messaging Server](#)
- [Upgrade Instructions for Messaging Server](#)

Installation Overview for Messaging Server

Use the Communications Suite installer to install Messaging Server.

For installation instructions, see the [Communications Suite 7.0.6 Installation Guide](#).

After installation is complete, you must configure Messaging Server by:

1. Running the Directory Server Preparation Tool, `comm_dssetup.pl`
2. Running the Messaging Server configuration program

For configuration instructions, see the [Communications Suite 7.0.6 Initial Configuration](#) information.

Upgrade Instructions for Messaging Server

If you are upgrading to Messaging Server 7.0.5.31.0 from an earlier release, follow the upgrade instructions in the [Communications Suite 7.0.6 Upgrade Guide](#).

Problems Fixed in This Release of Messaging Server

Problems Fixed in Messaging Server 7.0.5.31.0

The following table lists problems fixed in Messaging Server 7.0.5.31.0.

Problems Fixed

Service Request (SR) Number	BugDB Number	Description
3-8926671291	18735643	Support TLS_*_RSA_WITH_AES_128_GCM_SHA256 cipher suites from RFC 5288
3-8925059631	18693000	SRS address processing not treated as an alias
3-8902209411	18657391	imapd core in index_check: need more tolerance for uidvalidity change

3-8883735441	18640474	config local.ssldblegacy changes do not report restart requirement
NA	18639784	IMAPD Crash Due To Invalid MIME Boundary
3-8857423891	18617538	imsconnutil truncates uid
3-8809516511, 3-8876044381	18593948	mtaDequeueStart does not reset qtype - master process ends prematurely
3-8763844061, 3-9029253691	18538233	ER to Change Default MTA FD Limit in MS 7u5
3-8668110291, 3-8656775341	18376398	Tcp_smtp_server Process Core Dumping
3-8602857581	18322911	way to compact mboxlist DBs
3-8602857581, 3-8579890461	18300773	expunge does not remove annotations
NA	18292050	mboxutil -r should not touch annotate.db when switching partitions
3-8579890461, 3-8602857581	18290822	need a way to remove orphaned annotation records
3-8544604071, 3-8546299398	18246338	Message store support for passwordMustChange / pwdReset set to TRUE
NA	18224264	Ability to customize imapd capability list
3-8192540841	18167727	MMP hangs when using deprecated SMTP Proxy feature and MMP gets SIGHUP/refresh
NA	18090901	IMAP Threads Hang in JMQ Notify
NA	18020181	FORWARD mapping loop check can trigger when it shouldn't
3-8298462321	18018827	assert in userattr_get_attrs in autocreate should log an error
3-8166228311	17984800	Unable to specify different locations for MMP Certificate Databases and CacheDir
NA	17931538	MMP log 'STARTTLS failed for IP' missing detailed SSL error
3-8161821581	17890339	Extraneous text at end of connection failure messages
3-8166228311	17880475	AService cores on ssl3_GatherData()
NA	17828026	Problem parsing certain imsimta commands
3-8902209411	17815105	IMAP append writes the mailbox header with the same data twice
NA	17801830	Variables cannot be references directly in system-level sieves
3-8028870941	17762314	Missing ICU libs
NA	17664304	Sieve header tests don't work on newly added headers in redirected messages
3-8141739531	17596568	ER ISS subset of RFC 6237 IMAP4 Multimapbox SEARCH Extension

3-7576213511, 3-7971369641, 3-8198978611, 3-8489416331, 3-8572641961, 3-8988815901, 3-9019475661, 3-9019345101, 3-9234547761	17388699	mshttpd cores in from_uid again
---	----------	---------------------------------

Red Hat Enterprise Linux 5 SNMP

Red Hat Enterprise Linux 5 only supports use of Simple Network Management Protocol (SNMP) by 64-bit products. If you want to use the 32-bit version of Messaging Server, SNMP support is only available on Red Hat Enterprise Linux 4. The 64-bit version of Messaging Server does include SNMP support on Red Hat Enterprise Linux 5.

Known Problems in Messaging Server

Known Problems in Messaging Server 7.0.5.31.0

This section describes known problems in Messaging Server 7.0.5.31.0.

MS_SCHA Agent Binary Files Should Be Owned by Root User

SR number: NA
Bug number: 17470656

During HA installation, Messaging Server resource creation failed because agent binary files were owned by bin:bin.

Workaround: Go to the MS_SCHA agent bin directory and change ownership of all files to root : root.

For example:

```
# cd /opt/sun/comms/msg_scha/bin
# chown root:root *
```

Old mqueue Extent Files Are Not Removed

SR number: NA
Bug number: 14588595

Usually, unused extent files are purged by BDB automatically. However, if the Store fails and restarts, BDB can lose track of the unused extent files and leave them unpagged.

Using SSL with Messaging Server 7.0.5.31 MMP, encryption.rsa.nssslpersonalityssl Must Be Set

After upgrading the MMP from Messaging Server 7 Update 4 to Messaging Server 7.0.5.31 and later, the following error was seen in the imapproxy log even though SSL was properly enabled in the ImapProxyAService.cfg file.

```
[<time stamp>] mmp ImapProxyAService.cfg[...]: General Error:  
(id 1) couldn't enable SSL for client <ip client>:<port>, server <ip  
address server>:993; make sure mmp.sslenable is 1
```

Workaround: Set the configutil parameter `encryption.rsa.nssslpersonalityssl` by running the following command.

```
configutil -o encryption.rsa.nssslpersonalityssl -v <certname>
```

Restart the MMP.

SR number: 3-9693315031

Bug number: 19803397

Redistributable Files for Messaging Server

The following redistributable files are provided with Messaging Server:

- You can copy and use (but not modify) the following header files solely to create and distribute programs to interface with Messaging Server APIs, to compile customer written code using the documented API to interoperate or integrate with Messaging Server, and only as expressly provided in the Messaging Server documentation:
 - *msg-svr-base/examples/tpauthsdk/authserv.h*
 - All files in the *msg-svr-base/include* directory (default location)
- The following files are provided solely as reference for writing programs that use the documented API to integrate with Messaging Server:
 - *msg-svr-base/examples/tpauthsdk/*
 - *msg-svr-base/examples/mtasdk/*

Chapter 69. Messaging Server 7.0.5.31.0 Sun Cluster HA Agent Initial Configuration

Oracle Communications Messaging Server 7.0.5.31.0 Sun Cluster HA Agent Initial Configuration

After installing the Messaging Server Sun Cluster HA Agent software, you need to perform an initial configuration by running the following command:

```
<msg-scha-base>/bin/init-config
```

This command registers the HA agent with the Sun Cluster HA software. You must have the Sun Cluster HA software installed prior to issuing this command.



For Messaging Server 7 Update 2 Only

After configuring Messaging Server 7 Update 2 for HA or upgrading to Messaging Server 7 Update 2 in HA, if you are using a compiled configuration, you must recompile the configuration by issuing the command:

```
imsimta cnbuild
```

Otherwise, the Messaging Server fails to start in the HA environment.

Chapter 70. Messaging Server 7.0.5.31.0 Upgrade

Oracle Communications Messaging Server 7.0.5.31.0 Upgrade



Caution

Because of database incompatibilities between Messaging Server 7.0.5.31.0 and versions prior to Messaging Server 7 Update 5, you cannot downgrade to versions prior to Messaging Server 7 Update 5 by "backing out" the upgrade. For instructions, see [Downgrading From Messaging Server 7.0.5.31.0](#).

This information describes the three Messaging Server upgrade strategies and procedures to upgrade individual hosts within a deployment. It assumes that you have chosen a target deployment, and have developed an architectural design and deployment plan.

Topics:

- [About Messaging Server Unified Configuration](#)
- [Upgrading Messaging Server Overview](#)
- [Messaging Server Upgrade Strategies](#)
- [Using the Side-by-Side Strategy to Upgrade Messaging Server](#)
- [Using the In-Place Upgrade on Messaging Server](#)
- [Upgrading Messaging Server with Webmail Over IMAP Protocol](#)



Note

If you are upgrading from Sun Java System Messaging Server 5.2, refer to "Coexistent Upgrades From iPlanet Messaging Server 5.2" in *Unified Communications Suite 6 Update 1 Installation and Configuration Guide* for additional information.

About Messaging Server Unified Configuration

Beginning with Messaging Server 7 Update 5, Messaging Server has the capability to create a Unified Configuration. Unified Configuration provides an improved, streamlined process to configure and administer Messaging Server. Unlike in legacy configurations (Messaging Server 7 Update 4 and prior releases), Unified Configuration uses validation to verify configuration accuracy, and employs a single tool to configure the entire Messaging Server configuration (with a few exceptions). Thus, moving your deployment to Unified Configuration simplifies administration and reduces configuration mistakes.

After upgrading to Messaging Server 7 Update 5 and later, you can decide to migrate your legacy configuration to Unified Configuration. It is not a requirement to use Unified Configuration with Messaging Server 7 Update 5 and later, however, Unified Configuration provides a number of benefits over legacy configuration. When you convert to Unified Configuration, Messaging Server saves your old legacy configuration in the *configroot/legacy-config* directory. If necessary, you can restore a saved legacy configuration at the time you converted, however, all changes made to your configuration after converting to Unified Configuration are lost. You can migrate to Unified Configuration after you have completed the upgrade. You are not required to migrate to Unified Configuration during the upgrade process.

To help you decide to migrate to Unified Configuration, see "Overview of Messaging Server Unified Configuration" in *Messaging Server Unified Configuration System Administrator's Guide*.

Upgrading Messaging Server Overview

A Messaging Server deployment can consist of multiple back-end message stores, multiple Webmail servers, front-end MMPs, and MTA relays. Like all upgrades, you proceed on a host-by-host basis. Upgrading a Messaging Server deployment includes the following high-level steps:

- Backing up the Messaging Server data
- [Upgrading and running `comm\_dssetup.pl` to the latest version](#) before upgrading Messaging Server
Messaging 7.0.5.31.0 requires you to apply at least `comm_dssetup.pl` version 6.4.0.25.0 against Directory Server. The Communications Suite 7.0.6 distribution includes `comm_dssetup.pl` version 6.4.0.26.0.
- Defining your [upgrade target](#) and the required products and components for that target
- Reviewing your Messaging Server architecture and topology
Although you might be satisfied with your current Messaging Server architecture and topology, upgrading can provide the opportunity to redesign your deployment for more optimal performance. Refer to the *Unified Communications Suite Deployment Planning Guide* for more information.
- Selecting the upgrade sequence of individual Messaging Server hosts
This includes upgrading components such as the message store servers, proxies, Webmail servers, and front-end relays.
- [Choosing a Messaging Server upgrade strategy for each host](#)
Three Messaging Server upgrade strategies offer choices that strike a balance between system downtime, cost, simplicity, and risk. You choose a strategy for each host, and you can use different strategies on different hosts within a Messaging Server deployment.



Note

As of Communications Suite 7, Messaging Server 32-bit has been dropped on Oracle Solaris.

- Upgrading the Messaging Server software
Use Messaging Server 7.0.5.31.0 or the latest patch. See [My Oracle Support](#) for patch information.
- Optional: Migrating to Unified Configuration
Use the `configtoxml` command to migrate from legacy configuration to Unified Configuration. See the `configtoxml` command in *Messaging Server Unified Configuration System Administrator's Guide* for more information.

Technical Features Supporting Messaging Server Upgrade

The following features support Messaging Server upgrade:

- You migrate mailboxes by using the `imsbackup` and `imsrestore` commands. See "Migrating Mailboxes to a New System" in *Messaging Server System Administrator's Guide* for more information. These commands support moving mailboxes from old message store versions to new ones (including when the message store database format changes, for example, from Messaging Server 32-bit to Messaging Server 64-bit). These commands also support moving mailboxes from new message store versions to old ones for back-out purposes.
- [In-place Upgrade](#) supports changing the old mailbox format to the new format, but it does not support going from the new format back to the old. You **cannot** back out from new data format to old data format by using the In-place Upgrade Strategy. The conversion is done "on-the-fly" as mailboxes are accessed. In-place server upgrade is by done using [commpkg upgrade](#).
- Migrating the Messaging Server configuration from the old system to the new system is done by using the `migrate-config` utility.
- Alternate root (ALTROOT) install is supported on Oracle Solaris. See [Using the ALTROOT Command-Line Argument](#) for more information.

Messaging Server Upgrade Strategies

Messaging Server supports the following three upgrade strategies for individual hosts. These strategies provide a balance between downtime, risk of extended downtime, complexity, and potential hardware costs.

- *In-place Upgrade.* The binaries of the old version are replaced with the binaries of the new version on the same host. That is, you use `commpkg upgrade`.
- *Side-by-side Upgrade on the same host.* The new software version is installed on the same host as the old version in a different directory. After you migrate the software configuration to the new version, you switch the deployment over to the new version.
- *Coexistent Upgrade.* You keep existing services online while you construct a new host on separate hardware.

The strategy chosen for any particular host might differ. For example, you might wish to use an in-place upgrade on your front-end servers (relays, MMPs, and webmail servers) but you might want to do a coexistent upgrade on your message stores.



Caution

There is a data format change in the message store starting with Messaging Server 7 (see "Upgrading the Message Store" in *Messaging Server System Administrator's Guide*). Coexistent Upgrade is recommended to facilitate backout.

The strategy you chose also depends upon the version you currently have installed and whether you are using 32-bit or 64-bit Messaging Server product. Issues and compatibilities are described next.

Upgrading to Messaging Server 7.0.5.31.0 (Red Hat Enterprise Linux and Oracle Linux Only)

From	Online/Coexistence	Side-by-Side Migration	In-place Upgrade by Using <code>rpm -U?</code>
6.1, 6.2, 6.3 (32-bit) (through Communications Suite 5)	Yes (recommended for store)	Yes (alternative for store) Note: No back out to old data format.	Yes (recommended for MTA relay, MMP, and webmail server)
7, 7u1, 7u2, 7u3, 7u4, 7u5 (Communications Suite 6 through 7 Update 2)	Yes	Yes	Yes

Upgrading to Messaging Server 7.0.5.31.0 64-bit (Oracle Solaris Only)

From	Online/Coexistence	Side-by-Side Migration	In-place Upgrade via pkgadd/pkgrm or Patch?
5.2	Yes (recommended for all components)	Yes (alternative for all Messaging Server components) Note: Messaging Server 5.2 did not use SVR4 packaging, so this is just a fresh install.	No
6.0,6.1,6.2,6.3 (32-bit) (through Communications Suite 5)	Yes (recommended for store)	Yes (alternative for store)	No
6.3 (64-bit) (Communications Suite 5)	Yes (recommended for store)	Yes (alternative for store)	Yes: pkgadd/pkgrm only (recommended for MTA relay, MMP, and webmail server)
7, 7u1, 7u2 (32bit)	Yes	Yes	Yes: pkgadd/pkgrm only
7, 7u1, 7u2, 7u3, 7u4, 7u5 (Communications Suite 7 through 7 Update 5) (64bit)	Yes	Yes	Yes: pkgadd/pkgrm or patchadd



Note

When upgrading/migrating between SPARC and x86 hardware, you need to use the Online/Coexistence strategy. Also, see the topic on migrating from x86 to SPARC in *Messaging Server System Administrator's Guide*.

The Coexistence Migration Strategy is the safest and most secure method of upgrading. It also has the lowest downtime of the three upgrade strategies. In the coexistence model, existing services remain online while you construct a new target host (or entire Messaging Server environment) on new hardware or in a Oracle Solaris whole root zone on the existing hardware. After the new host and environment are established, you can migrate a small number of friendly users to the new system to verify operations and administrative procedures. For a certain period both systems are accessible to user traffic. This is called a coexistence phase. Messaging access is not disrupted and proceeds invisibly to users. When all users are migrated to the new environment, you can decommission your legacy deployment. This phased approach ensures that the new system is fully prepared to handle production users before making the full migration.



Note

Read "Coexistent Upgrades From iPlanet Messaging Server 5.2" in *Unified Communications Suite 6 Update 1 Installation and Configuration Guide* for useful information on coexistent upgrades.

Advantages and Disadvantages of Coexistence Migration:

- Service downtimes are usually rare and short. There is less danger that they will be longer than the off-line windows imposed by service level agreements.
- Allows a gradual adoption of the new software so that you can gain confidence by trying it out with a small group of sympathetic users before migrating production users.
- The risk of upgrade failure is mitigated by the fact that your legacy system remains fully functioning throughout the upgrade process.
- Because the new system is built alongside a functional old one, you do not need to install or modify anything on the working legacy machines. This is an advantage as there is always a natural reluctance to modify or reconfigure a working legacy system in significant ways.

- Coexistence is the safest upgrade model and has the least amount of user downtime.
- Simpler back off procedure. Anytime you upgrade software, you need to make provisions for backing off from the new system to the old system in case of failure. Other upgrade models might require that you back up and turn off the old system, install, configure, and migrate to the new system. Only when you switch on the new system do you know if the upgrade succeeded. If it turns out, that it did not, then you might have to use your back off plan to put everything back into place. A coexistence migration is much simpler as a working legacy system is already in place.
- You must move user data, such as mailboxes, from one host to another, typically by using the `imsbackup` and `imsrestore` commands.
- Might require extra hardware to set up a parallel system. (This can be mitigated by upgrading legacy machines after they are no longer used.)

Specific Steps for Upgrading Messaging Server Using the Coexistence Model

1. Make sure that your hardware is installed as per the deployment plan created from *Unified Communications Suite Deployment Planning Guide*. See also the [Requirements for Communications Suite 7.0.6](#).
2. Install new version of Messaging Server in the [proper sequence](#) on new machine, by using the `compkg install` command.
3. Configure Messaging Server.
You must do so manually. Basically you must clone the old machine's configuration to this new machine.
4. If you are doing a coexistent migration on a message store, migrate user mailboxes (a few at a time) to the new machine. See the topic on migrating or moving mailboxes to a new system in *Messaging Server System Administrator's Guide*.

Using the Side-by-Side Strategy to Upgrade Messaging Server

In this model, you install the new software version on the same machine as the old version. After migrating the configuration to the new version, you can switch over to the new version. This upgrade strategy is new starting with Communications Suite 6. The basic steps are as follows:

1. Install Messaging Server 7.0.5.31.0 side-by-side on the same machine with your earlier version of Messaging Server by using the `compkg install` command.
2. Back up configuration and mailbox data just in case a back out is required.
For the configuration data, simply back up the configuration directory. For mailbox data, use the `imsbackup` command.
3. Migrate the configuration from Messaging Server to 7.0.5.31.0 by using the `migrate-config` utility.
4. Start Messaging Server 7.0.5.31.0.

Advantages and Disadvantages of Side-by-Side Messaging Server Migration

- Second best minimal downtime.
- Second best in backout.
- Does not require extra machines.
- Does require different directory location for fresh install. Any custom scripts that reference the install location must be modified.
- Does not involve moving the mailboxes. New version just "points" to the mailboxes and mailbox conversion to the new version is automatic and transparent.
- Back out is complicated and time consuming. See [Downgrading From Messaging Server 7.0.5.31.0](#).
- The only advantage of side-by-side over in-place is that the binaries of the old version remain intact on the system so you do not have to reinstall and reconfigure in the case of a backout.

Specific Steps for Upgrading Messaging Server Using the Side-by-side Migration Model

1. Back up the message store.
Perform an `imsbackup`.
2. Install the new version of Messaging Server on the same system as your previous version of Messaging Server, but in a different directory (for example, in this procedure, `/opt/sun/comms/messaging64/`).
3. To migrate the configuration and message store data from the previous version of Messaging Server, run the `migrate-config` (migration configuration) utility:
`/opt/sun/comms/messaging64/bin/migrate-config old-msg-svr-root`. (In the following example, `old-msg-svr-root` is `/opt/SUNWmsgsr`.)
For example:

```
/opt/sun/comms/messaging64/bin/migrate-config /opt/SUNWmsgsr
```

4. Run the following command:

```
/opt/sun/comms/messaging64/bin/patch-config  
/opt/altroot/messaging64/install/migrate/from-64bit-64bit
```

5. Run the following command:

```
/opt/sun/comms/messaging64/bin/install-newconfig  
/opt/altroot/messaging64/install/migrate/from-64bit-64bit
```

6. To back out the migration, run the following command:

```
/opt/sun/comms/messaging64/bin/migrate-config -u /opt/SUNWmsgsr
```

where `-u` is the undo flag.

Next Steps

- Once you complete the migration, stop using the old *server-root* directory:
 - Update `PATH` and any scripts referencing the old *server-root* location.
 - If you are using EMC Networker (formerly Legato Networker), be sure to update the *server-root* location in the configuration.
 - Replace the *server-root* location with the *server-root* binary location.
- Start the new server with the following command:
`/opt/sun/comms/messaging64/bin/start-msg`
- If you need to back out the migration, use the `-u` (undo) flag:
`/opt/sun/comms/messaging64/bin/migrate-config -u old-msg-svr-root` (where *old-msg-svr-root* is the old *server-root*) directory.
- To restart the old Messaging Server, use: `old-msg-svr-root/sbin/start-msg`
- Uninstall the old version Of Messaging Server when you are satisfied with the performance of the new one: `commpkg uninstall`

Backing Out of a Side-by-side Messaging Server Upgrade

Ideally you could just stop the new version and start the old version up and your back out recovery would be complete. However, because there is a mailbox database format change between pre-version 7 and version 7 Messaging Server, this does not work. To back out, you need to restore the message store either by reinstalling the volume snapshot of the file system, or by performing an `imsrestore` on the backed-up message store.

In either case, there is a potential of losing data as mail comes in during the recovery period. For the most part, back out is considered a disaster recovery operation. Backouts are done immediately after major unacceptable problems are found in the upgrade. Thus volume snapshots are quite acceptable as a back out plan.

The basic procedure is as follows:

- Stop new version.
- Restore mailbox data.
- Start old version.

Using the In-Place Upgrade on Messaging Server

In this method you simply replace the old server binaries with the new server binaries on the same machine by using the `commpkg upgrade` command. This command removes the old packages and installs the new ones. For details about this command, see [commpkg upgrade 7.0.6 Usage](#).

Advantages and Disadvantages of In-place Messaging Server Upgrade

- Simplest. One command installs the old packages and removes the new packages. This command migrates and upgrades configuration.
- Requires least amount of extra disk space.
- Messaging Server stays in the same disk location (no tweaking of custom scripts).
- Has the most downtime.
- Back out is complicated and time consuming. See [Downgrading From Messaging Server 7.0.5.31.0](#).
- This method is probably best for evaluators/testers/developers.
- Useful for upgrading Messaging Servers configured without the message store, for example, front-end relays and webmail servers.

Specific Steps for Using In-Place Upgrade on Messaging Server

- Run `commpkg upgrade` and select Messaging Server.
 - Stops the servers.
 - Removes the old version.
 - Installs the new version.
 - Performs migration of configuration and mailbox data.

For information about using the `commpkg upgrade` command, see [commpkg upgrade Usage](#). Here is a [commpkg upgrade sample session](#).

Upgrading Messaging Server with Webmail Over IMAP Protocol

You must upgrade the back-end server before upgrading the front-end server. Both the Webmail-over-IMAP protocol and the back-end message stores must be the same product version.

Starting with Messaging Server 6.3, the webmail server (`mshttpd`) communicates with the message store by using IMAP. Thus, the HTTP service could be run on the front end and is no longer needed or

enabled on the store. To support older MEM clients for coexistent migrations, enable `mshttpd` and configure it on the 7.x back-end message store systems.
For example:

```
configutil -o service.http.enable -v 1
```

The number of `mshttpd` processes (`service.http.numprocesses`) should not change on the 6.2 front end. However, you must set the number of processes on the new back end to 1.

Finally, you need to copy the webmail files in the `server-root/config/html` directory over from the 6.2 system to the 7.x back-end systems. Although the back-end `mshttpd` does not send JavaScript or HTML files to the front end, the contents and structure of that directory need to match the front end.

Chapter 71. Messaging Server 7.0.5.31.0 Upgrade in an HA Environment

Messaging Server 7.0.5.31.0 Upgrade in an HA Environment

Upgrading Messaging Server in a highly-available (HA) environment consists of upgrading the Messaging Server software then upgrading the Messaging Server Sun Cluster Agent.

Topics:

- [Upgrading to Messaging Server 7.0.5.31.0 in an HA Environment](#)
- [Upgrading to the Messaging Server 7 Sun Cluster Agent \(MS_SCHA\)](#)

Upgrading to Messaging Server 7.0.5.31.0 in an HA Environment

Upgrade strategies, each of which require different procedures, include the following:

- Coexistent upgrade: This is similar to a fresh HA installation. See "Configuring Messaging Server for High Availability" in *Messaging Server System Administrator's Guide* for more information
- Side-by-side upgrade
- In-place HA upgrade

To Do a Side-by-side Upgrade to Messaging Server 7.0.5.31.0 in an HA Environment

1. Go to the resource group online node.
 - a. Disable Messaging server resource.

```
# scswitch -n -j <msg_svr_resource>
```

- b. Upgrade Messaging Server by using the side-by-side strategy, see [Side-by-Side Strategy to Upgrade Messaging Server](#). Perform this step only on the Messaging Server resource group online node. Do not start Messaging Server yet.

- c. Run the `ha_ip_config` command on the Messaging Server resource group online node.

```
# <msg_svr_base>/sbin/ha_ip_config
```

This command is needed only if the currently installed Messaging Server is prior to version 7.0.

2. Switch over to other node:

```
# scswitch -z -g <msg_svr_resource_group> -h <node-name>
```

3. Run the `useconfig` command.

This is needed if you are upgrading Messaging Server from 32-bit to 64-bit, to update the trusted

library path for 64-bit applications to include Messaging Server /bin/crle -s -64 new_msg_svr_base/lib').

```
# <msg_svr_base>/bin/useconfig <msg_svr_base>/config
```

4. Change IMS_serverroot path for Messaging Server resource if new Messaging Server base directory is different from old installation.

```
# scrgadm -cj <msg_svr_resource> -x IMS_serverroot=<new_msg_svr_base>
```

5. If Messaging Server Sun Cluster agent (MS_SCHA) is old (not from Communications Suite 6 or later), then it does not work with upgraded Messaging Server and you need to perform the MS_SCHA upgrade procedure.
6. Enable Messaging Server resource.

```
# scswitch -e -j <msg_svr_resource>
```

To Perform an In-place Upgrade to Messaging Server 7.0.5.31.0 in an HA Environment

An in-place upgrade is done by using the `commpkg upgrade` command.

1. Disable Messaging Server resource:

```
# scswitch -n -j <msg_svr_resource>
```

2. Run the `commpkg upgrade` command on all nodes of the cluster.
3. Run the `ha_ip_config` command on the Messaging Server resource group online node.

```
# <msg_svr_base>/sbin/ha_ip_config
```

This command is needed only if the currently installed Messaging Server is prior to version 7.0.

4. Enable Messaging Server resource:

```
# scswitch -e -j <msg_svr_resource>
```

Upgrading to the Messaging Server 7 Sun Cluster Agent (MS_SCHA)

This section provides instructions for the Sun Cluster Agent upgrade. It consists of the following sections:

- [To Upgrade to the Messaging Server 7 Sun Cluster Agent \(MS_SCHA\)](#)
- [To Upgrade to the Messaging Server 7 Sun Cluster Agent \(MS_SCHA\) if Cluster Nodes Include Non-Global Zones](#)
- [To Upgrade to the Messaging Server 7 Sun Cluster Agent \(MS_SCHA\) in a Two-node Symmetric Sun Cluster HA Environment](#)

To Upgrade to the Messaging Server 7 Sun Cluster Agent (MS_SCHA)

1. Run `commpkg upgrade` on all nodes on the cluster.
Messaging Server should be upgraded to 7.0.5.31.0 before upgrading Messaging Server Sun Cluster Agent.
2. Enable Messaging Server resource:

```
# scswitch -e -j <msg_svr_resource>
```

To Upgrade to the Messaging Server 7 Sun Cluster Agent (MS_SCHA) if Cluster Nodes Include Non-Global Zones

If a machine that has non-global zones participates in a cluster, all zones on that machine must be in the cluster. The Sun Cluster software and HA agents should be installed in all zones, and MS_SCHA should be installed in the global zone and automatically propagated into all non-global zones (that is, don't use the `-G` switch to `pkgadd`). The Communications Suite Installer treats HA agents like MS_SCHA as a product that should be propagated to all non-global zones when it is installed in the global zone. In the rare case where you have managed to install the pre-version 7 MS_SCHA agent in the non-global zones, then an upgrade consists of first uninstalling the older agent from all non-global zones, followed by installing the new 7 MS_SCHA agent in the global zone.

To check if the older pre-version 7 agent was installed in the global zone and automatically propagated to all non-global zones, verify that `SUNWscims` is listed in `/var/sadm/install/gz-only-packages`. If it is, then run `commpkg upgrade` in the global zone. If it is not listed, then `SUNWscims` is either not installed, or is installed so that it is propagated to non-global zones. If this is this case, use the following procedure:

1. Run `commpkg uninstall` and uninstall MS_SCHA in every non-global zone (do not uninstall it in the global zone).
2. In the global zone, run `commpkg upgrade` and upgrade MS_SCHA.

To Upgrade to the Messaging Server 7 Sun Cluster Agent (MS_SCHA) in a Two-node Symmetric Sun Cluster HA Environment

1. Upgrade Messaging Server to Version 7.0.5.31.0 before upgrading the Messaging Server Sun Cluster Agent.
2. Make sure that the Messaging Server installation location is accessible from both nodes. This is required because a resource type upgrade command validates accessibility. For the first instance in a Symmetric Cluster setup, Messaging Server installation is done on first node only (on a shared storage mount point). For the second instance, Messaging Server installation is done on second node only.
3. Follow the steps mentioned in [To Upgrade to the Messaging Server 7 Sun Cluster Agent \(MS_SCHA\)](#).



Note

If you prefer to upgrade Sun Cluster Agent (MS_SCHA) for only one instance, then follow the prior steps and correct the resource type version using Sun Cluster commands.

Chapter 72. Installation Scenario - Messaging Server 7.0.5.31.0 Message Store

Installation Scenario - Messaging Server 7.0.5.31.0 Message Store

Beginning with Messaging Server 7 Update 5, you must decide if you want to use Unified Configuration or legacy configuration. Unified Configuration is an improved, streamlined process to configure and administer Messaging Server. Unlike in legacy configurations (Messaging Server 7 Update 4 and prior releases), Unified Configuration uses validation to verify configuration accuracy, and employs a single tool to configure the entire Messaging Server configuration (with a few exceptions). For more information, see "Overview of Messaging Server Unified Configuration" in *Messaging Server Unified Configuration System Administrator's Guide*.

Topics:

- [Assumptions](#)
- [Which Software Components and Downloads Do You Need?](#)
- [Installing and Configuring the Messaging Store](#)

Assumptions

This scenario shows how to install the Messaging Server back-end message store on a separate host using the following assumptions:

- You are deploying Communications Suite on multiple hosts or Solaris zones.
- This Messaging Server back-end message store is one functional component of your multi-host deployment.
- You are installing the message store on a separate host or Solaris zone; you are not bundling the message store with Communication Suite products on the same host.
- If you are distributing multiple partitions of the message store across several hosts or zones, you can follow these instructions for each host on which you install store partitions.

Which Software Components and Downloads Do You Need?

- Communications Suite: for the Messaging Server message store

Download site: [Get the Software to Install Communications Suite 7.0.6](#).

Installing and Configuring the Messaging Store

Before Installing the Message Store

1. Ensure that DNS is running and configured properly.
For details, see [DNS configuration](#).
2. Recommended file systems for the message store are listed [here](#).
3. Make sure you do not configure conflicting port numbers on a machine when various components are running on a single machine. For a list of port numbers used by Messaging Server, see [Default Port Numbers](#).

To Install and Configure the Message Store

1. Use the following worksheet to gather configuration information for the message store:
[Configuration Worksheets - Messaging Server 7.0.5.31.0](#)
2. [Run the Communications Suite installer.](#)
When the Communications Suite installer lists the components to install, choose Messaging Server.
3. When the software installation has finished, run the Messaging Server configure command.
 - To configure a legacy configuration, run the configure command.
For more information on options to the configure command, see [To Run the Configure Program.](#)
 - To configure a Unified Configuration, run the configure --xml command.
For more information on options to the configure --xml command, see "Messaging Server Unified Configuration Command-line Utilities" in *Messaging Server Unified Configuration System Administrator's Guide*.
For detailed instructions on performing an initial configuration, see [Messaging Server 7.0.5.31.0 Initial Configuration.](#)
4. If you are not also using the Webmail server on this message store, disable it.
 - In legacy configuration, run this command:

```
configutil -o service.http.enable -v 0
```

- In Unified Configuration, run this command:

```
msconfig set http.enable 0
```

5. If you are configuring LMTP, see *Messaging Server System Administrator's Guide*.
6. If you are not using the MTA, disable it.
 - In legacy configuration, run this command:

```
configutil -o local.imta.enable -v 0
```

- In Unified Configuration, run this command:

```
msconfig set mta.enable 0
```

Chapter 73. Installation Scenario - Messaging Server 7.0.5.31.0 Message Transfer Agent

Installation Scenario - Messaging Server 7.0.5.31.0 Message Transfer Agent

Beginning with Messaging Server 7 Update 5, you need to decide if you want to use Unified Configuration or legacy configuration. Unified Configuration is an improved, streamlined process to configure and administer Messaging Server. Unlike in legacy configurations (Messaging Server 7 Update 4 and prior releases), Unified Configuration uses validation to verify configuration accuracy, and employs a single tool to configure the entire Messaging Server configuration (with a few exceptions). For more information, see "Overview of Messaging Server Unified Configuration" in *Messaging Server Unified Configuration System Administrator's Guide*.

Topics:

- [Assumptions](#)
- [Which Software Components and Downloads Do You Need?](#)
- [Installing and Configuring the MTA](#)

Assumptions

This scenario shows how to install the Message Transfer Agent (MTA) on a separate host using the following assumptions:

- You are deploying Communications Suite on multiple hosts or Solaris zones.
- This MTA relay in and MTA relay out is one functional component of your multi-host deployment.
- You are installing the MTA on a separate host or Solaris zone; you are not bundling the MTA with other Communications Suite products on the same host.
- If you are distributing multiple instances of the MTA across several hosts or zones, you can follow these instructions for each host on which you install the MTA.

Which Software Components and Downloads Do You Need?

- Communications Suite: for the Messaging Server MTA

Download site: [Get the Software to Install Communications Suite 7.0.6](#).

Installing and Configuring the MTA

Before Installing the MTA

1. Ensure that DNS is running and configured properly. For details, see [DNS configuration](#).
2. Make sure you do not configure conflicting port numbers on a machine when various components are running on a single machine. For a list of port numbers used by Messaging Server, see [Default Port Numbers](#).

To Install and Configure the MTA

1. Use the following worksheet to gather configuration information for the MTA: [Configuration Worksheets - Messaging Server](#)
2. [Run the Communications Suite installer](#).
When the Communications Suite Installer lists the components to install, choose Messaging Server.
3. When the software installation has finished, run the Messaging Server configure command.
 - To configure a legacy configuration, run the configure command.
For more information on options to the configure command, see [To Run the Configure Program](#).
 - To configure a Unified Configuration, run the configure --xml command.
For more information on options to the configure --xml command, see "Messaging Server Unified Configuration Command-line Utilities" in *Messaging Server Unified Configuration System Administrator's Guide*.
For detailed instructions on performing an initial configuration, see [Messaging Server 7.0.5.31.0 Initial Configuration](#).
4. Disable the Message Store and Webmail Server.
 - In legacy configuration, run these commands:

```
configutil -o local.store.enable -v 0  
configutil -o service.http.enable -v 0
```
 - In Unified Configuration, run these commands:

```
msconfig set store.enable 0  
msconfig set http.enable 0
```
5. Configure the relay for the kind of traffic you are dealing with and the kind of traffic shaping you need.
For example, if your inbound relay needs to use LMTP, configure your deployment accordingly.

Chapter 74. Installation Scenario - Messaging Server 7.0.5.31.0 Messaging Multiplexor

Installation Scenario - Messaging Server 7.0.5.31.0 Messaging Multiplexor

Beginning with Messaging Server 7 Update 5, you need to decide if you want to use Unified Configuration or legacy configuration. Unified Configuration is an improved, streamlined process to configure and administer Messaging Server. Unlike in legacy configurations (Messaging Server 7 Update 4 and prior releases), Unified Configuration uses validation to verify configuration accuracy, and employs a single tool to configure the entire Messaging Server configuration (with a few exceptions). For more information, see "Overview of Messaging Server Unified Configuration" in *Messaging Server Unified Configuration System Administrator's Guide*.

Topics:

- [Assumptions](#)
- [Which Software Components and Downloads Do You Need?](#)
- [Installing and Configuring the MMP](#)

Assumptions

This scenario shows how to install the Messaging Multiplexor (MMP) front-end on a separate host using the following assumptions:

- You are deploying Communications Suite on multiple hosts or Solaris zones.
- This MMP front end is one functional component of your multi-host deployment.
- You are installing the MMP on a separate host or Solaris zone; you are not bundling the MMP with other Communication Suite products on the same host.
- If you are distributing multiple instances of the MMP partitions across several hosts or zones, you can follow these instructions for each host on which you install the MMP.
- You are installing only the MMP front end; you are not installing message store or SMTP functions.

Which Software Components and Downloads Do You Need?

- Communications Suite: for the Messaging Server MMP front end

Download site: [Get the Software to Install Communications Suite 7.0.6](#).

Installing and Configuring the MMP

Before Installing the MMP

1. Ensure that DNS is running and configured properly. For details, see [DNS configuration](#).
2. Make sure you do not configure conflicting port numbers on a machine when various components are running on a single machine. For a list of port numbers used by Messaging Server, see [Default Port Numbers](#).

To Install and Configure the MMP

1. Use the following worksheet to gather configuration information for the MMP: [Configuration Worksheets - Messaging Server](#)
2. [Run the Communications Suite installer](#).
When the Communications Suite Installer lists the components to install, choose Messaging Server.
3. Make sure that the other components are not selected.
4. When the software installation has finished, run the Messaging Server configure command.
 - To configure a legacy configuration, run the configure command.
For more information on options to the configure command, see [To Run the Configure Program](#).
 - To configure a Unified Configuration, run the configure --xml command.
For more information on options to the configure --xml command, see "Messaging Server Unified Configuration Command-line Utilities" in *Messaging Server Unified Configuration System Administrator's Guide*.
For detailed instructions on performing an initial configuration, see [Messaging Server 7.0.5.31.0 Initial Configuration](#).
5. Enable the MMP and disable other product components.
 - In legacy configuration, run these commands:

```
configutil -o local.mmp.enable -v 1
configutil -o local.store.enable -v 0
configutil -o local.imta.enable -v 0
configutil -o service.http.enable -v 0
```

- In Unified Configuration, run these commands:

```
msconfig set mmp.enable 1
msconfig set store.enable 0
msconfig set mta.enable 0
msconfig set http.enable 0
```

Chapter 75. Installation Scenario - Messaging Server 7.0.5.31.0 Webmail Server

Installation Scenario - Messaging Server 7.0.5.31.0 Webmail Server

Beginning with Messaging Server 7 Update 5, you need to decide if you want to use Unified Configuration or legacy configuration. Unified Configuration is an improved, streamlined process to configure and administer Messaging Server. Unlike in legacy configurations (Messaging Server 7 Update 4 and prior releases), Unified Configuration uses validation to verify configuration accuracy, and employs a single tool to configure the entire Messaging Server configuration (with a few exceptions). For more information, see "Overview of Messaging Server Unified Configuration" in *Messaging Server Unified Configuration System Administrator's Guide*.

Topics:

- [Assumptions](#)
- [Which Software Components and Downloads Do You Need?](#)
- [Installing and Configuring Webmail Server](#)
- [Configuring Webmail Server Examples](#)

Assumptions

This scenario shows how to install the Messaging Server Webmail Server (msht tpd) on a separate host. The Webmail Server acts as a front end that handles the HTTP protocol retrieval of messages from the message store. This component is used by Convergence and Communication Express to provide web-based access to end users.

The scenario makes these assumptions:

- You are deploying Communications Suite on multiple hosts or Solaris zones.
- This Webmail Server is one functional component of your multi-host deployment.
- You are installing the Webmail Server on a separate host; you are not bundling the Webmail Server with other Communication Suite products on the same host.
- If you are distributing multiple Webmail Servers across several hosts, you can follow these instructions for each host on which you install the Webmail Server.
- You are installing only the Webmail Server front end; you are not installing message store or SMTP functions.

Which Software Components and Downloads Do You Need?

- Communications Suite: for the Webmail Server

Download site: [Get the Software to Install Communications Suite 7.0.6.](#)

Installing and Configuring Webmail Server

Before Installing the Webmail Server

1. Ensure that DNS is running and configured properly. For details, see [DNS configuration](#).
2. Make sure you do not configure conflicting port numbers on a machine when various components are running on a single machine. For a list of port numbers used by Messaging Server, see [Default Port Numbers](#).

To Install and Configure the Webmail Server

1. Use the following worksheet to gather configuration information for the Webmail Server:
[Configuration Worksheets - Messaging Server](#).
2. [Run the Communications Suite installer](#).
When the Communications Suite Installer lists the components to install, choose Messaging Server.
Make sure that the other components are not selected.
3. When the software installation has finished, run the Messaging Server configure command.
 - To configure a legacy configuration, run the configure command.
For more information on options to the configure command, see [To Run the Configure Program](#).
 - To configure a Unified Configuration, run the configure --xml command.
For more information on options to the configure --xml command, see "Messaging Server Unified Configuration Command-line Utilities" in *Messaging Server Unified Configuration System Administrator's Guide*.
For detailed instructions on performing an initial configuration, see [Messaging Server 7.0.5.31.0 Initial Configuration](#).
4. Disable the Message Store and MTA on the WebMail Server host.
 - For legacy configuration:

```
configutil -o local.store.enable -v 0  
configutil -o local.imta.enable -v 0
```

- For Unified Configuration:

```
msconfig set store.enable 0  
msconfig set mta.enable 0
```

5. (Optional) Set the following options.
If you want to use a different store administrator or a non-standard IMAP port, use the following options for the back-end IMAP server(s):

Unified Configuration Option	Legacy Configuration Option	Description
<code>base.proxyadmin</code>	<code>local.service.proxy.admin</code>	Default back-end store administrator login name. (Restart of HTTP service required; Restart of IMAP service required). Syntax: string Default: <code>admin</code>
<code>base.proxyadminpass</code>	<code>local.service.proxy.adminpass</code>	Default store administrator password. (Restart of HTTP service required; Restart of IMAP service required). Syntax: string Default: <code><admin.password></code>
<code>base.proxyimapport</code>	<code>local.service.proxy.imapport</code>	Default IMAP port number for backend store servers. (Restart of HTTP service required; Restart of IMAP service required). Syntax: integer Default: <code>143</code>

The Webmail Server can communicate with multiple back-end IMAP servers. If the IMAP servers use different values for these options, you must set individual values for each host, as follows:

Unified Configuration Option	Legacy Configuration
<code>proxy:hostname.admin</code>	<code>local.service.proxy.admin.hostname</code>
<code>proxy:hostname.adminpass</code>	<code>local.service.proxy.adminpass.hostname</code>
<code>proxy.hostname.imapport</code>	<code>local.service.imapport.hostname</code>

where *hostname* is the name of the host on which each back-end IMAP server is running.



Note

In general in Unified Configuration, for proxy-related options there should be two scopes for the same option:

- `base.option` is the global scope.
- `proxy:hostname.option` is the host-specific scope.

Currently, an error in Unified Configuration causes the same option to have two different names depending on the scope. Thus, `base.proxyimapport` is equivalent to `proxy:hostname.imapport`, `base.proxyimapport` is equivalent to `proxy:hostname.imapport`, and `base.proxyimapadminpass` is equivalent to `proxy:hostname.imapadminpass`. In addition, there is no host-specific form for `base.proxyimapssl`. It is a single global setting.

Configuring Webmail Server Examples

Topics in this section:

- [Legacy Configuration](#)
- [Unified Configuration](#)

Legacy Configuration

For one back-end IMAP server:

```
configutil -o local.service.proxy.admin -v myadmin  
configutil -o local.service.proxy.adminpass -v <password>  
configutil -o local.service.proxy.imapport -v 143
```

For multiple back-end IMAP servers:

```
configutil -o local.service.proxy.admin.host1.siroe.com -v admin1  
configutil -o local.service.proxy.adminpass.host1.siroe.com -v <password>  
configutil -o local.service.proxy.imapport.host1.siroe.com -v 143  
  
configutil -o local.service.proxy.admin.host2.siroe.com -v admin2  
configutil -o local.service.proxy.adminpass.host2.siroe.com -v <password>  
configutil -o local.service.proxy.imapport.host2.siroe.com -v 143
```

Unified Configuration

For one back-end IMAP server:

```
msconfig set base.proxyadmin -myadmin  
msconfig set base.proxyadminpass <password>  
msconfig set base.proxyimapport -143
```

Chapter 76. Communications Suite Tuning and Best Practices

Oracle Communications Unified Communications Suite Tuning and Best Practices

This information brings together various tuning hints, tips, and current best practice for Communications Suite in an effort to simplify the process of improving Communications Suite performance and to avoid known issues.

Topics:

- [General](#)
- [Oracle Solaris Operating System](#)
- [Red Hat Linux](#)
- [Convergence](#)
- [GlassFish Enterprise Server \(Application Server\)](#)
- [Directory Server](#)
- [Instant Messaging](#)
- [Messaging Server](#)
- [Calendar Server 6.3](#)
- [Communications Express](#)
- [Connector for Microsoft Outlook](#)
- [Indexing and Search Service](#)
- [Calendar Server 7](#)

General

- Do not use system root disks for Communications Suite application data or logs.
- Keep a historical performance and application log.
 - Trend long term data: helps plan future storage and other resource requirements
 - Keep two weeks worth of application logs: helps to identify patterns as system usage varies over the period of a week, for example, quieter during the weekend for businesses
- Disable debug data collection when no longer required
- Monitor I/O performance
 - Communication Suite products, especially Messaging Server, are sensitive to I/O delays
 - `iostat` is useful for Oracle Solaris 10 systems
 - `iostat` is useful for Red Hat Linux and Oracle Solaris
- Keep up to date with operating system and application patching
- Avoid single-host installations for production deployments
 - More efficient to use front-end/back-end configuration
 - Lack of flexibility when migrating and expanding the environment
 - Use two or more Oracle zones/containers if limited physically systems are available
- Monitor RAM usage
 - Ensure sufficient RAM available for file-system caching, especially if ZFS used to store application data
- Participate in the Communications Suite Communities

Oracle Solaris Operating System

- Use `noatime` for UFS and ZFS file-systems

- Reduces writes to the filesystem, especially when backups are performed which touch every file
- See the discussion about file system performance considerations in the *Messaging Server Installation and Configuration Guide*.
- Keep ZFS pool usage below 80% if possible
 - The performance of ZFS pools at %80 or greater dramatically decreases due to ZFS attempting to locate available spots in a fragmented file system
 - Patching Oracle Solaris (starting with 141908-01) to address ZFS bug ID 6596237 helped to reduce the impact
 - Make sure to clean up unnecessary ZFS snapshots to free space
 - Use `zpool list` command to check current utilization

Red Hat Linux

- Ensure file-descriptors are sufficiently high
Instructions for setting file-descriptors on Red Hat Linux

1. In a terminal window, as root, verify the number of file descriptors.

```
ulimit -n
```

- If this number is less than 16,384 you will need to increase the value.
- To change the number of file descriptors, add the following to the `/etc/sysctl.conf` file. Or, if the parameter is already set, increase the value to 16384 at a minimum.

```
fs.file-max = 16384
```

- Add the following two lines to the `/etc/security/limits.conf` file.

```
# Increase max file descriptors
* - nofile 16384
```

- Either reboot the system for the value to take effect or run the following command:

```
sysctl -p /etc/sysctl.conf
```

- In a new terminal window, as root verify the change.

```
ulimit -n
```

Convergence

- Implement standard recommended tuning
 - See the discussion about tuning GlassFish Server to enhance Convergence Performance in the *Convergence System Administrator's Guide*
- Use VLV indexes for Corporate Directory lookups
 - Reduces Directory Server load
 - Improves Corporate Directory lookup performance
 - See the discussion about configuring VLV browsing indexes for Directory Server in the *Convergence System Manager's Guide*.
- Combine multiple customizations to reduce client downloads
 - See the discussion about consolidating Convergence customizations to preserve client performance in the *Convergence Customization Guide*.

GlassFish Enterprise Server (Application Server)

- Disable file-caching

Instructions for GlassFish on Oracle Solaris

1. Create the file /var/tmp/passfile, with the following format, specifying the Application Server administrative password.

```
AS_ADMIN_PASSWORD=password
```

- Run the following commands:

```
/opt/SUNWappserver/bin/asadmin set --user admin --passwordfile  
/var/tmp/passfile \  
server.http-service.http-file-cache.file-caching-enabled=false  
/opt/SUNWappserver/bin/asadmin set --user admin --passwordfile  
/var/tmp/passfile \  
server.http-service.http-file-cache.globally-enabled=false
```

Instructions for GlassFish on Red Hat Linux

1. Create the file /var/tmp/passfile, with the following format, specifying the Application Server administrative password.

```
AS_ADMIN_PASSWORD=password
```

- Run the following commands:

```
/opt/sun/appserver/bin/asadmin set --user admin --passwordfile  
/var/tmp/passfile \  
server.http-service.http-file-cache.file-caching-enabled=false  
/opt/sun/appserver/bin/asadmin set --user admin --passwordfile  
/var/tmp/passfile \  
server.http-service.http-file-cache.globally-enabled=false
```

Directory Server

- Use DSEE7
 - Smaller memory footprint by default
 - Improved performance and functionality over DSEE 6.3.1
 - [Performance related information](#)
 - [Whats new in DSEE7](#)
- Configure Directory Server db home directory to use a memory backed file-system. This helps reduce write I/O.

Instructions for Directory Server on Oracle Solaris

1. Stop Directory Server – ensure "ns-slapd" process is stopped.
2. Edit /var/opt/SUNWdsee/dsins1/config/dse.ldif and replace:
nsslapd-db-home-directory: /var/opt/SUNWdsee/dsins1/db
with:
nsslapd-db-home-directory: /tmp/slapd-server/

**Note**

Directory Server automatically creates "tmp/slaped-server/" if it does not exist.

- Start Directory Server.

Instructions for Directory Server on Red at Linux

1. Stop Directory Server – ensure "ns-slaped" process is stopped.
2. Edit /var/opt/sun/directory/dsins1/config/dse.ldif (Red Hat Linux) and replace:
nsslaped-db-home-directory: /var/opt/sun/directory/dsins1/db
with:
nsslaped-db-home-directory: /dev/shm/slaped-server/

**Note**

Directory Server automatically creates "/dev/shm/slaped-server/" if it doesn't exist.

- Start Directory Server.
- Tune Directory Server to improve query times.
 - [Directory Server Tuning Guide](#)
 - [CMT tuning](#)

Instant Messaging

- Configure Instant Messaging to use latest JDK
Instructions for Instant Messaging Server on Oracle Solaris

1. Stop Instant Messaging Server.

```
cd /opt/sun/comms/im/sbin  
./imadmin stop
```

- Edit the /opt/sun/comms/im/config/iim.conf file and add the following line:

```
iim.jvm.command = /usr/jdk/latest/bin/java
```

- Start Instant Messaging.

```
cd /opt/sun/comms/im/sbin  
./imadmin start
```

Instructions for Instant Messaging Server on Red Hat Linux

1. Stop Instant Messaging Server.

```
cd /opt/sun/comms/im/sbin  
./imadmin stop
```

- Edit the /opt/sun/comms/im/config/iim.conf file and add the following line:

```
iim.jvm.command = /usr/java/default/bin/java
```

- Start Instant Messaging.

```
cd /opt/sun/comms/im/sbin
./imadmin start
```

- Relocate the Instant Messaging temporary "scratch" files to the temporary file-system
- Instructions for Instant Messaging Server on Oracle Solaris**

1. Stop Instant Messaging.

```
cd /opt/sun/comms/im/sbin
./imadmin stop
```

- Edit the /opt/sun/comms/im/config/iim.conf file and add the following line:

```
iim_server.scratch_directory = "/tmp/iim-demo/"
```

- Start Instant Messaging.

```
cd /opt/sun/comms/im/sbin
./imadmin start
```

Instructions for Instant Messaging Server on Red Hat Linux

1. Stop Instant Messaging.

```
cd /opt/sun/comms/im/sbin
./imadmin stop
```

- Edit the /opt/sun/comms/im/config/iim.conf file and add the following line:

```
iim_server.scratch_directory = "/dev/shm/iim-demo/"
```

- Start Instant Messaging.

```
cd /opt/sun/comms/im/sbin
./imadmin start
```

- Performance enhancements
See the discussion about improving Instant Messaging Server performance in the *Instant Messaging Server System Administrator's Guide*.

Messaging Server

- Keep historical logging data
 - See the discussion about configuring Messaging Server log file rotation in the *Messaging Server System Administrator's Guide*
- Configure LMTP between front-end MTA and back-end store.
 - See the discussion about LMTP delivery in the *Messaging Server System Administrator's Guide*
- Configure store.dbtmpdir to use a memory backed file system to reduce I/O

Instructions for Messaging Server on Oracle Solaris

1. Configure store.dbtmpdir.

```
cd /opt/sun/comms/messaging64/sbin
./configutil -o store.dbtmpdir -v "/tmp/msg-server/"
```

- Start Messaging Server.

```
cd /opt/sun/comms/messaging64/sbin
./stop-msg
./start-msg
```

Instructions for Messaging Server on Red Hat Linux

1. Configure store.dbtmpdir.

```
cd /opt/sun/comms/messaging64/sbin
./configutil -o store.dbtmpdir -v "/dev/shm/msg-server/"
```

- Start Messaging Server.

```
cd /opt/sun/comms/messaging64/sbin
./stop-msg
./start-msg
```

- Move mboxlist to separate ZFS or UFS file system with own LUN's
- ### Instructions for Messaging Server on Oracle Solaris

1. Stop Messaging Server – ensure stored process is stopped.
2. Rename mboxlist directory to mboxlist.backup.

```
cd /opt/sun/comms/messaging64/data/store/
mv mboxlist mboxlist.backup
```

- Copy mboxlist database to new location.

```
cp -Rp mboxlist.backup/* <new location>
```

- Ensure the directory permissions for *new location* are set to the Messaging Server user.

```
chown mailsrv:mail <new location>
```

- Create symlink to *new location*.

```
ln -s <new location> mboxlist
```

- Start Messaging Server.

- Put MTA out "front"

<http://www.oracle.com/technetwork/systems/networking/preferred-deploy-mta-jsp-135699.html>

- Separate ZFS file system for email:
http://blogs.oracle.com/factotum/entry/messaging_server_and_mailstore_best
- Use `imslog.pl` to review MTA traffic and tune accordingly
 - `imslog.pl` is available in the `msg-svr-base/examples/unsupported/` directory
- MTA RBL lookup tuning
 - See the discussion about performance tuning DNS Realtime BlockLists (RBL) lookups in the *Messaging Server Installation and Configuration Guide*.
- Messaging Server Considerations
 - See the discussion about performance tuning considerations for Messaging Server architecture in the *Messaging Server Installation and Configuration Guide*.
- Cache Tuning
 - Don't set excessive store `mboxlist` cache size
 - The default 16 MB cache is sufficient for most medium sized environments
 - Larger environments should review the following information to determine the best cache size:
For more information, see the discussion on `store.dbtmpdir`, `base.lockdir` (Unified Configuration) or `local.lockdir` (legacy configuration), and `store.dbcachesize` in the section about performance tuning considerations for a Messaging Server architecture in the *Messaging Server Installation and Configuration Guide*.
- Number of Messaging Server processes (64-bit environment)
 - Set `service.imap.numprocesses` to (the number of `cores` / 4). Increase `service.imap.maxsessions` as needed.
 - Set `service.http.numprocesses` to 1. Increase `service.http.numprocesses` as needed.
 - Monitor the number of threads (LWPs). If during peak load times the number of LWPs in the `mshttpd` or `imapd` processes is constantly over 200, you might need to increase `numprocesses`.
- In a Convergence deployment, the `webmail/mshttpd` process should run on the same system as the Convergence instance
 - Reduces network delays
 - Simplifies trouble-shooting
- Linux: Change the `IMTA_TMP` option in the MTA tailor file (`imta_tailor`) to use a `tmpfs` such as `/dev/shm`. The default value is `/tmp`, which is a `tmpfs` on Solaris but on Linux is a disk file system.

Calendar Server 6.3

- Configure Calendar Server to perform hotbackup/archive snapshot every 300 seconds (instead of 120 seconds default)

Instructions for Calendar Server on Oracle Solaris

1. Stop Calendar Server.
2. Edit the `/opt/sun/comms/calendar/SUNWics5/cal/config/ics.conf` file.

```
Replace:
caldb.berkeleydb.archive.interval = "120"
With:
caldb.berkeleydb.archive.interval = "300"
```

- Start Calendar Server.



Note

For fresh installations of Calendar Server 6.3 patch XX and above the default has changed to 300 seconds.

* Increase default DB pool size to reduce pread64 syscalls

Instructions for Calendar Server on Oracle Solaris

1. Stop Calendar Server.
2. Edit the /opt/sun/comms/calendar/SUNWics5/cal/config/ics.conf file.

```
Replace:
caldb.berkeleydb.mempoolsize = "4"
With:
caldb.berkeleydb.mempoolsize = "64"
```

- Start Calendar Server.

Instructions for Calendar Server on Red Hat Linux

1. Stop Calendar Server.
2. Edit the /opt/sun/comms/calendar/calendar/config/ics.conf file.

```
Replace:
caldb.berkeleydb.mempoolsize = "4"
With:
caldb.berkeleydb.mempoolsize = "64"
```

- Start Calendar Server.

Communications Express

- Enable logging with rotation
Logging is disabled by default. Having logging available to troubleshoot problems that might arise is essential.
 - uwcc.logging.properties settings to enable one-line logging and a maximum of 5 x 20 MB log files

```
uwcc.logging.enable=yes
uwcc.log.level=INFO
# OneLineFormatter requires Communications Express 6.3
# RFE: Log Time: Date: IP address: login ID on single line in
the logs
uwcc.log.formatter=OneLineFormatter
# Log rollover requires Communications 6.3
# RFE 6503471 - Enable log rotation for UWC logs
uwcc.log.maxfiles = 5
uwcc.log.maxsize = 20
```

- Communications Express to Work With Connector for Microsoft Outlook (Tuning Communications Express to Work With Connector for Microsoft Outlook)
<http://download.oracle.com/docs/cd/E19796-01/819-5202/index.html>

Connector for Microsoft Outlook

- Tuning LDAP to Improve Searches for Communications Clients
<http://download.oracle.com/docs/cd/E19796-01/819-5201/index.html>
- Configure Calendar Server for Connector (includes LDAP Tuning)
<http://download.oracle.com/docs/cd/E19796-01/819-5200/index.html>
- VLV indexes for Outlook Connector

- See the discussion about understanding Virtual List View (VLV) in the *Connector for Microsoft Outlook Installation and Configuration Guide*.

Indexing and Search Service

- Performance tuning
 - See the discussion about improving performance in the *Indexing and Search Service System Administrator's Guide*.

Calendar Server 7

- Performance tuning
 - See the discussion about improving performance in the *Calendar Server System Administrator's Guide*.