Sun Java™ System Calendar Server Release Notes for HP-UX

Version 6 2005Q4

Part Number 819-4250-10

These Release Notes contain important information available at the time of release of Sun Java System Calendar Server 6 2005Q4 for HP-UX. Known issues and limitations, and other information are addressed here. Read this document before you begin using Calendar Server 6 2005Q4.

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/app/docs/prod/entsys.05q4`. 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:

- Release Notes Revision History
- About Calendar Server Version 6 2005Q4
- Bugs Fixed in This Release
- Important Information
- Known Issues and Limitations
- Redistributable Files
- Communications Express
- How to Report Problems and Provide Feedback
- Additional Sun Resources

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

Sun Java™ System Calendar Server was formerly Sun™ ONE Calendar Server.

Release Notes Revision History

Table 1   Revision History

Date	Description of Changes
February 2006	Revenue release.
November 2005	Beta release.

About Calendar Server Version 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.

Calendar Server offers two graphical user interfaces, Calendar Express and 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.

This section includes:

- What's New in This Release
- Hardware and Software Requirements

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. For information, see the Delegated Administrator Release Notes chapter of this book and other documentation found at `http://docs.sun.com`.

- 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 at 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.

Hardware and Software Requirements

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

- Hardware Requirements and Recommendations
- Software Requirements and Recommendations

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.

Hardware Requirements and Recommendations

- Approximately 500 Mbytes of disk space for typical installation. For production systems, at least 1 Gbytes.

- 128 Mbytes of RAM. For production systems, 256 Mbytes to 1 Gbytes for best performance.

- RAID storage for fast access (recommended for large databases).

Software Requirements and Recommendations

- Supported Software Platforms

- Recommended Browsers for Client Computers

Supported Software Platforms

HP-UX 11i v1 (PA-RISC)

Recommended Browsers for Client Computers

Sun Java System Calendar Express 6 2005Q4 requires a JavaScript-enabled browser. For optimal performance, the following browsers are recommended:

Table 2   Recommended Browser Versions for Calendar Server 6

Browser	HP-UX
Netscape™ Communicator	7.1, 7.2
Microsoft Internet Explorer	6.0
Mozilla	1.4.1, 1.72

Bugs Fixed in This Release

The table below describes the bugs fixed in Sun Java System Calendar Express 6 2005Q4:

Table 3   Fixed Bugs in Sun Java System Calendar Server 2005Q4

Bug Number	Description
6355152	Cal6.2: csdwpd service core file generated

Important Information

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

- "Front-End and Back-End Machines and Operating Systems" on page 5
- "HP-UX Platform Support" on page 5
- "OS Patches" on page 6

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.

For more information about installing Calendar Server on front-end and back-end machines, see the *Sun Java System Calendar Server 6 20004Q4Administration Guide* at:

> http://docs.sun.com/app/docs/doc/819-2433.

HP-UX Platform Support

Java Enterprise System runs on the HP-UX platform. The default installation locations are listed for the following:

- Calendar Server

- Communications Express

Calendar Server

The following table provides the directory path details for Calendar Server:

Table 4   Directory Path details on HP-UX Platforms

HP-UX Directory
/opt/sun/calendar
/etc/opt/sun/calendar/config
/var/opt/sun/calendar

Communications Express

The default installation location in HP-UX for Communications Express is:

/opt/sun/uwc

OS Patches

You must apply the required operating system patches before installing Calendar Server 6 2005Q4. Calendar Server Patches are available at http://sunsolve.sun.com.

Required Privileges

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

Upgrading From an Earlier Version of Calendar Server 6

Do not attempt to upgrade Calendar Server using the Sun Java Enterprise System installer.

Patch Requirement Information

The following table gives the numbers and minimum versions for the alignment patches. All patches referred to in this section are the minimum version number required for upgrade. It is possible that a new version of the patch has been issued since this document was published. A newer version is indicated by a different version number at the end of the patch. For example: 123456-04 is a newer version of 123456-02 but they are the same patch ID. Refer to the README file for each patch listed for special instructions.

To access the patches, go to http://sunsolve.sun.com.

Table 5 Calendar Server 6 2005Q4 Alignment Patches Required for HP-UX

Patch Number	Patch Description
121393-01	HP-UX 11.11: Sun Java™ System Directory Server 5 2005Q4
121931-01	HP-UX 11.11: Sun Java™ System Directory Server 5 2005Q4 (Localization Patch)
121513-01	HP-UX 11.11: Directory Preparation Tool
121512-02	HP-UX 11.11: Sun Java™ System Calendar Server 6 2005Q4
121937-01	HP-UX 11.11: Lockhart Localization patch

For detailed information about Upgrade procedure of the Calendar Server from JES3 to JES4 refer *Sun Java Enterprise System 2005Q4 Upgrade Guide for HP-UX* located at http://docs.sun.com/app/docs/doc/819-4460.

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

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Java Enterprise System Installer

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.

This section covers the following topics:

- Default Installation Directory
- HP-UX Depot Files

Default Installation Directory

The default installation directory (`cal_svr_base`) for HP-UX packages (for core and API) is:

`/opt/sun`

After installation, HP-UX Calendar Server files are found in `/opt/sun/calendar`.

HP-UX Depot Files

The table below lists the Depot packages for the various Calendar Server related components.

Table 6   HP-UX Depot packages for Calendar Server Related Components

Component	Depot File
Calendar Server	• sun-calendar-core
	• sun-calendar-api
	• Localized files: sun-calendar-core-es sun-calendar-core-ko sun-calendar-core-fr sun-calendar-core-zh_CH sun-calendar-core-de sun-calendar-core-ja sun-calendar-core-zh_TW
Communications Express	sun-uwc-de sun-uwc-es sun-uwc-fr sun-uwc-ja sun-uwc-ko sun-uwc-zh_tw sun-uwc-zh_ch

Post-Installation Configuration Steps

After installing Calendar Server 6 2005Q1, 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 Utilities

For Java Enterprise System Release 3, Calendar Server provides the links for HP-UX locations shown in the table below.

Table 7   Directory Locations

File Names	HP-UX 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/sun/calendar/sbin
Migration utilities: csmig, csvdmig, ics2migrate and cs5migrate	
Scripts: icsasm, legbackup.sh, legrestore.sh, and private2public.pl	
Administrator utilities: csstart and csstop	/opt/sun/calendar/lib
Configuration files: ics.conf, version.conf, counter.conf, and sslpassword.conf	/opt/sun/calendar/config-template
LDAP server update files: 60iplanet-calendar.ldif, ics50-schema.conf, and um50-common-schema.conf	
Mail formatting (*.fmt) files	/etc/opt/sun/calendar/config/language
Schema IDIF 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	/etc/opt/sun/calendar/config/schema
Library (.sl) files	/opt/sun/calendar/lib
SSL utilities: certutil and modutil	
Session database	/opt/sun/calendar/lib/http
timezones.ics file	/opt/sun/calendar/data
Counter statistics files: counter and counter.dbstat	/opt/sun/calendar/lib/counter

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

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.

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

1. Enable calendar searches of the LDAP directory server by making sure the following parameter in the `ics.conf` file is set to "yes":

   `service.calendarsearch.ldap = "yes"` (*Default*)

2. 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.

Tests have shown that with 60,000 entries, the above search took about 50-55 seconds without indexing `icsCalendarOwned`. After indexing, the above search took only about 1-2 seconds.

For more information about adding directory server indexes, refer to the *Sun Java System Directory Server 5 2005Q4* documentation at:

http://docs.sun.com/app/docs/coll/1316.1.

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*)(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.

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

The issue with Schema 1 in Communications Express is:

- 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 Utility and Calendar Server utilities. For information on Delegated Administrator, see the *Sun Java System Communications Services 6 2005Q4 Delegated Administrator Guide*. For information on the Calendar Server utilities, see the *Sun Java System Calendar Server 6 2005Q4 Administration Guide*.

NOTE	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.

Calendar Server 6 Documentation

Calendar Server 6 includes the following documentation. Part numbers are in parentheses.

- *Sun Java System Calendar Server 6 2005Q4 Release Notes* (819-4250)

- *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* (819-2611)

- *Sun Java System Communications Express 6 2005Q4 Customization Guide* (819-2662)

- *Sun Java System Communications Services 6 2005 Q4 Delegated Administration Guide (819-2658)*

- *Sun Java System Communications Services 6 2005Q4 Schema Reference* (819-2657)

- *Sun Java System Communications Services 6 2005Q4 Event Notification Service Guide* (819-2699)

- *Sun Java Enterprise System 2005Q4 Upgrade Guide for HP-UX (819-4460)*

Calendar Express 6 2005Q4 Online Help is available with the Calendar Express software. Communications Express 6 2005Q4 Online Help is available with the Communications Express software.

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

http://docs.sun.com/app/docs/coll/1313.1.

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.

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

Compatibility Issues

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

Table 8   Compatibility Issues

Incompatibility	Impact	Comments
Access Manager now has two install types: Enhanced and Compatible.	At installation, you must choose Compatible 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/sun/calender/sbin` doesn't work.	`comm_dssetup.pl` is now in its own package installed in HP-UX `/opt/sun/comms/comcli/dssetup/bin` for Solaris	To install the package, be sure the Directory Preparation Tool is selected in the appropriate installer panel.

Table 8   Compatibility Issues

Incompatibility	Impact	Comments
The configuration program for the Delegated Administrator has changed	Install Delegated Administrator and run the configuration program. The current program is located for HP-UX at: `/opt/sun/comms/comcli/sbin/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.

Known Issues and Limitations

This section describes the known issues and limitations of Sun Java System Calendar Server 6 2005Q4 for HP-UX.

The following topics are the known issues and limitations:

- Installation

- Security

- Limitations

- Reported Problems

- Services

Installation

Calendar Server installation fails in absence of nobody user and nobody group in the system (6290338)

Calendar Server installation fails if user nobody and group nobody is not available in the system.

Workaround

The system administrator has to create the following before installing Calendar Server using Java Enterprise System installer:

- new group as nobody

    command to execute: `groupadd nobody`

- new user as nobody

    command to execute: `useradd -g nobody nobody`

Security

Calendar DB files are created with the wrong permissions (6291250)

Anyone with access to the system has the potential to view private calendars and events due to wrong permissions.

Workaround

To overcome this security issue,

1. Install the Calendar Server using Java Enterprise System installer.

2. Once the installation succeeds, execute "umask 022."

3. Run the Calendar Server configurator.

Calendar server log files world writeable by default (6291057)

Log files are created in the wrong mode 644 or 640, instead of mode 666.

Workaround

To overcome this security issue,

1. Install the Calendar Server using Java Enterprise System installer.

2. Once the installation succeeds, execute "umask 022."

3. Run the Calendar Server configurator.

Limitations

The following section topics are the limitations:

- "Removing all Instances of Multi-Valued User Preferences"

- "Finding Installed Patches in a Clustered Environment"

- "Pop-up Blockers"

- • "Provisioning Users for Communications Express in Schema 1 Mode"

- • "Multiple Domains (Hosted Domains)"

Removing all Instances of Multi-Valued User Preferences

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.

For example: Perform a get_userprefs to list all of the user preferences. If there are multiple values for a preference, such as 1csSubscribed, 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

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

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

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

Workaround: Enable the user using ldapmodify.

Multiple Domains (Hosted Domains)

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 "Setting up Hosted Domains" and "*Administering Hosted Domains*" in the *Sun Java System Calendar Server62005Q4 Administration Guide.*

Reported Problems

The following is a list of problems reported on the product as of Beta.

Table 9   Reported Problems

Bug ID	Problems
4526765	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.
4958242	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	SSL initialization fails in SSLv2 mode. Unable to make use of SSLv2 client.
5060833	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	Hot backup log file not being purged per ics.conf settings as other log files are. To keep file to a minimum, decrease verbosity. (verbosity level 3 is the default).
6186298	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.
6216869	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.

Table 9 Reported Problems

6216877	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	Leading white space stripped from description field when stored in calendar server.
6219906	In virtual domain mode, if `maillookup` is configured in the `ics.conf`file, a WCAP error is returned. Fixed in patch 1. Fix: In virtual domain mode, `maillookup` is ignored in favor of `ugldap` in the `ics.conf` file.
	Workaround
	Comment out the maillookup parameters in the `ics.conf` file.
6221452	SSL can not be enabled or disabled on individual hosted domains. (RFE)
6221999	The error messages given by csdomain are vague and need to be more explicit.
6265287	Trusted circle SSO fails when authentication filter is configured in calendar.
6269721	`csresource -k` option defaults differently depending on if you include it blank or just omit it.
6269822	Incorrect default ACE listed for resources in csresource merge.
6274603	External organizers get one reply per instance for recurring events when the attendee accepts all.
6274607	`Import` command puts in wrong organizer email address if organizer is external.
6274892	`cscal -v` list does not work.
6275605	`csstored.pl` not reporting warnings when there are more than two log files in the live calendar database.
6277086	Need a way to turn off `local.user.authfilter` for proxy authentication.
6355890	CSHTTPS hangs without error message if `local.ldap.cache.homedir.path` folder is invalid.
	Workaround
	Change the `local.ldap.cache.homedir.path` to a valid folder name in `ics.conf` file and restart the services.
6371072	func_events test shows difference in output. DTEND value is not shown in the output message of wcap command

Services

Hotbackup error message printed out on Calendar Server restart (6373819)

Calendar Server Hotbackup throws an error message on standard output while starting `csstored` daemon

Workaround

1. Stop the `csstored` daemon. Use the following command:
    <install-location>`/calendar/sbin/stop-cal`

2. Navigate *<install-location>*`/calendar/lib`. Open `csstored.pl` file using the following command:

    `vi csstored.pl`

3. Go to the line number 216

4. Change eq to ==

5. Save the `csstored.pl` file

6. Start the `csstored` daemon. Use the following command:

    `<install-location>/calendar/sbin/start-cal`

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 2005Q4Developer's Guide* at:

> http://docs.sun.com/app/docs/doc/819-2434.

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
- bin
- classes
- include
- plugins
- samples

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.sl
libicsexp10.sl
```

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	nsIEnumerator.h
csIAccessControl.h	nsIEventQueueService.h
csIAuthentication.h	nsIFactory.h
csICalendarDatabase.h	nsIPtr.h
csICalendarLookup.h	nsIServiceManager.h
csICalendarServer.h	nsIServiceProvider.h
csIDBTranslator.h	nsISizeOfHandler.h
csIDataTranvslator.h	nsISupports.h
csIMalloc.hpluginscsIPlugin.h	nsISupportsArray.h
csIQualifiedCalidLookup.h	nsMacRepository.h
csIUserAttributes.h	nsProxyEvent.h
mozIClassRegistry.h	nsRepository.h
mozIRegistry.h	nsString.h
nsAgg.h	nsTraceRefcnt.h
nsCOMPtr.h	nsVector.h
nsCRT.h	nsUnicharUtilCIID.h
nsCom.h	nsXPComCIID.h
nsDebug.h	nsXPComFactory.h
nsError.h	nscore.h
nsHashtable.h	pasdisp.h
nsIAtom.h	publisher.h
nsICaseConversion.h	subscriber.h
nsICollection.h	xcDll.h
nsID.h	xcDllStore.h

plugins

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

- accesscontrol
- authentication
- datatranslator
- userattributes

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

- datatranslator

- ens

- userattributes

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.cpp

csUserAttributesDBFactory.cpp

Communications Express

These Release Notes contain important information available at the time of release of Sun Java System Communications Express 6 2005Q4 for HP-UX. New features and enhancements, known issues and limitations, and other information are addressed here.

This release notes contains the following sections:

- About Communications Express 6 2005Q4

- Supported Browsers

- Bugs Fixed in This Release

- Installation Notes

- Communications Express Known Issues and Limitations

About Communications Express 6 2005Q4

Sun Java™ System Communications Express Version 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 as the Unified Web Client (UWC). Messenger Express is the standalone web interface mail application that uses the HTTP service of the Messaging Server.

NOTE	The Communications Express for JES 4 Release can be deployed on Sun Java System Application Server 8.1 and Sun Java System Web Server 6.1. The Communications Express configurator supports only the Domain Administration Server (DAS) deployment for Application Server 8.1.

Supported Browsers

Communications Express can be viewed using:

- Netscape™ Communicator 6.2.x, 7

- Internet Explorer 5.x, 6.0

- Mozilla™ 1.0 or higher

Bugs Fixed in This Release

This section lists the bugs fixed in Communications Express 6 2005Q4.

None

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 version 5.2.

2. **Calendar Server-** Install Sun Java™ System Calendar Server version 6.2.

3. **Web Server-** Install Sun Java™ System Web Server 6.1 SP4.

4. **Messaging Server-** Install Sun Java™ System Messaging Server 6 2005Q4 (6.2).

5. **Access Manager-** Install Sun Java™ System Access Manager 7.

6. **Application Server-** Install Sun Java™ System Application Server 8.1.

NOTE	Communications Express has been tested and is supported only with the server versions mentioned above.

Refer to chapter 2, "Installing and Configuring Communications Express" of *Sun Java™ Systems Communications Express Administration Guide* for instructions on how to install and configure Sun Java System Communications Express.

Refer to chapter 4, "Implementing Single Sign-On" of *Sun Java™ Systems Communications Express Administration Guide* for instructions on how to configure Sun Java System Communications Express when Access Manager is deployed.

Patch Requirement Information

The following table gives the numbers and minimum versions for the alignment patches. All patches referred to in this section are the minimum version number required for upgrade. It is possible that a new version of the patch has been issued since this document was published. A newer version is indicated by a different version number at the end of the patch. For example: 123456-04 is a newer version of 123456-02 but they are the same patch ID. Refer to the README file for each patch listed for special instructions.

To access the patches, go to http://sunsolve.sun.com.

Table 10 Communications Express 6 2005Q4 Alignment Patches Required For HP-UX

Patch Number	Patch Description
121393-01	HP-UX 11.11: Sun Java™ System Directory Server 5 2005Q4
121931-01	HP-UX 11.11: Sun Java™ System Directory Server 5 2005Q4 (Localization Patch)
121512-02	HP-UX 11.11: Sun Java™ System Calendar Server 6 2005Q4
121510-01	HP-UX 11.11: Sun Java™ System Web Server 6.1 6 2005Q4
121935-01	HP-UX 11.11: Sun Java™ System Web Server 6.1 6 2005Q4 (Localization Patch)
121511-01	HP-UX 11.11: Sun Java™ System Messaging Server 6.2 2005Q4

Table 10 Communications Express 6 2005Q4 Alignment Patches Required For HP-UX

Patch Number	Patch Description
121927-01	HP-UX 11.11: Sun Java™ System Messaging Server 6.2 2005Q4 (Localization Patch)
121514-01	HP-UX 11.11: Sun Java™ System Application Server 8.1 2005Q2
121934-01	HP-UX 11.11: Sun Java™ System Application Server 8.1 2005Q2 (Localization Patch)
121522-01	HP-UX 11.11: Sun Java™ System Communications Express 6 2005Q4
121925-01	HP-UX 11.11: Sun Java™ System Communications Express 6 2005Q4 (Localization Patch)

For detailed information about Upgrade procedure of the Communications Express from JES3 to JES4 refer *Sun Java Enterprise System 2005Q4 Upgrade Guide for HP-UX* located at http://docs.sun.com/app/docs/doc/819-4460.

Communications Express Known Issues and Limitations

This section contains a list of the known issues with Communications Express 6.

The 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 HP-UX type:

   ```
   swremove sun-uwc
   ```

2. Remove the deploy directories

3. Remove the WEBAPP entry from Web Server or Application Server `server.xml` file

Few softlinks are missing and creation of incorrect directory names with respect to Chinese locale(6376282)

Install UWC, and apply the work around before running UWC configurator.

Workaround

1. `cd /opt/sun/uwc/lib/config-templates/WEB-INF/domain`

   a. `mv zh_CN zh-CN`

   b. `mv zh_TW zh-TW`

   c. `ln -s ./zh-CN zh`

   d. `ln -s ./zh-TW zh-tw`

2. `cd /opt/sun/uwc/lib/config-templates/WEB-INF/domain/defaultps`

   a. `mv dictionary-zh_CN.xml dictionary-zh.xml`

   b. `mv dictionary-zh_TW.xml dictionary-zh-TW.xml`

   c. `ln -s ./dictionary-zh.xml dictionary-zh-CN.xml`

   d. `ln -s ./dictionary-zh.xml dictionary-zh-cn.xml`

   e. `ln -s ./dictionary-zh-TW.xml dictionary-zh-tw.xml`

3. `cd /opt/sun/uwc/lib/config-templates/WEB-INF/ui/html/abs`

   a. Repeat the steps as in Step a to Step e.

   b. `mv dictionary-zh_CN.xml dictionary-zh.xml`

   c. `mv dictionary-zh_TW.xml dictionary-zh-TW.xml`

   d. `ln -s ./dictionary-zh.xml dictionary-zh-CN.xml`

   e. `ln -s ./dictionary-zh.xml dictionary-zh-cn.xml`

   f. `ln -s ./dictionary-zh-TW.xml dictionary-zh-tw.xml`

4. `cd /opt/sun/uwc/help`

   a. `mv zh_CN zh-CN`

   b. `mv zh_TW zh-TW`

   c. `ln -s ./zh-TW zh-tw`

   d. `ln -s ./zh-CN zh`

   Execute the configurator, then access the UWC page in Chinese locale (that is with browser locale set to `zh`, `zh-CN`, `zh-TW`). You will find that displayed correctly.

How to Report Problems and Provide Feedback

If you have problems with Sun Java System Calendar Server, contact Sun customer support using one of the following mechanisms:

- Sun Software Support services online at
  http://www.sun.com/service/sunone/software

  This site has links to the Online Support Center, and Product Tracker, as well as to maintenance programs and support contact numbers.

- The IT Resource Center website for HP-UX at
  www1.itrc.hp.com

- The telephone dispatch number associated with your maintenance contract

So that we can best assist you in resolving problems, please have the following information available when you contact support:

- Description of the problem, including the situation where the problem occurs and its impact on your operation

- Machine type, operating system version, and product version, including any patches and other software that might be affecting the problem

- Detailed steps on the methods you have used to reproduce the problem

- Any error logs or core dumps

To assist in reporting problems, Sun provides the `capture_environment.pl` tool, a Perl script that captures the current Calendar Server environment, including the `ics.conf` file, log files, calendar database files, platform information, and core files (if available). These files can be useful to Calendar Server development to debug problems.

To run the `capture_environment.pl` tool:

1. If necessary, download the `capture_environment.pl` tool from customer support.

2. If necessary, install Perl and add it to your path. (If you cannot install Perl, see the instructions in the `capture_environment.pl` file that describe how to manually create a snapshot of your Calendar Server environment.)

3. Log in as (or become) `root`.

4. Run the `capture_environment.pl` tool. The tool copies the files to a directory named `archive_directory`. On UNIX systems, it places all files into a tar file named `tar_file`. On Windows 2000 systems, however, you must manually add the files in `archive_directory` to a `Zip file`.

5. Send the `tar file` or `Zip file` to customer support.

Sun Welcomes Your Comments

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 document title and part number. The part number is a seven-digit or nine-digit number that can be found on the title page of the guide or at the top of the document.

Additional Sun Resources

Useful Sun Java System information can be found at the following Internet locations:

- Sun Java System Documentation
  `http://docs.sun.com/app/docs/prod/entsys.05q4`

- Documentation for Sun Java System Calendar Server 6
  `http://docs.sun.com/app/docs/coll/1313.1`

- Documentation for Sun Java System Communications Express
  `http://docs.sun.com/app/docs/coll/1313.1`

- Sun Java System Professional Services
  `http://www.sun.com/service/sunps/sunone`

- Sun Java System Software Products and Service
  `http://www.sun.com/software`

- Sun Java System Software Support Services
  `http://sunsolve.sun.com/pub-cgi/show.pl?target=help/collections`

- Sun Java System Support and Knowledge Base
  `http://www.sun.com/service/support/software`

- Sun Java System Software Support Services
  `http://www.sun.com/support/`

- Sun Java System Consulting and Professional Services
  http://www.sun.com/service/sunps/sunone

- Sun Java System Developer Information
  http://developers.sun.com/prodtech/index.html

- Sun Developer Support Services
  http://www.sun.com/developers/support

- Sun Java System Software Training
  http://training.sun.com/

- Sun Software Data Sheets
  http://wwws.sun.com/software