Sun Java System Communications Services 2005Q4 Release Notes

Sun microsystems

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Preface

This book, *Sun Java System Communications Services Release Notes*, contains important information available at the time of release of each of the following products:

- Sun Java System Calendar Server 6 2005Q4
- Sun Java System Messaging Server 6 2005Q4
- Sun Java System Instant Messaging 7 2005Q4
- Sun Java System Communications Services 62005Q4 Delegated Administrator
- Sun Java System Communications Express 6 2005Q4
- Sun Java System Connector for Microsoft Outlook 7 2005Q4

New features and enhancements, known issues and limitations, and other information for each of the above listed products are addressed in this book. Please read the information before using any of the products.

The most up-to-date version of these release notes can be found at the Sun Java System documentation web site. Check the web site prior to installing and setting up your software and then periodically thereafter to view the most up-to-date release notes and product documentation.

How This Book Is Organized

Each chapter of this book represents release information for each Sun Java System Communications Services product.

Chapter 1 provides release information for Sun Java System Calendar Server 6 2005Q4.

Chapter 2 provides release information for Sun Java System Messaging Server 6 2005Q4.

Chapter 3 provides release information for Sun Java System Instant Messaging 7 2005Q4.

Chapter 4 provides release information for Sun Java System Delegated Administrator 6 2005Q4.

Chapter 5 provides release information for Sun Java System Communications Express 6 2005Q4.

Chapter 6 provides release information for Sun Java System Connector for Microsoft Outlook 7 2005Q4.

Related Books

The http://docs.sun.com web site enables you to access Sun technical documentation online. You can browse the archive or search for a specific book title or subject.

Books in This Documentation Set

For books in the Sun Java System Communications Services documentation set, go to the following:

- Sun Java System Messaging Server documentation (includes documentation for the Sun Java System Connector for Microsoft Outlook)
- Sun Java System Calendar Server documentation
- Sun Java System Instant Messaging documentation

Accessibility Features for People With Disabilities

To obtain accessibility features that have been released since the publishing of this media, consult Section 508 product assessments available from Sun upon request to determine which versions are best suited for deploying accessible solutions. Updated versions of applications can be found at http://sun.com/software/javaenterprisesystem/get.html (http://sun.com/software/javaenterprisesystem/get.html).

For information on Sun's commitment to accessibility, visit http://sun.com/access (http://sun.com/access).

Typographic Conventions

The following table describes the typographic changes that are used in this book.

TABLE P–1 Typographic Conventions

Typeface	Meaning	Example
AaBbCc123	The names of commands, files, and directories, and onscreen computer output	Edit your .login file. Use ls -a to list all files. machine_name% you have mail.
AaBbCc123	What you type, contrasted with onscreen computer output	machine_name% **su** Password:
AaBbCc123	A placeholder to be replaced with a real name or value	The command to remove a file is rm *filename*.

TABLE P–1 Typographic Conventions   *(Continued)*

Typeface	Meaning	Example
AaBbCc123	Book titles, new terms, and terms to be emphasized (note that some emphasized items appear bold online)	Read Chapter 6 in the *User's Guide*. A *cache* is a copy that is stored locally. Do *not* save the file.

Shell Prompts in Command Examples

The following table shows default system prompts and superuser prompts.

TABLE P–2 Shell Prompts

Shell	Prompt
C shell on UNIX and Linux systems	`machine_name%`
C shell superuser on UNIX and Linux systems	`machine_name#`
Bourne shell and Korn shell on UNIX and Linux systems	`$`
Bourne shell and Korn shell superuser on UNIX and Linux systems	`#`
Microsoft Windows command line	`C:\`

Symbol Conventions

The following table explains symbols that might be used in this book.

TABLE P–3 Symbol Conventions

Symbol	Description	Example	Meaning
[ ]	Contains optional arguments and command options.	`ls [-l]`	The `-l` option is not required.
{ | }	Contains a set of choices for a required command option.	`-d {y|n}`	The `-d` option requires that you use either the `y` argument or the `n` argument.
${ }	Indicates a variable reference.	`${com.sun.javaRoot}`	References the value of the `com.sun.javaRoot` variable.
-	Joins simultaneous multiple keystrokes.	Control-A	Press the Control key while you press the A key.
+	Joins consecutive multiple keystrokes.	Ctrl+A+N	Press the Control key, release it, and then press the subsequent keys.

TABLE P–3 Symbol Conventions   *(Continued)*

Symbol	Description	Example	Meaning
→	Indicates menu item selection in a graphical user interface.	File → New → Templates	From the File menu, choose New. From the New submenu, choose Templates.

Accessing Sun Resources Online

The `http://docs.sun.com` web site enables you to access Sun technical documentation online. You can browse the docs.sun.com archive or search for a specific book title or subject. Books are available as online files in PDF and HTML formats. Both formats are readable by assistive technologies for users with disabilities.

To access the following Sun resources, go to `http://www.sun.com`:

- Downloads of Sun products
- Services and solutions
- Support (including patches and updates)
- Training
- Research
- Communities (for example, Sun Developer Network)

Third-Party Web Site References

Third-party URLs are referenced in this document and provide additional, related information.

Note – Sun is not responsible for the availability of third-party web sites mentioned in this document. Sun does not endorse and is not responsible or liable for any content, advertising, products, or other materials that are available on or through such sites or resources. Sun will not be responsible or liable for any actual or alleged damage or loss caused or alleged to be caused by or in connection with use of or reliance on any such content, goods, or services that are available on or through such sites or resources.

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Sun is interested in improving its documentation and welcomes your comments and suggestions. To share your comments, go to `http://docs.sun.com` and click Send Comments. In the online form, provide the full document title and part number. The part number is a 7-digit or 9-digit number that can be found on the book's title page or in the document's URL. For example, the part number of this book is 819-2568.

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Sun Java System Calendar Server 6 2005Q4 Release Notes

Version 6 2005Q4

These Release Notes contain important information available at the time of the general release of Sun Java™ System Calendar Server 6 2005Q4 including:

- "About Calendar Server 6 2005Q4" on page 15
- "Release Notes Revision History" on page 16
- "What's New in This Release" on page 16
- "Requirements" on page 16
- "Installation Notes" on page 18
- "Documentation Updates" on page 25
- "Compatibility Issues" on page 25
- "Problems Fixed in This Release" on page 26
- "Known Issues and Limitations" on page 30
- "Redistributable Files" on page 35

Note – A patch is available at Sun Solve for this version of Calendar Server. For more information, see "Important Patch Information" on page 17.

Read these Release Notes before you install and configure Calendar Server.

About Calendar Server 6 2005Q4

Calendar Server is a scalable, web-based solution for centralized calendaring and scheduling for enterprises and service providers. Calendar Server supports user calendars for both events and tasks as well as calendars for resources, such as conference rooms and equipment. For a list of new features, see the following section, "What's New in This Release" on page 16.

Calendar Server offers a graphical user interface, Communications Express. It also offers customers the flexibility to use the Web Calendar Access Protocol (WCAP) to access calendar data directly in either text/calendar or text/xml format.

The deprecated graphical user interface, Calendar Express, is supported for backward compatibility only, but is no longer under development .

Release Notes Revision History

TABLE 1–1 Sun Java System Calendar Server Revision History

Date	Description of Changes
6/29/2005	Beta Release Notes
10/05/05	General Release Calendar Server 6 2005Q4

What's New in This Release

Calendar Server 6 2005Q4 includes the following changes and new features:

- The Delegated Administrator Console (graphical user interface) now supports Calendar Server.
- The following WCAP parameter was added:
    - smtpNotify- This parameter was added to storeevents and the following delete commands: deletecomponents_by_range, deleteevents_by_id, deleteevents_by_range .

      This parameter tells the system whether or not to notify event attendees of changes being made to the event. For example, if a description change is made to an event, you might not want every attendee to get a new notification (value set to zero 0). If the meeting time is changing, however, you probably would want the attendees notified (value set to one 1).

- The old user interface, Calendar Express, has been deprecated and will not appear in a future release of the product.

  To that end, information in the Administration Guide and Developer's Guide that referred to Calendar Express has been removed. If you are still using Calendar Express, you should make plans to convert to Communications Express as soon as possible. Documentation for Calendar Express can still be located in documentation for earlier versions of Calendar Server at http://docs.sun.com (http://docs.sun.com).

- cs5migrate change-In the past, the cs5migrate utility, for migrating earlier versions of Calendar Server to version 5, was available as two separate downloads: one for databases with recurring events and tasks and one for databases without recurring data. The two have been consolidated. Now there is only cs5migrate with an option for recurring data.

Requirements

This section describes the hardware and software required and recommended for this release of Calendar Server.

- "Hardware Requirements and Recommendations" on page 17
- "Software Requirements and Recommendations" on page 17
- "Important Patch Information" on page 17

Note – For Calendar Server installations that separate functionality across front-end and back-end machines, the hardware platforms and operating systems must be the same on each end.

More specifically, due to big-endian versus small-endian incompatibility, you can't use both an x86 platform machine and a SPARC platform machine in the same Calendar Server deployment containing front-end and back-end machines.

Moreover, mixing Solaris x86 and Linux operating systems for front-end and back-end machines has not been tested and is not currently supported.

Hardware Requirements and Recommendations

- Approximately 500 MB of disk space for typical installation. For production systems, at least 1 GB.
- 128 MB of RAM. For production systems, 256 MB to 1 GB for best performance.
- RAID storage for fast access (recommended for large databases).

Software Requirements and Recommendations

- "Supported Software Platforms" on page 17
- "Recommended Browsers for Client Computers" on page 17

Supported Software Platforms

- Solaris™ 10 Operating System (SPARC® Platform Edition, x86 Platform Edition)
- Solaris 9 (5.9) Operating System (SPARC Platform Edition, x86 Platform Edition)
- Solaris 8 (5.8) Operating System (SPARC Platform Edition)
- Red Hat Enterprise Linux AS 2.1 u2, AS 3.0

Recommended Browsers for Client Computers

See "Supported Browsers" on page 130 in Chapter 5.

Important Patch Information

Platform	Patch Number
Solaris, SPARC	116577

Platform	Patch Number
x86	116578
Linux	116851

▼ How to Find Patches on SunSolve

1. **For the current list of required patches for Sun Java System Calendar Server, go to:**

   http://sunsolve.sun.com (`http://sunsolve.sun.com`)

2. **Select either "Patches" or "Patch Portal".**

3. **Follow the Sun Java System Calendar Server links.**

   As operating system patch requirements change and patches to Java Enterprise System components become available, updates will be made available on SunSolve, initially in the form of recommended patch clusters.

Installation Notes

This section contains information you should know before you install Calendar Server 6 2005Q4, including:

⚠ **Caution** – Calendar Server does not support Network File System (NFS) mounted partitions. Do not install or create any part of Calendar Server; including executable, database, configuration, data, temporary, or log files on an NFS-mounted partition.

Front-End and Back-End Machines and Operating Systems

For Calendar Server installations that separate functionality across front-end and back-end machines, the hardware platforms must be the same on each end.

More specifically, due to big-endian versus small-endian incompatibility, you can't use both an x86 platform machine and a SPARC platform machine in the same Calendar Server deployment containing front-end and back-end machines.

Moreover, mixing Solaris x86 and Linux operating systems for front-end and back-end machines has not been tested and is not currently supported.

Linux Platform Support

Java Enterprise System runs on the Linux platform. The major differences in user experience will be the path names where product directories are installed. The Linux platform installs into a different directory than the Solaris platform.

The following table shows the default installation directory paths for Solaris and Linux:

Solaris Default Directories	Linux Default Directories
/opt/SUNWics5/cal/ (*cal_svr_base*)	/opt/sun/calendar (*cal_svr_base*)
/etc/opt/SUNWics5/config	/etc/opt/sun/calendar/config
/var/opt/SUNWics5/	/var/opt/sun/calendar

Tip – In the documentation, the default installation directory for Calendar Server is referred to as cal_svr_base.

OS Patches

You must apply the required operating system patches before installing Calendar Server. Refer to the system release notes, *Sun Java Enterprise System 2005Q4 Release Notes*, for a list of required patches.

Required Privileges

To run the Sun Java Enterprise System installer or the Calendar Server 6 2005Q4 configuration program on Solaris Systems, you must log in as or become the superuser (root).

Linux Package Names

Install Calendar Server 6 2005Q4 using the Sun Java Enterprise System installer. The Java Enterprise System installer installs the Sun component product packages, including Calendar Server 6 2005Q4, and the shared components that are used by the various products.

The following table lists the Linux package names for the various Calendar Server related components.

Component	Package Name
Calendar Server	sun_calendar-core
	sun-calendar-api
Localized Packages:	
Spanish	sun-calendar-core-es
Korean	sun-calendar-core-ko
French	sun-calendar-core-fr
Chinese	sun-calendar-core-zh_CN
German	sun-calendar-core-de
Japanese	sun-calendar-core-ja
Taiwanese	sun-calendar-core-zh_TW

Upgrading From an Earlier Version of Calendar Server 6

Do not attempt to upgrade Calendar Server using the Sun Java Enterprise System installer. You must use the patchadd process. Find instructions for upgrading from earlier Calendar Server releases in the *Sun Java Enterprise System 2005Q4 Upgrade and Migration Guide*. See also the *Sun Java Enterprise System 2005Q4 Release Notes.*

Upgrading Your Calendar Database

If you have Calendar Server 6 installed, with Berkeley DB version 3.2.9, the conversion to the current 4.2 version will be done automatically. You do not need to run any other database migration programs.

If you have a Calendar Server 5 installation that uses Berkeley DB version 2.6, you must upgrade your calendar database to version 4.2. using the cs5migrate utility. The utility is available upon request from technical support.

If you have an existing Calendar Server 2 installation, you must upgrade to Calendar Server 5 before you can migrate to the current release.

The cs5migrate utility performs the following tasks:

- Migrates Calendar Server 5.x data to Calendar Server 6
- Updates the calendar database from Berkeley DB version 2.6 to version 4.2
- Writes the migration status to a log named csmigrate.log
- Writes errors to a log named csmigrateerror.log

In addition, if the -r option is specified, cs5migrate creates master and exception records for all recurring events and tasks. Going forward these records will be automatically generated by Calendar Server. If you need to migrate your database but do not plan to use the Connector for Microsoft Outlook, you do not need run cs5migrate with the -r option.

Contact technical support for the download location and documentation for either utility.

> ⚠️ **Caution** – If your site has an earlier version of Calendar Server that is configured for limited virtual domain mode or has multiple instances of Calendar Server on the same machine, contact your Sun Microsystems, Inc. sales account representative for an evaluation of your migration requirements and to ensure that you have the specific migration utility that supports those requirements.
>
> **And, as always, never migrate your database without first performing a full backup**.

Postinstallation Configuration

After installing or upgrading to Calendar Server 6 2005Q4 and before you can use Calendar Server, you must configure it as follows:

1. Run the Directory Server Setup Script (`comm_dssetup.pl`) to configure Sun Java System Directory Server for Calendar Server schema.
2. Run the Calendar Server Configuration Program (`csconfigurator.sh`) to configure your site's specific requirements.

For instructions, refer to the *Sun Java System Calendar Server 6 2005Q4 Administration Guide*.

Where to Find Calendar Server Data and Program Files

The following table shows where to find various files and programs referred to in the documentation for both the Solaris and Linux platforms:

File Names	Solaris Locations	Linux Locations
Administrator utilities: `start-cal`, `stop-cal`, `csattribute`, `csbackup`, `cscal`, `cscomponents`, `csdb`, `csdomain`, `csexport`, `csimport`, `csmonitor`, `csplugin`, `cspurge`, `csrename`, `csresource`, `csrestore`, `csschedule`, `csstats`, `cstool`, and `csuser`	`/opt/SUNWics5/cal/sbin`	`/opt/sun/calendar/sbin`
Migration utilities: `csmig` and `csvdmig`	`/opt/SUNWics5/cal/sbin`	`/opt/sun/calendar/sbin`
Scripts: `icsasm`, `legbackup.sh`, `legrestore.sh`, and `private2public.pl`	`/opt/SUNWics5/cal/sbin`	`/opt/sun/calendar/sbin`

File Names	Solaris Locations	Linux Locations
Configuration files: `ics.conf`, `version.conf`, `counter.conf`, and `sslpassword.conf`	After installation, files are located at: `/opt/SUNWics5/cal/`*config-template* During configuration, the various files from the above directory are moved to the locations specified by the configuration options you choose.	After installation, the files are located at: `/opt/sun/calendar/`*config-template* During configuration, the various files from the above directory are moved to the locations specified by the configuration options you choose.
LDAP server update files: `60iplanet-calendar.ldif`, `ics50-schema.conf`, and `um50-common-schema.conf`	After installation, the files are located at: `/opt/SUNWics5/cal/ config/schema/ comm_dssetup.pl` writes these files to the Directory Server.	After installation, the files are located at: `/opt/sun/calendar/config/ schema/comm_dssetup.pl` writes these files to the Directory Server.
Schema LDIF files: `20subscriber.ldif`, `50ns-value.ldif`, `50ns-delegated-admin.ldif`, `55ims-ical.ldif`, `50ns-mail.ldif`, `56ims-schema.ldif`, `50ns-mlm.ldif`, `60iplanet-calendar.ldif`, `50ns-msg.ldif`	After installation, the files are located at: `/etc/opt/SUNWics5/ config/schema` `comm_dssetup.pl` writes these files to the Directory Server.	After installation, the files are located at: `/etc/opt/sun/calendar/ config/schema` `comm_dssetup.pl` writes these files to the Directory Server.
Mail formatting (*.fmt) files	After installation, the files are located at: `/opt/SUNWics5/cal/`*config-template* After configuration, the files are located at: `/etc/opt/SUNWics5/ config/`*language* where language is en, de, es, fr, ja, ko, zh-TW, or zh-CN.	After installation, the files are located at `/opt/sun/calendar/`*config-template* After configuration, the files are located at: `/etc/opt/sun/calendar/config/`*language* where language is en, de, es, fr, ja, ko, zh-TW, or zh-CN.
Library (.so) files SSL utilities: `certutil` and `modutil`	`/opt/SUNWics5/cal/lib`	`/opt/sun/calendar/lib`
Session database	`/opt/SUNWics5/cal/lib/ http`	`/opt/sun/calendar/lib/http`
Counter statistics files: `counter` and `counter.dbstat`	`/opt/SUNWics5/cal/lib/ counter`	`/opt/sun/calendar/lib/ counter`

File Names	Solaris Locations	Linux Locations
`timezones.ics` file	`/opt/SUNWics5/cal/data`	`/opt/sun/calendar/data`

Directory Server Performance

To improve the performance of your LDAP directory server, especially if you are using calendar searches of the LDAP directory consider the following items:

- "Indexing the LDAP Directory Server Attributes" on page 23
- "Checking and Setting the Size Limit and the Look Through Limit Parameters" on page 23

Indexing the LDAP Directory Server Attributes

To improve performance when Calendar Server accesses the LDAP directory server, add indexes to the LDAP configuration file for various attributes.

The configuration program, `comm_dssetup.pl`, will optionally do the indexing for you.

Tip – To see the performance difference indexing can give you, perform the following test:

1. Before indexing, time how long it takes to run the following LDAP command:

   ```
   ldapsearch -b "base" "(&(icscalendarowned=*
   user*)(objectclass=icsCalendarUser))"
   ```

   where *base* is the LDAP base DN of the directory server where the user and resource data for Calendar Server is located, and *user* is the value that an end user can enter in the `Calendar Express Subscribe \> Calendar Search` dialog.

2. Run indexing for `icsCalendarOwned`.

3. Again run the following LDAP command, and time it:

   ```
   ldapsearch -b "base"
    "(&(icscalendarowned=*user*)(objectclass=icsCalendarUser))"
   ```

   where *base* is the LDAP base DN of the directory server where the user and resource data for Calendar Server is located, and *user* is the value that an end user can enter in the `Calendar Express Subscribe \> Calendar Search` dialog.

4. Compare the times. There should be a measurable time difference.

Checking and Setting the Size Limit and the Look Through Limit Parameters

To determine if the Look Through Limit (`nsslapd-lookthroughlimit`) and Size Limit (`nsslapd-sizelimit`) parameters are set to appropriate values, try the following command:

```
ldapsearch -b "base" "(&(icscalendarowned=*
user ID*)
(objectclass=icsCalendarUser))"
```

where *base* is the LDAP base DN of the directory server where the user and resource data for Calendar Server is located, and *user ID* is the value that an end user can enter in a calendar search dialog in Communications Express.

If the LDAP server returns an error, the `nsslapd-sizelimit` or the `nsslapd-lookthroughlimit` parameter might not be large enough. Follow these guidelines to set these parameters:

- Ensure that the value for the `nsslapd-sizelimit` parameter in the `slapd.conf` or equivalent file is large enough to return all the desired results; otherwise, truncation can occur, and no results will be displayed.

- Ensure that the value for the `nsslapd-lookthroughlimit` parameter in the `slapd.ldbm.conf` or equivalent file is large enough to complete a search of all the users and resources in the LDAP directory. If possible set `nsslapd-lookthroughlimit` to -1, which causes no limit to be used.

Communications Express Using Schema 1

There are two issues with Schema 1 in Communications Express:

- If you are running Communications Express with Sun LDAP Schema 1, before running the Communications Express configuration program, you must add the DC root node to your LDAP using `ldapmodify`. The entry should look like this:

```
dn: o=internet
 objectClass: organization
 o: internet
 description: Root level node in the Domain Component (DC) tree
```

- The calendar utility used to provision users in Schema 1, `csuser`, was designed for Calendar Express and does not enable a user for Address Book service as is needed for Communications Express.

Provisioning Tools

There are two tools for provisioning users, groups and domains for Calendar Server: The Delegated Administrator and Calendar Server utilities. Delegated Administrator has two user interfaces: the Console, a graphical user interface, and the Utility, a command-line interface. For information on Delegated Administrator, see the *Sun Java System Communications Services 6 2005Q4 Delegated Administrator Guide*. Instructions on use of the Console can be found in the Delegated Administrator Console online help.

For information on the Calendar Server utilities, see the *Sun Java System Calendar Server 6 2005Q4 Administration Guide*.

> **Caution** – Do not attempt to provision users through the Access Manager Console. Though it is possible to create users and assign them a calendar service, do not use this method as results will be unpredictable and negatively impact your deployment.

Documentation Updates

Calender Server 6 2005Q4 includes the following documentation. Part numbers are in parentheses.

- *Sun Java System Calendar Server 6 2005Q4 Administration Guide* (819-2433)
- *Sun Java System Calendar Server 6 2005Q4 Developer's Guide* (819-2434)
- *Sun Java System Communications Express 6 2005Q4 Administration Guide* (819-2661)
- *Sun Java System Communications Express 6 2005Q4 Customization Guide* (819-2662)
- *Sun Java System Communications Services 6 2005Q4 Delegated Administrator Guide* (819-2658)
- *Sun Java System Communications Services 6 2005Q4 Schema Reference* (819-2657)
- *Sun Java System Communications Services 6 2005Q4 Schema Migration Guide* (819-2656)
- *Sun Java System Communications Services 6 2005Q4 Event Notification Service Guide* (819-2655)

Communications Express Online Help is available on the interface.

Delegated Administrator Console Online Help is available on the interface.

Calendar Server 6 2005Q4 documentation is available on the following Web site:

http://docs.sun.com/coll/1313.1 (http://docs.sun.com/coll/1313.1)

Sun Java Enterprise System Technical Note: Sun Java System Calendar Frequently Asked Questions (819–2631) This FAQ document has not been updated for this release.

Compatibility Issues

The following table lists the known incompatibilities between Calendar Server 6 2005Q4 and earlier versions.

Incompatibility	Impact	Comments
Access Manager now has two install types: Legacy and Realm.	At installation, you must choose Legacy as the install type on the following panel: `Access Manager: Administration (1 of 6)`	If the wrong Access Manager is installed, you will not be able to run Delegated Administrator.
The Directory Preparation Tool (`comm_dssetup.pl`) under /opt/SUNWics5 doesn't work.	`comm_dssetup.pl` is now in its own package installed in /opt/SUNcomds for Solaris, and /opt/sun/comms/dssetup for Linux	To install the package, be sure the Directory Preparation Tool is selected in the appropriate installer panel.
The configuration program for the Delegated Administrator has changed.	Install Delegated Administrator and run the configuration program. The current program is located at: for Solaris, `/opt/SUNWcomm/sbin/config-commda` for Linux `/opt/sun/comms/config-commda`	Upgrade to the new Delegated Administrator when installing this version of Calendar Server.
This release of Communications Express is incompatible with the 2004Q2 version of Calendar Server.	If you upgrade Communications Express, you must also upgrade Calendar Server.	This also applies to Messaging Server.

Problems Fixed in This Release

The list that follows are problems reported for Calendar Server 2005Q1 that are fixed in this release:

4526765	**Problem:** Calendar Server utility `cscal` will not add more than two owners to a calendar at a time, no matter how many are specified in the command.
4945126	ITIP message for recurring events is incorrect.
4963040	`csdb rebuild` appends default directories onto end of specified target directory.
5018344	`search_calprops.wcap` should use better LDAP search filter to return correct result.
5023720	Usage is incorrect for `csclean -g` option.
5044765	Calendar Server package uses question mark for group ID of top-level directory.
5044776	Calendar Server packages use parametric attributes instead of assigned owner.
5053566	Linux: Calendar Server files installed by default under /etc/opt/sun/config.
5088397	`icsStatus` is not honored at the domain level.
5105867	Calendar Server has private copies of shared components.

5110172   DWP daemon fails to start on Solaris x86 platform.

6173572   cshttpd crashes when LDAP cache is enabled.

6173712   When mail lookup is configured in virtual domain mode, Calendar Server error
           29 is thrown. Mail lookup is not supported in virtual domain mode. Use user and
           group LDAP instead. In the revenue release, mail lookup settings in the ics.conf
           file are ignored in virtual domain mode.

6174162   Confusing error messages when running csrename.

6182625   WCAP change: add update as a method, otherwise after a first modification,
           Outlook gets error on subsequent modifications. Change WCAP version to 3.3.0.

6193286   Time zone from system not recognized.

6193665   When using virtual domains (hosted domains) in Schema 1,
           search_calprops.wcap with *primaryOwner=1*, does not return consistent results.

6197272   **Problem:** Setting service.http.ssl.port.enable="yes" does not disable the
           regular HTTP port.

           Fix: Documentation. HTTPS will only listen on the SSL Port if "yes" is specified.
           Both service.http.enable and service.http.ssl.port.enable must be set to
           "yes" on the back-end servers in order for SSL to work.

           Workaround: There is no way to disable HTTP from listening on a port. However,
           an administrator can change the service.http.port to an undisclosed port
           number.

6197553   csdwpd causes cluster failover after using Outlook Connector.

6206703   Can't login as user on hosted domain.

6209863   csuser should not be allowed to use -c option with create.

6211629   **Problem:** csconfigurator.sh input area in GUI is too narrow to see in Japanese
           locale.

6211917   get_freebusy.wcap crashes cshttpd.

6215989   Calendar Server crashes with login.wcap request with specific arguments when
           browser.cache.enable is set to "yes".

6219300   csrename doesn't update the deletelog, leaving orphaned entries in the deletelog.

6219332   In silent mode, still prompted to answer questions by csconfigurator.sh.

6219906   **Problem:** In virtual domain mode, if maillookup is configured in the
           ics.conffile, a WCAP error is returned.

Fix: In virtual domain mode, `maillookup` is ignored in favor of `ugldap` in the `ics.conf` file.

6220063   cshttpd crashes in `getRemovedAttendees`.

6224389   Saving a recurring event crashes `cshttpd`.

6224683   Fix up notification service. Multiple changes.

6226361   Events vanish from attendee calendars if organizer is changed by co-owner.

6227703   Possible `cshttpd` crash when LDAP cache is enabled.

6228400   System crash when issuing `get_userprefs.wcap`.

6230748   csadmind crashes in `caldb_GetNextAlarmFromQueue`.

6232493   `get_freebusy.wcap` crashes cshttpd if *dtstart* is set.

6232755   `list.wcap`, `subscribe_users.wcap`, and `unsubscribe_users.wcap` crash cshttpd

6233224   Can't install patch —18 on alternate root.

6234232   Daylight savings time for New Zealand starts and ends on wrong day.

6234868   cshttpd enters an infinite loop when calling `storeevents.wcap` from Outlook with a `mailto:` address containing a slash (`/`).

6239645   Making an exception with no change in date and time should not cause a doublebooking error.

6240039   csadmind crash in `UpdateOrganizerPendingStatus`.

6240332   Incorrect file ownership causing failure to start services.

6240579   csstored.pl has an error in the following line: `if ($log_files_count > 1)()`. It should be `> 2()`.

6241683   Changing recurring to non-recurring events does not work.

6241916   csadmind crashes when processing a GSE entry (internal attendee replying to an external organizer.

6241941   csadmind crashes while processing recurring event but the stack is processing a recurring task (todo).

6246400   All-day event missing in week view.

6249180   Calendar Server does not return all calendars for user in alias domain.

6251866   WCAP should offer the ability not to send notification when meeting details are changed. This was implemented as the smtpNotify parameter added to the `storeevents` and several delete commands. For further information see "What's New in This Release" on page 16.

6262770   When importing a word document into Communications Express, cshttpd crashes.

6265287   **Problem:** Trusted circle SSO fails when authentication filter is configured in calendar.

6266149   Basic changes needed to transition from legacy mode to virtual domain mode (hosted domains).

6269282   System does not honor `local.ldap.cache.cleanup.interval` correctly.

6269721   **Problem:** `csresource -k` option defaults differently depending on if you include it blank or just omit it.

6269822   **Problem:** Incorrect default ACE listed for resources in `csresource` merge.

6274603   **Problem:** External organizers get one reply per instance for recurring events when the attendee accepts all.

6274607   **Problem:** Import command puts in wrong organizer email address if organizer is external.

6274639   **Problem:** Back-end processor problem in `csdwpd` causes front-end `cshttpd` to fail.

6274892   **Problem:** `cscal -v list` does not work.

6275605   **Problem:** `csstored.pl` not reporting warnings when there are more than two log files in the live calendar database.

6276294   **Problem:** Secure login parameter does not work.

           Fix: Not implemented: Removed `service.http.ssl.securelogin` parameter from `ics.conf` file.

6277086   **Problem:** Need a way to turn off `local.user.authfilter` for proxy authentication.

           Fix: New parameter added to WCAP command, `login.wcap`. The parameter is `applyauthfilter`. This parameter is described in the WCAP Reference.

6277250   **Problem:** For Linux, Calendar Server will not start after upgrade. Wrong permissions on `lib` directory after upgrading with a patch.

           Workaround: As root, issue the following commands:

           1. `cd /opt/sun/calendar/lib`
           2. `mkdir lock`

3. `chown -R icsuser:icsgroup lock`

6278096   **Problem:** Email alarms are turned off when a user first adds comments to an invitation and then responds to it.

6278698   **Problem:** Incorrect copyright year on Calendar Express login page.

6279920   **Problem:** Program termination when attempt to display week view with "exclude sat & sun" setting.

6281536   **Problem:** Pre-patch script uses a method for checking required patches that does not work in Alternate Root.

6282727   **Problem:** Need ability to add X-Tokens to `calprops`. This is needed to support non-default calendars in the Connector for Microsoft Outlook.

6284100   **Problem:** RRULES being exported for individual instances, resulting in duplicate events.

6285029   **Problem:** Free in `cshttpd` caused program termination.

6286321   **Problem:** Pre-patch check looking for obsolete patch.

Known Issues and Limitations

This section contains tables that list of the more important known issues at the time of the Calendar Server 6 release:

- "Limitations" on page 30
- "Reported Problems" on page 32

Limitations

The following limitation is known at this time:

- "Removing all Instances of Multi-Valued User Preferences" on page 30
- "Finding Installed Patches in a Clustered Environment" on page 31
- "Pop-up Blockers" on page 31
- "Provisioning Users for Communications Express in Schema 1 Mode" on page 31
- "Multiple Domains (Hosted Domains)" on page 31
- "Calendar Server Does Not Expire LDAP Cache Data" on page 32
- "Must Enter Both Fully Qualified and Non-fully Qualified Hostnames in Configuration File" on page 32

Removing all Instances of Multi-Valued User Preferences

Limitation: Each `set_userprefs` command removes only one instance of a multi-valued preference.

Workaround: To remove all instances of a multi-valued user preference, you must issue one set_userpref command per instance.

For example: Perform a get_userprefs to list all of the user preferences. If there are multiple values for a preference, such as icsSubscribed , then you must issue one set_userprefs command to delete the preference for each of the values listed.

Finding Installed Patches in a Clustered Environment

Limitation: There is no cluster specific showrev command that will show what is installed on the individual nodes of the cluster. (This is a generic problem, not just Calendar Server specific. You would run into the same difficulty with any product installed on a global file system.)

This is a problem when you want to update Calendar Server. You need to apply the patch to every node where Calendar Server was already installed. In addition you can't apply the patch to a node if Calendar Server hasn't already been installed on it. If you don't know which nodes have Calendar Server installed and which do not, at the least, it will be confusing and cost you time trying to discover where Calendar Server is installed.

Workaround: Run the following command to see all of the nodes where Calendar Server is installed: pkgparam -v SUNWics5 | grep ACTIVE_PATCH

Pop-up Blockers

Limitation: Certain Calendar Server windows will not display if you have a pop-up blocker enabled.

Workaround: Disable pop-up blockers for the Calendar URL to ensure all Calendar Server windows will display.

Exception: Neither the Norton Inet Security AD_BLOCKER nor the Mozilla built-in POP_BLOCKER will affect Calendar Server windows.

Provisioning Users for Communications Express in Schema 1 Mode

Limitation: The csuser utility does not enable users it creates for Address Book.

Workaround: Enable the user using ldapmodify.

Multiple Domains (Hosted Domains)

Limitation: The configuration program, csconfigurator.sh, configures only a single domain.

Workaround: If you need a multiple domain calendar environment (called either Virtual Domains or Hosted Domains), you must do two things:

1. Enable hosted domains.

2. Add the domains yourself using Delegated Administrator, or the `csdomain` utility if you are still using Sun LDAP Schema 1.

See Chapter 11, "Setting Up Hosted Domains," in *Sun Java System Calendar Server 6 2005Q4 Administration Guide* and Chapter 13, "Administering Hosted Domains," in *Sun Java System Calendar Server 6 2005Q4 Administration Guide* in the *Sun Java System Calendar Server6 2005Q4 Administration Guide*.

Calendar Server Does Not Expire LDAP Cache Data

Limitation: (Also bug number 4777792) Cache can fill up, causing errors. Calendar Server does not expire the LDAP cache data.

Workaround: Periodically remove contents of file. Then restart Calendar Server.

Must Enter Both Fully Qualified and Non-fully Qualified Hostnames in Configuration File

Limitation: The configuration file asks for the hostname twice. Once fully qualified and the second time not fully qualified. For example:

```
caldb.dwp.server.skate.red.sesta.com.ip = "skate.red.sesta.com"
caldb.dwp.server.skate.ip = "skate"
caldb.dwp.server.test12.red.sesta.com.ip = "test12.red.sesta.com"
caldb.dwp.server.test12.ip = "test12"
```

Non-RFC Compliant Data in X-Tokens Must be Quoted

Limitation: If there is non-RFC compliant data in an X-Token, it must be quoted. For example, a colon in an X-Token must appear as "`:`".

Reported Problems

The following is a list of problems reported on the product:

4526772	**Problem:** The Calendar Server utility `cscal` does not validate users before adding them to the owners list as secondary owners.
4754661	**Problem:** The Calendar Server migration utility `csmig` does not update `icsSubscribed` with the owners calendars.
4777792	**Problem:** Lack of ability to automatically purge obsolete cached LDAP data.
	Workaround: Manually remove old cached LDAP data.
4932211	**Problem:** enpd crashes when opening and closing connections rapidly and concurrently.

4958242	**Problem:** When a user modifies an event and chooses the option to modify today's event and all future events, all previous events are deleted and will no longer display in the UI.
5019977	**Problem:** SSL initialization fails in SSLv2 mode. Unable to make use of SSLv2 client.
5027772	**Problem:** Configuration program "Get" does not get baseDN. It fetches the install root. You must specify the base DN by adding the part that comes after the root.
5060833	**Problem:** If you start a process (such as enpd) and then disable it in the ics.conf file, when stop-cal is issued, the system will not stop the disabled process.
	Workaround: Re-enable the process in the ics.conf file and then issue the stop-cal command. After all processes are stopped, then disable any processes you do not want running before issuing start-cal.
6179278	**Problem:** Hot backup log files not purged according to configuration settings.
	Workaround: To prevent disk full service interruptions, periodically copy the log files to another location and start a new log file.
6186298	**Problem:** In Schema 1 mode with hosted domains, if the DC tree is missing or improperly provisioned, calendar utilities can fail. You must create the DC tree nodes prior to creating or otherwise managing calendars.
6203605, 6245878, 6246230	**Problem:**Administrators can't delete a domain from LDAP. commadmin domain purge does not remove entries with deleted as their icsStatus. They must have removed as the status. The recommended Calendar Server utility, csclean, does not change the icsStatus to removed.
	Workaround: Use ldapmodify to change icsStatus to removed before running commadmin domain purge.
6216869	**Problem:** If DWP is disabled while the DWP process is running, stop-cal will not stop it. stop-cal should stop all services rather than just those enabled.
6216877	**Problem:** Vague error message. In a hosted domain environment, if the basednpassed tocsdomain does not exist. The actual message received is: "FAIL: icsLdapServer: Null

argument to function." This type of error message is vague because the error message originates several levels down and could be caused by many different circumstances. Rather than just passing the error through, the higher level program should interpret the error message before bubbling it up to the next higher level.

6219126	**Problem:** Leading white space stripped from `description` field when stored in calendar server.
6221009	**Problem:** Linux: On RedHat Linux 3.0 email notification is received with subject missing.
6221452	**Problem:** SSL can not be enabled or disabled on individual hosted domains. (RFE)
6221999	**Problem:** The error messages given by `csdomain` are vague and need to be more explicit.
6244958	**Problem:** When `csconfigurator.sh` is called with the `-saveState` option and the state file specified doesn't include a path the state file is not created. For example: `/opt/sun/calendar/sbin/csconfigurator.sh -saveState cs.state` **Workaround:** Always specify the full path name, where the state file should be created.
6273182	**Problem:** Using `csclean` to delete users in non-hosted domain mode fails to remove users from LDAP. **Workaround:** In non-hosted domain mode, use `csuser delete` to delete users from LDAP.
6277008	**Problem:** On Linux systems, if Calendar Server is shut down incorrectly, can't restart Calendar Server after reboot. **Workaround:** Delete the lock files from `/opt/sun/calendar/lib/lock/__db.001`.
6283756	**Problem:** For event notifications, long `To:` fields are sent as one long line without wrapping. This violates RFC 821. If the line contains over 1000 characters (SMTP line length limit is 1000 characters), Messaging Server truncates the line. **Workaround:** Use `wrapsmtp` keyword for the relevant channel in Messaging Server.

6300906	**Problem:** Calendar Server process cshttpd crashes if logging into Calendar Express when service.http.calendarhostname is set. The default is null ("").
6308379	**Problem:** Calendar Server won't work in an HA environment with Sun Cluster on Solaris 10 without patch 120500.
	Fix: Apply patch 120500.
6312605	**Problem:** Problem with recurring events. Sending in dtstart and dtend parameters with non-date-field modifications (using storeevents) causes data corruption.
6312869	**Problem:** If you upgrade Delegated Administrator from the Java Enterprise System 2005Q1 version to the Java Enterprise System 2005Q4 version, the Delegated Administrator configuration program (config-commda) freezes.
	Fix: There is a new patch available for Delegated Administrator. Do not use the one in the general release version of Java Enterprise System 2005Q4.

Redistributable Files

Sun Java System Calendar Server 6 2005Q4 contains the following set of files for which Sun Microsystems, Inc. grants you a non-exclusive, non-transferable, limited license to reproduce and distribute in binary form.

In addition, you may copy and use but not modify the listed header files and class libraries solely to cause your resulting binaries to be able to interface with Sun's software APIs.

Sample code is provided solely for reference purposes pursuant to creating the above mentioned binaries.

All the redistributable files for Calendar Server are for the plugin API, known as CSAPI. The API is described in the *Sun Java System Calendar Server 6 2005Q4 Developer's Guide* at:

http://docs.sun.com/coll/1313.1 (http://docs.sun.com/coll/1313.1)

In the following files, cal_svr_base is the directory into which Calendar Server was installed. The default for Solaris is /opt/SUNWics5/cal , for Linux it is /opt/sun/calendar

Redistributable files are found in various subdirectories of cal_svr_base/csapi :

authsdk

The following are the redistributable files in this subdirectory
(cal_svr_base/csapi/authsdk/):

```
cgiauth.c
expapi.h
login.html
nsapiauth.c
```

bin

The following are the redistributable files in this subdirectory (cal_svr_base/csapi/bin/):

```
libcsapi_xpcom10.so
libicsexp10.so
```

classes

The following are the redistributable files in this subdirectory
(cal_svr_base/csapi/classes/):

```
ens.jar
jms.jar
```

include

The following are the redistributable files in this subdirectory
(cal_svr_base/csapi/include/):

```
IIDS.h                    csIPlugin.h                 nsDebug.h
csIAccessControl.h        csIQualifiedCalidLookup.h   nsError.h
csIAuthentication.h       csIUserAttributes.h         nsHashtable.h
csICalendarDatabase.h     mozIClassRegistry.h         nsIAtom.h
csICalendarLookup.h       mozIRegistry.h              nsICaseConversion.h
csICalendarServer.h       nsAgg.h                     nsICollection.h
csIDBTranslator.h         nsCOMPtr.h                  nsID.h
csIDataTranslator.h       nsCRT.h                     nsIEnumerator.h
csIMalloc.hplugins        nsCom.h                     nsIEventQueueService.h
```

```
nsIFactory.h            nsProxyEvent.h          nsXPComFactory.h
nsIPtr.h                nsRepository.h          nscore.h
nsIServiceManager.h     nsString.h              pasdisp.h
nsIServiceProvider.h    nsTraceRefcnt.h         publisher.h
nsISizeOfHandler.h      nsVector.h              subscriber.h
nsISupports.h           nsUnicharUtilCIID.h     xcDll.h
nsISupportsArray.h      nsXPComCIID.h           xcDllStore.h
nsMacRepository.h
```

plugins

This directory (cal_svr_base/csapi/plugins/) has redistributable files in the following subdirectories:

- "accesscontrol" on page 37
- "authentication" on page 37
- "datatranslator" on page 37
- "userattributes" on page 38

accesscontrol

The following redistributable files are found in this subdirectory (cal_svr_base/csapi/plugins/accesscontrol/):

```
csAccessControl.cpp
csAccessControl.h
csAccessControlFactory.cpp
```

authentication

The following redistributable files are found in this subdirectory (cal_svr_base/csapi/plugins/authentication/):

```
csAuthentication.cpp
csAuthentication.h
csAuthenticationFactory.cpp
```

datatranslator

The following redistributable files are found in this subdirectory (cal_svr_base/csapi/plugins/datatranslator/):

```
csDataTranslator.cpp
csDataTranslator.h
csDataTranslatorFactory.cpp
```

userattributes

The following redistributable files are found in this subdirectory
(cal_svr_base/csapi/plugins/userattributes/):

```
csUserAttributes.cpp
csUserAttributes.h
csUserAttributesFactory.cpp
```

samples

This directory (cal_svr_base/csapi/samples/) has redistributable files in the following
subdirectories:

authentication

The following redistributable files are found in this subdirectory
(cal_svr_base/csapi/samples/authentication/):

```
authlogon.c
authlogon.h
authtest.c
csAuthenticationLocal.cpp
csAuthenticationLocal.h
csAuthenticationLocalFactory.cpp
```

datatranslator

The following redistributable files are found in this subdirectory
(cal_svr_base/csapi/samples/datatranslator/):

```
csDataTranslatorCSV.cpp
csDataTranslatorCSV.h
csDataTranslatorCSVFactory.cpp
```

ens

The following redistributable files are found in this subdirectory
(cal_svr_base/csapi/samples/ens/):

```
apub.c
asub.c
rpub.c
rsub.c
```

userattributes

The following redistributable files are found in this subdirectory
(`cal_svr_base/csapi/samples/userattributes/`):


```
csUserAttributesDB.cpp
csUserAttributesDB.h
csUserAttributesDBFactory.cpp
```

◆ ◆ ◆   **C H A P T E R   2**

Sun Java System Messaging Server 6 2005Q4 Release Notes

Version 6 2005Q4

These Release Notes contain important information available at the time of release of Sun Java™ System Messaging Server 6 2005Q4. New features and enhancements, known issues and limitations, and other information are addressed here. Read this document before you begin using Messaging Server 6 2005Q4.

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These release notes contain the following sections:

Third-party URLs are referenced in this document and provide additional, related information.

Release Notes Revision History

TABLE 2–1 Sun Java System Messaging Server Revision History

Date	Description of Changes
July 2005	Beta release of Sun Java System Messaging Server 6 2005Q4
October 2005	Final release of Sun Java System Messaging Server 6 2005Q4
March 2006	Listing of documentation updates to *Sun Java System Messaging Server Administration Guide*.

About Messaging Server 6 2005Q4

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 prevent 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.

What's New in This Release

The following new features and enhancements were added to the Messaging Server 6 2005Q4 release:

- **Communications Services Delegated Administrator** is the recommended mechanism for provisioning Messaging Server and Sun Java System Calendar Server (Calendar Server) users. For more information, see Chapter 4

- **The Access Manager (formerly called Identity Server) Services** provide Messaging and Calendar Server LDAP user entry provisioning. The Access Manager Services interface now allows input validation. See http://docs.sun.com/app/docs/coll/1292.1 for more information.

- **New MTA Features**

The default value for the MISSING_RECIPIENT_POLICY MTA option has been changed from 2 (add envelope recipient list as a To: field) to 1 (ignore missing recipient condition). Messaging Server is now in compliance with RFC 2822.

The MTA now has the ability to process multiple LDAP attributes with the same semantics. The handling attributes receive depends on the semantics. The possible options are:

- Multiple different attributes don't make sense and render the user entry invalid. This handling is the default unless otherwise specified for this version of Messaging Server.

- If multiple different attribute are specified one is chosen at random and used. `LDAP_SPARE_3` is the only attribute that receives this handling in this release; it is how all attributes are handled prior to this release.

- Multiple different attributes do make sense and should be treated as equivalent. This handling is currently in effect for `LDAP_CAPTURE`, `LDAP_MAIL_ALIASES`, and `LDAP_MAIL_EQUIVALENTS`.

The MTA now has the ability to chose between multiple LDAP attribute values with different language tags and determine the correct value to use. The language tags in effect are compared against the preferred language information associated with the envelope from address. Currently, the only attributes receiving this treatment are `LDAP_AUTOREPLY_SUBJECT` (normally `mailAutoReplySubject`), `LDAP_AUTOREPLY_TEXT` (normally `mailAutoReplyText`), `LDAP_AUTOREPLY_TEXT_INT` (normally `mailAutoReplyTextInternal`), `LDAP_SPARE_4` and `LDAP_SPARE_5`.

Sieve errors are now logged as such in `mail.log` when `LOG_FILTER` is enabled.

The type of transport protocol in use (SMTP/ESMTP/LMTP) is now logged and made available to the various access mappings. Two new modifier characters have been added to the set that can appear after an action indicator in the `mail.log*` files:

`E` - An EHLO command was issued/accepted and therefore ESMTP was used

`L` - LMTP was used

Previously, the only modifier characters that would appears were `A` (SASL authentication used) and `S` (TLS/SSL used). Additionally, the `$E` and `$L` flags respectively will be set as appropriate for the various `*_ACCESS` mappings.

Wildcards are now allowed in the strings used to match verdicts returned by spam filters.

`imsimta encode` now supports three new switches:

`-disposition=VALUE` Sets the content-disposition to the specified VALUE

`-parameters=NAME=VALUE` Specifies one or more additional content-type parameters and their values
`-dparameters=NAME=VALUE` Specifies one or more additional content-disposition parameters and their values

Bit 4 (value 16) of the `DOMAIN_UPLEVEL` MTA option is now used to control whether address reversal rewriting is:

(1) Skipped if the address is a `mailEquivalentAddress` (bit clear)

(2) Performed only if the address is a `mailAlternateAddress` (bit set)

A value (`/`) given as an [envelope_from] nonpositional alias parameter, as an errors to positional alias parameter, or as a value of the `mgrpErrorsTo` LDAP attribute is now interpreted as a request to revert to using the original envelope from address for the incoming message while retaining mailing list semantics. This can be useful for setting up mailing lists that report all forms of list errors to the original sender.

The Job Controller directory sweep has been updated. Instead of reading all the files in the queue directory in the order in which they are found, it reads several channel queue directories at once. This makes for much more reasonable behavior on startup, restart, and after `max_messages` has been exceeded. The number of directories to be read at once is controlled by the Job Controller option `Rebuild_Parallel_Channel`. This can take any value between 1 and 100. The default is 12.

The sieve interpreter now keeps track of whether a response message was generated by a notify or vacation action and logs this information as needed.

The option `Rebuild_In_Order` parameter has been added to the `job_controller`. If this is set to a non-zero value, then on startup, the Job Controller adds previously untried (`ZZ*`) messages to the delivery queue in creation order. Previous (and default) behavior is to add the messages in the order in which they are found on disk. There is a cost associated with recreating the queues in order.

Some additional reasons why a requested vacation response isn't sent are now logged.

Deprecated Features

Support for the following features may be eliminated in a future release:

Messenger Express and Calendar Express

Going forward, no new features will be added to the Messenger Express and Calendar Express user interfaces. They have been deprecated in favor of the new Communications Express user interface. Sun Microsystems, Inc. will announce an end-of-life time line for Messenger Express and Calendar Express at a future date.

The following bugs affect the deprecated Messenger Express product:

The Up and Down buttons removed. (no bugid)

The Up and Down buttons used to specify the ordering of your filters have been removed.

Buildhash directories should not be referenced in the Messenger Express Customization Guide (6190726)

The documentation should have referenced the ispell source files available at:
http://http/www.gnu.org/software/ispell/ispell.html.

Problems may be seen in Messenger Express on Internet Explorer 6 when proxy server setting is used. (4925995)

Workaround

Enable or disable "auto-detection" option in Internet Explorer's encoding menu. Use direct connection or switch to different proxy server.

Feature removed from the Advanced Mail Filter Conditions window. (4908625)

The ability to specify a time frame for your filters has been removed from the Advanced Mail Filter Conditions window (of the Mail Filters user interface) for the Messaging Server 6.0 Patch 1 release. The feature was removed because the underlying support is not available.

If you create groups within an existing group, you may encounter the following error: pab::PAB_ModifyAttribute: ldap error (No Such object). (4883651)

Localized Messenger Express does not merge some of the folders created by Outlook Express. (4653960)

It is sometimes desired that default "Sent" folder in Messenger Express can be replaced with "Sent Items" folder created by Outlook Express, hence all the messages sent by both client is copied to "Sent Items" folder. This operation is difficult, particularly in Japanese.

Workaround

1. Edit Japanese i18n.js to match Outlook Express' "Sent Items" translation

```
i18n['sent folder IE'] = 'soushinzumiaitemu'
fldr['Sent Items'] = 'soushinzumiaitemu'
```

2. End users must log onto Messaging Server using Outlook Express first.

With Directory Server 5.1 or later, you will not be able to enter multiple email IDs for a single contact in the Personal Address Book. (4633171)

Note that Directory Server is exhibiting correct behavior. Due to a problem in Netscape Directory Server 4.x, you are able to enter multiple email IDs.

Administration Console

The Sun Java System Administration Console has been deprecated and will be removed from the Messaging Server product in a future release.

The following bugs affect the deprecated Administration Console product:

Administration Console can not be started on Red Hat Linux platforms. (6215646)

On Red Hat Linux 3.x, Administration console can not be started. If you click Messaging Server node or Open button on Administration Console, nothing happens. On Red Hat Linux 2.x, Console is started but is missing Manage Certificate button.

Can't start/stop services from Administration console (6215105)

Can't stop IMAP, POP, MTA and HTTP services from Administration console; eventually, the console freezes. This bug will be fixed in the forthcoming patch release.

Administration Server console does not recognize preconfigured Messaging Server in SSL mode. (5085667)

If you have preconfigured the Messaging Server for SSL use, and if you access the Messaging Server configuration from the Administration Server console, the console does not recognize the installed certificates. The Administration Server console attempts to create a new key database.

Workaround

Before you use the Administration Console, create symbolic links (symlinks) for the SSL certificates from the <*msg-svr-root* >/config area to the <admin-server-root >/alias area, as follows:

- From <*msg-svr-root* >/config/cert8.db (or cert7.db) to <*admin-server-root* >/alias/msg-config-cert8.db (or cert7.db)

- From <*msg-svr-root* >/config/key3.db to <*admin-server-root* >/alias/msg-config-key3.db

(Linux) Messaging Server console shows an error opening online help. (5054732)

Cannot Create a User Through the Administration Console (4852026 & 4852004)

Messaging Server no longer supports user or group creation using the Administration Console. User and group entries should be created using the User Management Utilities. The following error messages may appear when logging in as, or sending mail to, a user created using Administration Console:

```
Quota root does not exist
```

```
4.0.0 temporary error returned by alias expansion: . . .
```

Netscape Browser Support

Firefox browser support will replace Netscape browser support at a future date.

Requirements

This section describes the following platform, client product, and additional software requirements for this release of Messaging Server:

Note – For information about upgrading to Messaging Server 6 2005Q4 from a previous version of Messaging Server, see "Installation Notes" on page 50.

Important Patch Information

For the current list of required patches for Sun Java System Messaging Server go to
http://sunsolve.sun.com and select either "Patches" or "Patch Portal". As operating system
patch requirements change and patches to Java Enterprise System components become
available, updates will be made available on SunSolve, initially in the form of recommended
patch clusters.

Supported Platforms

This release supports the following platforms:

- Solaris 8 Operating System with required patches (SPARC® Platform Edition)
- Solaris 9 Operating System Update 2 (SPARC and x86 Platform Editions) with required
  patches
- Solaris 10 Operating System (SPARC and x86 Platform Editions) including Zones Support
- Red Hat Linux 2.1 Update 2 (or later updates)
- Red Hat Linux 3.0 Update 1 (or later updates)

For detailed information about Solaris and Linux requirements, including required upgrade
patches and kernel versions, see the *Sun Java Enterprise System 2005Q4 Installation Guide for
UNIX* and *Sun Java Enterprise System 2005Q4 Release Notes.*

For a list of the Messaging Server packages, see Appendix Appendix A, "Java ES Components
for This Release," in *Sun Java Enterprise System 2005Q4 Installation Guide for UNIX* in the *Sun
Java Enterprise System 2005Q4 Installation Guide for UNIX.*

Note – The Java Enterprise System installer checks for required platform patches. You must
install all required patches or the installation process will not continue.

Note – The performance of your messaging server 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 Sun Java System representative.

Required Patches

For more information on Messaging Server patches, see http://sunsolve.sun.com

Client Software Requirements

Communications Express access for Messaging Server requires a JavaScript-enabled browser.
For optimal performance, Sun recommends the browsers listed in this section:

TABLE 2–2 Messaging Server 6 2005Q4 Client Software Recommendations

Browsers	Solaris 8 for Sparc, Solaris 9 for Sparc, and X86, Solaris 10 for Sparc and X86	Windows 98	Windows 2000	Windows XP	Red Hat Linux 7.2	Macintosh OS X
Netscape™ Communicator	7.1	7.1	7.1	7.1	7.1	7.1
Internet Explorer	N/A	6.0 SP1 or later	6.0 SP1 later	6.0 SP2	N/A	N/A
Mozilla™	1.4	1.5+	1.5+	1.5+	1.5+	1.5+

Product Version Compatibility Requirements

Messaging Server is compatible with the product versions listed in this section:

TABLE 2–3 Product Version Compatibility Requirements

Product	Version
Sun Cluster	3.1
Veritas Cluster Server	1.3, 2.0, 3.5, 4.0
Sun Java System Directory Server	5.1, 5.2
Sun Java System Access Manager (formerly called Identity Server)	**Compatible (6.x)**: Supports Access Manager 6 features, including the Access Manager 6 Console and directory information tree (DIT). If you are installing Access Manager with Portal Server, Messaging Server, Calendar Server, Delegated Administrator, or Instant Messaging, you must select the Access Manager Compatible (6.x) installation type.
	Enhanced (7.x): Supports Access Manager 7 features, including the new Access Manager 7 Console. Use the Enhanced (7.x) installation type only if you are not installing Portal Server, Messaging Server, Calendar Server, Delegated Administrator, or Instant Messaging.
Sun Java System Web Server	6.1
Sun Java SystemApplication Server	7.x and 8.x

NSS Version Requirements

Messaging Server 6 2005Q4 requires the use of the shared security component NSS version 3.9.3.

For more details about product version dependencies, see the *Sun Java Enterprise System 2005Q4 Installation Guide for UNIX* and *Sun Java Enterprise System 2005Q4 Release Notes*

Messaging Server Use of Administration Server

Messaging Server uses Administration Server for the following purposes:

- If you use the console to administer Messaging Server, you must have Administration Server running on the same machine.
- When Messaging Server is configured, Messaging Server reads the Administration Server configuration files. However, Administration Server does not have to be running to accomplish this task.

Additional Software Requirements

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, ensure in your setup 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 should contain the IP address of the gateway system. This address must be on a local subnet.
- The /etc/resolv.conf exists and contains the proper entries for reachable DNS servers and domain suffixes.
- In /etc/nsswitch.conf, the hosts: line has the files, dns and nis keywords added. The keyword files must precede dns and nis.
- Make sure that the FQDN is the first host name in the /etc/hosts file.

If your Internet host table in your /etc/hosts file looks like:

```
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
```

File System

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 carefully watch 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, for message defragmentation. (See the *Sun Java System Messaging Server 6 2005Q4 Administration Guide*. In addition, NFS can be supported on BSD-style mailboxes (`/var/mail/`) as well as for the Message Store

  In addition, NFS is compatible with NAS.

Installation Notes

These installation notes pertain to the Messaging Server 6 2005Q4 release:

Installation Overview for Messaging Server

Use the Java Enterprise System 2005Q4 Installer to install Messaging Server.

For installation instructions, see the *Sun Java Enterprise System 2005Q4 Installation Guide for UNIX*.

Next, you must configure Messaging Server by:

- Running the Directory Server Preparation Tool, `comm_dssetup.pl`.
- Running the Messaging Server configuration program.

For configuration instructions, see the *Sun Java System Messaging Server 6 2005Q4 Administration Guide*

Upgrade Instructions for Messaging Server

If you are upgrading to Messaging Server 6 2005Q4 from an earlier release, follow the upgrade instructions in the *Sun Java Enterprise System 2005Q4 Upgrade Guide* as well as the *Sun Java Enterprise System 2005Q4 Release Notes*.

Checking the `/etc/hosts` file entry

If you are installing Messaging Server for the first time or upgrading from an earlier version of Messaging Server, ensure that you have the following entry in `/etc/hosts` file on your Solaris system:

<ip-of system> <FQHN> <hostname>

For Example, `129.158.230.64 budgie.siroe.varrius.com budgie`

Note – On Solaris 10 platforms, you not only have to add the Fully Qualified Domain Name (FQDN) to the `/etc/hosts` file, but also to the `/etc/inet/ipnodes` file. Otherwise, you will get an error indicating that your host name is not a Fully Qualified Domain Name.

Compatibility Issues

The following table describes compatibility issues with Messaging Server:

Incompatibility	Workaround	Comments
Access Manager now has two installation types: Realm (version 7.x style) and Legacy (version 6.x style).	If you are installing Access Manager with Messaging Server, Calendar Server, Instant Messaging, Delegated Administrator, or Portal Server, you must select Legacy mode (version 6.x style). See: *Sun Java System Access Manager 7 2005Q4 Release Notes*	If the wrong Access Manager is installed, you will not be able to run Delegated Administrator.
On Linux platforms, the Administration Console does not work for Messaging Server.	Use the `stop-msg` and `start-msg` commands in the *msg_svr_base*/sbin directory.	For more information on the `stop-msg` and `start-msg` utilities, see the *Sun Java System Messaging Server 6 2005Q4 Administration Guide*.
After upgrading the Messaging Express Multiplexor (MEM) to version JES 4, the Unified Web Client default mailbox view has changed. (bug 6275916)	No workaround.	No additional comments.
After upgrading Messaging Server to version JES 3, you see a null pointer exception when you try to start or stop Messaging Server through the Administration Server. (bug 6303859)	Use the `stop-msg` and `start-msg` commands in the *msg_svr_base*/sbin directory.	For more information on the `stop-msg` and `start-msg` utilities, see the *Sun Java System Messaging Server 6 2005Q4 Administration Guide*.

Incompatibility	Workaround	Comments
In Messaging Server 5.x, an administrator could use the IMAP `list` command to display all folders in the message store. In a typical message store, this caused the server to display an unusually long list. In Messaging Server 6.x, when an administrator runs the IMAP `list` command, it displays only the explicitly shared folders.	To list all folders in the message store, use the `mboxutil` utility.	For more information on the `mboxutil` utility, see the *Sun Java System Messaging Server 6 2005Q4 Administration Guide.*
While the preferred single-sign on (SSO) method is the one provided by Sun Java System Access Manager (formerly called Identity Server), Messaging Server continues to support the old version of single-sign on.	No workaround	For more information, see For more information on SSO and Access Manager, see: `http://docs.sun.com/ app/docs/coll/1292.1.`
This release of Communications Express is incompatible with the 2004Q2 version of Calendar Server.	If you upgrade Communications Express, you must also upgrade Messaging Server.	This also applies to Calendar Server. For more information on Communications Express, see Chapter Chapter 5.
The Communications Services Delegated Administrator console and utility (`commadmin`) are the preferred mechanisms for provisioning Messaging Server users in an LDAP directory that is compatible with Access Manager.	Though Access Manager services can be used to provision user and group entries, results with Access Manager are unpredictable and may negatively impact your deployment. Use the Communication Services Delegated Administrator instead.	For more information on Delegated Administrator, see Chapter Chapter 4

Incompatibility	Workaround	Comments
Clarification is needed on RTF/HTML editing and browser compatibility for Messenger Express and Communications Express. (bug 6311363)	On Messenger Express, you are able to use RTF/HTML editing for Internet Explorer browsers. You are unable to use RTF/HTML editing with Mozilla or Netscape browsers. In the JES 2 version of Communications Express, you are able to use RTF/HTML editing for Internet Explorer browsers. You are unable to use RTF/HTML editing with Mozilla or Netscape browsers. In the JES 3 version of Communications Express, you are able to use RTF/HTML editing for Internet Explorer 5.5 or later, Mozilla 1.3 or later, or Netscape 7.2 or later.	No additional comments.

Documentation Updates for Messaging Server 6 2005Q4

This section describes the documentation updates in the Messaging Server 6 2005Q4 documentation set.

The following updates have been made to the *Sun Java System Messaging Server 6 2005Q4 Administration Guide*:

- In Chapter 1, in the section on "To Run the Configure Program" in *Sun Java System Messaging Server 6 2005Q4 Administration Guide*, Step 1 has been updated to ensure that DNS is properly configured (6376696).

- In Chapter 2, in the section on "Migrating User Mailboxes to Another Messaging Server While Online" in *Sun Java System Messaging Server 6 2005Q4 Administration Guide*, this procedure has been augmented with additional information.

- In Chapter 7, in the procedure entitled "To Configure the Port of the Back-end Messaging Server with the Messenger Express Multiplexor" in *Sun Java System Messaging Server 6 2005Q4 Administration Guide*, `local.service.proxy.port` was changed to `local.service.HTTP.proxy.port`.

- In Chapter 12, in the section on "Controlling How Multiple Addresses on a Message are Handled" in *Sun Java System Messaging Server 6 2005Q4 Administration Guide*, the following text was added regarding the `single` channel keyword: "Use of `single` on `tcp_*` channels is not recommended because it changes the way the job controller manages traffic and is not appropriate for normal SMTP scenarios."

- In Chapter 15, the procedure entitled "To Configure the Inbound MTA Relays with LMTP" in *Sun Java System Messaging Server 6 2005Q4 Administration Guide*, the procedure has been corrected and updated.

- In Chapter 17, "Mail Filtering and Access Control," in *Sun Java System Messaging Server 6 2005Q4 Administration Guide*, the $T text description has been changed in Table 17-3 "PORT_ACCESS Mapping Flags" (6342679).

- In Chapter 18, in the procedure entitled "To Set Rules Implementing Automatic Message Removal Policy" in *Sun Java System Messaging Server 6 2005Q4 Administration Guide*, `Rule1.folderpatten` was changed to `Rule1.folderpattern`. Also added two lines to example to enable the reading of regular expressions.

- In Chapter 18, in the section on "Expiration Rules Guidelines" in *Sun Java System Messaging Server 6 2005Q4 Administration Guide*, the following text was added: "Note that multiple non-global rules (user, folder, partition) using `rule_name` was only implemented in the Messaging Server 6.2p4 release and later." (6326879)

- In Table 21-2 "Logging Entry Codes" in Chapter 21, "Managing Logging," in *Sun Java System Messaging Server 6 2005Q4 Administration Guide*j, a new logging entry code `V` was added. It will appear whenever a transaction is abnormally aborted.

The S/MIME signature and encryption features were introduced for Communications Express Mail in the Sun Java System Messaging Server 6 2005Q4 Release.

See the *Messaging Server Administration Guide* for information to administer the signature and encryption features.

How you save an attachment depends on the nature of the message that has the attachment. If the message has an S/MIME signature, was encrypted, or both, use Procedure 1 to save its attachments. Use Procedure 2 if the message does not use the S/MIME features.

Procedure 1 — Saving Attachments for a Message that uses S/MIME

To save an attachment for a message that uses the S/MIME features, follow these steps

1. Click the name of the attached file in the message header.

2. The "Save" dialog box appears. In the File Name field, enter the name of the attachment to be saved

3. Click Save.

Procedure 2 – Saving Attachments for a Message that Does Not Use S/MIME

To save an attachment for a message that does not use the S/MIME feature, follow these steps:

1. Use the Save As function of your browser to save the attachment. Or, right-click the name of the attached file in the message header. (In the case of GIF or JPEG files, which are displayed in the body of the message, right-click on the image.)

2. Click Save in the dialog box. Or, choose Save Target As from the drop-down menu.

3. The "Save As" dialog box appears. In the File Name field, enter the name of the attachment to be saved.

4. Click Save.

For additional information about Messaging Server, see the Messaging Server 6 2005Q4 documentation, listed in the following sections.

Messaging Server Documents

Use the following URL to see all the Messaging Server 6 2005Q4 documentation

http://docs.sun.com/coll/1312.1

Messaging Server 6 2005Q4 provides the following new and updated documents:

- *Sun Java System Messaging Server 6 2005Q4 Administration Guide*
- *Sun Java System Messaging Server 6 2005Q4 Administration Reference*
- *Sun Java System Messaging Server 6 2005Q4 MTA Developer's Reference*

Communications Services Documents

Use either one of the following URLs to see the documentation that applies to all Communications Services 6 2005Q4 products:

http://docs.sun.com/app/docs/coll/1312.1 or http://docs.sun.com/coll/1313.1 (http://docs.sun.com/coll/1313.1)

The following documents are available:

- *Sun Java System Communications Services 6 2005Q4 Documentation Center*
- *Sun Java System Communications Services 6 2005Q4 Delegated Administrator Guide*
- *Sun Java System Communications Services 6 2005Q4 Deployment Planning Guide*
- *Sun Java System Communications Services 6 2005Q4 Schema Migration Guide*
- *Sun Java System Communications Services 6 2005Q4 Schema Reference*
- *Sun Java System Communications Services 6 2005Q4 Event Notification Service Guide*
- *Sun Java System Communications Express 6 2005Q4 Administration Guide*
- *Sun Java System Communications Express 6 2005Q4 Customization Guide*

Bugs Fixed in This Release

This section describes the bugs fixed in the Messaging Server 6 2005Q4 release that were documented as known issues in previous Messaging Server Release Notes.

For a complete list of bugs fixed in this release, see the README file delivered with the Messaging Server core software patch.

4896267	No error logged in the default log when mailbox name is invalid.
4962377	Japanese log records now include authorization information.
4974428	Packages have a default `BASEDIR` of `/opt`.
4985907	Corrupt Japanese Delivery Reports.
4987384	`SunONE_MsgSvr` script echoes unnecessary `-n`.
5048159	`STATUS` command is slow on large fragmented mailbox.
5060566	`job_controller.cnf` missing `master_command` for `hold` channel.
5060638	French localization: &_agrave; instead accented a in "Mettre a jour" label.
5064300	Need configuration option to limit number of folders /sub-folders.
5091535	XFILE: 5090205, `tcp_smtp_server` dumps core with LDAP over SSL.
5098299	Notification failure error in `amSession` log during logging out from Communications Express.
5100202	Add addresses: does not add all entries into the Personal Address Book.
5104279	Return job doesn't recognize messages with urgent priority.
5106562	Illegal commands can cause `imsimta qm` to dump core.
6183650	`tcp_smtp_server` performance problem (100% CPU utilization).
6184095	Upgrade script should deprecate `autoreply` channel.
6186334	S/MIME: retry on WMAP commands when HTTP connection lost in Applet.
6191074	Request limitation on physical number of messages per folder and log message.
6196349	Console hangs when setting expire rule with header constraints.
6196879	Include user original over the wire login ID in MMP log output.
6198129	Quota bar is not right when user is over quota.
6199242	Accented messages are not being displayed correctly.
6200132	SMIME message not sent with priority requested.
6200692	RENAME operation from a personal folder to a shared folder succeeds but user cant see the folder.
6202176	`imsbackup` does not backup user defined flags.
6202779	`ims_info_get_core` does not provide detailed error reporting.
6203551	System flags are not restored when restoring form SPARC to x86.
6204204	Add `-i` option to `imsimport` to ignore Content-Length.

6204294   Click on shared folder, then click on INBOX get JavaScript error.

6204409   Setting mail forwarding is possible without entering a mail forwarding address.

6204911   msprobe logs messages to the imta log file imexpire -m dumps core.

6205866   imsimport is not checking the two leading new lines in From_ line.

6205957   service.readtimeout should be set to 30 by default.

6206104   need reconstruct (or some tool) to correct bad store.sub.

6206193   Multiple packages deliver the same binary for SUNWmsgwm and SUNWmsges.

6207499   Cannot break the mboxutil -o command.

6207512   imsrestore restores the INBOX on second attempt when threshold is exceeded.

6207518   mboxutil -d returns Unknown code __9F 242.

6207865   stored time out waiting for processes to exit must be finite.

6209210   immonitor-access appears to calculate IMAP time incorrectly, when combined
            with SMTP.

6209318   SNMP sub agent fails to come up.

6211683   Going out from mail tab to other tab causes folder tree to disappear.

6211969   Possible memory corruption when sleepycat transaction fails.

6212021   reconstruct -m reports fixing quotas, but doesn't.

6212408   Memory leaks when opening a corrupted mailbox.

6212524   Memory leaks in reconstruct when mailbox is corrupted.

6213176   Utilities should tell the user as well as log that the watcher is not running.

6214039   spamfilterXoptin broken.

6214056   Encode unparseable address header fields.

6214098   Fix mboxutil usage: duplicate entry for -d option, -P not listed as valid parameters
            to -d.

6214559   Unread message count disappears when user clicks on View Message Header
            Detail.

6214941   imsconnutil -c logs store emergency error when there is no connected user.

6215105   Can't start/stop services (IMAP/POP/MTA/HTTP) from Messaging Server
            console.

6215535   Expired encrypting certificate causes valid signature displayed as invalid when
            viewed by recipient.

6215928	Encode 8 bits header (sender).
6216924	`start-msg` creates error message while testing on NFS.
6217848	`ims_master` dumped core when `mailmessagestore` LDAP attribute is invalid.
6217929	Forwarded message saved as draft appears to lose the forwarded attachment.
6218016	Generate a log message automatically when `MAX_MESSAGES` is exceeded.
6218085	Mailbox corruption reported when none exists.
6219856	5.2P2 to 6.2 upgrade: primary partition path is not modified.
6219866	Upgrade from 5.2P2 to 6.2: `make_mta_config_changes.sh` fails on certain copy commands.
6220293	Perform job controller rebuild in such a way that the startup is more fair.
6221332	Change ICAP request string to avoid 201 response.
6221409	Spamfilter support enhancements for new version of Brightmail.
6221971	Unable to make a fresh restart of messaging services via administration console after changes.
6222031	Setting `URL_RESULT_CACHE_SIZE` to 0 breaks URL result processing.
6222639	Bookkeeping error counting delayed messages.
6222841	HTTP daemon crashes on deleting folder after creating a subfolder.
6223834	`immonitor-access -I` core dumps when user in hosted domain.
6223848	`reconstruct` does not notice all nulls in cache record.
6225212	Administration Console invoked in German sets expire rule with German for or.
6225252	`imsimport` creates mailbox with uppercase domain name.
6225506	Customer wants to use `$subject` in his autoreply message.
6225708	Reconstruct core on Ctrl/C with iBiff.
6225730	Case sensitive causes problems with `reconstruct`.
6225886	`imexpire` dumped core when one specifies `-m -1`
6226020	`imsimta encode -header -filename` with multiple files botches boundary marker.
6226161	Version of `comm_dssetup.pl` in `/opt/SUNWmsgsr/install` corrupts Access Manager.
6226915	`$N` with no argument in `AUTH_REWRITE` doesn't get default error text.

6227966	Cannot break (Ctrl-C) the `msuserpurge` command.
6228002	`imsched` dumped core during refresh.
6228422	`AService` program core dump when configuration file permissions incorrect
6228579	`msuserpurge -v` is not listing all users error.
6229781	Audit access control changes on IMAP folders
6230704	SNMP shows 0 values for all message access information
6231048	`job_controller` looping in `addtopriorityqueue` (ETRN)
6231202	Garbage in Y records in log files
6231361	problems setting large quotas on a user basis
6231733	Use heuristic parse to extract address from headers for `AUTH_REWRITE`
6231993	messages will not be dequeued from defragment channel
6232090	probe test fails to restart dispatcher daemon after dispatcher daemon is killed
6232268	MTA passes " " as the quota value to the store when quota information is not available
6232311	`transactionlimit` keyword not working
6232802	`disconnecttransactionlimit` not getting checked at MAIL FROM stage
6233449	Regression: `tcp_smtp_server` and `imap` both dumped core XFILE 6235303
6233479	MMP needs ability to change user search filter within domain when `inetDomainSearchFilter` is not set
6234542	Copying a large message to a folder on another server fails
6234674	String concatenate doesn't guard against append argument being too long
6234695	Spamfilter error handling calls wrong routine
6235058	`iminitquota` should check and repair overquota `mailuserstatus` when `overquotastatus` is enabled
6235382	Setting `local.store.overquotastatus` to 'on' does not enable `quotaoverdraft` mode automatically
6236243	Clean up sieve `setdate` support
6236245	Add support to sieve notify to include original message in new message
6237533	`mboxutil -o` does not list orphan mailboxes that have LDAP entries with different case in the UIDs
6238652	Invalid 'Mailbox corrupted, appears truncated' error from `ims_master`

6239259	Incorrect message size logged by MTA if message submission is rejected
6239614	Missing leading new line in a From line of an exported mailbox
6239755	More log info when SMTP connection aborted
6240741	Folders to be managed only by privileged accounts with proper ACL semantic
6240796	`ims_master` should defer additional recipients when it detects shutdown time out
6242994	`imexpire` command doesn't terminate fast enough
6243696	Too many `msprobe` processes hanging around when there is database hang/lock
6243967	dbhang/deadlock after running stress for 45 minutes
6244028	`msprobe` not recognizing SSL-only MMP configuration
6244207	`msprobe` need to be able to test SSL ports
6244671	Regression: spaces in `certmap.conf` issuerDN cause parsing error
6244723	`imsbackup` hangs on some Windows folders.
6244775	Administration Server: Incorrectly built binary which accesses `errno` or `h_errno` directly
6244856	Should sanity check `service.http.idletimeout`
6245470	`mboxutil` operations should log input from `-f` file
6246028	`job_controller` core null message `removefrompriorityqueue` after reload
6246247	SMS channel may core in header processing (`he_`) routines
6247383	`imsexport` produces invalid date format in From line
6247677	Log Messsage in `imsbackup` should indicate which file is problematic
6248353	Granting permission to a mail folder or to an LDAP group expands group to individual members.
6249578	Logging RFE: Failed index file open/read message needs more information.
6250226	`MoveUser` removes the folders.
6250671	Messenger Express Multiplexor: user is redirected to the login page if the session ID contains a '+' or a '/'
6251752	`mshttpd` core dump in `saslglue_conn_new` ()
6251852	Messages still send to the store after message store disk availability check enabled
6252960	Off by one error in check of `ALLOW_TRANSACTIONS_PER_SESSION` option
6253743	`sslconnect` dumps core

6255339	Return job not passing envelope from address to notification generator
6255489	Cannot create a sub folder in a shared folder from another user in a non default domain
6259539	MTA SDK may core (SEGV) when dequeueing a message with multiple recipients
6259896	MTA SDK envelope recipient address lookup failures
6260796	`imsimta clbuild` fails during postpatch
6261048	Out of box installation should not enable SSL
6261136	Messages are still appended onto Sent folder via Communications Express even if one is over quota
6261566	Multiple notifications are being sent for delayed messages
6261852	`start-msg` not detecting the presence of SNMP sub-agent
6262116	The Job Controller can exit if Ctrl-C is typed at any time after running `imsimta refresh`.
6262295	MTA SDK may report inapt and confusing error codes
6262675	Unexpected outstanding SSL handshake message log level needs to be adjusted
6263895	Result of `PERSONAL_NAMES` mapping and `LDAP_PERSONAL_NAMES` should be automatically quoted if necessary
6264192	Need ability to start SMPP PDU sequence numbers at a value other than 0x00000000
6264200	Wrong message sent when delivering via LMTP and NOTIFY=SUCCESS set
6264543	Messaging Server patch needs to be patch automation friendly
6264566	Request for more detailed logging of MMP operations
6265235	Trusted circle SSO fails when `inetDomainSearchFilter` is configured in Messaging Server
6265361	Incorrect `pthread_cond_timedwait()` call may lead to undefined behavior in SMS channel, MTA SDK
6265442	Different behavior of `imsimta process` command on Linux platform
6266169	`configmsg_init_default()` only loads configuration once
6267592	`iminitquota` should issue right error message instead of "Unknown code __9F 242"
6268197	Running stored from a directory not readable by mailsrv user can cause database log accumulation error

6268200	`imsrestore -n` does not work
6268438	Messages appearing in MTA debug logs without `master_debug` keyword specified
6268969	Vacation messages are sent with a spurious line break every 1024 characters
6269089	History line written when LMTP encounters "all addresses ugly" condition is incomplete
6269510	LMTP server shouldn't write debug log output for delivery failures unless debugging is enabled.
6270696	Messaging Server Console is unable to start in German, Spanish, simplified Chinese and traditional Chinese languages.
6271555	Typography mistake in ULA database: 'signing cert' instead of 'signing certificate'
6272281	`readership` command fails with a folder in Japanese characters
6273362	Inner forcing text mode processing of text mime types
6274098	mshttpd cores - free calls abort in `dm_dispose_result` after fix for bug 6269460
6274165	Job Controller client API does not correctly handle read errors
6274166	Job Controller can hang in readline() when transmitted data contains a NUL
6274342	MMP logfiles become unreadable due to missing CR
6275540	msprobe reporting Unable to open `AService.cfg`
6275693	Need `ims_info_get_core/get_mmp` to log error messages from `optfile_read`.
6276007	msuserpurge search timeout error.
6276851	`mboxutil -o -w` file name dumped core when output file cannot be opened/created.
6277023	`local.webmail.sso.uwcsslport` should default to sensible value.
6277244	8–bit check flags may be incorrect if no content-type is present.
6277547	`mgrpMsgPrefixText` and `mgrpMsgSuffixText` not working.
6278606	Use of non-default notification arguments can result in unnecessary message copies being made.
6278609	`store.expirerule.longdays.messagedays` can overflow.
6281091	Message Store/MMP authentication fails when `option.dat` begins with an option rather than a comment.
6281129	msuserpurge time out on Message Stores with over 20,000 domains.
6282382	Incorrect page header for logout when user is connected via Multiplexor.

6284777   imexpire -m dumps core.

6286831   The unix_purge utility does not work.

6288155   ASock_NewBound backlog listen queue is too small.

6289485   The UpgradeMsg5toMsg6.pl script makes tailor file attributes lowercase.

6290014   The ability to backup a single message does not work.

6290691   Core dump from serverstart command line utility.

6294322   MoveUser does not delete empty folders in source mail host when -F option is used.

Known Issues and Limitations

This section contains a list of the known issues with Messaging Server 6 2005Q4. The following product areas are covered:

-
-
-
-

Installation, Upgrade, and Uninstallation

This section describes known issues with installing, upgrading, and uninstalling Messaging Server.

You must use the Java Enterprise System installer to install a cluster agent for Messaging Server. (6175770)

To install Messaging Server in a Sun Cluster environment, you should take the following steps. For a fuller explanation of this procedure, see the Sun Cluster installation example in "Chapter 3: Installation Scenarios" in the *Sun Java Enterprise System 6 2005Q4 Installation Guide.*

1. Run the Java Enterprise System installer and select to install the Sun Cluster and Sun Cluster Agents, then choose "Configure later" in the installer.

2. Configure the Sun Cluster environment. (For details, see the Sun Cluster documentation.)

3. Run the Java Enterprise System installer again and install Messaging Server (and other component products).

4. Configure Messaging Server. For details, see the *Messaging Server 6 2005Q4 Administration Guide*

This version of Messaging Server does not support a staged rolling upgrade with minimum downtime in a symmetric HA environment. (4991650)

With Messaging Server 5.2, you could install the Messaging Server more than once on the same machine and patch the different installations separately. This capability enabled support for minimal-downtime staged rolling upgrades. Messaging Server 6 2004Q2 does not provide this capability.

Messaging Server does not start under Sun™ Cluster 3.0 Update 3. (4947465)

Messaging Server cluster agents dump core due to a problem in Sun Cluster 3.0 Update 3. Use Sun Cluster 3.1 to solve this problem.

Messaging Server

This section describes known issues in the Messaging Server product.

In option.dat, lines starting with #, !, or ; symbols are treated as comment lines. (no bugid)

In option.dat files, Messaging Server treats lines beginning with pound sign (#), exclamation point (!), or semicolon (;) characters as comment lines— even if the preceding line has a trailing backslash (\), which means the line is being continued. Consequently, you must be careful when working with long options (particularly delivery options) containing these characters.

There is a workaround for delivery options in which a natural layout could lead to continuation lines starting with a # or !.

Workaround

In delivery options, Messaging Server ignores spaces following the commas that separate individual delivery option types.

For example, instead of:

```
DELIVERY_OPTIONS=\
#*mailbox=@$X.LMTP:$M$_+$2S%$\$2I@ims_daemon,\
#&members=*,\
*native=@$X.lmtpnative:$M,\
*unix=@$X.lmtpnative:$M,\
/hold=$L%$D@hold,\
*file=@$X.lmtpnative:+$F,\
&@members_offline=*,\
program=$M%$P@pipe-daemon,\
forward=**,\
*^!autoreply=$M+$D@bitbucket
```

You can workaround the problem by adding spaces as follows:

```
DELIVERY_OPTIONS=\
          #*mailbox=@$X.LMTP:$M$_+$2S%$\$2I@ims_daemon,\
          #&members=*,\
          #*native=@$X.lmtpnative:$M,\
          #*unix=@$X.lmtpnative:$M,\
          #/hold=$L%$D@hold,\
          #*file=@$X.lmtpnative:+$F,\
          #&@members_offline=*,\
          #program=$M%$P@pipe-daemon,\
          #forward=**,\
          #*^!autoreply=$M+$D@bitbucket
```

DOMAIN_UPLEVEL has been modified. (no bugid)

The DOMAIN_UPLEVEL default value has changed from 1 to 0.

The following characters cannot be used in the User ID: $ ~ = # * + % ! @ , { } ( ) / < \> ; : " " [ ] & ? (no bugid)

This constraint is enforced by MTA when operating in direct LDAP mode. Allowing these characters in the User ID can cause problems in the message store. If you want to change the list of characters forbidden by the MTA, set the following option by listing a comma-separated string of the characters' ASCII values:

```
LDAP_UID_INVALID_CHARS=32,33,34,35,36,37,38,40,41,
42,43,44,47,58,59,60,61,62,63,64,91,92,93,96,123,125,126
```

in the *msg_svr_base*/config/options.dat file. Note that you are strongly advised against relaxing this constraint.

Messaging Server fails to start when SNMP is enabled on Solaris 10. (6299309/6290934)

Workaround:

Direct snmpwalk to snmpdx instead of snmpd and go directly to port 16161 instead of port 161.

The imsimta refresh command generates confusing error messages. (6263066)

When the watcher process is enabled, imsimta refresh command generates confusing messages.

Workaround:

Run imsimta cnbuild to compile the configuration. Then, run start-msg. The imsimta refresh command will be deprecated in a future release.

The destinationspamfilter<>X optin channel keyword doesn't work. (6214039)

This keyword will be fixed in the upcoming Messaging Server patch release.

NSS errors in the imta logfile when SSL is not configured (6200993)

These are not harmful errors. They are caused by the system's inability to find SSL certificates in the SSL configuration.

Workaround

You can disable SSL in the MTA as well as the Message Store:

1. Edit `imta.cnf` file and remove the channel keyword `maytlsserver` from `tcp_local` and `tcp_intranet` channels.
2. Change the following `configutil` configuration parameters by setting `service.imap.sslusessl` to 'no' and `service.pop.sslusessl` to 'no'.
3. Recompile the MTA configuration with the `imsimta cnbuild` command.
4. Restart the services (`stop-msg`/`start-msg`). This will disable the support for SSL. Please make sure that, once you need to configure the server in SSL mode after having certificates, you need to revert back the changes you have made for it.

The configure program fails with non-standard organization DNs. (6194236)

The `configure` program does not construct intermediate RDNs between the organization DN and the User/Group suffix. This problem occurs both with Schema 1 and Schema 2.

Workaround:

Create the Organization DN prior to running the `configure` program (or at least to the DN above the Organization DN).

Cannot log in to Messaging Server from Internet Explorer 6.0 SP1 when using a proxy server. (5043607)

When using an HTTP proxy in Internet Explorer 6.0 SP1 on a PC as a client, you may experience difficulty in logging into Messaging Server. This problem is likely to be due to a non-standard compliant proxy server and cannot be fixed in Messaging Server.

Correct certmap.conf file content required for client certificate authentication. (4967344)

The `certmap.conf` configuration file specifies how to map a certificate to an entry in the LDAP directory. *By default*, the certificate subject (with two lines commented out) contains the *exact* DN of the LDAP directory entry.

However, a very common alternative behavior is to extract a particular attribute from the subject of the certificate and to search the directory for that attribute.

Workaround

To achieve this alternative behavior, change:

```
certmap default        default
#default:DNComps
#default:FilterComps   e, uid
```

to:

```
certmap default        default
default:DNComps
default:FilterComps    e
```

For a complete description of `certmap.conf`, please refer to the *Sun Java System Server Console 5.2 Server Management Guide*.

Will not see channel is stopped if jobc was recently started. (4965338)

In Messaging Server 5.2, if you issued a `#imsimta qm summarize` command you could view the channels that had been stopped with the `imsimta qm stop <chan>` command.

This behavior changed in 6.0. If you have not used a channel yet, you will not get the 0 lines and you will not see the stopped channels.

Manage Certificate wizard not creating Secure Sockets Layer (SSL) certificates under Messaging Server/Configuration. (4939810)

When you use the `Manage Certificate` option (Administration Server->Messaging Server->Configuration->Manage Certificate) to create an SSL certificate request, the Manage Certificate wizard should create a certificate and key database in the `Messaging_Server_Base/config` area and not in the `Admin_Server_Root/alias` area. In addition, the file prefixes should change from the `msg-config` value (`msg-config-cert7.db` and `msg-config-key3.db`) to NULL (`cert7.db` and `key3.db`).

Workaround

1. Copy the `msg-config-cert7.db` and `msg-config-key3.db` files from `Admin_Server_Base/alias` area to `Messaging_Server_Base/config` area as `cert7.db` and `key3.db` with proper permissions and ownerships.

2. Create soft links for the files under `Messaging_Server_Base/config` area with the proper permissions and ownerships used in the `Admin_Server_Base/alias` area.

imsimta start doesn't start disp and job controller. (4916996)

The `imsimta start`, `imsimta restart`, and `imsimta refresh` commands work only when the `watcher` process is running.

Note – New `start-msg` and `stop-msg` commands have replaced `imsimta start` and `imsimta stop`, which are deprecated and will be removed in a future release.

For more information about the `start-msg` and `stop-msg` commands, refer to the Messaging Server Administration Guide.

The XSTA, XADR commands are enabled by default. (4910371)

After installation, the SMTP extension commands XSTA and XADR are enabled by default, which may enable remote and local users to retrieve sensitive information.

Workaround

Add the following lines to the `imta/config/tcp_local_options` file (create this file if necessary) to disable the XSTA and XADR commands:

```
DISABLE_ADDRESS=1
DISABLE_CIRCUIT=1
DISABLE_STATUS=1
DISABLE_GENERAL=1
```

Searching for a home phone number does not work in the Personal Address Book. (4877800)

A Personal Address Book search based on "Phone #" searches for the work phone number attribute only. You cannot use "Phone #" to search for home or mobile phone numbers.

If indirect dependencies already exist between Sun Cluster resources, scds_hasp_check() may prevent HAStoragePlus from being supported with those existing configurations. (4827911)

This behavior is observed in Sun Cluster 3.0 Update 3.

Workaround

Create a weak dependency for the existing resources on the `HAStoragePlus` resource.

Messenger Express Multiplexor (MEM) does no have a configuration option to make use of the OS resolver or NSCD (4823042)

Workaround

Configure system as a caching-only DNS server in order to gain the benefit of caching MX and A records.

MoveUser utility does not work on a mailbox that contains over 1024 subfolders. (4737262)

It has been reported that the MoveUser utility stops when attempting to move a user's account that has a mailbox containing over 1024 subfolders.

Access control filters do not work if the short form domain in used in the /etc/hosts file. (4629001)

If there is a short form version of a domain name in the /etc/hosts file, there will be problems if you use a host name in an access control filter. When the IP address lookup returns a short form version of the domain name, the match will fail. Therefore, you should make sure you use a fully qualified domain name in the /etc/hosts file.

Connections aborted with TCP_IOC_ABORT_CONN in syslog. (4616287)

If a failover occurs for an HA configuration running Sun Cluster 3.1 on the Solaris 8 U7 or Solaris 9 Operating System and active TCP connections are aborted with the TCP_IOC_ABORT_CONN ioctl, messages such as the following are logged on the console and to system logs.

```
Jul 24 16:41:15 shemp ip: TCP_IOC_ABORT_CONN: local = 192.018.076.081:0,
remote = 000.000.000.000:0, start = -2, end = 6
Jul 24 16:41:15 shemp ip: TCP_IOC_ABORT_CONN: aborted 0 connection
```

These messages are informational only and should not show up in non-debug mode.

If you use Microsoft Outlook Express as your IMAP mail client, the read and unread flags might not work properly. This is a known problem with the Microsoft Outlook Express client. (4543930)

To enable the workaround, set the following configuration variable:

```
configutil -o local.imap.immediateflagupdate -v yes
```

If, while using the workaround, you experience performance issues, it is recommended that you discontinue using the workaround.

To take effect, changes made using configutil often require a restart of the affected server or servers. (4538366)

Administration Server access control host names are case-sensitive. (4541448)

When you configure "Host Names to allow" for the Administration Server, the access control list is case-sensitive. If the DNS server uses mixed-case host names in the IN-ADDR records (used when translating from an IP address to a domain name), the access control list must use the same case. For example, if your host is test.Sesta.Com, then the access control list must include *.Sesta.Com. Due to this problem, *.sesta.com will not suffice.

For example, if the user/group base suffix is o=isp, then the DN of the service administrator group is cn=Service Administrators,ou=groups,o=isp. To designate the account uid=ofanning, o=sesta.com, o=isp as a service administrator, you should add the account's DN to the group. In the following modify record, the designated user is added as a group member in the LDIF:

```
dn: cn=Service Administrators,ou=groups,o=isp
changetype: modify
add: uniquemember
uniquemember: uid=ofanning, o=sesta.com, o=isp
```

Furthermore, for users to have service administrator privileges, the attribute memberof must be added to the user entry and set to the Service Administrator Group, for example:

```
dn: uid=ofanning, o=sesta.com, o=isp
changetype: modify
add: memberof
memberof: cn=Service Administrators, ou=groups, o=isp
```

The MMP BadGuy configuration parameter, BGExcluded, does not work. (4538273)

Workaround

Deploy separate MMP servers to handle the clients that are excluded from bad guy rules. These servers must have BadGuy turned off.

LDAP search performance is slightly impacted by ACIs in Directory Server version 5.x. (4534356)

This issue affects many searches performed by Messaging Server. For faster searches, use directory manager credentials with the following commands to access the directory:

msg_svr_base/sbin/configutil -o local.ugldapbinddn -v ″*rootdn*″ -l

msg_svr_base/sbin/configutil -o local.ugldapbindcred -v ″*rootdn_passwd*″ -l

where *rootdn* and *rootdn_passwd* are the credentials of Directory Server's administrator.

If you enable Sun Cluster 3.0 Update 3, you may encounter a harmless error message. (4490877)

The following harmless error message appears in the Sun Cluster console and also in /var/adm/messages, when starting High Availability (HA) services or when switching HA services from one node to another:

```
Cluster.PMF.pmfd: Error opening procfs control file </proc/20700/ctl> for tag
<falcon,habanero_msg,4.svc>: No such file or directory
```

Localization

The following known issues are not necessarily localization-specific issues.

Administration Console is unable to start in German, Spanish, Simplified Chinese, and Traditional Chinese locales. (6270696).

Workaround

Create the symbolic link manually:

```
ln -s msg_svr_base/lib/jars/msgadmin62-2_06_ lang.jar AdminServer_ServerRoot
/java/jars/msgadmin62-2_06_lang.jar
```

On Solaris(SPARC and x86 platforms), you also need to create the correct version .jar files manually:

```
cp msg_svr_base/lib/jars/msgadmin62-2_03_ lang.jar
msg_svr_base/lib/jars/msgadmin62-2_06_ lang.jar
```

Accents are poorly encoded in Messenger Express messages on Internet Explorer browsers (6268609).

This problem is not seen in Communications Express messages.

Configurator input field is too narrow to view (6192725).

Some input fields in the Messaging Server configurator (invoked by *msg_svr_root*/sbin/configure) are too narrow to see on some pages in non-English locales on Linux platforms.

Configurator input field is too narrow to view (6192725).

Workaround

Widen the window size to make input field larger enough to view.

Documentation

This section describes known issues in the Communications Services and Messaging Server-specific documentation.

Correction to bug 5076486 regarding imadmin user purge with iPlanet Delegated Administrator 1.2 Patch 2 (6307201).

You are able to use the imadmin user purge command with iPlanet Delegated Administrator 1.2 Patch 2 and Messaging Server 6.x. This legacy version of Delegated Administrator should not be confused with the current Delegated Administrator product documented in Chapter Chapter 4. To use the legacy version of Delegated Administrator, you need to follow the procedures outlined in the iPlanet Delegated Administrator installation documentation on http://docs.sun.com along with the following modification:

Change the MsgSvrN-cgipath line in the iDA_install_directory/nda/classes/netscape/nda/servlet/resource.properties file to MsgSvr0—cgipath=msg-config/Tasks/operation and restart the Web Server.

If you are running on a cluster, be sure that the Administration Server is running on the same node as Messaging Server (See bug 6306637 for more information).

No documentation available on new shared defragment database feature. (5091281)

No documentation available on a new feature whereby MTA systems can share the defragment database and thereby defragmentation can be done on MTA systems instead of the store system.

Redistributable Files

The following redistributable files are provided with Messaging Server 6x:

- You can redistribute the following files in SOURCE (HTML and Javascript) or binary form (GIF files) within a licensed Messaging Server distribution only:
    - *msg_svr_base*/config/html (and subdirectories)
    - *msg_svr_base*/install/config/html (and subdirectories)

    You are not permitted to distribute these files by themselves.

    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/meauthsdk/expapi.h
    - *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/meauthsdk/

- *msg_svr_base*/examples/tpauthsdk/
- *msg_svr_base*/examples/mtasdk/

3

Sun Java System Instant Messaging 7 2005Q4 Release Notes

Version 7 2005Q4

These Release Notes contain important information available at the time of release of Sun Java™ System Instant Messaging 7 2005Q4. New features and enhancements, known issues and limitations, and other information are addressed here. Read this document before you begin using Instant Messaging 7 2005Q4.

To ensure the best deployment with Instant Messaging, you should download the latest patches for this version of the product from SunSolve Online (`http://sunsolve.sun.com/`).

The most up-to-date version of these release notes can be found at the Sun Java System documentation web site (`http://docs.sun.com/`). Check the web site prior to installing and setting up your software and then periodically thereafter to view the most up-to-date release notes and product documentation. These release notes contain the following sections:

Third-party URLs are referenced in this document and provide additional, related information.

Note – Sun is not responsible for the availability of third-party Web sites mentioned in this document. Sun does not endorse and is not responsible or liable for any content, advertising, products, or other materials that are available on or through such sites or resources. Sun will not be responsible or liable for any actual or alleged damage or loss caused by or in connection with the use of or reliance on any such content, goods, or services that are available on or through such sites or resources.

Release Notes Revision History

TABLE 3–1 Sun Java System Instant Messaging Revision History

Date	Description of Changes	Part Number
June 2005	Beta Release	819-2568
October 2005	Final Release	819–2568

About Instant Messaging 7 2005Q4

Sun Java System Instant Messaging delivers secure presence and extended real-time messaging, enabling communities of users to communicate and collaborate instantly and securely. It combines instant messaging capabilities with conferences, alerts, news, polling, and file transfer to create a rich collaborative environment. It leverages an existing community, managed using LDAP, Sun Java System Access Manager, or Sun Java System Portal Server.

What's New in This Release

This section includes the following topics:

- "Installation" on page 76
- "New Features" on page 76

Installation

The *Instant Messaging Installation Guide* has been discontinued. If you are installing Instant Messaging 7 2005Q4 for the first time, see the *Sun Java Enterprise System Installation Guide* for installation instructions. If you are upgrading from a previous version of Instant Messaging, see the *Sun Java Enterprise System Upgrade Guide*.

If you are using Access Manager with Instant Messaging you need to install the "Legacy (version 6.x style)" Access Manager using the Java Enterprise System installer. This version of Instant Messaging is not compatible with the "Realm (version 7.x style)" Access Manager.

New Features

This section describes the following new feature added to Instant Messaging in this release:

Failover Support Using Sun™ Cluster (Solaris Only)

This release of Instant Messaging provides failover support for Solaris, using Sun Cluster. This increases Instant Messaging's availability and providing monitoring of and recovery from software and hardware failures.

See "Configuring Instant Messaging for High Availability (Solaris Only)" on page 93 for more information about this feature.

Requirements

This section lists the requirements for installing Instant Messaging software. Before you install, ensure you have met the minimum hardware and operating system requirements. JRE 1.4 is supported by both server and client. In addition, check for any product patches before you install.

For the current list of required patches for Sun Java System Instant Messaging, go to SunSolve Online (http://sunsolve.sun.com) and select either "Patches" or "Patch Portal". Follow the Sun Java System Instant Messaging links. As system patch requirements change and patches to Java Enterprise System components become available, updates will be made available on SunSolve, initially in the form of recommended patch clusters.

The hardware and software requirements for this release of Instant Messaging software are described in the following sections:

- "Server Operating System Requirements" on page 77
- "Server Software Requirements" on page 78
- "Server Hardware Requirements" on page 78
- "Client Operating System Requirements" on page 78
- "Client Software Requirements" on page 78
- "Client Hardware Requirements" on page 79

Server Operating System Requirements

This release of Sun Java System Instant Messaging supports the following platforms:

- Solaris™ 8 (5.8) Operating System (Solaris OS) (SPARC® Platform Edition)
- Solaris 9 (5.9) OS (SPARC Platform Edition, x86 Platform Edition, and Opteron Platform Edition)
- Solaris 10 OS (SPARC Platform Edition, x86 Platform Edition, Opteron Platform Edition)
- Red Hat Enterprise Linux AS 2.1 and AS 3.0.

A list of recommended patches for Solaris can be found at SunSolve Online (http://sunsolve.sun.com).

Server Software Requirements

This version of Instant Messaging is compatible with the following versions of other server software:

- Sun Java System Access Manager 7 2005Q4
- Sun Java System Application Server Enterprise Edition 8 2005Q4
- Sun Java System Calendar Server 6 2005Q4
- Sun Java System Directory Server 5 2005Q4
- Sun Java System Messaging Server 6 2005Q4
- Sun Java System Portal Server 6 2005Q4
- Sun Java System Web Server 6.1 2005Q4 SP5

Server Hardware Requirements

The minimum hardware requirements for installing Instant Messaging are as follows:

- Approximately 300 MB of free disk space for the software.

- Approximately 5K of disk space for each user.

- At least 256 MB of RAM. The amount of RAM needed depends on the number of concurrent client connections, and whether the server and multiplexor are deployed on the same host.

Client Operating System Requirements

This release supports the following client platforms:

- Solaris 8, 9, and 10
- Microsoft Windows 98, ME, NT (SP 6a), 2000, XP
- Mac OS X, minimum 10.1
- Red Hat Linux, minimum 7.2

Client Software Requirements

On Windows, you can run Instant Messenger using the browser's Java Plug-in from the following browsers:

- Netscape™, minimum 4.79
- Mozilla™, minimum 1.2
- Internet Explorer, minimum 5.5

If the client machine has Java 1.4 or later version installed, there are no additional requirements to use either Java Plug-in or Java Web Start. Netscape Navigator v7 as well as the recent versions of the Mozilla browser include Java v1.4 or higher. Internet Explorer does not include the latest version of Java. If you experience problems using the client with Java 1.4, upgrade to 5.0. JDK™ 5.0 is included with Sun Java System Instant Messaging.

If the client machine does not have Java v1.4 or a higher version installed, you need to install Java Web Start. You can download and install Java v1.4. from the Java Technology website (`http://java.sun.com/j2se`).

You can download and install Java Web Start from the Java Web Start Technology website (`http://java.sun.com/products/javawebstart`).

HTML links can be exchanged over Instant Messenger and activated from the messenger by clicking them. When a link is activated, the messenger invokes a browser. Table 3–2 lists supported operating system and browser combinations.

TABLE 3–2 Supported Client OS and Browser Combinations for Instant Messaging

Operating System	Browser
Solaris	Netscape Communicator, minimum 4.79
Red Hat Linux 7.x	Netscape minimum 4.79
Red Hat Linux, minimum 8.0	Mozilla, minimum 1.2
Windows 98/ME/NT/2000/XP	No restrictions
Mac OS X	No restrictions

Client Hardware Requirements

Instant Messenger uses between 20 and 40 MB of memory on most platforms. You should estimate the memory requirement by including the requirements of other applications (including operating systems) used on the client machine. In most cases, at least 128 MB RAM is recommended in order to run Instant Messenger and other applications comfortably. This number becomes higher when using memory-intensive operating systems.

Installation Notes

If you choose to use Sun Java System Access Manager to store policies when configuring Instant Messaging, policies like the following are created:

- Ability to administer Instant Messaging and Presence Services
- Ability to change your own Instant Messaging settings
- Ability to manage Instant Messaging Conference Rooms

Compatibility Issues

Table 3–3 lists the known incompatibilities between Instant Messaging 7 2005Q4 and earlier versions.

TABLE 3–3 Instant Messaging 7 2005Q4 Compatibility Issues

Incompatibility	Impact	Comments
Instant Messaging 7 is incompatible with the 7.x (2005Q4) versions of Access Manager.	When installing Access Manager, select "Legacy Mode (version 6.x style)" instead of "Realm Mode (version 7.x style)" on the Java Enterprise System installer.	
Instant Messaging 7 is incompatible with the 2004Q2 versions of Portal Server and Messaging Server.	Upgrade Portal Server and Messaging Server when upgrading Instant Messaging 7.	
Due to a protocol change the Instant Messaging 7 2005Q4 server is not able to communicate with a server of an older version in federated deployments.	Instant Messaging federated deployment sites will need to upgrade all the servers. The existing deployments who do not wish to upgrade the server will have to explicitly set the property of collaboration session factory object to use the legacy protocol implementation.	You should coordinate the upgrade to limit the length of time during which servers will be unable to communicate with each other.
Client - Server Communication	Due to the protocol change the older versions of the client will not be able to communicate with the newer versions of the server and vice versa.	You will need to upgrade both the client and server at the same time.
Sun Java System Instant Messaging 6 2004Q2 is incompatible with shared components that ship with Sun Java Enterprise System 2005Q4.	You will need to upgrade all Instant Messaging components. See the Sun Java System Access Manager release notes for further information about this incompatibility.	
The Instant Messaging SDK implementation of the Legacy Instant Messaging/Presence protocol is now bundled.	By default, the Instant Messaging SDK APIs use the implementation based on the XMPP protocol. Applications will have to explicitly set the property of collaboration session factory object to use the Legacy protocol implementation.	
The SDK component includes additional jar files: The Instant Messaging SDK uses the JSO (JABBER Stream Objects) libraries.	In order to take advantage of XMPP, you will need to modify the classpath for older applications using the Instant Messaging SDK.	
The Instant Messaging 6 2004Q2 server is incompatible with the default behavior of the latest version of the SDK.	In order to use the 6 2004Q2 server with the current IM SDK you need to set the property of the collaboration session factory object to use the legacy protocol implementation. See Issue Number 6200472 under "Known Issues and Limitations" on page 88 for instructions.	

Documentation Updates

This section contains information about changes to and errors in the documentation in the following sections:

-
-
-

Documentation Set

The 2005Q4 release of Instant Messaging uses the following version of the Administration Guide:

Sun Java System Instant Messaging 7 2005Q1 Administration Guide

Administration Guide

This section lists the following changes to the *Sun Java System Instant Messaging 7 2005Q1 Administration Guide*.

-
-
-
-
-
-
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Starting, Stopping, and Refreshing Components in an HA Environment

Do not use the imadmin start, imadmin stop, or imadmin refresh commands in an HA environment with Sun Cluster. Instead, use the Sun Cluster administrative utilities.

Additional Post-Installation Step for Deployments with Access Manager

(Issue Number: 6189148) If you install Access Manager on a different host from the Instant Messaging server, you need to manually copy the imServices_* files from the Instant Messaging server host to the Access Manager host after you run the configure utility.

To do this:

1. Locate the imService_*.properties files on the Instant Messaging server host. By default, these files are located under /opt/SUNWiim/lib/ on Solaris and /opt/sun/im/lib/ on Linux.

2. Copy the files to the locale directory on the Access Manager host. By default this directory is `/opt/SUNWam/locale` on Solaris and `/opt/sun/identity/locale` on Linux.

Change to Default Value for *iim_agent.enable* **Parameter**

(Issue Number: 5102072) In this release, the default value of the `iim_agent.enable` parameter has been changed to false. This change is not reflected in the Administration Guide.

Configuring Calendar Pop-up Reminders for Instant Messenger

Step 1 of the procedure "To Configure Instant Messaging Server" is incorrect. No package named `SUNWiimag` exists. Skip this step.

Parameter Removed From `iim.conf`

The *iim_server.msg_archive.auto* configuration parameter is no longer supported although it is incorrectly included in the list of parameters in the Administration Guide.

Enabling the Instant Messenger Archive Control Component for Java Plug-in

(Issue Number: 6244099) The Administration Guide procedure for enabling the Instant Messenger Archive Control component for the Java Plug-in is incorrect. Use the procedure described in "Changes for HTML applet pages and `pluginLaunch.jsp` files" on page 82 instead.

Changes for HTML applet pages and `pluginLaunch.jsp` **files**

If you are using Java Plug-in to launch the Instant Messenger, perform the following steps to enable the Instant Messenger Archive Control feature in the Instant Messenger.

▼ To Enable Instant Messenger Archive Control for Java Plug-in

1 Go to the Instant Messenger documentation root directory and locate the `im.html` **and** `imssl.html` **files**

By default, the files are installed in the following location:

`/etc/opt/SUNWps/desktop/default/IMProvider`

2 Open the `.html` **files in a text editor.**

3 Add or edit the following line as required:
```
<PARAM NAME="archive_control" VALUE="true" />
<EMBED archive_control=true;/>
```

Storing Archived Messages in a Non-default Portal Server Search Database

An error occurs in the procedure. Specifically, the following directory:

/etc/opt/SUNWps/desktop/default/IMProvider/

should be:

/etc/opt/SUNWps/desktop/default_*locale*/IMProvider/

For example:

/etc/opt/SUNWps/desktop/default_ja/IMProvider/

Configuring the Server to Allow New User Registration

The new user registration feature is not completely described in the Administration Guide. In addition to customizing Instant Messenger, you also need to configure the server to allow new user registration.

To do this, you need to add four configuration parameters to iim.conf then refresh the server configuration. Table 3–4 describes the configuration parameters.

TABLE 3–4 New User Registration Server Configuration Parameters

Parameter	Description
iim.register.enable	If TRUE, the server allows new Instant Messaging end users to register themselves (add themselves to the directory) using Instant Messenger.
iim_ldap.register.enable	If TRUE, the server allows new Instant Messaging end users to register themselves (add themselves to the directory) using Instant Messenger.
iim_ldap.register.basedn	If self-registration is enabled, the value of this parameter is the DN of the location in the LDAP directory in which person entries are stored. For example: "ou=people,dc=siroe,dc=com"
iim_ldap.register.domain	The domain to which new users will be added. For example: directory.siroe.com

▼ To Configure the Server to Allow New User Registration

1 **Open** iim.conf **in a text editor.**

2 **Add the configuration parameters and appropriate values as described in Table 3–4.**

3 **Save and close** iim.conf**.**

4 **Refresh the server configuration using the** imadmin **command-line utility.**

   imadmin refresh server

> ⚠ **Caution –** Do not use the imadmin start, imadmin stop , or imadmin refresh commands in an
> HA environment with Sun Cluster. Instead, use the Sun Cluster administrative utilities.

Additional Logging Parameter for XMPP Traffic

(Issue Number: 5070998) An additional undocumented logging parameter has been added to
this release to collect XMPP messages in a separate log file.

▼ To Configure the Server to Create the XMPP Message Log

1 **Open** iim.conf**.**

   By default, the iim.conf file is installed in the configuration directory as follows:

   - On Solaris:

     /etc/opt/SUNWiim/default/config/iim.conf

   - On Linux:

     /etc/opt/sun/im/default/config/iim.conf

   If you created multiple instances of Instant Messaging, the name of the /default directory will
   vary depending on the instance.

2 **Enable the following line by removing the comment characters:**

   iim.log4j.config=log4j.conf

   If the line does not exist, add it.

3 **Save and close** iim.conf**.**

4 **Create a file named** log4j.conf **and save it to the configuration directory.**

5 Add the following to `log4j.conf`**:**

```
log4j.logger.xmppd=INFO, A1

# DEFAULT TO RollingFileAppender
log4j.appender.A1=org.apache.log4j.RollingFileAppender
log4j.appender.A1.file=${logdir}/xmppd.log
log4j.appender.A1.append=true
log4j.appender.A1.maxBackupIndex=7
log4j.appender.A1.maxFileSize=5mb
# More example appenders..
# Straight to console..
# log4j.appender.A1=org.apache.log4j.ConsoleAppender
# log4j.appender.A1.ImmediateFlush=true
# Rollover at midnight..
# log4j.appender.A1=org.apache.log4j.DailyRollingFileAppender
# log4j.appender.A1.DatePattern='.'yyyy-MM-dd
# log4j.appender.A1.file=${logdir}/xmppd.log
# log4j.appender.A1.ImmediateFlush=true
# log4j.appender.A1.append=true
# Send to SMTP..
# log4j.appender.A1=org.apache.log4j.SMTPAppender

# PATTERN LAYOUT AND OPTIONS

# DEFAULT TO PatternLayout
log4j.appender.A1.layout=org.apache.log4j.PatternLayout
# For full dates..
log4j.appender.A1.layout.ConversionPattern=[%d{DATE}] %-5p %c [%t] %m%n
# IM traditional output format..
#log4j.appender.A1.layout.ConversionPattern=%d{HH:mm:ss,SSS} %-5p %c [%t] %m%n
# More example layouts
# XMLLayout for chainsaw consumption
# log4j.appender.A1.layout=org.apache.log4j.xml.XMLLayout
# TTCCLayout for NDC information
# log4j.appender.A1.layout=org.apache.log4j.xml.TTCCLayout
# log4j.appender.A1.layout.DateFormat=ISO8601
# log4j.appender.A1.layout.TimeZoneID=GMT-8:00
# log4j.appender.A1.layout.CategoryPrefixing=false
# log4j.appender.A1.layout.ThreadPrinting=false
# log4j.appender.A1.layout.ContextPrinting=false

# Now we list logger/appender/layout for the other default loggers, but
# only the defaults..
log4j.logger.iim_wd=ERROR, A2
log4j.appender.A2=org.apache.log4j.RollingFileAppender
log4j.appender.A2.file=${logdir}/iim_wd.log
log4j.appender.A2.append=true
log4j.appender.A2.maxBackupIndex=7
```

```
log4j.appender.A2.maxFileSize=5mb
log4j.appender.A2.layout=org.apache.log4j.PatternLayout
log4j.appender.A2.layout.ConversionPattern=[%d{DATE}] %-5p %c [%t] %m%n

# For separate xmpp traffic log, disabled by default.
log4j.logger.xmppd.xfer=DEBUG, A3
#log4j.appender.A3=org.apache.log4j.varia.NullAppender
# Select next block instead of previous line to enable separate transfer log
log4j.appender.A3=org.apache.log4j.RollingFileAppender
# log4j.appender.A3.file=${logdir}/xfer.log
# log4j.appender.A3.append=true
# log4j.appender.A3.maxBackupIndex=7
# log4j.appender.A3.maxFileSize=5mb
# log4j.appender.A3.layout=org.apache.log4j.PatternLayout
# # Note, simpler default output than above 3 loggers:
# log4j.appender.A3.layout.ConversionPattern=[%d{DATE}] %-5p %c [%t] %m%n

log4j.logger.agent-calendar=ERROR, A4
log4j.appender.A4=org.apache.log4j.RollingFileAppender
log4j.appender.A4.file=${logdir}/agent-calendar.log
log4j.appender.A4.append=true
log4j.appender.A4.maxBackupIndex=7
log4j.appender.A4.maxFileSize=5mb
log4j.appender.A4.layout=org.apache.log4j.PatternLayout
log4j.appender.A4.layout.ConversionPattern=[%d{DATE}] %-5p %c [%t] %m%n

log4j.logger.net.outer_planes.jso.BasicStream=OFF, A5
log4j.appender.A5=org.apache.log4j.RollingFileAppender
log4j.appender.A5.file=${logdir}/jso.log
log4j.appender.A5.append=true
log4j.appender.A5.maxBackupIndex=7
log4j.appender.A5.maxFileSize=5mb
log4j.appender.A5.layout=org.apache.log4j.PatternLayout
log4j.appender.A5.layout.ConversionPattern=[%d{DATE}] %-5p %c [%t] %m%n
```

6 **Save and close** log4j.conf.

7 **Refresh the server:**

```
imadmin refresh server
```

> **Caution** – Do not use the imadmin start, imadmin stop , or imadmin refresh commands in an HA environment with Sun Cluster. Instead, use the Sun Cluster administrative utilities.

▼ To Disable Separate XMPP Log File Creation

Disabling separate log file creation does not stop XMPP messages from being written to the server log.

1 Open `log4j.conf.`

2 Comment out the following line:

```
log4j.logger.xmppd.xfer=DEBUG, A3
```

High Availability for Instant Messaging

Documentation for this feature is available in "Configuring Instant Messaging for High Availability (Solaris Only)" on page 93.

Online Help

The following information is not described in either the product online help or the quick reference.

Start Screen

The Start Screen launches Instant Messenger. If you are using Java Web Start, press the Start button in the middle of the screen. If you are using Java Plug-in (for Windows users only), click the Java Plug-in button at the top of the screen. The Online Help and Quick Reference buttons display end user product help.

Problems Fixed in This Release

Table 3–5 describes problems fixed in this Instant Messaging 7 2005Q4 release.

TABLE 3–5 Fixed Issues in Instant Messaging 7 2005Q4

Issue Number	Description
5076386	When an end user deletes an active privacy profile, the server still continues to apply the deleted active privacy profile even though Instant Messenger shows the privacy profile to be deleted.
	Workaround: When an end user deletes an active privacy profile Instant Messenger now automatically activates the "Visible to All" privacy profile. End users need to make a different privacy list active and then reactivate the "Visible to all" profile.
6189338	Previously, for locales other than English, for example Japanese, you couldn't change access rights for a conference room to READ. Instead, when you saved, the access right was changed to NONE. This no longer occurs.
6190366	When you add a user to your contact list, the Conference tab no longer gains the focus in the Instant Messenger client's main window.
6198525, 6207036	In Conference and News Channels, you need to set default access for users before granting special access.

TABLE 3–5 Fixed Issues in Instant Messaging 7 2005Q4   *(Continued)*

Issue Number	Description
6206530	Previously, if you were using the French localized version of the resource files, you needed to add an escape character to the apostrophes in the resource files. You no longer need to do this.
6211624	While running the `configure` utility in Japanese, some of the screen element titles were truncated.
6212843	Email alerts that contain multibyte characters are now readable.
6215222	Changes made to a user entry in the LDAP directory are not reflected in Instant Messaging until the cache is revalidated. By default this happens every 10 minutes or every time the Instant Messaging server is started. Workaround: Restart the Instant Messaging server or set the cache validity interval to a more appropriate number. To change this interval, add the *iim.policy.cache.validity* parameter and its desired value to `iim.conf`.

Known Issues and Limitations

This section contains a list of the more important known issues at the time of the Instant Messaging 7 2005Q4 release.

Patch updates are issued on a frequent basis. If you encounter a problem while installing or using Instant Messaging, contact Sun Support to enquire about the availability of a fix for this problem. Alternatively, you can consult SunSolve Online (`http://sunsolve.sun.com/`) for patches.

Table 3–6 lists the known issues and limitations.

TABLE 3–6 Known Issues and Limitations

ID	Summary
4609599	In order to use customize the font of multibyte characters, you need to type in your text first, then highlight the text and apply the font customization.
4632723	Idle detection is not implemented on Mac OS. If a user leaves an Instant Messenger session, the absence is not automatically detected. Workaround: Mac OS users need to explicitly set their presence status as AWAY, prior to leaving.
4806791	Alerts with embedded images are not rendered faithfully. When a recipient receives an alert with embedded images, the images are not centered and font information present in the accompanying text is lost.

TABLE 3–6 Known Issues and Limitations   *(Continued)*

ID	Summary
4841572	Custom statuses cannot be removed.
	Workaround:
	The least used statuses are eventually removed. To remove one immediately, add five new customized statuses and the oldest one will disappear.
4846542	On MAC OS, trying to print from the Java Web Start client hangs Instant Messenger.
	Workaround:
	Copy the message and paste it in some other application, then print.
4852882	If the Calendar server alarm type is set to `text/xml`, that is:
	`caldb.serveralarms.contenttype = "text/xml"`
	The Reminder field in the Instant Messenger Task Due Reminder alert window is blank.
	Workaround:
	Set this field to `"text/calendar"`.
4858320	Confusing behavior occurs when inviting a user to a conference when that user does not have the correct permissions to join the conference. It appears as if you invited the user, when in fact, the user never received the invitation.
4860906	Can't create `conf_room/news` using certain gb18030 characters
	Since conference and news ACL file names are written using names fed from Instant Messenger, there is a problem creating ACLs when the names contain Tibetan or Arabic characters.
4871150	Printing errors occur with Instant Messenger in some locales.
	Workaround: Cut and paste the text you want to print to another application that can print.
4922347	Read-only users and fully privileged users within a chat room are indistinguishable. This might be confusing if a user attempts to send a message to a user with read-only privileges. The read-only user will not receive the message.
4929247	Users cannot send messages when a moderator has denied presence access for the user.

TABLE 3–6 Known Issues and Limitations　　*(Continued)*

ID	Summary
4929295	When multiple Instant Messaging policies are applied to a user, the policies can contradict one another. For example, when the "Regular" and "Conference Room Administrator" policies are attributed to a user, the user is unable to manage conference rooms. Workaround: Edit the regular user policy by clearing the "Ability to manage conference rooms" checkbox. This will ensure that the two policies do not conflict.
4944558	The Web Poll tab on the Alert window doesn't display some web pages correctly. This is a limitation of the Java HTML renderer. Workaround: Send URLs using Message Creation tab instead of the Web Poll tab.
4960933	Windows task bar menu labels are not rendered properly in some locales with multibyte characters. The menu functionality is not affected.
4978293	In zh_HK locales, Instant Messenger displays English. Workaround: In order to see traditional Chinese (zh_TW) messages on a machine that uses a zh_HK locale for login, you need to create a symbolic link to zh_TW.

5004449, 5084745	On Linux, warning messages might be displayed on screen when you run the configure utility. Typically, these warning messages begin with the following text:
	
	`WARNING: Cannot parse rpm files`
	`by running "/bin/rpm -qp --queryformat`
	
	Configure should still work as expected, as no error really occurs.

5042884	A problem with the archive provider enables end users to view archived data in search results.
5050973	News message properties are not sent with news messages. As a result, the following client capabilities might be affected: ■ Subject is not displayed along with the news message. ■ Cannot change lines in the news message so that everything appears collapsed. ■ The formatting of the news messages might be lost. ■ Unable to send attachments. ■ Unable to send images.
5051299	In server-to-server communications, news channel access rights might not work for end users. For example, a user whose access is set to NONE is able to have READ access.
5051369	In server-to-server communications, an end user subscribed to a news channel on a different server is unable to chat with the message creator of the news channel.

TABLE 3–6 Known Issues and Limitations   *(Continued)*

ID	Summary
5051371	In server-to-server communications, access rights for end users, such as NONE, READ, and WRITE, do not function properly in conference rooms.
5065241, 5080586	Users are given the option to change presence status while Instant Messenger is not connected to the server. Any modifications made to status while disconnected do not take effect.
5071025	If you create a new contact group in Instant Messenger but do not assign any contacts to the group, then logout and log back in, the contact group no longer appears in the contact list. Workaround: Add a contact to the contact group before logging out of Instant Messenger.
5082579	User status remains online even after the network connection is lost.
5087303	The Instant Messenger Login dialog box does not necessarily display the server the end user last successfully logged into. This behavior is inconsistent with the behavior for username, where the last successfully used username is displayed in the Login dialog box. Workaround: 1. On the Login dialog box, click More Detail. 2. Select the appropriate server from the Server drop-down list.
5104840	Changes users make on the Settings dialog box Privacy tab are saved as the changes are made, not when the user clicks OK. For this reason, if you click Cancel after making changes on this tab, the changes are saved anyway.
6186465	An additional carriage return might be added when cutting and pasting text in Instant Messenger.
6195180	The title and sender might not be displayed in the News window.
6200472	If you intend to run the Sun Java System Instant Messaging 6 2004Q2 server with the SDK from this release, you will need to explicitly set the property of the collaboration session factory object to use the legacy protocol implementation. The SDK for this release supports the legacy protocol implementation; however, the default is to use the new protocol implementation (XMPP). To use the legacy protocol implementation, you need to use the following constructor to create a CollaborationSessionFactory in the API: `CollaborationSessionFactory factory=new CollaborationSessionFactory("com.iplanet.im.client.api.iIMSessionFactory");`
6203957	On Linux, if the openLDAP client RPM is not installed, imServiceConfigure might fail when trying to run ldapmodify.

TABLE 3–6 Known Issues and Limitations   *(Continued)*

ID	Summary
6205657	If you change access permissions for users already in a conference room, the changes do not take effect until you relaunch the conference room window.
	Workaround: Close and relaunch the conference room window to update access permissions.
6213223, 6217766	If you post a message to a news channel then log out without viewing the message you just posted, the message appears to be lost. The messages are there, just not visible.
	Workaround: View any messages you post to news channels before logging out of Instant Messenger, or unsubscribe and resubscribe to the news channel.
6213365	Instant Messaging service fails to start after upgrade.
	Workaround: Remove `SUNWiimdv` package before upgrading.
6217627	On a machine with less than the required memory, the configure utility might complete configuration of Instant Messaging, but also throw exceptions.
	Workaround: Ensure that your system meets the minimum memory requirements before installing or running the `configure` utility. If you still encounter this problem, run the following:
	Solaris: `/opt/SUNWiim/lib/imServiceConfigure`
	Linux: `/opt/sun/im/lib/imServiceConfigure`
6244099	The Administration Guide contains confusing information for enabling the Instant Messenger Archive Control component for the Java Plug-in. This component is not present in this release.
6271708	Problems using SSL in a server-to-server environment.
	Workaround: Download the product patch from SunSolve Online (`http://sunsolve.sun.com/`).
6282401	Sun Java System Instant Messaging 6 2004Q2 is not compatible with the shared components that ship with this release.
	Workaround: If you must upgrade the shared components, then upgrade all Instant Messaging components to the current version.
6282887	On Windows 2000, in localized versions of Instant Messenger, the first item in the folder pop-up menu does not display correctly. The text should say "Collapse."
	Workaround: On client systems, use JDK 1.4.2 instead of JDK 1.5 (5.0).
6286776, 6288533	Problems running Instant Messenger in a server-to-server environment.
	Workaround: Download the product patch from SunSolve Online (`http://sunsolve.sun.com/`).

TABLE 3–6 Known Issues and Limitations   *(Continued)*

ID	Summary
6291159	Instant Messenger disconnects from the server after a time period different from the value set for the *iim_server.clienttimeout* parameter in `iim.conf`.
	Workaround: Specify the following system property using the `-D` option:
	`com.sun.im.service.xmpp.session.keepaliveinterval`
	Set the value to the number of seconds after which you want Instant Messenger to start sending bytes to the server. These bytes are only used to prevent the time out and subsequent disconnect.
6302273	In deployments with Access Manager, if Access Manager times out, Instant Messenger disconnects and cannot reconnect until the Instant Messaging server is restarted.
	Workaround: Download the product patch from SunSolve Online (`http://sunsolve.sun.com/`).
6302312	If Instant Messenger becomes disconnected from the server, it may not function properly when it reconnects. For example, presence information may not be displayed correctly, and conference rooms will not work.
	Workaround: To join a conference room after a disconnect occurs, click the chat icon instead of double-clicking the conference on the Conferences tab. In addition, you can download the product patch from SunSolve Online (`http://sunsolve.sun.com/`).

Configuring Instant Messaging for High Availability (Solaris Only)

Configuring Instant Messaging for high availability (HA) provides for monitoring of and recovery from software and hardware failures. The high availability feature is implemented as a failover data service, not a scalable service, and is supported on Solaris only. This section describes an Instant MessagingHA configuration using Sun Cluster software. See "HA Related Documentation" on page 107 for more information about data services provided by Sun Cluster.

This describes how to configure an Instant Messaging HA service, in the following sections:

- "Instant Messaging HA Overview" on page 94
- "Setting Up HA for Instant Messaging" on page 96
- "Stopping, Starting, and Restarting the Instant Messaging HA Service" on page 104
- "Managing the HA RTR File for Instant Messaging" on page 104
- "Removing HA for Instant Messaging" on page 106
- "HA Related Documentation" on page 107

Instant Messaging HA Overview

You use Sun Cluster with Instant Messaging to create a highly available deployment. This section provides information about HA requirements, terms used in examples in this chapter, and permissions you need to configure HA in the following sections:

Before you begin, you should be familiar with general HA concepts, and Sun Cluster software in particular. For more information, see "HA Related Documentation" on page 107.

HA Configuration Software Requirements

An Instant Messaging HA configuration requires the software shown in Table 3–7.

TABLE 3–7 Software Requirements for Instant Messaging HA Configuration

Software and Version	Notes and Patches
Solaris 9 OS SPARC Platform only	All versions of Solaris 9 OS are supported. Solaris 9 OS requires Sun Cluster 3.0 U3 or later. Solaris 9 OS includes Solaris Logical Volume Manager (LVM).
Solaris 8 OS SPARC Platform only	Solaris 8 Maintenance Update 7 (MU7) OS or later plus required patches.
Sun Cluster 3.1	Sun Cluster software must be installed and configured on all nodes in the cluster. To install Sun Cluster 3.1, use the Java Enterprise System installer by following the installation process in the *Sun Java Enterprise System 2005Q4 Installation Guide*. After you install the Sun Cluster software, you must configure the cluster. For information, refer to the *Sun Cluster System Administration Guide for Solaris OS*. For related documentation, see "HA Related Documentation" on page 107. **Sun Cluster Patches** For Solaris 8 and 9, you can download patches from SunSolve Online.
Solstice DiskSuite 4.x	Solstice DiskSuite is available for Solaris 8 OS only. Solstice DiskSuite is not required for Solaris 9 OS, which includes the Logical Volume Manager (LVM).
Veritas Volume Manager (VxVM) 3.x	Solaris 8 OS requires version 3.2 or later plus required patches. Solaris 9 OS requires version 3.5 or later plus required patches.

TABLE 3–7 Software Requirements for Instant Messaging HA Configuration   *(Continued)*

Software and Version	Notes and Patches
Veritas File System (VxFS) 3.x	Solaris 8 OS requires version 3.4 or later plus required patches.
	Solaris 9 OS requires version 3.5 or later plus required patches.
	HAStoragePlus requires patch 110435-08 or later.

HA Configuration Permission Requirements

To install and configure an Instant Messaging HA configuration, log in as or become superuser
(`root`) and specify a console or window for viewing messages sent to `/dev/console`.

HA Configuration Terms and Checklist

Table 3–8 describes the variable terms used in the examples in this chapter for configuration
examples. In addition, you will need to gather the information before you configure HA for
Instant Messaging. You will be prompted for this information during configuration. Use this
checklist in conjunction with the checklist in Chapter 1 of the *Sun Java System Instant
Messaging 7 2005Q1 Administration Guide*.

TABLE 3–8 HA Configuration Checklist

Name in Example	Description	Your Value
/global/im	Global file system mount point used with a cluster file system or HAStoragePlus.	
/local/im	Local directory to use as a mount point for the shared disk if you are using HAStoragePlus.	
im_logical_host	Logical host name	
im_logical_host_ip	Logical host IP numeric address	
im_node_1	Node 1 FQDN	
im_node_2	Node 2 FQDN	
im_resource_group	Instant Messaging resource group.	
im_resource_group_store	Instant Messaging storage resource.	
im_resource	Instant Messaging resource.	

TABLE 3–8 HA Configuration Checklist   *(Continued)*

Name in Example	Description	Your Value
im_runtime_base (Includes *im_runtime_base*/db and *im_runtime_base*/logs)	For the location of the runtime directory (which includes the database and log subdirectories), select global, shared partitions. For example: ■ Instant Messaging runtime directory (*im_runtime_base*) */global/im*/var/opt/SUNWiim/default on Solaris. ■ Database subdirectory (*im_db_base*): */global/im*/var/opt/SUNWiim/default/db ■ Log subdirectory: */global/ im*/var/opt/SUNWiim/default/logs See the *Sun Java System Instant Messaging 7 2005Q1 Administration Guide* for more information about the runtime directory and the database and logs subdirectories.	

Setting Up HA for Instant Messaging

The following is a high-level list of the steps necessary to install and configure an Instant Messaging HA configuration with two nodes:

- "Choosing a Local or Shared Disk for Configuration Files and Binaries" on page 96
- "Preparing Each Node in the Cluster" on page 97
- "Selecting the Installation Directory (*im_svr_base*)" on page 97
- "Installing Instant Messaging Products and Packages" on page 98
- "Configuring the HA Environment" on page 98
- "Configuring the Logical Host" on page 102
- "Registering and Activating the Storage Resource" on page 102
- "Registering the Resource Type and Creating a Resource" on page 103
- "Verifying the Instant Messaging HA Configuration" on page 103
- "Troubleshooting the Instant Messaging HA Configuration" on page 104

Choosing a Local or Shared Disk for Configuration Files and Binaries

Before you begin, you need to decide which of the following deployments best suits your needs. In both environments, shared components are installed locally on every node in the cluster. In addition, in both environments, runtime files are installed on a shared disk.

- **Using a local disk for configuration files and binaries.** The advantage to this setup is that upgrading Instant Messaging requires minimal downtime because you can upgrade on nodes where Instant Messaging is offline. The disadvantage is that you need to ensure that the same configuration and version of Instant Messaging exists on all nodes in the cluster.

  In addition, if you choose this option, you need to determine whether you will be using HAStoragePlus to mount a file system from a shared disk on each node when Instant Messaging data services are brought online, or if you will be using the cluster file system for global runtime files.

- **Using a shared disk for configuration files and binaries.** This setup is easier to administer, but you need to bring Instant Messaging down on all nodes in the cluster before upgrading.

Preparing Each Node in the Cluster

On each node in the cluster, you need to create the Instant Messaging runtime user and group under which the components will run. The UID and GID numbers must be the same on all nodes in the cluster.

- **Runtime User ID.** The user name under which Instant Messaging server runs. This name should **not** be root. The default is inetuser.

- **Runtime Group ID.** The group under which Instant Messaging server runs. The default is inetgroup.

  Although the configure utility can create these names for you, you can create them before you run the configuration program, as part of the preparation of each node as described in this chapter. In addition, depending on whether you are using a local or shared disk, you may not run configure on a particular node and must manually create the runtime user and group ID.

  The runtime user and group ID names must be in the following files:

- inetuser, or the name you select, in /etc/passwd on all nodes in the cluster

- inetgroup, or the name you select, in /etc/group on all nodes in the cluster

See the *Sun Java System Instant Messaging 7 2005Q1 Administration Guide* for instructions. Refer to your operating system documentation for detailed information about users and groups.

Selecting the Installation Directory (*im_svr_base*)

For Instant Messaging, the Java Enterprise System installer uses /opt/SUNWiim on Solaris as the default installation directory (*im_svr_base*). However, if you are using a shared disk for configuration files and binaries, you must specify a global (shared) installation directory. For example: */global*/*im*/opt/SUNWiim.

If you are using a local disk, you can install Instant Messaging to the default directory. However, you should Install Instant Messaging in the same directory on each machine in the node.

Installing Instant Messaging Products and Packages

You install products and packages using the Sun Java Enterprise System installer program. For more information about the installer, refer to the *Sun Java Enterprise System 2005Q4 Installation Guide*.

Table 3–9 lists the products or packages required for a multiple node cluster configuration.

TABLE 3–9 Products and Packages Required for a Multiple Node Instant Messaging HA Configuration

Product or Package	Node 1	Node *n*
Sun Cluster Software	Yes	Yes
Instant Messaging 7 2005Q4 Server	Yes	Yes, if you are using a local disk for configuration files and binaries. No, if you are using a shared disk for configuration files and binaries.
Sun Cluster Agent for Instant Messaging (SUNWiimsc)	Yes	Yes, if you are using a local disk for configuration files and binaries. No, if you are using a shared disk for configuration files and binaries.
Shared components If you are using HAStoragePlus, you must also install SUNWscu	Yes	Yes

Configuring the HA Environment

The steps you need to perform vary depending on whether or not you are using a local or shared disk for configuration files and binaries.

If you are using a local disk for configuration files and binaries, follow the steps in the following two procedures:

- "To Configure HA on Node 1 Using a Local Disk for Configuration Files and Binaries" on page 99
- "To Configure HA on Node *n* Using a Local Disk for Configuration Files and Binaries" on page 100

If you are using a shared disk for configuration files and binaries, follow the steps in the following two procedures:

- "To Configure HA on Node 1 Using a Shared Disk for Configuration Files and Binaries" on page 100
- "To Configure HA on Node *n* Using a Shared Disk for Configuration Files and Binaries" on page 101

▼ To Configure HA on Node 1 Using a Local Disk for Configuration Files and Binaries

Before You Begin Fill out the checklists in Chapter 1 of the *Sun Java System Instant Messaging 7 2005Q1 Administration Guide* and Table 3–8 and have your answers readily available.

1. **Install products and packages using the Java Enterprise System installer.**

   See "Selecting the Installation Directory (*im_svr_base*)" on page 97 for specific instructions on choosing an installation directory.

   See Table 3–9 for a list of required products and packages for HA. Refer to the *Sun Java Enterprise System 2005Q4 Installation Guide* for specific instructions.

2. **If you are using HAStoragePlus for the runtime files, mount a shared disk to a local directory, otherwise skip to Step 3.**

   For example:

   a. **Create the mount point (/*local*/ *im*/*im_runtime_base*/) if it does not already exist.**

      When prompted during configuration in Step 4 you will specify this directory (/*local* /*im*/*im_runtime_base*/) as the Instant Messaging Server Runtime Files Directory.

   b. **Use the** mount **command to mount the disk on** /*local*/*im*/*im_runtime_base***.**

3. **Run the** configure **utility.**

   See the *Sun Java System Instant Messaging 7 2005Q1 Administration Guide* for instructions.

4. **When prompted for the Instant Messaging Server Runtime Files Directory, enter one of the following:**

   - If you are using an HAStoragePlus for the runtime files, enter /*local*/*im*/*im_runtime_base* /.
   - If you are using a cluster file system for the runtime files, enter /*global*/*im*/*im_runtime_base* /. Where /*global*/ *im* is the global directory in the cluster file system.

5. **When prompted for the Instant Messaging host name, enter the logical host.**

   Choose to accept the logical host even if the configure utility cannot connect to the specified host. The logical host resource may be offline at the time you run the configure utility.

6. **Do not choose to start Instant Messaging after configuration or on system startup.**

   In an HA configuration, the Instant Messaging service also requires the logical host to be online for Instant Messaging to work properly.

7. **If you are using HAStoragePlus for runtime files, unmount the shared disk.**

▼ To Configure HA on Node n Using a Local Disk for Configuration Files and Binaries

Before You Begin Ensure that you have completed HA configuration on Node 1 as described in the previous procedure ("To Configure HA on Node 1 Using a Local Disk for Configuration Files and Binaries" on page 99).

Have your answers for the checklists in Chapter 1 of the *Sun Java System Instant Messaging 7 2005Q1 Administration Guide* and Table 3–8 readily available.

1 **Install products and packages using the Java Enterprise System installer.**

Choose the same path you used when you installed Instant Messaging on node 1 for each subsequent node in the cluster. See "Selecting the Installation Directory (*im_svr_base*)" on page 97 for specific instructions.

See Table 3–9 for a list of required products and packages for HA. Refer to the *Sun Java Enterprise System 2005Q4 Installation Guide* for specific instructions.

2 **Run the** `configure` **utility.**

See Chapter 1 of the *Sun Java System Instant Messaging 7 2005Q1 Administration Guide* for instructions.

3 **When prompted for the Instant Messaging Server Runtime Files Directory, enter the same value that you provided for Node 1.**

4 **When prompted for the Instant Messaging host name, enter the same logical host you provided for Node 1.**

Choose to accept the logical host even if the `configure` utility cannot connect to the specified host. The logical host resource may be offline at the time you run the `configure` utility.

5 **When prompted for the user and group, enter the same value that you provided for Node 1.**

6 **Do not choose to start Instant Messaging after configuration or on system startup.**

In an HA configuration, the Instant Messaging service also requires the logical host to be online for Instant Messaging to work properly.

▼ To Configure HA on Node 1 Using a Shared Disk for Configuration Files and Binaries

Before You Begin Fill out the checklists in Chapter 1 of the *Sun Java System Instant Messaging 7 2005Q1 Administration Guide* and Table 3–8 and have your answers readily available.

You must use a cluster file system if you are using a shared disk for configuration files and binaries, not HAStoragePlus.

1 Install products and packages in a directory in the cluster file system using the Java Enterprise System installer.

When you install Instant Messaging, you must specify a directory other than the default directory. See "Selecting the Installation Directory (*im_svr_base*)" on page 97 for specific instructions.

See Table 3–9 for a list of required products and packages for HA. Refer to the *Sun Java Enterprise System 2005Q4 Installation Guide* for specific instructions.

2 Create a soft link from /etc/opt/SUNWiim **that points to** /*global*/*im*/etc/opt/SUNWiim**.**

3 Run the configure **utility from the global directory where you installed Instant Messaging (**/*global*/ *im*/*im_svr_base*/configure **).**

See Chapter 1 of the *Sun Java System Instant Messaging 7 2005Q1 Administration Guide* for instructions.

4 When prompted for the Instant Messaging Server Runtime Files Directory, enter the value for /*global*/*im*/ *im_runtime_base***.**

5 When prompted for the Instant Messaging host name, enter the logical host.

Choose to accept the logical host even if the configure utility cannot connect to the specified host. The logical host resource may be offline at the time you run the configure utility.

6 Do not choose to start Instant Messaging after configuration or on system startup.

In an HA configuration, the Instant Messaging service also requires the logical host to be online for Instant Messaging to work properly.

▼ To Configure HA on Node *n* Using a Shared Disk for Configuration Files and Binaries

Before You Begin   Ensure that you have completed HA configuration on Node 1 as described in the previous procedure ("To Configure HA on Node 1 Using a Shared Disk for Configuration Files and Binaries" on page 100).

Have your answers for the checklists in Chapter 1 of the *Sun Java System Instant Messaging 7 2005Q1 Administration Guide* and Table 3–8 readily available.

1 Create a soft link from /etc/opt/SUNWiim **that points to** /*global*/*im*/etc/opt/SUNWiim**.**

2 Create a soft link for the resource type registration (RTR) file:

```
ln -s /global/im/
im_svr_base/cluster/SUNW.iim  \
/usr/cluster/lib/rgm/rtreg/SUNW.iim
```

Configuring the Logical Host

Before starting Instant Messaging, you need to create a resource group, add the logical host, and bring the resource group online.

▼ To Configure the Resource Group With the Logical Host

1 Create an Instant Messaging failover resource group named *im_resource_group***:**

```
# scrgadm -a -g im_resource_group -h
im-node-2,im-node-1
```

2 Add the logical host name *im_logical_host* **to the resource group.**

Instant Messaging will listen on this host name.

```
# scrgadm -a -L -g im_resource_group -l
im_logical_host
```

3 Bring the resource group online:

```
# scswitch -Z -g im_resource_group
```

Registering and Activating the Storage Resource

Before you can bring the Instant Messaging data service online, you need to register and activate the storage resource as described in this section.

▼ To Register and Enable the Storage Resource

1 Register the storage resource.

If you are using HAStoragePlus with a global file system (GFS), set the mount point as the value for the *FileSystemMountPoints* property. For example:

```
# scrgadm -a -j im_resource_group_store
 -g im_resource_group -t SUNW.HAStorage   \
-x FileSystemMountPoints=/global/
im -x AffinityOn=True
```

Otherwise, specify the mount point as the value for the *ServicePaths* property. For example:

```
# scrgadm -a -j im-resource-group-store
 -g im-resource-group -t SUNW.HAStorage   \
-x ServicePaths=/global/im -x AffinityOn=True
```

2 Enable the storage resource:

```
# scswitch -e -j im_resource_group_store
```

Registering the Resource Type and Creating a Resource

Before you start the HA Instant Messaging server or multiplexor, you need to register the resource type SUNWiimsc with Sun Cluster and create a resource.

▼ To Register the Resource Type and Create a Resource

1 Register the resource type.

```
# scrgadm -a -t SUNW.iim
```

2 Create the resource.

Enter the following command on a single line:

```
# scrgadm -a -j im_resource -g
im_resource_group -t SUNW.iim
-x Confdir_list=/global/im/
im_resource_group
-y Resource_dependencies=im_resource_group_store -y Port_list=80/tcp
```

3 Enable the resource:

```
# scswitch -e -j im_resource
```

4 Start Instant Messaging components.

⚠ **Caution –** Do not use the imadmin start, imadmin stop , or imadmin refresh commands in an HA environment with Sun Cluster. Instead, use the Sun Cluster administrative utilities.

Verifying the Instant Messaging HA Configuration

After you start Instant Messaging, you need to verify the HA configuration as described in this section.

▼ To Verify the HA Configuration for Instant Messaging

1 Check that all required processes are running.

2 Conduct a switchover of the service to the backup node to ensure the high availability.

For example, if the service is running on *im_node_1*, issue the following command to switch the service to *im_node_2*.

```
# scswitch -z -g im_resource_group -h
im_node_2
```

3 Check that all required processes are started on *im_node_2*.

Troubleshooting the Instant Messaging HA Configuration

To help with troubleshooting, error messages are written to the error log. The logs are controlled by the syslog facility. For information about using the logging facility, refer to the "HA Related Documentation" on page 107 and to the man page for syslog.conf.

Stopping, Starting, and Restarting the Instant Messaging HA Service

To start and stop the Instant Messaging HA service, use the Sun Cluster scswitch command.

> **Caution** – Do not use the imadmin start, imadmin stop , or imadmin refresh commands in an HA environment with Sun Cluster. Instead, use the Sun Cluster administrative utilities.

For more information about the Sun Cluster scswitch command, refer to the *Sun Cluster Reference Manual for Solaris OS.*

▼ To Start the Instant Messaging HA Service

◗ **Type the following at the command line:**

```
# scswitch -e -j im_resource
```

▼ To Stop the Instant Messaging HA Service

◗ **Type the following at the command line:**

```
# scswitch -n -j im_resource
```

▼ To Restart the Instant Messaging HA Service

◗ **Type the following at the command line:**

```
# scswitch -R -j im_resource
```

Managing the HA RTR File for Instant Messaging

The resource type registration (RTR) file is an ASCII text file that describes a highly-available resource type that runs under the control of the Resource Group Manager (RGM). The RTR file is used as an input file by the scrgadm command to register the resource type into the cluster configuration. The Instant Messaging RTR file, SUNW.iim, is created when you install the SUNWiimsc package during HA configuration.

This section provides information about managing this file in the following sections:

- "Instant Messaging RTR File Parameters" on page 105
- "Customizing the RTR File for Instant Messaging" on page 105

Instant Messaging RTR File Parameters

The following table lists the extension properties in the Instant Messaging RTR file (`SUNW.iim`) that are specific to Instant Messaging.

TABLE 3–10 `SUNW.iim` Extension Properties

Extension Property	Default	Description
Server_Root	If you are using a local disk to store configuration files and binaries: *im_svr_base* If you are using a shared directory to store configuration files and binaries: /*global*/*im*/*im_svr_base*	Defines the absolute path to the Instant Messaging server installation directory. By default, *im_svr_base* is /opt/SUNWiim on Solaris.
Confdir_list	None	Defines the absolute path to the Instant Messaging configuration. This value is set during the installation of SUNWiimsc.
Monitor_retry_count	4	Defines how many times you want the process monitor facility (PMF) to attempt to restart the fault monitor if it determines it is not running.
Monitor_retry_interval	2 (minutes)	Time, in minutes, between restart attempts made by the PMF on the fault monitor.
Probe_timeout	30 (seconds)	Time, in seconds, that the Sun Cluster probe will wait for a successful connection to Instant Messaging.
Failover_enabled	True	Determines whether or not to failover to another node if the configured number of retries (`retry_count`) is exceeded during the configured retry interval (`retry_interval`). See the *Sun Cluster Reference Manual for Solaris OS* for more information on retry and other parameters.

Customizing the RTR File for Instant Messaging

You can modify the values for several of the extension properties in the Instant Messaging RTR file (`SUNW.iim`) to configure your HA environment. Extension properties are properties that are

specific to the resource type. These properties are inherited by every resource of the same type. Instant Messaging extension properties are described in .

See the documentation for rt_reg and property_attributes in the *Sun Cluster Reference Manual for Solaris OS* for more information on the contents of resource type registration files and instructions on customizing values for extension properties.

Removing HA for Instant Messaging

In order to remove Instant Messaging from an HA environment, you need to remove the Instant Messaging cluster agent SUNWiimsc as described in this section.

▼ To Remove HA for Instant Messaging

Before You Begin   When you remove the SUNWiimsc package as described in this procedure, any customizations you made to the RTR file SUNW.iim are lost. If you want to restore them at a later time, you need to create a backup copy of SUNW.iim before removing the SUNWiimsc package.

1   Bring down the Instant Messaging data service:

```
scswitch -F -g im_resource_group
```

2   Disable all resources in the Instant Messaging resource group (*im_resource_group* **):**

```
# scswitch -n -j im_resource
# scswitch -n -j im_logical_host
# scswitch -n -j im_resource_group_store
```

3   Remove the resources from the Instant Messaging resource group:

```
# scrgadm -r -j im_resource
# scrgadm -r -j im_logical_host
# scrgadm -r -j im_resource_group_store
```

4   Remove the Instant Messaging resource group:

```
# scrgadm -r -g im_resource_group
```

5   Remove the Instant Messaging resource type:

```
# scrgadm -r -t SUNW.iim
```

6   Remove the SUNWiimsc **package using the Java Enterprise System installer or manually as follows:**

```
pkgrm SUNWiimsc
```

When you remove the package, any customizations you made to the RTR file are lost.

7 If you are using a shared directory for configuration files and binaries, remove any soft links created during HA configuration.

On Node 1:

```
rm /etc/opt/SUNWiim
```

On all other nodes:

```
rm /usr/cluster/lib/rgm/rtreg/SUNW.iim
```

HA Related Documentation

- *Sun Java System Instant Messaging 7 2005Q1 Administration Guide*
- Sun Java Enterprise System 2005Q4 Technical Overview
- *Sun Java Enterprise System 2005Q4 Installation Guide for UNIX* describes the Java Enterprise System installer (and uninstaller) and the supported installation scenarios.
- *Sun Java Enterprise System 2005Q4 Release Notes* provide current information about the Sun Java Enterprise System product.
- *Sun Cluster Concepts Guide for Solaris OS* provides a general background about Sun Cluster software, data services, and terminology resource types, resources, and resource groups.
- *Sun Cluster Data Services Planning and Administration Guide for Solaris OS* provides general information on planning and administration of data services.
- *Sun Cluster System Administration Guide for Solaris OS* provides the software procedures for administering a Sun Cluster configuration.
- *Sun Cluster Reference Manual for Solaris OS* describes the commands and utilities available with the Sun Cluster software, including commands found only in the SUNWscman and SUNWccon packages.
- *Sun Java System Communications Services 6 2005Q4 Deployment Planning Guide* provides further information about how HA is implemented in Instant Messaging.

Redistributable Files

Sun Java System Instant Messaging 7 2005Q4 does not contain any files which you can redistribute.

4

Sun Java System Communications Services Delegated Administrator 6 2005Q4 Release Notes

Version 6 2005Q4

These Release Notes contain important information available at the time of release of Sun Java™ System Communications Services Delegated Administrator 6 2005Q4. New features and enhancements, known issues and limitations, and other information are addressed here. Read this document before you begin using Delegated Administrator 6 2005Q4.

These release notes contain the following sections:

Release Notes Revision History

TABLE 4–1 Delegated Administrator Release Notes Revision History

Date	Description of Changes
September 30, 2005	Updated known issues, problems fixed in this release, compatibility issues.
April 4, 2005	Added information about new features, installation requirements, requirements.

About Delegated Administrator

Sun Java System Communications Services Delegated Administrator enables you to provision organizations (domains), users, groups, and resources in an LDAP directory used by Communications Services applications such as Messaging Server and Calendar Server.

The Delegated Administrator tool has two 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 administrators can use the GUI to provision users in an LDAP directory.

For information about configuring and managing Delegated Administrator, and for a description of the commadmin command-line tools, see the *Sun Java System Communications Services 6 2005Q4 Delegated Administrator Guide*.

What's New in This Release

With Communications Services Delegated Administrator, you can provision users in an LDAP Schema 2 directory only. To provision Messaging Server users in an LDAP Schema 1 directory, you must use iPlanet Delegated Administrator, a deprecated tool.

The Delegated Administrator 6 2005Q4 release implements the following new features:

- The Delegated Administrator console supports provisioning for Calendar Server.

  In earlier releases, only the Delegated Administrator utility (commadmin) supported Calendar Server.

  The following console features implement support for Calendar Server:

  - Service packages with Calendar service can be allocated to organizations and assigned to users.

  - You can create and manage Calendar resources in the console.

- You can create and manage groups in the console. Groups can have mail service (mailing lists), used by Messaging Server.

- Service packages provide additional features and flexibility:

  - New types of service packages have been implemented. In addition to service packages for mail users, there are now service packages for calendar users and mail groups.

  - Services can be combined in a single service package. One type of service package provides both mail service and calendar service for users.

  - When you allocate or assign a service package, the Allocate or Assign Service Package wizard allows you to furnish specific values for service-related attributes. The specified values override the values in the service package itself for the target user, group, or organization.

- The Delegated Administrator console's interface has been improved. For example, the following enhancements have been made:

  - In the organization view, a second row of tabs has been added. By selecting these tabs, you can display lists of users, groups, Calendar resources, service packages, or properties. In the previous release, lists of users, service packages, and properties were displayed by means of drop-down lists.

  - You are not required to assign a service package to each user or group. In the previous release, a service package had to be assigned to each user.

Requirements

This section describes the following platform, client product, and additional software requirements for this release of Delegated Administrator:

- "Important Patch Information" on page 47
- "Platforms" on page 111
- "Java Enterprise System Components" on page 112
- "Hardware Requirements" on page 112
- "Browsers" on page 113

Patch Information

After you use the Sun Java System Installer to install Sun Java System Communications Services Delegated Administrator 2005Q4, it is recommended that you download and install the latest patch for Delegated Administrator.

Go to http://sunsolve.sun.com and select either "Patches" or "Patch Portal". The current patch number for Delegated Administrator is:

Solaris	119777
x86	119778
Linux	119779

Check the SunSolve site for more information about the patch for Delegated Administrator.

Platforms

This release supports the same platforms supported by Messaging Server, Calendar Server, and other Java Enterprise System components.

Specifically, this release supports the following platforms:

- Solaris 10 Operating System (SPARC™ and x86 Platform Editions) including Zones Support

- Solaris 9 Operating System Update 2 (SPARC and x86 Platform Editions)

- Solaris 8 Operating System (SPARC Platform Edition)

- Red Hat Linux 2.1 Update 2 (or later updates)
- Red Hat Linux 3.0 Update 1 (or later updates)

For detailed information about Solaris and Linux requirements, including required upgrade patches and kernel versions, see the *Sun Java Enterprise System Installation Guide* and *Sun Java Enterprise System Release Notes* .

Java Enterprise System Components

The following Java Enterprise System components, tools, and LDAP schema version are required for this release of Delegated Administrator:

- Directory Server 5.*x*
- Access Manager 6.2 or higher
- Either Messaging Server 6 or Calendar Server 6, or both.

  For information about requirements for Messaging Server, see Chapter 2

  For information about requirements for Calendar Server, see Chapter 1

- Java Enterprise System Web container. You must deploy Delegated Administrator to one of the following Web containers:
  - Sun Java System Web Server 6.1 or higher
  - Sun Java System Application Server 7.*x*
  - Sun Java System Application Server 8.*x*
- Directory Server Preparation Tool (Setup script): `comm_dssetup.pl` version 6.3–2.03

  This version of `comm_dssetup.pl` is provided when you use the Java Enterprise System 2005Q4 Installer to install Directory Server.

- LDAP Schema 2. This release of Communications Services Delegated Administrator is designed for provisioning users in an LDAP Schema 2 directory.

For information about requirements for Directory Server, Access Manager, Web Server, and Application Server, see the current release notes for these products.

For installation instructions for the Java Enterprise System components listed in this section, see the *Sun Java Enterprise System Installation Guide*.

Hardware Requirements

The memory and disk space 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.

Browsers

The Delegated Administrator console requires a JavaScript-enabled browser. For optimal performance, Sun recommends the browsers listed in "Client Software Requirements" on page 47:

TABLE 4–2 Delegated Administrator Console Browser Recommendations

Browser	Windows XP	Windows 2000	Solaris
Netscape™ Navigator	7.2 or later	7.2 or later	7.2
Microsoft Internet Explorer	6.0 SP1 or later	6.0 SP1 or later	NA
Mozilla™	1.4 or later	1.4 or later	1.4 or later

Installation Notes

For a general summary of the steps required to install and configure Delegated Administrator, see "Chapter 2: Planning for Installation and Configuration" in the *Sun Java System Communications Services Delegated Administrator Guide*.

Recommended Patch

It is recommended that you download and install the latest patch for Delegated Administrator.

The following procedure summarizes the steps you should take to install Delegated Administrator.

1. Run the Java Enterprise System Installer to install Delegated Administrator 2005Q4.

2. Go to http://sunsolve.sun.com and select either "Patches" or "Patch Portal". The current patch number for Delegated Administrator is:

   Solaris   119777

   x86   119778

   Linux   119779

   Install the patch *before* you run the Delegated Administrator configuration program, `config-commda`.

3. Run the Directory Server Preparation Tool (Setup script), `comm_dssetup.pl`.

4. Configure Delegated Administrator by running the configuration program, `config-commda`.

The patch includes the following features:

- Recent fixes to known issues.

- A preparatory, "skeleton" ldif file enables you to create your own customized Class-of-Service templates.

   .

- The sample Class-of-Service templates are now stored in a new location in the directory.

The current release of the *Sun Java System Communications Services 6 2005Q4 Delegated Administrator Guide* describes how to create your own service packages.

Check the SunSolve site for more information about the patch for Delegated Administrator.

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 "Appendix D: ACI Consolidation" in the *Sun Java System Communications Services Delegated Administrator Guide.*

Compatibility Issues

The following table lists the known incompatibilities between Communications Services Delegated Administrator 6 2005Q4 and earlier versions.

Incompatibility	Impact	Comments
Access Manager now 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 will not be able to run Delegated Administrator.
Upgrading Access Manager from version 6.x to 7.0 (Java ES Release 4) without upgrading Delegated Administrator to version 6 2005Q4 (Java ES Release 4).	In the Delegated Administrator console or utility, user creation with mail or calendar service will fail.	A workaround is available. For details, see "Installation, Upgrade, and Configuration" on page 116.

Documentation Updates for Delegated Administrator 6 2005Q4

There are no documentation updates for this release of Delegated Administrator.

Known Issues Fixed in This Release

"Known Issues Fixed in This Release" on page 115 describes the bugs fixed in Delegated Administrator 2005Q4.

TABLE 4–3 Known Issues Fixed in Delegated Administrator

Problem Number	Description
6263204	Use jdapi-wildorgsearchmaxresults and jdapi-wildusersearchmaxresults for all searches.
6251950, 6230702	On the User Properties page, you cannot uncheck the Forward box, select the Local Inbox, and save the modification.
6236566	The logger.properties file is referenced to the wrong path on Linux.
6216904	Log-in performance is slow for a TLA logging in to Delegated Administrator in a directory deploying a very large number of organizations.
6211658	Service-package filter causes logout.
6206797	The commadmin domain purge command does not purge calendar resources.
6206196	Cannot access the "All Service Packages" and "Properties" tabs.
6202370	In traditional and simplified Chinese, missing online help in the sub-window for creating new organizations or new users.
6201571	Cannot save a user name with a language option.
6201234	There are only four preferred languages to select when you are creating a new organization.
6200351	A TLA or SPA cannot update the "Alias Names for Domain:" text field for a shared organization.
6198788	Broken help links in European and Japanese languages.
6198361	If you remove all Service packages from a user in an organization and then assign a new Service package from the Service Packages page, the new Service package assignment fails.
6190486	Removing a Service package from an organization causes the following message to be displayed: "No changes in service packages allocation."

TABLE 4–3 Known Issues Fixed in Delegated Administrator   *(Continued)*

Problem Number	Description
6182985	The Shared Organization window does not display available domain names to the Service Provider Administrator.
6177996	The Organization Administrator (OA) of an organization with a name that uses non-ascii characters sees a null pointer exception (NPE).
5069133	The commadmin create resource command does not have a mandatory mail option that supports the Calendar Server csresource utility.
5030030	Configuration program, config-commda, is not localized.

Known Issues and Limitations

This section describes known issues in Communications Services Delegated Administrator. The section includes the following topics:

Installation, Upgrade, and Configuration

When you upgrade from Application Server 7.x (Java ES Release 2) to Application Server 8.x (Java ES Release 4) and then upgrade to Delegated Administrator 6 2005Q4 (Java ES Release 4), Delegated Administrator fails to redeploy to the upgraded Application Server. (6319257)

After an upgrade to Application Server 8.x, applications such as Delegated Administrator are automatically redeployed to a non-DAS server1 instance. To maintain compatibility, the non-DAS instance runs on the same port as the previous release of Application Server.

However, Delegated Administrator uses the deploydir command to deploy to Application Server. In Application Server 8.x, the deploydir command only works on DAS instances. Delegated Administrator cannot be deployed to the non-DAS instance.

Workaround

After you have upgraded to Application Server 8.x, take the following steps:

1. Modify the following Access Manager configuration properties file:

   /opt/SUNWam/lib/AMConfig.properties

   by replacing the following line:

   com.sun.identity.webcontainer=IAS7.0

   with

```
com.sun.identity.webcontainer=IAS8.1
```

2. Before you run the Delegated Administrator configuration program, undeploy the /commcli and /da web applications from the server1 instance in the upgraded Application Server. Run the following commands:

```
/opt/SUNWappserver/appserver/bin/asadmin undeploy
--secure=false --user admin --password xxxx
--target server1 commcli

/opt/SUNWappserver/appserver/bin/asadmin undeploy
--secure=false --user admin --password xxxx
--target server1 da
```

3. Run the Delegated Administrator configuration program, config-commda. When you are prompted for the Access Manager host and port, specify the port for the DAS server instance.

   Specify the DAS server instance, even though Access Manager is running on the non-DAS server1 instance.

   When the config-commda program asks you where to deploy the Delegated Administrator console and Delegated Administrator server, specify the DAS server information, not the server1 information.

   If you already have configured Delegated Administrator with the server1 port (if you have already run config-commda), modify the port information (to specify the DAS port) in the following two files:

   ```
   /opt/SUNWcomm/config/cli-usrprefs.properties

   /var/opt/SUNWcomm/da/WEB-INF/class/com/sun/comm/da/resource/
   daconfig.properties
   ```

4. After you run config-commda, log in to the Application Server console. Copy all Access Manager library paths in the JVM settings for classpath-prefix and classpath-suffix entries from the server1 instance to the server instance. You can perform this task by copying the paths in the server1 domain.xml file to the server domain.xml file.

The Delegated Administrator configuration program allows you to enter invalid values in the Domain Separator field. (6310711)

In the configuration program, config-commda, you can enter invalid characters such as ^ in the Domain Separator field. You cannot log into the Delegated Administrator console using a login ID with the invalid domain-separator character.

Workaround:

Edit the value of the commadminserver.domainseparator property in the daconfig.properties file, located in the following default path:

```
/var/opt/SUNWcomm/da/WEB-INF/classes/
com/sun/comm/da/resources/daconfig.properties
```

Use a valid value such as @, -, or _.

Upgrading to Access Manager 7.0 without upgrading to Delegated Administrator 6 2005Q4 (Java ES Release 4) will cause user creation to fail. (6294603)

When you upgrade to Java Enterprise System Release 4, if you upgrade Access Manager from version 6.x to 7.0 but do not upgrade Delegated Administrator to version 6 2005Q4 (Java ES Release 4), user creation with mail or calendar service will fail.

Workaround:

1. Update the UserCalendarService.xml file, located by default in the following directory:

   ```
   /opt/SUNWcomm/lib/services/UserCalendarService.xml
   ```

   In the UserCalendarService.xml file, mark the mail, icssubcribed, and icsfirsdayattributes as optional instead of required.

2. In Access Manager, remove the existing xml file by running the amadmin command, as in the following example:

   ```
   amadmin -u amadmin -w netscape -r UserCalendarService
   ```

3. In Access Manager, add the updated xml file, as in the following example:

   ```
   amadmin -u amadmin -w netscape
   -s /opt/SUNWcomm/lib/services/UserCalendarService.xml
   ```

4. Restart the Web container.

The Delegated Administrator configuration program (config-commda) can be slow if a very large number of organizations are deployed in the directory. (6219610)

If the directory contains a very large number of organizations (50,000 or more), the Delegated Administrator configuration program (config-commda) can take a long time to complete. Performance of administrative tasks related to Access Manager is slow.

Workaround

Create a pres,eq index on the ou attribute.

Values in the resource.properties files are overwritten when Delegated Administrator is reconfigured with the config-commda program. (6218713)

If you configure an existing, configured installation of Delegated Administrator by running the config-commda program again, the properties in the resource.properties file are reset to their default values.

For example, if you previously set the following properties to these values:

`jdapi-wildusersearchresults=50`

`jdapi-wildorgsearchresults=10`

and then run `config-commda`, these properties would be reset to their default values, as follows:

`jdapi-wildusersearchresults=-1`

`jdapi-wildorgsearchresults=-1`

This issue is of concern only if you have changed the Delegated Administrator configuration (if you have enabled plug-ins or modified the values of any properties in the `resource.properties` file).

Workaround

If you need to upgrade Delegated Administrator, or if you need to rerun the `config-commda` program for any other reason, you can preserve your existing configuration by taking the following steps:

1. Back up the `resource.properties` file.

   The `resource.properties` file is located in the following default path:

   da_base/data/WEB-INF/classes/sun/comm/cli/server/servlet/
   resource.properties

2. Run the `config-commda` program.

3. Edit the new `resource.properties` file created by the `config-commda` program, as follows:

   (The new file is located in the default path shown in 1. Back up the `resource.properties` file, above.)

   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.

Delegated Administrator Console and Command-Line Utilities

If you make the root suffix a domain, Delegated Administrator functions do not work. (6321748)

By default, when Access Manager is installed, the root suffix is not installed as a domain. That is, the root suffix does not contain the `sunPreferredDomain` attribute. If the root suffix is turned into a mail domain, problems occur in Delegated Administrator.

Workaround

Use the same default domain that you set up for Messaging Server. If you have not installed Messaging Server, make sure that the default domain is created one level below the root suffix in the DIT.

When you create a group with no services using the command-line utility (commadmin group create) and then assign a service package to the group in the Delegated Administrator console, you are not prompted to enter any Mail Service details. (6317925)

This issue occurs when you create a group with commadmin group create without adding any services to the group, and then use the Delegated Administrator console to assign a service package to the group. You can assign a mail service package to the group using the **Assign Service Package** wizard, but you are not prompted to enter information in the Mail Service Details panel. A message informs you that the mail service package was assigned successfully. If you open the group's Properties page, the group members are listed, but you cannot edit these fields or enter an email address for the group.

Workaround

Use the commadmin group modify command to add mail service and an email address to the group. For example:

```
./commadmin group modify -D <TLA> -w <TLA_password> -G Group0
-S mail -E Group0@<domain> -d <domain>
```

Attributes passed with the —A option of the commadmin command are ignored if the command also calls an input file containing attributes passed with —A. (6317850)

This issue occurs if you run a commadmin command such as this one:

```
./commadmin user create -D tla -w pass -d <domain>
-F test -L User -W pass -i /tmp/comm.in -A preferredlanguage:es
```

and the input file, comm.in, contains attributes passed with the -A option. The result is that the -A option in the command line is ignored. In the example shown above, the preferredlanguage:es is not added.

Workaround

If any attributes are passed in the input file with the -A option, pass all values of -A in the input file. Do not also use -A in the command line.

An Organization Administrator (OA) can remove himself as an OA by modifying the organization Properties page. (6314711)

If you log into the Delegated Administrator console as an OA, you can go to the organization's Properties page and remove yourself from the list of users with OA rights. No error occurs, and you can continue using the console. You should either be unable to remove yourself as an OA or be logged out as soon as you remove yourself.

An inappropriate error message is displayed when you use a domain name that conflicts with the name of a deleted domain. (6309418)

This issue occurs if you create an organization with a domain name that is the same as the name of a deleted domain. (The organization name is different than the name of the deleted organization.) The following error message appears: Attribute uniqueness violated.

Workaround

Specify a new domain name.

The Delegated Administrator console writes icsAllowRights values to the directory that are different than the values documented in the Schema Reference. (6308579)

This issue occurs when you set Advanced Rights in an organization that has Calendar service allocated to it. If you open the Properties page for the organization, navigate to the Calendar Service section, and click the Advanced Rights button, the Advanced Rights properties are displayed. These properties are stored with the icsAllowRights attribute in the directory.

In the Delegated Administrator console, if you set the Advanced Rights properties to "No," the icsAllowRights value in the directory is saved as 0. However, the *Schema Reference* documents that the value 0 means that the property is allowed.

Note also that the Advanced Rights properties in the Delegated Administrator console are set to "No" by default, even if these values conflict with the corresponding values in the ics.conf file. The values set by Delegated Administrator override the values in the ics.conf file.

When you use commadmin group create to create a group, you can add only one dynamic membership filter (LDAP URL) with the —f option. (6303551)

The commadmin group create command allows you to use the -f option multiple times to construct dynamic membership filters (LDAP URLs) for the group. However, only the last filter is saved in the LDAP directory.

Workaround

Run the commadmin group modify command multiple times, once for each filter you wish to add.

When you add Dynamic members to a group In the Delegated Administrator console, you cannot test a manually constructed LDAP URL. (6300923)

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.

Using the browser's Back button in the Delegated Administrator console can cause unexpected pages to be displayed. (6292610)

Workaround

Navigate only by using the tabs and navigation links provided on the page itself.

The number of service packages assigned to groups in an organization can exceed the number allocated to that organization. (6285713)

After you allocate a specified number of service packages for groups in an organization, you can assign an unlimited number of service packages to the groups in the organization. The allocation limits are not enforced.

For example, if you allocate 20 service packages for groups in an organization, you can assign service packages to more than 20 groups in the organization.

An incorrect error message is displayed when you create a new user with a Login ID that is already in use. (6283567)

When you create a new user with a unique email address but a login ID that is already used, the user is not created (which is the correct behavior), but the following error message is displayed: "Cannot create user — mail address already used." The error message should say that the login ID is already used.

You cannot create users in a domain that includes an underscore in its name. (6281261)

Workaround

Do not include an underscore in the domain name.

On Linux, you cannot use the commadmin utility to add certain service object classes. (6280807)

This issue occurs when you run commadmin with the -A option to add particular service object classes. For example, if you run the following command:

```
/opt/sun/comms/commcli/bin/commadmin user modify -D admin
-n <domain> -w <password> -p81 -X localhost -d <domain> -l test
-A +objectclass:sunportalgatewayaccessservice
```

Delegated Administrator is unable to get the service object classes.

Workaround

Manually add the required object class for the user in Directory Server through the Administration Console, or by using the ldapmodify command.

Searching for organizations by service name, service package name, and mail host does not work. (6277314)

In the Organization list page, if you use the drop-down menu to search for organizations by service name, service package name, or mail host, and then enter a search string, the search result includes all organizations.

You cannot create an organization with a comma in the organization name. (6275439)

If you use the Create Organization wizard to create an organization and specify an organization name containing a comma, an error is displayed and the organization is not created.

Workaround

Do not put a comma in an organization name.

If you delete a domain with the commadmin domain delete command, you cannot use commadmin to purge the domain. (6245878, 6203605)

If you use commadmin domain delete to delete an organization with mail service, the inetDomainStatus is set to deleted . If you then use msuserpurge to remove users from the message store and commadmin domain purge to purge the domain, the domain remains in the LDAP directory. The mailDomainStatus value for the domain does not equal removed.

The same issue exists if you use commadmin domain delete to delete an organization with Calendar service, then use csclean to remove the calendar, and then use commadmin domain purge to purge the domain. The icsStatus is not marked as removed in LDAP.

Workaround

Use ldapmodify to set the mailDomainStatus or icsStatus to removed. Then use commadmin domain purge.

The Domain Disk Quota value is lost if you change the Domain status or Mail Service status of a full organization. (6239311)

This problem occurs if you edit a full organization with a Domain Disk Quota value set to any numeric value, and you change the Domain Status or Mail Service Status from Active to any other value (such as Inactive or Hold).

A message indicates that the properties of the organization have been successfully modified, but the value of the Domain Disk Quota field is set to unlimited, and the LDAP attribute (mailDomainDiskQuota) is lost for the organization.

Workaround

This issue is fixed in the latest Delegated Administrator patch. Download the patch, as described in "Recommended Patch" on page 113.

Or: Reset the value of the Domain Disk Quota field and save the properties of the organization again.

No indication when a User, Organization, or Group list page has finished loading. (6234660)

If you click a button while a list page is loading, an error occurs.

While the page is loading, a message asks you to wait. Do not click any buttons or links until the page is ready.

The commadmin user modify command fails if you assign both the sunpresenceuser and sunimuser object classes to a user entry. (6214638)

A newly created user does not inherit the domain's timezone (TZ). (6206160)

If you create a domain with a non-default timezone, and then create a new user without explicitly using the -T <*timezone* > option, the user is given the default timezone (America/Denver).

For example, assume you create a domain named sesta with a timezone of Europe/Paris. Next, create a new user in sesta. The user is given the default timezone, America/Denver.

Workaround

When you create or modify a user, pass -T < *timezone*> explicitly to the commadmin user create or commadmin user modify command.

You need to save the Organization Properties page to successfully add an administrator. (6201912)

If you open the Organization Properties page and assign an administrator role to a specified user, you must then save the Organization Properties page to add the administrator successfully. If you log out after assigning the new administrator, the administrator is not added.

New non-ascii organizations cause an error because the default administrator's email address cannot be specified. (6195040)

The default administrator's uid defaults to "admin_ *new_organization_name*." If the new organization name contains non-ascii characters, the email address that uses this uid is invalid.

You cannot edit a user's login ID in this release of Delegated Administrator. (6178850)

If the root suffix name is the same as an organization domain name, the Delegated Administrator utility does not work. (5107441)

If you create the root suffix name that is the same as your domain name (for example, if the root suffix is o=example.com and the domain is example.com), the commadmin utilities do not work.

Workaround

Avoid using the same name for the root suffix and another domain in the directory. (The o=name values must be different.)

The advanced search feature does not return correct results for organizations. (5094680)

This issue occurs if you perform the following steps:

1. Select the Advanced Search feature.
2. Select "Organizations" from the drop-down list.
3. Click the Match All or Match Any radio button.
4. Select an organization name from the drop-down list.
5. Enter valid values in the text field.
6. Click Search.

Instead of returning only the organizations that match the search criteria, Delegated Administrator displays all organizations.

The Summary page in the New Organization wizard does not display all the organization details. (5087980)

When you create a new organization with the New Organization wizard, certain details, such as Disk Domain Quota and Mail Service Status, are not displayed in the wizard's Summary page.

Cannot modify non-ASCII groups. (4934768)

If a group is created with a group name that contains non-ASCII characters, it cannot be modified with the commadmin group modify command.

For example, if a group with the non-ASCII characters XYZ is specified with the -G option in the commadmin group create command, an email address of XYZ is automatically added to the group's LDAP entry. Since non-ASCII characters are not allowed in email addresses, modifying the group with commadmin group modify fails.

Workaround

Use the -E *email* option when creating a group. This option will specify the group's email address. For example: commadmin group create -D admin -w password -d siroe.com -G XYZ -S mail -E testgroup@siroe.com .

Creating a group with multiple -f options adds only one attribute. (4931958)

If you specify multiple -f options for creating dynamic groups in the commadmin group create command, only the value specified with the last -f option is added to the LDAP entry. The other values are not added.

Workaround

Do not specify the -f option multiple times when using the `commadmin group create` command.

Localization and Globalization

This section describes Delegated Administrator localization problems.

In the localized Delegated Administrator GUI configuration program, config-commda, the default page size may be too small to display all input fields and field labels properly. (6307209)

Workaround:

If you are using a localized GUI configuration program, `config-commda`, and any labels or input fields are not visible, resize the dialog in the GUI `config-commda` to accommodate the longer labels.

You cannot create a domain with a language-tagged welcome message. (6242611)

If you use the `commadmin domain create` command to create a domain with a language-tagged welcome message (with the `-A "mailDomainWelcomeMessage;lang-<language tag>:Subject:<message>"` option), the domain cannot be created.

Workaround

First create the domain with the `commadmin domain create` command. Then use the `commadmin domain modify` command to add the language-tagged welcome message. For example:

```
commadmin domain create -D admin -w pass -S mail -H test.<domain>
-d i18n.tst
```

```
commadmin domain modify -D admin -w pass -d i18n.tst
-A "mailDomainWelcomeMessage;lang-fr:Subject:Test$$Test"
```

An error message, "The organization already exists," is not localized. (6201623)

If you attempt to create an organization with the same name as an existing organization, Delegated Administrator displays the following error message: "The organization already exists." This message appears in English and is not translated.

Documentation

This section describes errors or incomplete information in the Delegated Administrator books and online help.

Available Languages list in the User Properties page is not described in the Delegated Administrator console online help. (6307846)

The **Available Languages** drop-down list allows you to select a language for a language-tagged user name.

From the **Available Languages** list, select the desired language for the user name. (The **Available Languages** list is displayed alongside the **First Name**, **Last Name**, and **Display Name** fields.)

Next, enter the first name, last name, and click **Save** . This enters a language-tagged first name, last name, and common name to the LDAP entry.

For example, if you select German from the **Available Languages** list, enter Gerard as the first name, and Schroeder as the last name, the following attributes are added to the user's LDAP entry:

```
givenname;lang-de:Gerard
sn;lang-de:Schroeder
cn;lang-de:Gerard Schroeder
```

Applications that are locale—aware will display this cn if the user's chosen language is German.

The **Default** option in the **Available Languages** list corresponds to the mandatory, untagged givenname, sn, and cn attributes.

For a shared organization, Calendar Service Details do not appear in the Create New Organization wizard; this information is not explained in the online help. (6295181)

When you create a shared organization in the Delegated Administrator console, the Calendar Service Details panel does not appear in the Create New Organization wizard. Furthermore, after the shared organization is created, Calendar Service Details do not appear in the shared organization's Properties page.

This is because, when you create a shared organization, the Calendar service attributes are inherited from the shared parent domain. Therefore, you cannot create or display Calendar service information that is unique to the new shared organization.

Only the Top-Level Administrator has the authority to edit the parent domain.

The Delegated Administrator console online help does not explain this behavior.

Sun Java System Communications Express 6 2005Q4 Release Notes

Version 6 2005Q4

These Release Notes contain important information available at the time of release of Communications Express 6 2005Q4. New features and enhancements, known issues and limitations, and other information are addressed here. Read this document before you use Communications Express 6 2005Q4.

These release notes contain the following sections:

Release Notes Revision History

TABLE 5–1 Communications Express Release Notes Revision History

Date	Description of Change
1/08/07	Updated release notes with patch information
08/25/05	RR Release Notes
06/13/05	Beta Release Notes

About Communications Express

Sun Java System Communications Express 6 2005Q4 provides an integrated web-based communication and collaboration client that consists of three client modules - Calendar, Address Book and Mail. The Calendar and Address Book client modules are deployed as a

single application on any web container and are collectively referred to as Unified Web Client (UWC). Messenger Express is the standalone web interface mail application that uses the HTTP service of Messaging Server.

This section includes:

What's New in This Release

In this release, Communications Express provides users with a new feature that helps proxy authentication for WABP (Web Address Book Protocol). This release also provides the ability to share Personal Address Books (PAB sharing) through WABP. For steps on how to configure proxy authentication for WABP, refer to *Sun Java™ Systems Communications Express Administration Guide*.

Supported Browsers

Communications Express6 2005Q4 requires a JavaScript-enabled browser. The following browsers are supported:

TABLE 5–2 Recommended Browser Versions for Communications Express 6

Browser	Windows XP	Windows 2000	Solaris
Netscape™ Navigator	7.2	7.2	7.2
Microsoft Internet Explorer	6.0 SP2	6.0 SP1 or later	NA
Mozilla™	1.4	1.4	1.4

Bugs Fixed in This Release

Bugs fixed in Communications Express 2005Q4.

TABLE 5–3 Bugs Fixed in Communications Express

Bug Number	Description
6263386	Customizing webmail for specific domains causes Communications Express links to fail
6265290	Trusted circle SSO fails when `inetDomainSearchFilter` is configured in Communications Express
6267844	During a hosted domain setup using Schema 2, incorrect domain appears during authentication failure

TABLE 5–3 Bugs Fixed in Communications Express   *(Continued)*

Bug Number	Description
6261129	Idle timeout does not work with remote Access Manager
6229297	Message body is lost when trying to cancel Spell Check
6229319	JavaScript error when the 'Select folder' option is chosen from the drop-down menu in the 'Current' folder
6208144	The 'alias ' domain lookup in Communications Express does not work
6179023	Communications Express displays a wrong error message while traversing from Options to Address Book
6204672	Some strings are displayed in English in the "Compose Mail" windows when using Mozilla Firefox, for Japanese, Korean, Simplified Chinese, or Traditional Chinese locales.
6200222	Some strings are displayed in English in the Compose window on Mozilla1.x, Firefox when preferred language is set to Japanese, Korean, Simplified Chinese, or Traditional Chinese.
6182987	Incorrect translation for "Sent" folder name in Korean.
6181721	Messenger Express shows a blank page on Internet Explorer due to a JavaScript error.

Important Bugs Fixed in Patch Releases

In addition to documenting fixed bugs and known issues in final product releases, this release notes also list important bugs that are fixed in patches provided after the final release of the product. The post release patches are available at `http://sunsolve.sun.com/`. Refer to the README file for each patch to see the list of bugs fixed.

Table 5–4 lists platform specific patches.

TABLE 5–4 Platform Specific Patches for Communications Express.

Platform	Patch ID
Solaris	118207
x86	118208
Linux	118209

Depending on the platform you use, you can apply the corresponding patch. For example, a fix in a Solaris patch 118207-60 will also be available in the corresponding x86 patch 118208-60 and the Linux patch 118209-60.

In this section we document bugs and patches that result in either a GUI change or require you to configure or change settings in the product for the patch to take effect. This section also describes the required steps you need to perform after applying the patch.

GUI: Communications Express Needs the Ability to Hide Calendar id *(6371103)*

Fixed in patch **118540-32**.

Communications Express does not allow hiding of the calendar ids in the user interface. Many customers prefer to hide the uid attribute from the end-user for security reasons. The following screen shows the calendar uid (userID) of the user in the Current Calendar drop-down list. This is the default behavior:

This bug has been fixed by adding the following parameter in the uwcdomainconfig.properties file:

uwc-user-attr-hideCalId

This parameter is by default set to false. Follow the instructions in "To Hide Calendar UIDs in Communications Express User Interface" on page 132 to disable calendar uids in Communications Express user interface. The following screen shows the calendar name (GivenName, Surname) in the Current Calendar drop-down list.
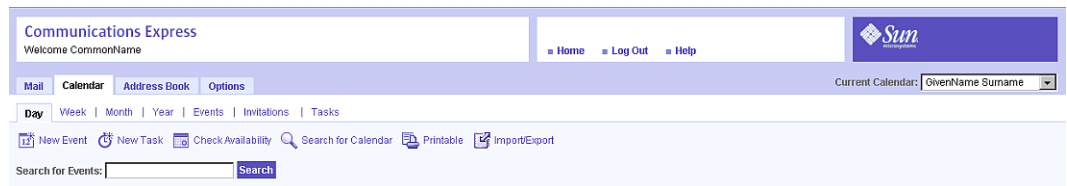
▼ To Hide Calendar UIDs in Communications Express User Interface

1. **Change directory to** *uwc-deployed-path/WEB-INF/domain***.**

2. **Open the** uwcdomainconfig.properties **file in a text editor.**

3. **Search for the parameter** *uwc-user-attr-hideCalId* **in this file and set its value to** true**.**
   uwc-user-attr-hideCalId=true

4. **Restart the web container on which Communications Express is deployed.**

Installation Notes

The following services need to be installed and configured for Communications Express:

▼ Products to be installed for Communications Express

1   **Directory Server - Install Sun Java ™ System Directory Server 5 2005Q1.**

2   **Calendar Server - Install Sun Java System Calendar Server 6 2005Q4.**

3   **Web Server - Install Sun Java System Web Server version 6.1 SP4.**

4   **Messaging Server - Install Sun Java System Messaging Server 6 2005Q4.**

5   **Access Manager - Install Sun Java System Access Manager 6 2005Q4.**

6   **Application Server - Install Sun Java System Application Server 8 2005Q4.**

    Refer to *Chapter 2, "Installing and Configuring Communications Express," in Sun Java System Communications Express 6 2005Q4 Administration Guide* for instructions on how to install and configure Sun Java System Communications Express.

Known Issues and Limitations

This section contains a list of the known issues with Communications Express 6 2005Q4. The following product areas are covered:

- "Generic Issues" on page 133
- "Configurator Tool Issues" on page 135
- "Calendar Issues" on page 137
- "Mail Issues" on page 137
- "Address Book Issues" on page 138
- "Options Issues" on page 139
- "Localization Issues" on page 139

Generic Issues

The User Does Not Have an Option to Choose a View After Logging into Communications Express. *(6195844)*

The option to select a default view has been removed from Global Options. The Online Help does not reflect this change.

Fully Qualified Host Name Required in URL Even when the User is Authenticated. *(5008104)*

Communications Express cannot be fully configured if a fully qualified host name is not provided. The domain name is not set in the cookie if the URL is not with fully qualified host name even when the user is authenticated.

Workaround

Always access the application using a fully qualified host name.

HTTP 502 Error Displayed on Upgrading Communications Express. *(6300650)*

Communications Express has compatibility issues between JES4 and JES3 version of Messenger Express on Solaris x86. Communications Express reports an HTTP 502 error when users log out.

Workaround

Upgrade Messaging Server (or Messaging Server MEM) to JES4 version of Messaging Server.

Invalid Path Information provided in config-uwc Configuration file on Linux. *(6263554)*

The `config-uwc` configuration file for Linux shows invalid path names for Application Server. This points to the default path that is valid on Solaris but not on Linux.

Workaround

The incorrect path information shown below:

```
Install directory: /opt/SUNWappserver/appserver
Directory Domain: /var/opt/SUNWappserver/domains/domain1
Document Root Directory: /var/opt/SUNWappserver/domains/domain1/docroot
```

should be changed to the following:

```
Install directory: /opt/sun/appserver/appserver
Directory Domain: /var/opt/sun/appserver/domains/domain1
Document Root Directory: /var/opt/sun/appserver/domains/domain1/docroot
```

UWCAuth Servlet Throws a NullPointer Exception. *(6272426)*

In a deployment scenario where the dependent components of Communications Express (deployed on Sun Java System Application Server) are deployed across multiple nodes, the Communicaitons Express UWCAuth Servlet throws a NullPointer Exception.

Workaround

Restart the Application Server.

Configurator Tool Issues

This section contains a list of known issues in the Configurator tool for Communications Express.

Configurator Tool for Communications Express Does Not Support the 'Unconfigure' Option. *(5104756)*

The Communications Express Configurator does not allow you to undeploy, remove files at the time of configuration, and remove files created during runtime.

Workaround

To unconfigure Communications Express:

1. Remove the Communications Express package. For example on Solaris type

   pkgrm SUNWuwc

2. Remove the deploy directories

3. Remove the WEBAPP entry from Web Server or Application Server server.xml file.

Silent Configuration Does Not Work. *(5008791)*

Communications Express allows configuration to be executed only interactively, and does not allow silent configuration. When you try to configure in a silent mode, the following error is displayed, "The Directory name cannot be left blank. This is a mandatory field. Please enter again."

Communications Express Configurator: devinstall Dumps Core for Unresolved Host Aliases. *(5028906)*

Communications Express Configurator fails to complete the configuration process if your system is not configured for host name aliases.

Workaround

Ensure that you have configured one or more host name aliases for your system.

To configure one or more host name aliases on UNIX systems:

1. Provide the configuration for the hosts in /etc/nsswitch.conf file:

   hosts: files dns nis

   This configuration indicates to the name service the lookup order it should use to resolve host names and host aliases. The name service lookup order is: files, dns, and nis.

2. Ensure that the /etc/hosts file contains two or more host names defined against your machine's IP address.

   For example, if your system IP address is 129.158.230.64, then in /etc/hosts file, you can configure the IP address as:

```
129.158.230.64 budgie.siroe.varrius.com budgie
```

or

```
129.158.230.64 budgie.siroe.varrius.com budgie loghost
```

Example of an incorrect IP address:

```
129.158.230.64 budgie
```

GUI Configuration Input Fields are Truncated because Input Fields are Right Aligned. *(4996723)*

The field names and browser buttons are truncated or not visible when the configuration wizard is invoked in a language other than English.

Workaround

Resize the configuration panels to view its contents properly.

The Components for Communications Express are Shown to be Zero Bytes. *(4982590)*

The Configurator tool for Communications Express shows the component size as 0 bytes while displaying the Mail and Calendar components for Communications Express.

Java Exception on Web Server Startup after Configuration of Communications Express. *(6283991)*

In an installation scenario where the Communications Express and Access Manager are installed and configured on separate nodes, the Web Server installed on the node containing the Communications Express throws a Java exception on restart. This is due to the incorrect settings in the Web Server's classpath (on the node where Communications Express is installed).

Workaround

Edit the *web_svr_base*/config/server.xml file on the Web Server instance of the node where Communications Express is installed, and ensure that the following entries are available in the Web Server's classpath:

```
opt/SUNWam/lib:/opt/SUNWam/locale:/etc/opt/SUNWam/config:
/opt/SUNWam/lib/am_sdk.jar:/opt/SUNWam/lib/am_services.jar:
/opt/SUNWam/lib/am_logging.jar
```

Unable to Configure Communications Express on Linux due to Self Referencing Symbolic Links. *(6280944)*

The Communications Express configurator creates a self referencing symbolic link on Linux under the /var/opt/sun/uwc/staging directory.

Workaround

Remove all self referencing symbolic links from the /var/opt/sun/uwc/staging directory and redeploy UWC.

Communications Express Configurator Fails to Validate Application Server Port and as a Result the Configuration Hangs. *(6298931)*

The Communications Express configurator does not validate the Application Server port during configuration and thus the configuration hangs if a wrong Application Server port number is specified.

Configuration of Communications Express Hangs if Web Server is Running. *(6264589)*

The configuration of Communications Express hangs when the Web Server is running. This is due to an `UnsatisfiedLinkError` error.

Workaround

Gracefully shutdown the Web Server by executing the command */web_svr_base/web_svr_domain_name/*`stop`. This will allow the Communications Express configuration to proceed.

Calendar Issues

Calendar Does Not Allow Users to Select any Year beyond 2006 in all the Views. *(5086083)*

Communications Express allows users to select any year only till the year 2006. It does not allow selection of any other year after 2006 in all the views.

Event Search Field in Calendar Does Not Recognize Wild Cards. *(6299178)*

Communications Express does not recognize wild cards for searching Events or Tasks.

Cannot View Calendars with Availability or Invite Permissions Only. *(6233746)*

Users subscribed to a shared calendar with Availability and Invite permissions are unable to view the shared calendar.

Cannot Edit Imported Events and Tasks in Calendar. *(6199523)*

Communications Express does not allow editing of Events and Tasks that are imported from one calendar to the other (with `allow...` permissions set on both), for the same calendar owner.

Error Displayed when trying to get Options for Calendar Server. *(6306958)*

Communications Express has a hard dependency upon upgrading the UWC component of JES4 with Messaging Express and Calendar Express of JES3. A JavaScript error is displayed when users click on the Options Tab under Calendar.

Mail Issues

Adding a Large Attachment Results in a "Page Not Found" error. *(6193396)*

You will see this error if you attempt to attach a file larger than the default maximum (5 MB).

Communications Express Mail Tab Not Visible when User has mailAllowedServiceAccess: +ALL:* *(6260646)*

The mail tab for users that have attributes set as `mailAllowedServiceAccess: +ALL:*` is not visible.

Workaround

Do not add `mailAllowedServiceAccess:+ALL:*` attribute; and if exists remove it. This is the same as attribute `+ALL:*`.

Forwarded Message Saved as Draft Appears to Lose the Forwarded Attachment. *(6217929)*

When users save forwarded messages that have attachments, the drafts in the Drafts folder do not show the attachments (or forwarded messages). However, the recipients receive the forwarded messages or attachments. This causes some confusion to the users as they have no indication that the message (in draft) includes an attachment or a forwarded message.

Inbox Shows Unread Message Count as "Inbox(0)". *(6298043)*

Communications Express shows the unread message count as 0 even when the mailbox contains unread messages.

New Content Shown Twice when Forwarding Messages. *(6314465)*

When users forward messages with new content added in Rich Text Format (RTF), the new message is shown twice in the forwarded message.

Text in the New Message Text Area is Replaced by the String "undefined" When Editing Messages in Plain Text on Mozilla Browser on Solaris. *(6264555)*

Communications Express incorrectly replaces all text with the string "undefined" when users perform a spell check and edit messages using the Edit button. The behavior is seen on Solaris 9 Operating Systems running Mozilla 1.4.

Address Book Issues

The Address Book Name Cannot be Localized by defaultps/dictionary-<lang\>.xml for Every Session. *(4995472)*

The address book name cannot be localized because the localized value which is based on the resolved session language and the domain specific `defaultps/dictionary-<lang\>.xml` is assigned when the address book is accessed for the first time.

The "Name" and "Description" entered in the Address Book Options page are also not displayed in the current Address Book drop-down list that appears on the Address Book tab page.

Importing Data from Outlook CSV Format Creates Invalid Birthday and Anniversary. *(6308706)*

When users try to import Microsoft Outlook data in CSV format into Communications Express, the entries for Birthday and Anniversary are incorrectly set to 00/00/00.

Deleted Attributes in Address Book Not Indexed; Causing a Performance Overhead. *(6213691)*

Address book does not index deleted groups. This results in a performance overhead while performing search on the Address Book component of the Communications Express.

Options Issues

Online Help for Options Documents an Unsupported Feature. *(no bugid)*

The online help for Option/General contains the following information under "Default View after login': "Select the default page to be displayed after you login from the drop-down list. The options available are: Email, Calendar, and Address Book". The Options Page does not provide the user with the option to select the default application. However the online help does not reflect this change.

MailFilter UI Does Not Work if the Subject Field Contains the String "not". *(6297827)*

When users try to create mail filters with the string "not" in the Subject field, the mail filter entry does not appear in the mail filters list. However, mails are correctly filtered with the "not" keyword in the subject field. Users cannot remove this filter if they want to at a later point of time, as it is not listed in the mail filters.

Localization Issues

Mail Sent using Large Japanese/French Data Appears Garbled. *(6201676)*

When a large email message is received, users must click an attachment link (`text/html` or `text/plain`) within the message. If the content of this attachment includes non-ASCII characters, users may see corrupted data in the newly opened browser pane. This issue will be fixed in the next available patch.

Workaround

Manually select the appropriate encoding from the browser menu.

Day and Year Formats in Calendar View are Not Translated to Simplified Chinese. *(5025449)*

Day and Year View formats in Calendar view are not translated to Simplified Chinese. However, the "Month' view is correctly translated to Simplified Chinese.

Importing CSV from Localized Microsoft Outlook Express Version 6.00.2800.1123 Does Not Work. *(6186520)*

Communications Express cannot import CSV data from a localized Microsoft Outlook Express.

SMIME

Certification Revocation List Not Working. *(6225672)*

Communications Express does not display any error message when encrypted messages are sent to users whose certificates have been revoked.

Migration

Dynamic Migration of Personal Address Book Does Not Work. *(6315048)*

Communications Express cannot migrate Personal Address Book data from Messenger Express to Communications Express.

Workaround

To migrate entries from Personal Address Book to the Communications Express, use batch migration. For instructions on how to migrate PAB data to Communications Express, see Chapter 7, "Migrating PAB Data to Addressbook Server," in *Sun Java System Communications Express 6 2005Q4 Administration Guide*.

Sun Java System Connector for Microsoft Outlook 7 2005Q4 Release Notes

Version 7 2005Q4

These release notes contain important information available at the time of release of Version 7 2005Q4 of Sun Java ™ System Connector for Microsoft Outlook (also referred to as Connector for Microsoft Outlook). New features and enhancements, known limitations and problems, technical notes, and other information are addressed here. Read this document before you begin using Sun Java System Connector for Microsoft Outlook 7 2005Q4.

The most up-to-date version of these release notes can be found at `http://docs.sun.com/coll/1312.1`. Check the web site prior to installing and setting up your software and then periodically thereafter to view the most up-to-date release notes and manuals.

Please see the section "What's New in This Release" on page 144 for information on features that are new to this release.

These release notes contain the following sections:

- "Release Notes Revision History" on page 142
- "About Sun Java System Connector for Microsoft Outlook, Version 7 2005Q4" on page 142
- "What's New in This Release" on page 144
- "Requirements" on page 144
- "Installation Notes" on page 145
- "Compatibility Issues" on page 147
- "Documentation Updates" on page 158
- "Problems Fixed in This Release" on page 158
- "Known Limitations and Issues" on page 166
- "Redistributable Files" on page 175

Third-party URLs are referenced in this document and provide additional, related information.

> **Note –** Sun is not responsible for the availability of third-party Web sites mentioned in this document. Sun does not endorse and is not responsible or liable for any content, advertising, products, or other materials that are available on or through such sites or resources. Sun will not be responsible or liable for any actual or alleged damage or loss caused by or in connection with the use of or reliance on any such content, goods, or services that are available on or through such sites or resources.

Release Notes Revision History

TABLE 6–1 Sun Java System Connector for Microsoft Outlook Revision History

Date	Description of Changes
July 2005	Beta release of these release notes (Version 7 2005Q4)
October 2005	Final release of these release notes (Version 7 2005Q4)

About Sun Java System Connector for Microsoft Outlook, Version 7 2005Q4

Sun Java System Connector for Microsoft Outlook enables Outlook to be used as a desktop client with Sun Java Enterprise System.

Connector for Microsoft Outlook is an Outlook plug-in that must be installed on the end-user's desktop. Connector for Microsoft Outlook queries the Sun Java System Messaging Server for folder hierarchies and email messages. It converts the information into Messaging API (MAPI) properties that Outlook can display. Similarly, it uses WCAP to query the Sun Java System Calendar Server for events and tasks which are then converted into MAPI properties. With this model, Sun Java System Connector for Microsoft Outlook builds an end-user Outlook view from two separate information sources: mail from Messaging Server and calendar information from Calendar Server.

When users create and modify items through Outlook, Connector for Microsoft Outlook passes the new message along to the appropriate server depending on its message type. It sends new outgoing email to an SMTP mail server for delivery, and sends modified email messages back to the user's IMAP folder for storage. New calendar events and tasks are converted into a standard format to be stored in the Calendar Server database.

Sun Java System Connector for Microsoft Outlook 7 2005Q4 includes support for address book service. This service makes use of WABP and allows a user to have their personal address book accessible from both Outlook and Sun Java System Communications Express.

Note – Please note, the package that is Sun Java System Connector for Microsoft Outlook does not include any migration tools. You need those tools if you have users that are currently on Microsoft Exchange and would like to use Outlook with Sun Java Enterprise System. Sun provides a migration service to help move data and users from an existing Exchange deployment to Sun Java Enterprise System.

Key Features in Sun Java System Connector for Microsoft Outlook

The following key features and functionality are available with this release:

- Access to Sun Java System Messaging Server, and Sun Java System Calendar Server.
- Access to email folders on the Messaging Server via IMAP4.
- Access to calendar data (events, appointments) and tasks stored in the Calendar Server via WCAP.
- Access to corporate directory via LDAP.
- Access to contacts stored in the Address Book server.
- Typical Outlook mail features:
    - Compose, reply, and forward messages
    - Use Microsoft Word to write and edit messages
    - Apply spell check and encryption to message body
    - Apply address completion to message headers
    - Add signatures to messages
- Share mail folders with one or more users.
- Subscribe to other users' mail folders.
- Typical calendar features:
    - Create new appointments and events (all-day, recurring, public, private)
    - Modify events
    - Check availability
    - Suggest alternate time for events
    - Track responses to event requests
- Email based group scheduling.
- Share calendar with other users and set specific permissions for shared calendars.
- Subscribe to other users' calendars.
- Delegate calendar access to others.
- Typical task-related functionality (new task, modify task).
- Client-side rules attached to folders and data types
- Notes and Journal stored in IMAP folders.
- Full offline support for mail, calendar, and address book.

- Interoperability with web client (Communications Express).
- Global Address List manages server-side message filters.

What's New in This Release

New features in Sun Java System Connector for Microsoft Outlook 7 2005Q4 include:

- Global Address List with browsing capabilities
- Removal of dependency on Microsoft LDAP
- Out-of-office setting, and ability to notify user that setting is activated at login
- Progress displayed when synchronizing large folders
- Setting mail filters
- Sharing contacts
- Ability to search for users for mail folders sharing
- Name and email address automatically set and updated from LDAP
- Option to preview body of all messages

Requirements

This section describes the requirements and recommendations for Sun Java System Connector for Microsoft Outlook.

Note – The Sun Java System Communications Express patch 118540–20 must be applied to Connector for Microsoft Outlook. You can download this patch from Sunsolve (http://sunsolve.sun.com).

The following operating systems are supported:

- Microsoft Windows 2000 (Service Pack 3 or higher)
- Microsoft Windows XP (Service Pack 1 or higher)
- Microsoft Windows 2003 Terminal Server

The following versions of Microsoft Outlook are supported:

- Outlook 2000 SP3 (Workgroup mode)
- Outlook 2002 SP2
- Outlook 2003

Other requirements for Connector for Microsoft Outlook are:

- Sun Java System Calendar Server 6 2005Q4

> **Note** – Calendar Server customers who have deployed previous versions of Sun Java System Calendar Server need to engage with Sun Professional Services to enable their data to be converted and migrated to the new format. A Sun Professional Services offering is available. This migration is required for the use of Outlook, and is necessary because of the underlying changes in the storage and management of recurring events. No migration service is required for new customers of Calendar Server 6 2004Q2 or later.

- Sun Java System Messaging Server 6 2005Q4

> **Note** – Both Calendar Server and Messaging Server are installed via Sun Java Enterprise System. You can download Sun Java Enterprise System from:
> http://www.sun.com/software/download/java_system.html.

- Web Publishing Wizard (required for Outlook 2000 only)

  If you are using Windows 2000, check for the Wpwiz.exe program file to determine if you have the Web Publishing Wizard installed on your computer. For example, if your programs are installed on your C drive, check the following location:

  C:\Program Files\Web Publish\Wpwiz.exe

  Or, search for the Wpwiz.exe file using the Find or Search command from the Start button.

  If you don't have the Web Publishing Wizard on your Windows 2000 computer, you can download this from http://www.microsoft.com.

> **Note** – Although this web site states that this download for Web Publishing Wizard is for Windows 95 and Windows NT 4.0, this is the correct version to download for Windows 2000.

Installation Notes

Connector for Microsoft Outlook is an Outlook plug-in that requires installation on the end users' desktop. A deployment and configuration program is provided to aid the organization in deploying Connector for Microsoft Outlook.

> **Note** – Before you install Sun Java System Connector for Microsoft Outlook, please check the SunSolve website (http://sunsolve.sun.com/pub-cgi/show.pl?target=patchpage) for the latest information about any required patches.

The installation and deployment is a three-step process.

▼ Installing Connector for Microsoft Outlook

1 Install the administrator package.

2 Create an installation package for the end user.

3 Deploy the installation package.

The Connector for Microsoft Outlook packages ships an installer for the administrator package. The system administrator should prepare a special installation package called the Setup Wizard for the end user. The Setup Wizard installs and configures the Connector for Microsoft Outlook software on your desktop. This installation package is designed to simplify and automate the installation process.

For installation, configuration, and deployment instructions please see the following:

- *Sun Java System Connector for Microsoft Outlook 7 2005Q4 Installation Guide* describes how to install the administrator package.

- *Sun Java System Connector for Microsoft Outlook 7 2005Q4 Administration Guide* describes how to create an installation package for the end user using the Deployment configuration Program.

- *Sun Java System Connector for Microsoft Outlook 7 2005Q4 Deployment Planning Guide* describes the deployment of the Connector for Microsoft Outlook.

Converting Data

One of the optional steps that can be performed during setup and configuration of Connector for Microsoft Outlook is the conversion of data that resides on the desktop. This conversion process is invoked only if the administrator checks the "Convert existing profile" option during the creating of the end user installation package. Please note, this conversion process is not intended to, nor does it replace the need for server-based migration. Sun provides a migration service to help move data and users from an existing Exchange deployment to Sun Java Enterprise System.

LDAP Attributes

In order for Connector for Microsoft Outlook to function correctly, the following LDAP attributes in the Sun Java System Directory Server should be indexed for at least presence and equality to improve the overall performance:

- `icsCalendar`
- `mail`
- `mailalternateaddress`

For more information on these attributes, see the *Sun Java System Calendar Server 6 2005Q4 Administration Guide* and the *Sun Java System Messaging Server 6 2005Q4 Administration Guide*.

Compatibility Issues

This sections describes any compatibility issues that exist in the Connector for Microsoft Outlook.

Sun Java System Calendar Server Considerations

This section describes Sun Java System Calendar Server considerations for the Connector for Microsoft Outlook.

Calendar Server Installation

The latest version of Calendar Server is available at theCollaboration and Communication download site.

It is recommended that customers also install the latest set of patches, which are available at SunSolve.

For detailed installation instructions, refer to the*Sun Java Enterprise System 2005Q4 Installation Guide for UNIX*. For configuration instructions, refer to the*Sun Java System Calendar Server 6 2005Q4 Administration Guide*.

Note – If you are migrating from Calendar Server 5.x to the latest version of Calendar Server, you must run the cs5migrate_recurring utility to convert the database in order to comply with the Connector for Microsoft Outlook data model. Consult technical support for information about the cs5migrate_recurring utility.

Required LDAP mail Attribute

Calendar Server 6 2004Q2 (and later) requires users to have the LDAP mail attribute for both user and resource calendars.

For clients to use Microsoft Outlook to schedule resource calendars (for example, for meeting rooms or equipment such as a notebook computer or overhead projector), each resource must have an email address, even though email is not actually needed. The LDAP mail attribute specifies this email address.

You might specifically need to add the LDAP mail attribute as follows:

5.x Installation. Before you run the cs5migrate_recurring migration utility, add the mail attribute to users for both user and resource calendars. To add the mail attribute, use the Calendar Server csattribute utility or a utility such as the Directory Server ldapmodify utility.

New Installation (6 2004Q2 or later). Provision the LDAP mail attribute for existing users for both user and resource calendars using the Calendar Server csattribute utility or a utility such as the Directory Server ldapmodify utility.

If you create new calendars or users after installation, use the required -m *email* option to specify an email address when you run these Calendar Server utilities:

- csresource utility for new resource calendars
- csuser utility for new users

For related information about csattribute, csresource, and csuser, refer to the *Sun Java System Calendar Server 6 2005Q4 Administration Guide*. For related information about ldapmodify utility, refer to the *Sun Java System Directory Server Resource Kit Tools Reference*.

▼ Adding the email LDAP Attribute to a Resource Calendar

The following example adds the LDAP mail attribute for a conference room named "Room100" on the sesta.com server. This example configures Messaging Server. If you are using another email server, refer to that product's documentation for the equivalent process.

1 **Add the mail attribute to the LDAP server using the** csattribute **utility:**

```
# ./csattribute -a mail=Room100@sesta.com add Room100
```

2 **To check that the attribute has been set, use the** csattribute list **command with the** -v **(verbose) option:**

```
# ./csattribute -v list Room100
...
cn=Room 100,ou=conferenceRooms,dc=sesta,dc=com has mail: Room100@sesta.com
```

▼ Setting up the bitbucket Channel for the Resource Email (Messaging Server)

The following examples sets up the bitbucket channel for Messaging Server for the email generated for resource calendars. This example uses a resource named "Room100" on the sesta.com server. If you don't set up the bitbucket channel (or equivalent), you will need to periodically delete the email messages sent to the resource calendar.

1 **Ensure the** bitbucket **channel is defined in the** imta.cnf **file.**

2 **To direct messages to the** bitbucket **channel, create the email address for the resource using the** csresource **utility:**

```
# ./csattribute -a mail=Room100@bitbucket.sesta.com add Room100
```

Note – To enable these changes, you might also need to rebuild alias tables or configurations. Refer to the documentation for Messaging Server (or your email product) as well as your site's own documentation and procedures regarding changes to mail services.

▼ Setting up the bitbucket Channel for the Resource Email (Sendmail)

The following example sets up the bitbucket channel for Sendmail for the email generated for resource calendars. This example uses a resource named "Room100" on the sesta.com server. If you don't set up the bitbucket channel (or equivalent), you will need to periodically delete the email messages sent to the resource calendar.

1 In the /etc/aliases **file on the appropriate host, add an entry such as:**

```
# Resource/Conference room aliases
Room100: /dev/null
```

2 Add the email address for the resource to the LDAP directory using the csresource **utility:**

```
# ./csattribute -a mail=Room100@sesta.com add Room100
```

Email Alias (mailalternateaddress Attribute)

If you need to setup an email aliases for a calendar user, use the LDAP mailalternateaddress attribute. The LDAP mail attribute provides the primary mail address, and the LDAP mailalternateaddress attribute is used for email aliases. Both attributes map the mail addresses to the user's calendar ID (calid).

For example, to add the mailalternateaddress attribute for a user named John Smith with these values:

- User ID (uid) and calid: johnsmith
- Email address: john.smith@sesta.com
- Email Alias's: johns@sesta.com and jsmith@sesta.com

Use these Calendar Server utility commands:

```
# ./csuser -g John -s Smith -y password -l en -m john.smith@sesta.com
\ -c johnsmith create johnsmith
# ./csattribute -a mailalternateaddress=johns@sesta.com add johnsmith
# ./csattribute -a mailalternateaddress=jsmith@sesta.com add johnsmith
```

Shared Calendar LDAP Lookup Configuration

If Directory Server requires authentication for the Shared Calendar LDAP lookup then the service.wcap.userprefs.ldapproxyauth parameter must be set in the ics.conf file as follows:

- Anonymous binding: service.wcap.userprefs.ldapproxyauth = "no"
- Authenticated proxy binding: service.wcap.userprefs.ldapproxyauth = "yes"

If service.wcap.userprefs.ldapproxyauth is "yes", you must also set the appropriate LDAP ACI for the calmaster entry. For example, to set the calmaster ACI for proxy authentication for the sesta.com domain, use the ldapmodify tool as follows:

```
dn:  o=usergroup
changetype: modify
add: aci
aci: (targetattr="icscalendar || cn || givenName || sn || uid ||
mail")(targetfilter=(objectClass=icscalendaruser))(version 3.0; acl
"Allow calendar administrators to proxy -
product=ics,class=admin,num=2,version=1"; allow (proxy) groupdn =
"ldap:///cn=Calendar Administrators,ou=Groups,o=usergroup";)
```

For the domain basedn node, the following example shows the correct ACI:

```
dn:  o=sesta.com,o=usergroup
changetype: modify
add: aci
aci:(targetattr="icscalendar || cn || givenName || sn || uid || mail")
(targetfilter=(objectClass=icscalendaruser))(version 3.0; acl "Allow
calendar users to read and search other users -
product=ics,class=admin,num=3,version=1"; allow (search,read)
userdn = "ldap:///uid=*, ou=People, o=sesta.com, o=usergroup";)
```

If there is no domain, add this ACI to the root suffix itself by removing the o=sesta.com part on the dn: line.

The Calendar Server configuration program, csconfigurator.sh, adds these ACIs. If you are upgrading from Java Enterprise System Release 1, you must rerun the configuration program to get these updated ACIs.

Outlook Free-Busy Lookup and SSL

The Microsoft Outlook Free/Busy Lookup option is not supported for users who access Calendar Server in SSL mode. To use both SSL and non-SSL mode for the same Calendar Server instance, users must specify different port numbers, as follows:

- **SSL Mode** — To access Calendar Server using SSL, use the SSL port. The default port number is "443" and is set in the ics.conf file by this parameter:

  ```
  service.http.ssl.port = "443"
  ```

- **Non-SSL Mode** — To use the Outlook Free/Busy Lookup option, access Calendar Server using the regular HTTP port. The default port number is "80" and is set in the ics.conf file by this parameter:

  ```
  service.http.port = "80"
  ```

For information about SSL, refer to *Chapter 8, "Configuring SSL," in Sun Java System Calendar Server 6 2005Q4 Administration Guide*.

Calendar Server Delete Log Database

Calendar Server 6 2004Q2 or later includes the Delete Log database (`ics50deletelog.db`) to store deleted events and todos (tasks). For information, refer to Chapter 18, "Administering the Delete Log Database," in *Sun Java System Calendar Server 6 2005Q4 Administration Guide.*

System Folder Mapping Interoperability With Communications Express

While IMAP protocol defines only one system folder for incoming mail (INBOX), mail clients such as Outlook and Sun Java System Communications Express define their own system folders for drafts, sent mail, and deleted mail. The mail clients have no way of distinguishing those folders. These system folders are created by different preferred names and localized names according to locale and client software. This causes multiple physical IMAP folders that are created for a system folder if a single email account is accessed by more than one email client (or same email client, but accessed by a different locale machine).

In Outlook the folder naming is:

- Deleted Items=`Deleted Items`
- Drafts=`Drafts`
- Sent Items=`Sent Items`

In Communications Express the folder naming is:

- Deleted Items=`Trash`
- Drafts=`Drafts`
- Sent Items=`Sent`

Defining the System Folders for Outlook

A new Sun Java System Connector for Microsoft Outlook mail system mapping file is available to provide better interoperability between Outlook and Communications Express. This solution allows the administrator to configure how system folders are mapped. The `uwc_folders.map` file contains the system folder mapping definitions for Communications Express. The `outlook_folders.map` file contains the system folder mapping definitions for Connector for Microsoft Outlook.

You can choose one of the mapping folders files to use as the default system folder mapping definition files in the Deployment Configuration Program (under the Mail tab). Select either **Outlook style** or **Communications Express style** to indicate which of these two standards the user program should use to name users' IMAP folders. Your selection here determines which of two map files, `outlook_folders.map` or `uwc_folders.map`, will be used to map users' IMAP folder names. An administrator may, before running this program, edit these files to suit local requirements, as long as the original filenames remain the same.

Defining the System Folders for Communications Express

Next, the system folders for Communications Express need to be defined. The i18n.js file defines the system folder names for Communications Express. This file is located in the /var/opt/SUNWmsgsr/config/html/ *lang* directory, where *lang* is the specific localized language (for example fr for French). This file needs to be modified so that the mapping entries are similar to the entries in the sjoc_folders.map file.

For example, by default folder mappings in the French i18n.js file are:

```
i18n['INBOX'] = 'Inbox'
i18n['trash folder'] = 'trash'
i18n['draft folder'] = 'draft'
i18n['sent folder'] = 'sent'
...
fldr['INBOX'] = 'French Inbox'
fldr['trash'] = 'French Trash'
fldr['draft folder'] = 'French Draft Folder'
fldr['sent folder'] = 'French Sent Folder'
```

The values for i18n[*x*] are used to create system folders in the IMAP store. For example, if i18n['trash folder']= 'trash', then a folder with folder name trash will be created in the IMAP store. The values for fldr[*y*] are used for displaying the system folder names in the client interface.

In the sjoc_folders.map file, the similar folder mappings are:

```
[fr]
INBOX='Boîte de réception'
Deleted Items='Éléments supprimés'
Drafts='Brouillons'
Sent Items ='Éléments envoyés'
```

So, the French i18n.js folder mappings should be modified to match the sjoc_folders.map file:

```
i18n['INBOX'] = 'Boîte de réception'
i18n['trash folder'] = 'Éléments supprimés'i18n['draft folder'] = 'Brouillons'
i18n['sent folder'] = 'Éléments envoyés'
...
fldr['INBOX'] = 'Boîte de réception'
fldr['trash'] = 'Éléments supprimés'
fldr['Drafts'] = 'Brouillons'
fldr['Sent'] = 'Éléments envoyés'
```

You will need to modify each language represented by a i18n.js file.

Note – Because the i18n.js files are written in UTF8 code, you will need to use and editor that will preserve the UTF8 code.

This new folder mapping definition is only effective for new users.

Before users log into Communications Express, the users' preferred language needs to be set. To do this, set the preferredLanguage or preferredLocale attribute using the ldapmodify command.

New users should see only one set of system folders, except in the following case:

A user logs into Outlook with the locale set to French. Later, the same user logs into Communications Express with the preferred language set to English. This user sees system folders trash, draft, sent, Éléments supprimés, Brouillons, and Éléments envoyés in both Outlook and Communications Express.

LDAP Configuration in Clients

All the client products that are released with Sun Java System Communications Services allow users to search the corporate directory and their own address books. While this does work, some LDAP tuning might improve the user experience.

This section discusses:

- "Setting up International Searches" on page 153
- "Allowing Anonymous Access to the corporate Directory" on page 156
- "Allowing Directory Browsing" on page 156

Setting up International Searches

Whether using Communications Express or Connector for Microsoft Outlook, performing search in your personal contacts or the public address book for a particular string is a locale-specific operation. For example, a French user searching for "Gaelle" expects to get back entries containing the string "Gaelle" but also any entry containing the string "Gaëlle."

The various rules driving the way entries are presented to a user based on locale are called collation rules or collation order. The collation order provides language and cultural-specific information about how the characters of a given language are to be sorted. It identifies things like the sequence of the letters in the alphabet, how to compare letters with accents to letters without accents, and if there are any characters that can be ignored when comparing strings. The collation order also takes into account culture-specific information about a language, such as the direction in which the language is read (left to right, right to left, or up and down).

The Sun Java System Directory Server supports a large variety of locales and collation rules (See "Identifying Supported Locales" in the *Sun Java System Directory Server 5 2005Q1 Administration Reference*). Depending on your user base, you first need to choose the locale that

makes the most sense in your environment. In the following, we will use the English (US) locale (OID = 1.3.6.1.4.1.42.2.27.9.4.34.1) as an example.

To specify which locale to use when performing a search, use the matching rule filter syntax, described in "Searching an Internationalized Directory" in the *Sun Java System Directory Server 5 2005Q1 Administration Reference*. This syntax lets you to specify the locale as well as the type of search (equality, substring, and so on).

For example, the following filter will perform a substring comparison (.6) on the CN attribute, using the English (US) collation rules (1.3.6.1.4.1.42.2.27.9.4.34.1). The filter looks at the CN for strings starting with "Gae"

```
cn:1.3.6.1.4.1.42.2.27.9.4.34.1.6:=Gae*
```

Updating the Indexes

When performing an LDAP search, most performance problems are due to the fact that indexes are not present or are not properly configured. By default, the Directory Server is configured so that lookups issued by Communications Express or by Connector for Microsoft Outlook are indexed and should return in a reasonable amount of time. Nevertheless, the Directory Server is not set up for international searches. So one need to alter the existing indexes so that they take into account the collation rules that have been chosen. This is described in the "Managing Indexes" section in the *Sun Java System Directory Server 5 2005Q1 Administration Guide*.

For example, the CN attribute is indexed by default in the userRoot suffix:

```
# ldapsearch -D "cn=Directory manager" -b
"cn=cn,cn=index,cn=userRoot,cn=ldbm database,cn=plugins,cn=config"
"objectclass=*"
cn=cn,cn=index,cn=userRoot,cn=ldbm database,cn=plugins,cn=config
objectClass=top objectClass=nsIndex
cn=cn
nsSystemIndex=false
nsIndexType=pres
nsIndexType=eq
nsIndexType=sub
```

To enable it for international searches using the English (US) collation rules, add one nsMatchingRule attribute with the English (US) OID. The clients perform substring searches so it is necessary to add the substring suffix (".6") to the OID :

```
#ldapmodify -D "cn=Directory manager"
dn: cn=cn,cn=index,cn=userRoot,cn=ldbm database,
 cn=plugins,cn=config
changetype: modify
add: nsMatchingRule
nsMatchingRule: 1.3.6.1.4.1.42.2.27.9.4.34.1.6
```

> **Note –** Do not add any space, tab, or other non-visible characters at the beginning or at the end of the value.

> **Note –** The nsMatchingRule is a multivalued attribute. Different types of searches for the same OID, or different OIDs can be added.

One must then run the db2index.pl script located under *serverroot*/slapd-instance:

```
# perl db2index.pl -D "cn=Directory Manager" -w \
secret -n userRoot -t cn
```

This operation is run online and may take some time to finish. Alternatively the suffix can be reinitialized. See "Reinitializing a Suffix" in the *Sun Java System Directory Server 5 2005Q1 Administration Guide*.

The console can also be used to add the nsMatchingRule (see the "Managing Indexes" section in the *Sun Java System Directory Server 5 2005Q1 Administration Guide*).

In the following sections, the list of indexes that need to be modified is provided. Ensure that no non-indexed searches are performed. This can be done by looking at the Directory Server access log file (and looking for a notes=U in the search results entries).

Setting up the Search Filter in Communications Express

The search filter used by Communications Express needs to be changed to accommodate the matching rule syntax. This is achieved by enabling the collation rule parameters specified in the db_config.properties file (which resides under *deployed-path*/WEB-INF/ldappstore (for personal store) and *deployed-path*/WEB-INF/corp-dir (for corporate directory).

The parameters are:

```
# Collation Rule
# Uncomment below to apply collation rule

# collation_rule=en-US

# Search Fields for which collation rule should be applied.
# The fields provided here should be disambiguator formatted fields
# e.g. entry/displayname, person/givenname etc.
# Uncomment below to supply the comma-separated fields

# search_fields=entry/displayname
```

Uncomment the *collation_rule* and *search_fields* parameters to enable the collation rule. In order to specify a separate set of field or fields in the search, change the value of *search_fields* to the desired values. The *collation_rule* can contain either the language tag or the OID corresponding to that language (in the example 1.3.6.1.4.1.42.2.27.9.4.34.1) without the suffix specifying the type of search. The Web Container Instance needs to be started after making the change.

The following attributes should be indexed on the LDAP Server for international search against Communications Express:

- `cn` (under the `ou=people/ou=groups` suffix)
- `displayname` (under the `o=piServerDb` suffix)

Allowing Anonymous Access to the corporate Directory

The Connector for Microsoft Outlook can be configured to bind using a DN and password or to bind as anonymous. To enable anonymous access to the corporate directory, add an ACL at the root level of the `ou=people/ou=group` sub-trees.

For example, if the root level is `dc=red,dc=sesta,dc=com`, do the following:

```
#ldapmodify -D "cn=Directory manager"
dn: dc=red,dc=sesta,dc=com
changetype: modify
add: aci
aci: (targetattr != "userPassword")
  (version 3.0;acl "Anonymous access";
  allow (read,compare,search)
  (userdn = "ldap:///anyone");)
```

Allowing Directory Browsing

New in this 7 2005Q4 release, Connector for Microsoft Outlook now allows the end user to browse directories. When bringing up the address book page, the first 10 entries in the directory are shown. The user may then scroll up and down, or type a few characters and see the results automatically refreshed. This is a change from previous versions of Connector for Microsoft Outlook where the user was only able to search for one particular user.

To enable this feature while keeping good performance, the connector relies on two LDAP control extensions called Virtual List View (VLV) and Server Side Sorting of Search Results (RFC 2891). The following ldapsearch example returns the list of supported controls:

```
# ldapsearch -s base "objectclass=*" supportedControl
supportedControl=2.16.840.1.113730.3.4.2
supportedControl=2.16.840.1.113730.3.4.3
supportedControl=2.16.840.1.113730.3.4.4
supportedControl=2.16.840.1.113730.3.4.5
supportedControl=1.2.840.113556.1.4.473  ------> Server Side Sort Control
```

```
supportedControl=2.16.840.1.113730.3.4.9 ------> VLV Control
supportedControl=2.16.840.1.113730.3.4.16
supportedControl=2.16.840.1.113730.3.4.15
supportedControl=2.16.840.1.113730.3.4.17
supportedControl=2.16.840.1.113730.3.4.19
supportedControl=1.3.6.1.4.1.42.2.27.9.5.2
supportedControl=1.3.6.1.4.1.42.2.27.9.5.6
supportedControl=2.16.840.1.113730.3.4.14
supportedControl=1.3.6.1.4.1.1466.29539.12
supportedControl=2.16.840.1.113730.3.4.12
supportedControl=2.16.840.1.113730.3.4.18
supportedControl=2.16.840.1.113730.3.4.13
```

The Sun Java System Directory Server does support both controls. Nevertheless, the VLV control is by default only available to authenticated users:

```
ldapsearch -D "cn=Directory Manager" -b \
"oid=2.16.840.1.113730.3.4.9,cn=features,cn=config" \
"objectclass=*" aci oid=2.16.840.1.113730.3.4.9,cn=features,cn=config \
aci=(targetattr != "aci")(version 3.0; acl "VLV Request Control"; \
allow( read, search, compare, proxy ) userdn = "ldap:///all";)
```

To allow anonymous access to the VLV control, add the corresponding ACI:

```
#ldapmodify -D "cn=Directory Manager" \
dn: oid=2.16.840.1.113730.3.4.9,cn=features,cn=config \
changetype: modify add: aci aci: (targetattr !="aci")\
(version 3.0; acl "VLV Request Control"; allow (compare,read,search) \
userdn = "ldap:///anyone"; )
```

To improve the performance of searches requiring VLV plus Sort, create a Browsing Index in the Directory Server (as described in "Managing Browsing Indexing" in the *Sun Java System Directory Server 5 2005Q1 Administration Guide*). Each Browsing Index is specific to one base DN, search filter, scope, and sorting attribute. The VLV settings can be tuned on the client side using the deployment configuration tool.

In that particular case, a Browsing Index needs to be created for a base dn equal to dc=red,dc=iplanet,dc=com, a filter equal to (&(mail=*)(cn=*)), using a sort on the cn attribute. The Browsing Index information is added into the configuration containing the base dn (in this case userRoot):

```
#ldapmodify -D "cn=Directory Manager"
dn: cn=Browsing red.sesta.com,cn=userRoot,
cn=ldbm database,cn=plugins,cn=config
changetype: add
objectClass: top
objectClass: vlvSearch
cn: Browsing red.sesta.com
```

```
vlvbase: dc=red,dc=sesta,dc=com
vlvscope: 2
vlvfilter: (&(mail=*)(cn=*))
aci: (targetattr="*")
(version 3.0; acl "VLV for Anonymous";
allow (read,search,compare)
userdn="ldap:///anyone";)
dn: cn=Sort by cn, cn=Browsing red.sesta.com,cn=userRoot,
cn=ldbm database,cn=plugins,cn=config
changetype: add
objectClass: top
objectClass: vlvIndex
cn: Sort by cn
vlvSort: cn
```

Next run the vlvindex command located under *serverroot*/slapd-*instance*:

```
# ./vlvindex -n userRoot -T "Sort by cn"
```

Documentation Updates

There are no documentation updates at this time.

Problems Fixed in This Release

The following lists the bugs fixed in Sun Java System Connector for Microsoft Outlook 7 2005Q4:

2107172   Connector for Microsoft Outlook should support Mail and Calendar proxy auth.

2116848   View Message Source does not display anything.

4875157   Need a cancel button to abort downloading of email.

4967870   View Message Source does not display anything.

5022085   LDAP client should be renamed as "Microsoft LDAP provider: Sun Java System LDAP Directory."

5028420   Online help search does not work.

5028541   OpenEntry failed with hr = 0x80040107.

5035442   Alarm not stored in the server for attendee.

5038124   Multi-byte does not auto-select under the Sun Java System LDAP directory.

5038216   "Create/convert vs. install only" checkbox not correctly initialized and saved in deployment configuration wizard.

5038757   Offline mode can change to online mode with blank password.

5047818	Installation failed; log indicates required configuration parameter LDAP Host is missing.
5091363	Send bcc to sender option not working for new profile.
5099266	Calendar event reminder box not checked after Exchange migration.
5108660	Login to Outlook profile with lots of messages in Inbox takes a long time
5109537	Message never sent when sending a large message on a slow connection.
6173626	Alarms are not synching from Communications Expressto Outlook and vice versa.
6180425	Messages saved in Drafts in Outlook lose header information when viewed from other clients.
6183786	Messages sometimes remain in Outbox in Outlook 2000 but are still delivered.
6193123	Changing From: address and choosing Contact address as the From: does not correctly display "On behalf Of."
6194778	Need to be able to share Address Book with another user.
6194896	User would like to be able to share a mail folder using a group name (group of users).
6195481	IMAP provider does not add reference headers.
6197649	Expunge does not work for mail folder other than Inbox.
6199186	Request for a progress bar during startup.
6199964	Message-flag: header not taken into account.
6203173	Sending a message from Excel with check password not enabled causes problems.
6204359	Messages in shared mail folder do not display.
6204495	Cannot open encrypted messages generated by Mozilla.
6206259	Email content in read receipt notification mail on Outlook 2002.
6206392	"Read receipt" doesn't work for individual messages.
6207446	Using Powerpoint to send for Review hangs Outlook when sending to a recipient.
6209895	Duplicated Inbox (English Inbox and Localized "Inbox") folders in non-English Outlook.
6210992	Multiple byte character name IMAP folder is missing in English environment.
6211112	Cannot create profile in Windows (English) when first logging into Windows XP (Japanese) plus Outlook (Japanese).

6211879	Outlook might crash when loosing IMAP+SSL connection.
6212853	Calendar events sometimes lose body content if the content is large.
6212895	Users with a password containing characters other than letters cannot login to address book server using Connector for Microsoft Outlook.
6212963	README title was not translated correctly.
6212973	Contacts lose Notes content if the content is large.
6213093	Sender name does not display properly for messages composed with ISO2022JP in Windows XP (Japanese) with Outlook 2003 (Japanese).
6215104	Japanese translation is not suitable in User Profiles tab.
6215157	Can't view group members when composing messages in Outlook.
6216569	Attachment appears as `Winmail.dat` when attaching a file in a meeting request using Connector for Microsoft Outlook.
6216657	Message not translated in Deployment Configuration Program under German locale.
6217379	Copying a message from local store to IMAP folder causes received date to be changed to current date.
6218593	LDAP filter for Microsoft LDAP connector should be able to be set at install time (on Outlook 2000).
6219391	Add "Do not show this dialog again" for Debugging logging.
6219555	Outlook crashes when creating a calendar appointment with no content.
6221249	Password clearly appears in Connector for Microsoft Outlook log file under some conditions.
6221384	Contacts without email address appearing in the Outlook Address Book user interface.
6221491	EXPUNGE never get called if deleting a contact from an IMAP Contact folder.
6221500	Save changes for a IMAP Contact entry in PST when permissions are not granted.
6222698	Message does not appear when deleted from Inbox then selecting Deleted Items folder.
6224103	If SMTP AUTH is not enabled on the server, and Outlook requires it, mail is indefinitely submitted.
6224510	Build 214 installer displays version as 213.
6224517	Outlook 2000 hangs while downloading messages the first time. No progress bar is displayed.

6224755	Image *picture*`.JPG` appears as *picture*`.JPG.jpg` (case sensitive extension).
6225078	message with content-type application does not show attachment (clip) icon in message list.
6225092	When forwarding a message with `winmail.dat` , the forwarded message contains two winmail.dat attachments.
6225094	Option to empty and resynchronize IMAP folders required.
6226160	Mail stays in the Outbox of Outlook instead of going to the Sent folder.
6226599	When sharing or subscribing to folders in Outlook, the exact user name needs to be provided.
6226607	Need to be able to force synchronization on a per-folder basis.
6227247	Problems with advanced "find" dialog.
6227260	Users should not have to click "find" when searching for addresses.
6227673	Messages composed in Rich Text allow all recipients to see BCC recipients when viewed from Outlook.
6228303	BCC recipients are not saved in Sent Items or Draft folder.
6228571	Incorrect RRULE generated for yearly events.
6228797	Unable to install on Windows XP machine.
6230650	Receiving error "It is not allowed to turn on the transparency flag for a resource."
6230655	Need help handling Error code 81.
6230806	Background HTML is sent as attachment when forwarding messages.
6231629	Installer doesn't check AUTH SMTP check box for newly created Outlook profiles.
6232561	Installation request to have the international searches automated.
6232649	Inserted pictures when forwarded are forwarded as attachments.
6233695	All-day event is 1 hour late when Windows daylight savings is enabled.
6236697	After installation on end-user machine, Outlook hangs at its startup during first attempt (Outlook XP and Outlook 2003).
6236969	Cannot see ACLs for default contact folder after deleting `.pst` file.
6237032	Image in a multipart/related appears as an attachment if content-location is used.
6238069	Shared Contacts name is not displaying for the Shared contacts folder for French or Japanese.
6238386	No follow-up is received for by recipient.

6240786	The Personal address book of a user is not refreshed when a Contact is deleted from the subscribed user.
6241494	When member details of a distribution list is modified and saved, the member is deleted from the distribution list.
6241511	Error occurs when a member is added to distribution list and to contact list from subscribed user.
6241650	Modifying a contact in a distribution list deletes the contact from the distribution list.
6241654	Contact names in distribution list are scrambled after context synchronization.
6242792	Multipart/mixed containing a multipart/report crashes Outlook.
6244760	Some messages are sent with a body where the text is replaced by multiple CRLF (Outlook XP French).
6245292	Moving mail folder from parent to child causes the folders to disappear.
6245704	Powerpoint 2003 crashes after sending mail as an attachment.
624582	Message count is not shown in status bar once background synchronization is performed.
6245822	Message count is not shown in status bar once background synchronization is performed.
6245909	Error code 79 fromCalendar Server is not handled by Connector for Microsoft Outlook.
6246018	Message with outer message/rfc822 not correctly displayed.
6248403	User cannot view the shared tasks of another user.
6248486	Connector for Microsoft Outlook and Communications Express cannot read messages sent from Powerpoint 2000 with "send to mail recipient" menu.
6248556	Outlook XP hangs on startup with preview pane.
6250273	Creating a group and adding a member at the same time does not cause an error to occur.
6251078	Outlook crashes when the Mail Filter page is invoked.
6251878	Invitations created or modified from Outlook should not trigger Calendar Servernotifications.
6252329	Outlook crashes when an offline user attempts to access the mail filter page.
6252818	When the owner deletes a shared folder, the subscriber still sees the shared folder and an error occurs.

6254229	User with read only permission appears to be allowed to delete messages in folder.
6254487	Address book synchronization fails after just one contact.
6254563	Error must occur when creating mail folders with invalid character.
6255167	Option to look up user in directory needed when sharing Contacts.
6255177	Option to look up user in LDAP needed when subscribing to a Contact.
6255241	Cannot delete messages when performing right-click on trash in Outlook.
6255802	Messages with multipart/alternative containing several HTML parts displays the wrong HTML part.
6256553	Auto-preview pane does not work for unread messages.
6258245	Outlook delivers multiple copies of the same message.
6263902	Validation for user typing id of mail and contacts Permission page.
6265019	Allow user entering groupid in Permission page to set mail folder ACL for group.
6265024	Allow user select from GAL to set mail folder group ACL.
6265029	Display "myright" for Permission subscribed mail folder.
6265053	OPEN_IF_EXISTS flag in MAPI call Folder create not correctly handled.
6266400	When member is added to shared contact and distribution list from subscribed user, member added to address book.
6268493	Access Control Entries added are not effective when used in conjunction with Communications Express.
6268850	Cannot view messages in Unread Mail folder.
6270259	Mail folder errors due to folder name case insensitive matching rule.
6272767	Mail filter loops if there is an error in retrieving ACLs on a folder.
6273022	MAPI clients such as activesync or msn desktop crash Outlook when synchronization occurs.
6273699	Version number out of sync in the installer.
6275910	When composing a new message, the View→Message Source menu item should be disabled.
6276394	Installer should set Global Address List in the list of searchable address books.
6276400	Menu option "change this folder to contain" is too small.
6276410	Change this folder type pull-down items are not correctly translated in French.

6276443	Unnecessary warning "LDAP - 'User preference search base', must contain a value" when creating package.
6277792	Invitee receives meeting mail which mostly shows the conflict with another nonexistent meeting.
6278081	Allow Vacation Message heading to be customizable.
6279093	Progress bar displays after selecting IMAP folder soon after login, but no progress is shown.
6279482	GAL does not take into account timeout parameter.
6279945	Should not allow "user select group" for Permission page of Calendar and Contacts.
6281352	After synchronization of address book, group (from GAL) which was added to address book is deleted.
6281399	Error message displays when a user is searched in the Global Address List on Outlook 2003.
6281406	GAL becomes unusable.
6281573	Bringing up first page of the GAL causes too many LDAP searches.
6281588	Viewing the details of a GAL entry results in duplicate LDAP search.
6283869	GAL does not gracefully handle lost connection.
6283887	User interface issues.
6284476	When distribution list is modified by adding group from GAL, the group is deleted after synchronization.
6285121	Option "Maximum number of search results returned" in LDAP tab does not work.
6286602	Unable to open the deployment configuration program on non-English operating system.
6286892	If package creation is cancelled, Deployment Configuration Program continues to create.
6287943	Shared contacts modification from subscriber not reflected in provider's address book.
6289293	Error: "CABContainer::GetProps MAPI_E_NO_SUPPORT" seen in Outlook XP.
6291418	`admin.exe` does not use or launch localized user interface.
6292161	Accessing mail filters takes a long time.
6292223	Crash in background sync.

6292270	Installer does not upgrade old version.
6292283	Random crash in GAL code.
6293214	Saving GAL entry to local contacts folder does not synchronize correctly in Outlook 2000.
6293388	Outlook crashes, if empty string is given to GAL Advanced Search (Find).
6293962	resolvename fails when called from Outlook and only one match is found.
6294291	Installer doesn't follow installation rights for restricted user login.
6294295	GAL should not work in offline mode.
6294360	When typing non-ASCII characters in GAL browser window, index moves to the entry after the match.
6294688	Two vcard attachments are shown i n Outlook when receiving a message from Communications Express with vcard.
6294698	Response time slow and errors exist when entering single character into To field.
6294835	Silent mode created profile does not work.
6295195	Options under "User .pst→IMAP/POP profile setting" are confusing.
6295258	Outlook hangs while opening a folder while Google desktop is fetching info in the background.
6295739	`Outlook.exe` randomly crashes.
6298656	Profile conversion on Outlook XP results in corrupt profile.
6301175	Sort by message size does not work under certain circumstances.
6301748	Cannot set message as unread when starting in offline mode.
6302626	Drag and drop from PST of a contact results in wrong email address.
6304343	No help file associated with Deployment Configuration Program.
6305421	Outlook crashes when adding an LDAP group from GAL.
6305480	Bug report should correctly spell system information.
6306813	`Contacts.html` is missing for all languages.
6306818	Label for VLV sort attribute is corrupted for Japanese.
6306841	Dialog for Login Address Book Server is unusual in Japanese.
6306846	Smaller font on Global Address List tab (Japanese).
6306918	Email displayed twice when third party software plugs into Outlook.

6309549   Japanese characters cannot be displayed on Global Access List tab.

Known Limitations and Issues

This section describes the limitations and known issues that exist in this release of Sun Java System Connector for Microsoft Outlook.

Limitations

Some limitations exist in this release of Sun Java System Connector for Microsoft Outlook. The key limitations are:

- Every distinct identity in the Directory Server (for example, users, resources, conference rooms) must have an email address. For more information, see "Required LDAP mail Attribute" on page 147

- Arbitrary attachments in calendar events are not stored back in the server.

- Rich text in the appointment and meeting description field is lost once the same calendar event is modified in the Communications Express client.

- Message recall functionality is not available.

- Description of events is not available when checking availability.

- Sub-folders created under the default calendar folder are locally stored. The primary default calendar folder and other calendar folders are stored on the server.

- Free/Busy lookup does not display TENTATIVE or OUT-OF-OFFICE color coding.

- The properties for Sun Java System Connector for Microsoft Outlook cannot be modified using the Tools→Services option from the Outlook menu. To modify the properties:

  1. Exit Outlook.

  2. Right click the Outlook icon and select Properties.

     The Properties dialog appears.

  3. Select Folders - < *your user name*> from the list of services.

  4. Click Properties.

- Free/busy lookup using SSL is not supported. See "Outlook Free-Busy Lookup and SSL" on page 150

- Installing Sun Java System Connector for Microsoft Outlook on Exchange servers is not supported.

- The installer will not run if Outlook is in Internet Mode. In Outlook 2000, the Internet Mail Only mode can contain both a POP and IMAP profile. Those profiles are not upgraded or converted in to the Connector for Microsoft Outlook 7 2005Q4 version.

- Recurring tasks are not supported.

- Offline limitations:

- During an offline session, if any item in a Calendar, Task, mail, or Contact folder is modified using Outlook, and then another client on the server is used to modify the same item, the changes made offline are lost when the user returns to online mode in Outlook. The changes made by the other client on the server remain.

- When creating a new event in offline mode, the invitation is saved to the user's Outbox. If, while still in offline mode, the user opens the invitation, the invitation disappears from the Outbox once it is closed.

Known Issues

This section describes the known issues at the time of this release of Sun Java System Connector for Microsoft Outlook. If known, bug IDs are included in parentheses.

The categories of issues discussed in this section are:

General

For converting or creating a user profile in silent installation mode, it is mandatory to have a default profile. (4938665)

User unable to open Outlook for the first time without administrative rights. (5053786)

If previously converted user profiles exist, the Deployment Configuration Program will not create a new profile when the "Convert/Upgrade or create" option is selected in the User Profiles tab. The administrator must create a profile using the "Create new user profiles without conversion/upgrade" option. (5107345)

Contacts forwarded as attachments are not saved in the Contacts folder (Outlook 2000). (6212865)

Using the web tool bar crashes Outlook. (6214643)

Installation and Upgrade

Unable to install if Outlook is upgraded. (6253840 and 6254598)

If a user with a current Connector for Microsoft Outlook profile upgrades Outlook XP, the existing profile fails to open. Attempting to install a fresh profile also fails.

Workaround: When the Outlook version is upgraded or changed, please uninstall and reinstall Connector for Microsoft Outlook.

Upgrade defaults to previous servers and ports.

When upgrading from the Connector for Microsoft Outlook 6 2004Q2 version to the Connector for Microsoft Outlook 7 2005Q4 version, if the server names and port numbers have changed, the upgrade only takes into consideration the old server names and port numbers.

Communications Express Interoperability

The following issues relate to the interoperability between Sun Java System Connector for Microsoft Outlook and Sun Java System Communications Express:

Address change in From: header. (4949659)

The name in the From: header changes if an attendee replies to an event invitation and attaches the `winmail.dat` calendar invitation. For example, Joe (using Outlook) sends an invitation to an event to Bob. Bob replies to Joe, using an email client that automatically sends the original `winmail.dat` calendar attachment back to Joe. When Joe opens the reply, the From: header is changed to Joe.

Email ID is a must for Outlook. (4969029)

If a person with a calendar ID but no email ID is invited to an event in Communications Express, this person is not displayed as an attendee in Outlook. An email ID is required for Outlook.

Unsubscribing to a calendar does not remove the calendar from the folder list. (5032872)

If you subscribe to or unsubscribe from a calendar in Communications Express, the information is updated in Outlook only after Outlook has been restarted. Additionally, if the LDAP configured for lookup is a replica, the subscription list is not updated until the replica is updated.

Error generated when Outlook synchronizes with server. (6175103)

If a task is created (either in Outlook or Communications Express) while Outlook is synched with the server, then the task is deleted and the user attempts to switch to the Tasks folder in Outlook, an "Unable to display all cells due to low memory" error is generated. As a workaround, switch to another folder and then back again to the Tasks folder.

Configuration parameter needs to be set in order for address book server contacts to be properly synchronized. (6229276)

The Communications Express configuration parameter `delete_perm` in the `db_config.properties` file needs to be set to false in order for Outlook to capture contact entries which have been deleted from Communications Express. The entry should be:

`delete_perm=false`

The default is true. The entry can be found at `/var/opt/SUNWuwc/WEB-INF/config/ldapstore/db_config.properties`.

Folders with the same name but different case cannot both be displayed. Only one folder is displayed. (6268483)

If a user creates a folder in Outlook (for example, `TEST`) and then later in Communications Express creates a folder with the same name but different case (for example, `Test`) only the first folder created (`TEST`) is displayed in Connector for Microsoft Outlook.

If the user then deletes the existing folder `TEST` in Communications Express and keeps (or creates) the folder of the same name but different case (`Test`), when the user first logs onto Outlook, the folder `TEST` is deleted but the folder `Test` is not shown until the user exits and logs back into Outlook.

The following are additional issues related to Communications Express interoperability that do not have bug ids:

- RTF formatting in Outlook is not preserved if the description text is edited using Communications Express.

- Differences exist in privacy classes between Outlook and Communications Express.

  Outlook has two privacy classes (Private and Public), while Communications Express has three classes (private, Date and Time only, and Public). In Outlook, a private event is created as a "Date and Time only" event in Communications Express. A public event in Outlook maps to the public event in Communications Express. Similarly, a Communications Express "Date and Time Only" event maps as a private event in Outlook, and a public event maps as a public event in Outlook. A Communications Express private event also maps to Outlook as a private event. To create a private event in Outlook so it appears as a private event in Communications Express, select "Free" from the "Show time as:" field. The Communications Express private event cannot be seen in a shared Calendar folder by another user.

- There are differences in the way free/busy is implemented in Outlook and Communications Express.

  The default private event is free in Communications Express. If the event is to be included for free/busy lookup, then it should manually be set to busy. In Outlook the default events are busy for both private and public events.

- If you export an event from Communications Express to a file in Outlook format, you cannot import the event from the same file into Outlook.

- Incompatibilities exist in how recurring tasks are implemented in Outlook and Communications Express.

  Recurring tasks in Outlook do not conform to RFC 2445 while Communications Express is specifically designed to work with RFC 2445-compliant information. This causes problems when recurring task information is passed between Outlook and Calendar Server.

  Information stored locally by Outlook does not always match information which is stored on the Calendar Server. Sun Java System Connector for Microsoft Outlook, for example, does not transfer any information dealing with the recurrence of a task to the Calendar Server. Any tasks created in Outlook (recurring or non-recurring) appears in Communications Express as single tasks. A task that is created in Communications Express only uses the recurring information from the Calendar Server when that task is written for the first time in the Outlook client and not during any modification of any existing task on Outlook.

  For these reasons, recurring tasks viewed in Outlook and tasks viewed in Communications Express appear different in many cases. We recommend that users who work with recurring tasks choose either Outlook or Communications Express and not attempt to work with recurring tasks in both clients interchangeably.

- If a message is sent from Outlook in Rich Text format, the message contains a plain text body with no formatting and a `WINMAIL.DAT` attachment.

  The `WINMAIL.DAT` attachment contains the Rich Text message along with any other attachments that may have been added. Because the format is Microsoft proprietary, only Outlook can read the `WINMAIL.DAT` attachment. Communications Express (and any other client) sees only the unformatted text message and a `WINMAIL.DAT` attachment. It is recommended that HTML format be used instead of Rich Text format to send messages.

- If contacts groups in Outlook contain external SMTP mail recipients or other contacts groups, they are not seen by Communications Express. Communications Express cannot send mail to these recipients.

- Outlook saves calendar events and tasks (any calendar folder not under the Calendar folder tree), contacts (any contacts folder not under the Contacts folder tree), notes, and journals in the Messaging Server. Because the data is saved as Microsoft TNEF format, Communications Express cannot decode and correctly display them.

Microsoft Exchange Interoperability

The following issues relate to the interoperability between Sun Java System and Microsoft Exchange:

Free Busy Proxy for Exchange does not return complete Free/Busy information. (6174201)

Tab is inserted within a long subject. (6194768)

If a message from an Exchange server is sent to a server using Connector for Microsoft Outlook and Sun Java System Messaging Server with an exceedingly long subject, the message is sent with a tab inserted within the subject line.

Rules are not working correctly. (6200399)

Email filters (rules) which are created using LDAP GAL entries do not work in Outlook 2000. If the same procedure with an Exchange profile (adding an LDAP GAL and using one of the LDAP entries directly in a mail filter/rule) shows the same results in the Exchange profile. That is, in Outlook 2000, the filter will not work. In Outlook XP (and Outlook 2003), the filter does work.

As a workaround, add to your personal address book any contacts that you want to use in an email filter/rule. Then, use the local contact in the rule instead of the LDAP entry.

Rules from people or distribution lists do not work. (6203018)

If a distribution list from a personal address book (in the contacts folder) is added to an email rule/filter, a dialog from the rules wizard appears asking if the distribution list should be expanded. The rules/filter requires that the rule contain the expanded list of email addresses. If an LDAP group (from an LDAP GAL) is added to a rule/filter, the rules wizard does *not* ask to expand the group and simply uses the email address of the group itself. Rules which are created using LDAP groups *do not* work. This same behavior can be observed in profiles which connect to Exchange (and which have LDAP directories configured as services).

As a workaround, add the individual group members to your personal address book and use them in the email filter.

Cannot recover deleted items. (6255190)

After selecting "Empty Deleted Items Folder," Connector for Microsoft Outlook does not allow for recovery of deleted items.

Receipt of a message with embedded OLE objects and HTML in RTF from Exchange (versions 5.5, 2000, and 2003) to Connector for Microsoft Outlook does not work.

Calendar

The following issues relate the calendar portion of Sun Java System Connector for Microsoft Outlook only:

Creating a new calendar profile brings up the old calendar reminders. (5104189)

When you logging in for the first time to a newly created calendar profile in Outlook that is set to your default Calendar Server, Outlook alarms pop up for old events as well as for future events.

Names of subscribed calendars not visible in Calendar view. (6190293)

When you first subscribe to a calendar, the calendar name is labeled as "Calendar", not the name of the subscribed calendar. To see the name of the subscribed calendar, log off Outlook and then log back into Outlook. The subscribed calendar's name should be displayed.

Opening a shared calendar link does not hook into subscription (Outlook 2003). (6292026)

In Outlook 2003, clicking the calendar icon at the bottom of the left pane, displays the calendar view. Within that calendar view, clicking "Open a Shared Calendar" displays a dialog that allows the user to enter the user name of a shared calendar. When the user name of a known shared calendar is entered, the error "Unable to display the folder. Your profile is not configured to support this operation for this user." is displayed. This occurs also with contacts and tasks.

As a workaround, to view a shared calendar, select the shared calendar folder in the folders list.

The following are additional issues related to the calendar portion of Connector for Microsoft Outlook that do not have bug ids:

- If delegate accepts or declines an invitation from the organizer's Shared Inbox, the calendar event is added to delegate's calendar, but not to the organizer's calendar.

- Microsoft TNEF messages are sent when sending calendar attachments. iTIP and iMIP calendar attachments are not supported.

- All Day events may become a non-All Day events (one event scheduled from 12:00am until 12:00pm) if the desktop time zone is different from the Calendar Server calendar time zone.

- When creating an invitation from Outlook, if an error occurs when saving it to Calendar Server, the invitation is still sent by Outlook.

- If a recurring event is created by Outlook with no end date, it will be saved internally in the Calendar Server with a finite number of occurrences.

  Also, free/busy information is only kept up to the number of occurrences kept in the Calendar Server. For example, if you create a daily recurring event at 10:00 am in Outlook and the Calendar Server only keeps up to 60 repeating events, on day 61 the event still appear on Outlook but the 10:00 am time appears as "free" when calculating availability.

- Changing permissions of a calendar requires restarting Outlook for the new permission setting to take effect for the Calendar folder in the Shared Calendar.

- Tasks displayed in Shared Calendars are the login user's tasks, not the subscribed user's tasks. The calendar view always shows the login user's tasks.

- If you create a recurring invitation in Outlook, but delete a single instance of that event, the recipients (attendees) will not see the deleted invitation if Calendar Server has not processed the initial recurring invitation before the deletion.

Mail

The following issues relate the mail portion of Sun Java System Connector for Microsoft Outlook only:

Saving attached files inside a forwarded message. (4946488)

When an attachment is received as part of a forwarded message, the attachment cannot be saved after double-clicking on the attachment. To save the attachment, right-click on the attachment, then chose "Save As."

If a user's mailbox contains over 16,000 messages in the inbox, Outlook does not download all messages. (5099436)

The "Large Table" support flag must be manually set. To do this:

1. Open the Folders Properties dialog by right-clicking on "Folders - *your user name*" and select Properties for "Folders - *your user name.*"
2. In the Folder Properties dialog, click **Advanced...**
3. Select the Advanced tab in the Sun Java System Connector for Microsoft Outlook dialog.
4. Click the Personal Folders button and check the box next to "Allow upgrade to large tables" in the Personal Folders dialog.
5. Click OK to all open dialogs and restart Outlook.

Cannot move a message resulting from a search to another folder. (6227085)

In Outlook XP, if a user searches for a message and then attempts to move a message resulting from that search to another folder, an error occurs.

Outlook 2003 Junk Mail Filter does not work. (6312677)

The "Junk Email" feature available in Outlook 2003 (select Tools→Option) does not function with Connector for Microsoft Outlook. Senders that are set to be filtered using this tool are not filtered. As a workaround, use the Tools→Mail Filter option.

Address Book Issues

The following issues relate to the Address Book portion of the Sun Java System Connector for Microsoft Outlook.

Deleting a contact from Communications Express does not delete it from Outlook. (6225049)

The Communications Express configuration parameter `delete_perm` in the `db_config.properties` file needs to be set to false in order for Outlook to capture contact entries which have been deleted from Communications Express. The entry should be:

```
delete_perm=false
```

The default is true. The entry can be found at
`/var/opt/SUNWuwc/WEB-INF/config/ldapstore/db_config.properties`.

Shared contact not removed from Address Book after unsubscribing. (6267180)

After unsubscribing to a shared contact, it is not removed from the "Show Names from the" list of the Address Book. Two workarounds exist:

- If the subscribed contact has been added to the "Show Names from the" list of the Address Book," the user should uncheck the "Show this folder as an email Address Book" option from the "Outlook Address Book" property page before unsubscribing from the contact.
- Remove the contact directly from the address book properties.

    In Outlook XP:

    1. Select Tools>Email account.
    2. Then choose "View or change existing directories or address books." and select "Microsoft Outlook Address Book" to change.
    3. Select the item to remove from your address book.

    In Outlook 2000:

    1. Select Tools>Services..., from the Outlook menu.

       The Services window is displayed.
    2. Select the "Services" tab.
    3. Select "Outlook Address Book" from the list of services set up in your profile and click "Properties."

       The Microsoft Outlook Address Book properties window is displayed.
    4. Select the item to remove from your address book and click Close.

    Note that user must logout and logon again to take the effect.

Login to Address Book Server fails if the proxy configured in the default web browser is down (6315910).

Localization Issues

The following issues affect the localized versions of Sun Java System Connector for Microsoft Outlook:

Localized online help on Windows machines may contain one or more issues in the following areas (5035363, 5031913, 5028387, 5028413, 5034886):

- Index list is not sorted in localized languages.

- Online help context search using non-English words is difficult.

Installer for the Deployment Configuration Program is not localized. Some of the installation panels for the Connector for Microsoft Outlook are also in English (5028359).

Unrecognized characters appear while entering a Korean full name in the Korean Connector for Microsoft Outlook installation panel (5028453).

Log file may contain unrecognized characters (5033783).

"Contacts" is garbled (6212970).

In the "Select members" window, the item "Contacts" in the "Show names for the" combo box is garbled (Japanese and Chinese versions of Outlook 2003 on Windows XP).

Japanese characters garbled when printing from configuration program (6309420).

If Japanese characters are included at printing from the Deployment Configuration Program, they are garbled.

Description of some buttons missing in Setup Wizard (6309494).

In the Traditional Chinese version, some words as button labels are missing in the description part of the Setup Wizard panels ("Next," "Install," "Back," and "Cancel").

Setup Wizard dialog corrupted (6309523).

The Setup Wizard dialog in the Outlook 2000 on Windows 2000 Japanese and Chinese versions is corrupted for "Sun Communication Server."

Cannot find profile if profile name is in Japanese (6310160).

If a profile is in Japanese, the conversion fails (Outlook 2003 on Windows 2003).

Outlook does not start when profile is manually created (6310190).

After creating a profile manually, Outlook cannot start with this profile. The error message "Sun Java System Connector for Microsoft Outlook error" is displayed.

Cannot convert IMAP profile name in Japanese (6313321).

If an IMAP profile already exists, and this profile has never been used by Outlook, the conversion fails.

Redistributable Files

Connector for Microsoft Outlook does not use any redistributable files.

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