

Sun™ ONE Calendar Server 6.0 Release Notes

Version 6.0

Part Number 816-6715-10

January 20, 2004

Important After you install Sun ONE Calendar Server 6.0, you must add one of the Calendar Server patches as described under [Required Calendar Server 6.0 Patches](#).

These Release Notes contain important information available at the time of release of Sun ONE Calendar Server 6.0, including:

- [Revision History](#)
- [Required Calendar Server 6.0 Patches](#)
- [About Calendar Server, Version 6.0](#)
- [What's New in Calendar Server, Version 6.0](#)
- [Hardware/Software Requirements and Recommendations for Calendar Server 6.0](#)
- [New Information](#)
- [Known Issues](#)
- [How to Report Problems and Provide Feedback](#)
- [Additional Sun Resources](#)

You can find the most up-to-date version of these Release Notes on the following documentation Web site:

http://docs.sun.com/coll/S1_CalendarServer_60

Read these Release Notes before you install and configure Calendar Server and then check this Web site periodically to view the most up-to-date documentation.

Sun™ ONE Calendar Server was formerly iPlanet™ Calendar Server.

Revision History

Table 1 Revision History

Date	Description of Changes
January 20, 2004	Revised workaround for bug 4947880 under Known Issues .
December 23, 2003	Revised patch and HA information under Required Calendar Server 6.0 Patches .
December 9, 2003	Added bugs 4963237, 4961879, and 4961879 under Known Issues .
December 8, 2003	Initial release of the Release Notes.

Required Calendar Server 6.0 Patches

After you install Calendar Server 6.0 using the Sun Java™ Enterprise System Installer, you must apply the latest revision of one of the following Calendar Server patches using the `patchadd` command, depending on your platform:

- Solaris Operating System SPARC® Platform: 116577
- Solaris Operating System x86 Platform: 116578

You can download either patch from the SunSolve Patch Support Portal:

<http://sunsolve.sun.com/pub-cgi/show.pl?target=patchpage>

For information about these patches, including a list of problems fixed, refer to the respective patch Readme file, which is also available on the SunSolve Patch Support Portal.

Multiple Front-End/Back-End Servers

If your site has configured Calendar Server on multiple front-end/back-end servers, apply the patch on all front-end and back-end servers.

High Availability (HA) Configuration

If your site has configured Calendar Server 6.0 for high availability (HA), apply the patch only on the primary node that is running Calendar Server and not on any of the secondary nodes. However, first make sure the Calendar Server HA service is operational before applying the patch.

To apply the patch:

1. Stop the Calendar Server HA service:

```
scswitch -n -j cal-resource
```

where *cal-resource* is the Calendar Server resource name.

2. Apply the patch only to the node where the Calendar Server packages are installed. For example, to check for these packages:

```
# pkginfo SUNWics5  
application SUNWics5      Sun ONE Calendar Server Release 6.0, (Server)
```

3. If the `patchadd` command is successful, restart the Calendar Server HA service:

```
scswitch -e -j cal-resource
```

About Calendar Server, Version 6.0

Calendar Server is a scalable, web-based solution for centralized calendaring and scheduling for enterprises and service providers. Calendar Server supports personal and group 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 Calendar Server, Version 6.0](#).

What's New in Calendar Server, Version 6.0

Calendar Server 6.0 includes these following changes and new features:

- [Installation and Configuration Changes](#)
- [Hosted \(Virtual\) Domain Support](#)
- [Single Sign-On \(SSO\) Through Sun ONE Identity Server](#)
- [High Availability \(HA\) Configuration](#)
- [Secure Sockets Layer \(SSL\) Support](#)
- [Load Balancing of Processes Across Multiple CPUs](#)
- [Authentication Between Front-end and Back-end Servers Using DWP Connections](#)
- [Calendar Database Enhancements](#)
- [Web Calendar Access Protocol \(WCAP\) Changes](#)
- [Event Notification Service \(ENS\) Additions](#)
- [New LDAP Schema Version](#)
- [Auto Provisioning Configuration Parameter](#)
- [LDAP Data Cache](#)
- [Required LDAP mail Attribute for Calendar Server Users](#)
- [New CLI Utilities](#)
- [Client User Interface \(UI\) Features](#)
 - [Free/Busy Check box](#)
 - [Invitees List Changed](#)
 - [Refresh View Option](#)
 - [XSL Rendering in Client Browser](#)
 - [New Recurrence Model for Recurring Events](#)
- [Bugs Fixed in Calendar Server 6.0](#)

Installation and Configuration Changes

The installation and configuration of Sun ONE Calendar Server 6.0 on Solaris™ Operating Systems has the following changes from previous Calendar Server releases:

- To install Calendar Server 6.0, you use the [Java Enterprise System Installer](#), which also installs other Sun component products.
- After Calendar Server 6.0 is installed, you run the [Calendar Server Configuration Program](#) to select configuration options such as the Calendar Server Administrator and default directories.
- Calendar Server 6.0 also has a [New Installation Directory Structure](#), so you might need to modify any scripts or applications that refer to specific locations.

Hosted (Virtual) Domain Support

A Calendar Server 6.0 installation can be configured as a number of hosted (virtual) domains (similar to the existing hosted domain support in Sun ONE Messaging Server). Each hosted domain shares the same instance of Calendar Server, which allows different domains to exist on a single server. Users login to their respective domain. If allowed, they can search for users in other domains and then schedule calendar events with those users.

NOTE A Sun ONE Portal Server 6.2 Calendar Channel does not support a Calendar Server hosted domain configuration.

The new `csdomain` utility manages Calendar Server attributes in the LDAP directory for a hosted (virtual) domain. These attributes are part of the `icsCalendarDomain` object class. The new `csdomain` utility can:

- Create a new hosted domain in the LDAP directory.
- Add a Calendar Server attribute and its associated value in the LDAP directory for a specific hosted domain.
- Delete a Calendar Server attribute in the LDAP directory for a specific hosted domain or delete an entire hosted domain.
- List Calendar Server attributes in the LDAP directory for a specific hosted domain.

The `csuser`, `csattribute`, and `csresource` utilities support the `-d` domain option, which specifies the name of a hosted (virtual) domain. If `-d` is not specified, the utility uses the domain from the `service.defaultdomain` parameter in the `ics.conf` file.

If your site is configured for hosted domains, you must fully qualify each calendar ID (calid) and user IDs with the domain name in all WCAP commands. For example: `jsmith@sesta.com`.

For more information about hosted domains, see the *Sun ONE Calendar Server 6.0 Administrator's Guide*.

Single Sign-On (SSO) Through Sun ONE Identity Server

Sun ONE Communications servers, including Calendar Server and Sun ONE Messaging Server (Messaging Server), can implement SSO using Sun™ ONE Identity Server 6.1. For more information, refer to the *Sun ONE Calendar Server 6.0 Administrator's Guide*.

High Availability (HA) Configuration

On Solaris Systems (SPARC Platform only), system administrators can configure Calendar Server 6.0 for high availability (HA) using Sun Cluster. Both the HAStorage and HAStoragePlus storage types are supported. For more information, see the *Sun ONE Calendar Server 6.0 Administrator's Guide*.

NOTE For a Calendar Server HA configuration, always specify “no” to each of these questions during configuration:

- Start Calendar Server after successful configuration
 - Start Calendar Server on system startup
-

Secure Sockets Layer (SSL) Support

Calendar Server 6.0 supports the Secure Sockets Layer (SSL) protocol to encrypt data between calendar client end users and Calendar Server. System administrators can configure Calendar Server to encrypt only the Calendar Server login or an entire calendar session. For more information, see the *Sun ONE Calendar Server 6.0 Administrator's Guide*.

Load Balancing of Processes Across Multiple CPUs

By default, Calendar Server 6.0 distributes the HTTP service (`cshttpd` process) and the Distributed Database service (`csdwpd` process) across multiple CPUs for a server. For more information, see the *Sun ONE Calendar Server 6.0 Administrator's Guide*.

Authentication Between Front-end and Back-end Servers Using DWP Connections

Calendar Server 6.0 provides authentication between front-end and back-end servers that are using a DWP connection. To set up this authentication, you must set parameters in the `ics.conf` file on both the front-end and back-end servers. For more information, including the parameters you must set, see the *Sun ONE Calendar Server 6.0 Administrator's Guide*.

Calendar Database Enhancements

New Database Version

Calendar Server 6.0 uses Berkeley DB version 3.2.9. If you have an earlier version of Calendar Server that uses Berkeley DB version 2.6, you must upgrade your calendar database to version 3.2.9. For more information, see the *Sun ONE Calendar Server 6.0 Installation Guide for Solaris Operating Systems*.

Delete Log Database

Calendar Server 6.0 includes the Delete Log database (`ics50delete.log.db`) to store deleted events and todos (tasks). The new `cspurge` utility allows the manual purge of entries in the Delete Log database. For more information, see the *Sun ONE Calendar Server 6.0 Administrator's Guide*.

Web Calendar Access Protocol (WCAP) Changes

NOTE If your site is configured for hosted domains, you must fully qualify each calendar ID (`calid`) and user IDs with the domain name in all WCAP commands.

For example: `jsmith@sesta.com`

Other changes and additions to WCAP commands include:

- Recurring components now have a master entry and exceptions are stored.

If you use `store` commands to modify components in this new recurrence model, do not use the `THIS_AND_FUTURE` or `THIS_AND_PRIOR` values for the `mod` parameter. If `rchange=1` is specified or if `rchange=1` is implicitly determined, these two values will be mapped to `THIS_ALL` anyway.

For example, if `dtstart` of an instance is changed and the `mod` value is `THIS_AND_FUTURE`, it will recreate the recurring series starting from that instance using the new `dtstart` and existing recurrence rule (unless new `rrules` are specified as well). So, the instances before the selected instance will be lost.

- For recurring components:
 - Changing the `RRULE` will cause the chain of components to be deleted and rewritten. You must change all instances at once because changing the `RRULE` for a single instance is not supported.
 - Changing the start time (`dtstart`) of a series is not supported.
 - Inserting the `rid` parameter after creating the recurring component is not supported.
- Commands now return error codes (and no longer return error arrays) when components cannot be found.
- The `freebusy` calculation includes a `newtransparent` component parameter. You can specify this parameter when creating or modifying an event using the `storeevents` command.
 - Private components with `transparent=0` will be included in the `freebusy` calculation as confidential components.
 - Private components with `transparent=1` will be accessible by the calendar owner only.
- The `fetch` commands:
 - Use the `relativealarm` parameter to retrieve alarms in the way they were created. For example:
 - If you specify `relativealarm=0`, the alarm is returned as absolute (*Default*).
 - If you specify `relativealarm=4`, the alarm is returned in the way it was stored (either absolute or relative).
 - Use the `recurring` parameter to retrieve components in either expanded form (each individual instance) or as a master entry plus exceptions. For example:
 - If you specify `recurring=0`, the retrieved components will be returned as individual instances (*Default*).
 - If you specify `recurring=1`, the components will be returned in compressed form as a master entry plus exceptions.

- The `fetchcomponents_by_range` command allows you to specify either the calid or email address to be returned in the `cal-address` part of the `ATTENDEE` and `ORGANIZER` properties.
 - If you specify `emailorcalid=0`, the calid is returned.
 - If you specify `emailorcalid=1`, the email address is returned and the calid is returned in the X-Token `X-S1CS-CALID`.
- A new `fetchdeleted_components` command has been added to allow components to be retrieved from the Delete Log database (`deletelog.db`). This command also takes the `recurring` parameter, so it will return either individual instances or the master entry plus exceptions.
- The `get_freebusy` command supports the following new parameters that allow a range of dates to be retrieved and set as offsets from today:
 - `freebusybegin` specifies how many days before today to use as the starting point.
 - `freebusyend` specifies how many days after today to set as the ending point.
- The `store` commands:
 - Enable the `alarmPopup` and `alarmStart` parameters to specify either an absolute time date string or a duration string.
 - Allow the use of a Calendar Server-specific `ATTENDEE` property to be stored using the `attendee` parameter. The new property, `SENT-STATUS`, can have two values:
 - `NOT-SENT` (*Default*).
 - `SENT-SUCCEEDED`. If set, the GSE will not process this attendee.
 - Have a new `storetype` parameter, with three values (0, 1, 2).
 - If you specify `storetype=0` no error conditions will be reported (*Default*).
When you specify `storetype=0` or if you do not specify a `storetype`, the component will be modified if it exists, else it will be created (as in previous versions of Calendar Server).
 - If you specify `storetype=1`, Calendar Server tries to create a component and returns an error if the component already exists.
 - If you specify `storetype=2`, Calendar Server tries to modify a component and returns an error if the component does not exist.

You must specify whether the command is a `create` or `modify`. For example, `modify (storetype = 0/1)`.

- Have new organizer parameters:
 - `orgCalid` specifies the calid of the organizer.
 - `orgCN` specifies the common name of the organizer.
- Support for Javascript has been removed.

Event Notification Service (ENS) Additions

ENS messages can be sent for both calendar update notifications and for alarm notifications. Calendar Server 6.0 includes three new alarm notifications and a new alarm notification parameter. For more information about these additions, see the *Sun ONE Messaging and Collaboration 6.0 Event Notification Service Manual*.

Alarm Notifications

Three new alarm notifications have been added:

- `caldb.serveralarms.binary.url`
- `caldb.serveralarms.binary.enable`
- `caldb.berkeleydb.alarmretrytime`

Alarm Notification Parameter

The `URI` parameter has been added for all alarm notifications.

New Default Port Number for ENS `enpd` Process

Calendar Server and Messaging Server require different versions of the Event Notification Service (ENS) process, `enpd`. In past releases, both Calendar Server and Messaging Server used 7997 as the default ENS port number, which caused problems when the products were running on the same server.

To allow two different `enpd` versions to run on the same server, Calendar Server and Messaging Server must use different default `enpd` port numbers. Therefore, Calendar Server now sets the default ENS port number to 57997 as follows:

```
service.ens.port="57997"
```

If you are having problems running Calendar Server and Messaging Server on the same server, check the Calendar Server `service.ens.port` parameter and set it to a new value, if needed.

New LDAP Schema Version

Calendar Server 6.0 supports Sun ONE Schema, v.2 Native or Compatibility Mode and Sun ONE LDAP Schema, v.1. Therefore, several new LDAP schema object classes and attributes have been added. For more information, see *Sun ONE Messaging and Collaboration 6.0 Schema Reference Manual*.

Auto Provisioning Configuration Parameter

Auto provisioning of calendar users is configurable using the new `local.autoprovision` parameter in the `ics.conf` file:

The default is “no”. To allow auto provisioning, this parameter must be present in the `ics.conf` file and set to “yes”. The anonymous calendar is always created, even if the parameter is set to “no”.

In hosted (virtual) domain mode, Calendar Server also checks the domain to see if it is calendar enabled. A domain is calendar enabled if it has the LDAP `icsCalendarDomain` object class. If the domain does not have this object class, auto provisioning of calendar users is not allowed, regardless of the value of `local.autoprovision`.

LDAP Data Cache

The LDAP data cache ensures that LDAP data is available immediately after it has been committed, even if the LDAP directory server is configured to include a delay in the availability of committed data. If your site uses a master/slave LDAP configuration that introduces a delay in the availability of committed LDAP data, the LDAP data cache can ensure that your clients have accurate LDAP data. For more information, see the *Sun ONE Calendar Server 6.0 Administrator's Guide*.

Required LDAP mail Attribute for Calendar Server Users

Calendar Server 6.0 (and later) requires users to have the LDAP mail attribute for both user and resource calendars. Each resource calendar must have an email address, even if the email address is not actually used.

You might specifically need to add the LDAP mail attribute using the Calendar Server `csresource` or `csuser` utility or a directory server utility such as `ldapmodify`.

For more information, refer to the *Sun ONE Calendar Server 6.0 Administrator's Guide*.

New CLI Utilities

Calendar Server includes the following new CLI utilities:

- The `csclean` utility removes user and resource calendars for Calendar Server users whose status attribute (`inetUserStatus`) has been marked as deleted by Sun ONE Identity Server `commadmin` CLI utility.
- The `csdomain` utility manages Calendar Server attributes in the LDAP directory for a hosted (virtual) domain.
- The `csmonitor` utility performs these functions:
 - Checks LDAP connectivity according to the `ics.conf` parameters.
 - Checks the log. If more than one file exists, `csmonitor` sends a warning by email.
 - Checks the Calendar Server database available disk space.
- The `cspurge` utility allows the manual purge of entries in the Delete Log database (`ics50deletelog.db`).
- The `csstored.pl` utility is a Perl script that performs online or hot archival operations for the calendar database and log files.

For more information, see the *Sun ONE Calendar Server 6.0 Administrator's Guide*.

Client User Interface (UI) Features

- [Free/Busy Check box](#)
- [Invitees List Changed](#)
- [Refresh View Option](#)
- [XSL Rendering in Client Browser](#)
- [New Recurrence Model for Recurring Events](#)

Free/Busy Check box

A new check box is available for use when creating a new event. When the Free/Busy check box is marked while you are creating an event, others with Read or Availability permissions for your calendar will see the time of this event blocked out as busy.

Invitees List Changed

When creating a new event, the organizer of the event is no longer automatically included in the Invitees list. However, the event does appear in the organizer's calendar.

Refresh View Option

For Calendar Express end users, the *Refresh View* option improves performance by using calendar data in the browser cache to refresh a view rather than requiring an update from the Calendar Server database. When the *Refresh View* option is configured for a site (in the `ics.conf` file), Calendar Express displays *Refresh View* on all calendar views on the View tab.

XSL Rendering in Client Browser

Calendar Server 6.0 performs client-side rendering by downloading the XSLT processing to the end user's browser, which in turn reduces the processing that must be done by Calendar Server. In the current release, this applies only to Internet Explorer 6.0 or later.

New Recurrence Model for Recurring Events

Calendar Server now uses a new model for recurring events. Changes to the Calendar Express user interface (UI) are as follows:

- Event Creation
 - For "Weekly", "Monthly", and "Yearly" events, if the "Repeat Pattern" does not match the "Start" date, Calendar Server creates the first occurrence of the event using the "Repeat Pattern". For example, if you specify the "Repeat Pattern" as "Weekly" and the "Start" date shows a Monday date, Calendar Server creates the first occurrence of the event on Wednesday and not on Monday.
 - Two instances of a recurring event cannot occur on the same day, and one instance of a recurring event cannot skip over or beyond another occurrence of the same event.
 - Event organizers must explicitly add themselves to the attendees list.
 - You can respond "I will confirm later" to invitations even if you sent a response previously.
- Date Changes for Recurring Events
 - When a date is changed for an individual instance of a recurring event, the new date cannot occur on the same day as an existing occurrence of the same event, or skip over or beyond a later occurrence of the same event. Otherwise, Calendar Express displays an error message.
 - You can modify one "This and Future" instance or ALL instances only.
- Repeat Pattern for Daily Events

- The new "Repeat Pattern" for "Daily" events window includes buttons for "Every day", "Every weekday" and "Every *n* days".
- This window no longer includes the pull-down menu for "Every weekday", "Monday, Wednesday and Friday", "Tuesday and Thursday", and "Saturday and Sunday". Recurring events that were created with these options and are already in the calendar database are now shown under "Repeat Pattern" for "Weekly".
- Repeat Pattern for Weekly Events

At least one day of the week must be selected. Otherwise, Calendar Express displays an error stating that the recurrence pattern is not valid. (By default, the current day of week will be checked.)
- Repeat Pattern for Yearly Events

On the Recurrence window, the "Every *n* years" option is replaced by "every year".

Bugs Fixed in Calendar Server 6.0

[Table 2](#) describes the most important bugs fixed in the Calendar Server 6.0 release.

Table 2 Fixed Bugs in Calendar Server 6.0

Number	Description
4905305	SSL parameters caused problem in cshttpd process.
4904425	SSL parameters are missing in the ics.conf file.
4903642	SSL parameters are not added to ics.conf during an upgrade.
4903639	csmonitor displays invalid credentials even when they are correct.
4903119	Client-side rendering and SSL used together causes a blank page.
4899279	Incorrect "count" and "until" XPROPS data when RRULE exceeds recurrence bound.
4898088	Event request messages with Thai/Arabic characters are corrupt.
4894598	Change needed for "A email address..." message.
4888995	Organizer's free/busy time is not displayed in a group scheduling event.
4884815	Installation failed to start Calendar Server.
4884232	csadmind has problems after running func_todo_replace_tzidout.txt test.
4880751	cshttpd process experiences problems when connecting to SSL port.
4880605	Modifying todo summary loses dtDue information.

Table 2 Fixed Bugs in Calendar Server 6.0

Number	Description
4880274	import WCAP command with default fmt-out format returns -5990 error.
4879269	set_user_prefs returns ERRNO 26 even when working properly.
4860929	storeevents with large string as summary returned ERRNO 60.
4855183, 4812916	If back-end server is restarted, front-end server must be restarted too.
4837841	New event with long description causes back-end DWP server problem.
4813597	import/export in XML format fails for events that contain Japanese characters.
4793258	ics2migrate encounters problems during functional test run.
4781251	cscal create utility no longer creates calendars for existing users in LDAP.
4773771	After upgrade user cannot create new event with 800x600 screen resolution.
4769090	cscal utility returns error when creating a valid calendar.
4752013	Searching calprops returns calendar without proper permission.
4751092	Calendar store becomes unavailable due to transaction ID wrapping.
4749067	csuser utility cannot create users with LDAP CLD plug-in enabled.
4738461	replace=1 in storeevents.wcap command doesn't work with a recurring events.
4737358	cshttpd process listens on all IP addresses.
4734453	csmig migration utility is missing the description for usage examples.
4734450	csmig migration utility usage examples are incorrect.
4729674	import.wcap does not trigger ENS notification.
4725163	cscomponents delete does not trigger ENS notification.
4625452	Calendar Server doesn't create all instances if repeat until date is earlier than default.
4622462	Until date for a repeating event shows one day after original date.
4560460	Email notifications cause problems with Netscape Communicator.
4556675	Events created on a Macintosh using Netscape Navigator 4.x contain corrupted data.
4555547	Search doesn't return expected results if the search string contains an asterisk.
4552548	User cannot set reminders to invitations before accepting or declining them.
4541444	Calendar Express doesn't allow "last day of the month" for repeating events.
4541260	Installation program does not display default time zone or allow it to be set.
4540544	Export from Internet Explorer 5.5 does not work correctly.

Table 2 Fixed Bugs in Calendar Server 6.0

Number	Description
4539252	csbackup utility fails if target directory exists and -f option is not specified.
4538960	Calendar Overview has inconsistent method for displaying tasks.
4538774	Calendar Server allows double booking of calendars.
4538591	Not everyone has the calendar entry after a meeting has been scheduled.
4537733	Recurrence IDs RIDs are not in ISO8601 format.
4537598	Users cannot login to Calendar Server after running the <code>cstool refresh</code> command.
4537454	Spaces in group calendar names cause problems.
4537234	Auto-provisioning feature cannot be disabled for first-time user login.
4535775	Installing Portal Server after Calendar Server changes permissions on <code>/var/opt</code> .
4535769	logout.wcap call always returns a status of -1 successful even for a failure.
4527700	International characters display incorrectly in Calendar Express.
4526762	Reminder emails should be encoded per user's LDAP preferredLanguage attribute.
4525128	Internet Explorer user can't export in XML format after having exported in iCal format.

Hardware/Software Requirements and Recommendations for Calendar Server 6.0

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

- [Hardware Requirements and Recommendations](#)
- [Software Requirements and Recommendations](#)

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](#)
- [Required Patches for Supported Software Platforms](#)
- [Supported Directory Servers](#)
- [Recommended Browsers for Client Computers](#)

Supported Software Platforms

- Solaris™ 9 (5.9) Operating System (SPARC® Platform Edition)
- Solaris™ 9 (5.9) Operating System (x86 Platform Edition)
- Solaris™ 8 (5.8) Operating System (SPARC® Platform Edition)

NOTE Support for the Windows 2000 and HP-UX 11i operating systems are planned for a future release of Calendar Server.

Required Patches for Supported Software Platforms

NOTE After you install Calendar Server 6.0 using the Sun Java™ Enterprise System Installer, you must add one of the following patches using the `patchadd` command, depending on your platform:

- Solaris Operating System SPARC® Platform: 116577-01
- Solaris Operating System x86 Platform: 116578-01

You can download either patch from the SunSolve Patch Support Portal:

<http://sunsolve.sun.com/pub-cgi/show.pl?target=patchpage>

The following tables list the required and recommended patches for the Solaris 8 Operating System on SPARC and x86 platforms:

- **Table 3** shows the required patches for the Solaris 8 (5.8) Operating System SPARC platform.
- **Table 4** shows the required patches for Solaris 8 (5.8) Operating System x86 platform.

Calendar Server 6.0 does not require any patches for the Solaris 9 Operating System.

The revision number following the dash in each patch ID identifies the minimum patch revisions; later revisions are acceptable.

All of the required Calendar Server patches will be installed automatically during the installation process. You also can download all of the recommended patches from:

<http://sunsolve.sun.com/>

Table 3 Required Patches for Solaris 8 (5.8) Operating System SPARC Platform

Patch ID	Description
110934-03	SunOS 5.8: pkgtrans, pkgadd, pkgchk and libpkg.a patch
109320-03	SunOS 5.8: LP jumbo patch
108974-11	SunOS 5.8: dada, uata, dad, sd and scsi drivers patch
108977-01	SunOS 5.8: libsmmedia patch
108968-05	SunOS 5.8: vol/vold/rmmount patch
108975-04	SunOS 5.8: /usr/bin/rmformat and /usr/sbin/format patch
108528-09	SunOS 5.8: kernel update patch
108652-34	X11 6.4.1 Xsun patch

Table 3 Required Patches for Solaris 8 (5.8) Operating System SPARC Platform (*continued*)

Patch ID	Description
109783-01	SunOS 5.8: /usr/lib/nfs/nfsd patch
108985-02	SunOS 5.8: /usr/sbin/in.rshd patch
112668-01	SunOS 5.8: /usr/bin/gzip patch
112611-01	SunOS 5.8: /usr/lib/libz.so.1 patch
108434-06 (32-Bit)	32-Bit Shared library patch for C++
108435-13 (64-Bit)	64-Bit Shared library patch for C++
112279-02	SunOS 5.8: pkgrm patch
110615-09	SunOS 5.8: sendmail patch
109147-24	SunOS 5.8: linker patch

Table 4 Required Patches for Solaris 8 (5.8) Operating System x86 Platform

Patch ID	Description
108436-10 or latest	Shared library patch for C++
109148-23 or latest	Required by 108436
108653-29 or latest	Xsun patch
108529-09 or latest	Kernel update patch
110935-03 or latest	pkg commands patch
112612-01 or latest	zlib patch — required by IS SSO libs
112280-02 or latest	pkgrm failed
110616-09 or latest	sendmail patch
ja locale:	
109952-01 or latest	Input method

Supported Directory Servers

Calendar Server 6.0 supports the following directory servers:

- Sun™ ONE Directory Server 5.2
- iPlanet™ Directory Server 5.1

NOTE iPlanet Directory Server 5.0 is not recommended for use with Calendar Server 6.0. For more information about directory server requirements, see the *Sun ONE Calendar Server 6.0 Installation Guide for Solaris Operating Systems*.

Recommended Browsers for Client Computers

Sun ONE Calendar Express 6.0 requires a JavaScript-enabled browser. For optimal performance, the following browsers are recommended:

Table 5 Recommended Browser Versions for Calendar Server 6.0

Browser	Solaris Systems	Windows	Macintosh
Netscape™ Communicator	7.0	7.0	—
Microsoft Internet Explorer	—	5.5 or 6.0	6.0
Mozilla	1.2 or 1.4	1.2 or 1.4	—

New Information

This section contains the latest information that is not contained in the core product documentation. This section covers the following topics:

- [Installation Notes](#)
- [Calendar Server 6.0 Documentation](#)

Installation Notes

This section contains information you should know before you install Calendar Server 6.0, including:

- [Required Privileges](#)
- [Java Enterprise System Installer](#)
- [Calendar Server Configuration Program](#)
- [New Installation Directory Structure](#)
- [Solaris Packages](#)
- [Database Version](#)
- [Calendar Server 5.x to 6.0 Upgrade Process](#)
- [Calendar Server 6.0 Migration Utilities](#)
- [Directory Server Performance](#)

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.

Required Privileges

To run the Sun Java™ Enterprise System installer or the Calendar Server 6.0 configuration program on Solaris Systems, you must log in as or become superuser (`root`).

Java Enterprise System Installer

On Solaris Systems, you install Calendar Server 6.0 using the Sun Java™ Enterprise System installer. The Java Enterprise System installer installs the Sun component product packages, including Calendar Server 6.0, and the shared components that are used by the various products.

The Java Enterprise System installer installs Calendar Server SUNWics5 and SUNWica5 packages in the `/opt/SUNWics5` directory. For more information about the Java Enterprise System installer, refer to the *Sun Java™ Enterprise System Installation Guide*.

CAUTION If you have a previous version of Calendar Server 6.0 installed at your site, the Java Enterprise System installer will overwrite existing Calendar Server files, including any files you have customized. If you have any customized files; such as XSL, XML, GIF, HTML, configuration (`.conf`), or time-zone files, you should back up those files before running the Java Enterprise System installer.

If you have Calendar Server 5.x installed at your site, you must follow specific steps to upgrade to the 6.0 release — particularly if you customized your 5.x release. For more information about upgrading, refer to the *Sun ONE Calendar Server 6.0 Installation Guide for Solaris Operating Systems*.

Calendar Server Configuration Program

After installing Sun ONE Calendar Server using the Java Enterprise System installer, you *must* configure Calendar Server as follows:

1. Run the Directory Server Setup Script (`comm_dssetup.pl`) to configure Sun ONE Directory Server 5.x (unless you already ran the script while configuring Messaging Server 6.0).
2. Run the Calendar Server Configuration Program (`csconfigurator.sh`) to configure your site's specific requirements.

You must run `comm_dssetup.pl` to update the LDAP schema. Calendar Server does not provide a warning prompt or display error messages in the configurator log if the LDAP schema needs to be updated. (4935521).

For more detailed instructions, refer to the *Sun ONE Calendar Server 6.0 Installation Guide for Solaris Operating Systems*.

New Installation Directory Structure

Calendar Server 6.0 has the new installation directory structure shown below in [Figure 1](#).

Figure 1 Calendar Server 6.0 Installation Directory Structure

```

/opt/SUNWics5/cal/
  bin/ --> /opt/SUNWics5/cal/lib/
  classes/
  config/ --> /etc/opt/SUNWics5/config/
  csapi/
  java/
  lib/
  sbin/
  tools/
  uicust/
  uninst/

```

For Java Enterprise System Release 1, Calendar Server 6.0 provides the links shown in [Table 6](#).

Table 6 Calendar Server 6.0 Directory Links

This previous location...	Links to this new location...
Old 5.x: /opt/SUNWics5/cal/bin/data	/opt/SUNWics5/cal/data
Old 5.x: /opt/SUNWics5/cal/bin	/opt/SUNWics5/cal/lib
Old 5.x: /opt/SUNWics5/cal/bin/config	/etc/opt/SUNWics5/config
Previous 6.0 locations:	
/opt/SUNWics5/cal/config	
/opt/SUNWics5/cal/lib/config	
/opt/SUNWics5/cal/sbin/config	

CAUTION The links shown in [Table 6](#) will not be available in a future release. You will then need to modify any scripts, applications, or other directory or file references to use the new locations shown in [Table 7](#).

Table 7 New Calendar Server 6.0 Directory Locations

Utility or File	Old and New 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	old: /opt/SUNWics5/cal/bin new: /opt/SUNWics5/cal/sbin
Migration utilities: cs5migrate, csmig, csvdmig, and ics2migrate	
Scripts: icsasm, legbackup.sh, legrestore.sh, and private2public.pl	
Administrator utilities: csstart and csstop	old: /opt/SUNWics5/cal/bin new: /opt/SUNWics5/cal/lib
Configuration files: ics.conf, version.conf, counter.conf, and sslpassword.conf	old: /opt/SUNWics5/cal/bin/config new: /etc/opt/SUNWics5/config
LDAP server update files: 60iplanet-calendar.ldif, ics50-schema.conf, and um50-common-schema.conf	
Mail formatting (*.fmt) files	old: /opt/SUNWics5/cal/bin/config/language new: /etc/opt/SUNWics5/config/language where language is en, de, es, fr, ja, zh-TW, or zh-CN.
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	old: /opt/SUNWics5/cal/bin/config new: /etc/opt/SUNWics5/config/schema
Library (.so) files	old: /opt/SUNWics5/cal/bin
SSL utilities: certutil and modutil	new: /opt/SUNWics5/cal/lib
Session database	old: /opt/SUNWics5/cal/bin/http new: /opt/SUNWics5/cal/lib/http
Counter statistics files: counter and counter.dbstat	old: /opt/SUNWics5/cal/bin/counter new: /opt/SUNWics5/cal/lib/counter
timezones.ics file	old: /opt/SUNWics5/cal/bin/data new: /opt/SUNWics5/cal/data

Table 7 New Calendar Server 6.0 Directory Locations (*continued*)

Utility or File	Old and New Locations
Links created for each Calendar Server command line utility and libamsdk.so to provide backward compatibility:	old: /opt/SUNWics5/cal/lib/csrestore
NOTE: These links (and bin -> lib) were created for this release only and they will be removed in the next release.	new: /opt/SUNWics5/cal/sbin/csrestore
	old: /opt/SUNWics5/cal/lib/csresource
	new: /opt/SUNWics5/cal/sbin/csresource
	old: /opt/SUNWics5/cal/lib/csimport
	new: /opt/SUNWics5/cal/sbin/csimport
	old: /opt/SUNWics5/cal/lib/csexport
	new: /opt/SUNWics5/cal/sbin/csexport
	old: /opt/SUNWics5/cal/lib/csdb
	new: /opt/SUNWics5/cal/sbin/csdb
	old: /opt/SUNWics5/cal/lib/cscomponents
	new: /opt/SUNWics5/cal/sbin/cscomponents
	old: /opt/SUNWics5/cal/lib/cscal
	new: /opt/SUNWics5/cal/sbin/cscal
	old: /opt/SUNWics5/cal/lib/csbackup
	new: /opt/SUNWics5/cal/sbin/csbackup
	old: /opt/SUNWics5/cal/lib/libamsdk.so
	new: /opt/SUNWics5/cal/libamsdk.so.2
	old: /opt/SUNWics5/cal/lib/csuser
	new: /opt/SUNWics5/cal/sbin/csuser
	old: /opt/SUNWics5/cal/lib/cstool
	new: /opt/SUNWics5/cal/sbin/cstool
	old: /opt/SUNWics5/cal/lib/csstats
	new: /opt/SUNWics5/cal/sbin/csstats

Solaris Packages

The Java Enterprise System installer installs or upgrades a series of Solaris packages (shown in [Table 8](#)) that you can later configure to suit your site's requirements.

If the same version of a particular package is already installed on your server, the installation program will not install that package again and will note that the package already exists. If an older version of a package exists on your server, the installer program will ask you if you want to install the newer version of the package.

Table 8 Solaris Packages

Package	Description
SUNWicu	International Components for Unicode User Files
SUNWicu	International Components for Unicode User Files
SUNWsas1	Simple Authentication and Security Layer (SASL)
SUNWtls	Network Security Services
SUNWldk	LDAP C SDK
SUNWamcom	Sun ONE Identity Server Policy Agent
SUNWj3rt	Java Virtual Machine and Core Class Libraries

Database Version

Calendar Server 6.0 uses Berkeley DB version 3.2.9. If you have an earlier version of Calendar Server that uses Berkeley DB version 2.6, you must upgrade your calendar database to version 3.2.9 using the `cs5migrate` utility.

Calendar Server 5.x to 6.0 Upgrade Process

If you have Calendar Server 5.x installed at your site, you must follow specific steps to upgrade to the 6.0 release, particularly if you have customized your 5.x release. For more information, refer to the *Sun ONE Calendar Server 6.0 Installation Guide for Solaris Operating Systems*.

If you need help with the upgrade from 5.x to 6.0, contact your Sun Microsystems technical support or sales account representative for assistance.

Calendar Server 6.0 Migration Utilities

Updated versions of migration utilities are available in the Calendar Server 6.0 release. The following migration utilities are available to migrate calendar data to Sun ONE Calendar Server:

- [cs5migrate](#)
- [csmig](#)
- [csvdmig](#)
- [ics2migrate](#)
- [ncs4migrate](#)
- [csrename](#)

CAUTION Before You Migrate

Before you run a migration utility, it is very important to first check with your Sun Microsystems technical support or sales account representative to ensure that you have the latest version of the utility.

If your site is configured for limited virtual domain mode or multiple instances of Calendar Server, contact your Sun Microsystems sales account representative for an evaluation of your migration requirements and to ensure that you have the specific migration utility that supports those requirements.

For information about using all of the migration utilities, see the *Sun ONE Calendar Server 6.0 Installation Guide for Solaris Operating Systems*.

cs5migrate

The `cs5migrate` utility:

- Migrates Calendar Server 5.x data to Calendar Server 6.0
- Upgrades the calendar database from Berkeley DB version 2.6 to version 3.2.9
- Updates the database
- Writes the migration status to a log named `csmigrate.log`
- Writes errors to a log named `csmigrateerror.log`

csmig

The `csmig` utility migrates a calendar database that was created before the Calendar Server 6.0 release to a new database that supports the LDAP Calendar Lookup Database (CLD) plug-in.

csvdmig

The `csvdmig` utility modifies the calendar database and the LDAP directory server data in a manner that allows sites to use hosted (virtual) domains.

ics2migrate

The `ics2migrate` utility migrates Calendar Server 2.x data and LDAP user preferences to Calendar Server 6.0.

ncs4migrate

The `ncs4migrate` utility migrates Netscape Calendar Server 4.x calendar data to Calendar Server 6.0.

If you plan to migrate Netscape Calendar Server 4.x calendar data, contact your Sun technical support representative or account manager to obtain the latest version.

csrename

The `csrename` utility names calendar users in the calendar database and in the LDAP directory server (Calendar Server attributes with the “ics” prefix).

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 the following attributes:

- `icsCalendar`
- `icsCalendarOwned`
- `mail`
- `mailAlternateAddress`

Calendar searches of the LDAP directory server are enabled by the following parameter in the `ics.conf` file:

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

To determine if the calendar search performance of the LDAP directory server can be improved, try 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 ONE Directory Server Configuration, Command, and File Reference* on the following Web site:

http://docs.sun.com/coll/S1_ipDirectoryServer_51

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.

Calendar Server 6.0 Documentation

Calendar Server 6.0 includes the following documentation. Part numbers (if applicable) are in parentheses.

- Sun ONE Calendar Express 6.0 Online Help
- *Sun ONE Calendar Server 6.0 Release Notes* (816-6715-10)
- *Sun ONE Calendar Server 6.0 Installation Guide for Solaris Operating Systems* (816-6707-10)
- *Sun ONE Calendar Server 6.0 Administrator's Guide* (816-6708-10)
- *Sun ONE Calendar Server 6.0 Programmer's Manual* (816-6711-10)
- *Sun ONE Messaging and Collaboration User Management Utility 1.0 Installation and Reference Guide* (817-4216-10)
- *Sun ONE Messaging and Collaboration 6.0 Schema Reference Manual* (816-6710-10)
- *Sun ONE Messaging and Collaboration 6.0 Event Notification Service Manual* (816-6712-10)

Sun ONE Calendar Express 6.0 Online Help is available with the Calendar Express software. Other Calendar Server 6.0 documentation is available on the following Web site:

http://docs.sun.com/coll/S1_CalendarServer_60

Known Issues

This section contains a list of the more important known issues at the time of the Calendar Server 6.0 release. This section covers the following topics:

- Users provisioned before configuring hosted domains cannot create events. (4963237)
- csdomain add or modify LDAP attribute returns an error. (4964855)
- csdomain fails to delete a domain. (4961879)
- icsCalendarDomain object class is not added to default domain. (4963221)
- Data loss and button problems occur after resizing windows on GNOME 2.0 desktops. (4957503)
- Calendar Server 5.x to 6.0 migration failed to add master field for old recurring event. (4951065 and 4948511)
- Calendar Server 6.0 cannot export recurring events if they were migrated from 5.x without a master database entry. (4948519)
- Calendar Server configuration does not set up a dc tree in a Schema 1 configuration. (4947880)
- Calendar Server services do not start in a Solaris 8 end-user installation (4947544) and Calendar Server requires SUNWzlib. (no bugid)
- Invitation messages for recurring events are sent incorrectly. (4945126)
- Outlook mode export button does not work. (4944130)
- Toolbar does not display properly. (4939219 and 4900115)
- (Japanese Netscape7 only) 'TORIKESHI' line does not display correctly. (4938658)
- Multiple day events created in Outlook are displayed incorrectly in Calendar Express. (4930664)
- Leading white space in ics.conf causes fatal error when initializing configuration. (4927112)
- Removing SUNWics5 causes error messages. (4927620)
- Disabled Calendar accounts can be reactivated by the affected user. (4926864)
- Anonymous calendar is not localized. (4924982)
- csdomain add command does not add Calendar Server attributes for a domain. (4920542 and 4922433)

- Comparison page cannot be printed properly in ko/ja locale. (4916961)
- Server does not support parsing cn with language tags. (4899053)
- calid does not support non-7-bit characters in current release. (4898611)
- Store WCAP commands fail with error numbers 10006 and 10003. (4865723)
- Need message warning that a login is required when Time Zone is changed. (4719346)
- HAStoragePlus resource creation fails if order of FilesystemMountPoints is not correct. (4640848)
- Connections aborted with TCP_IOC_ABORT_CONN in system log. (4616287)
- Cluster.PMF.pmf: Error opening procs control file. (4490877)
- Certain Calendar Server windows will not display if you have a Pop-Up blocker enabled. (no bugid)
- Known Issues for User Management Utility for Sun ONE Messaging and Collaboration. (no bugid)
- Known Localization Issues. (no bugid)

Users provisioned before configuring hosted domains cannot create events. (4963237)

Users who were provisioned at a site before the site is configured for hosted domains cannot subsequently create an event or task. Calendar Server returns an error stating that the user does not have the access privilege needed to perform the operation.

Workaround:

For a site to use hosted domains, perform these steps:

1. Run the `csvdmig` utility to migrate the installation to use hosted domains. For information about running `csvdmig`, refer to Chapter 3, “Migrating Calendar Server Data” in the *Sun ONE Calendar Server 6.0 Installation Guide for Solaris Operating Systems*.
2. Set the hosted domain parameters in the `ics.conf` file. For example, `service.virtualdomain.support` must be set to “yes”.

For a list of all parameters that you must set, see Chapter 8, “Using Hosted Domains” in the *Sun ONE Calendar Server 6.0 Administrator’s Guide*.

3. Set up your directory server organization depending on the version of the LDAP schema you are using—Sun ONE LDAP Schema, v.2 (compatibility or native mode) or Sun ONE LDAP Schema, v.1.

Chapter 8, “Using Hosted Domains” in the *Sun ONE Calendar Server 6.0 Administrator’s Guide* includes descriptions if these schema organizations.

4. For each domain, add the `icsCalendarDomain` object class to the domain entry in the directory server, and set `icsStatus` to “active” and `domainAccess` to the ACL you want to use for access control.
5. Create any new domains and users using the Sun ONE Identity Server `commadmin` CLI utility or the Calendar Server `csdomain` and `csuser` utilities.

csdomain add or modify LDAP attribute returns an error. (4964855)

The Calendar Server `csdomain` and the Sun ONE Identity Server `commadmin` CLI utilities return an error if you try to add or modify an LDAP attribute.

Workaround:

To add or modify an LDAP attribute, use the Directory Server `ldapmodify` command with an LDIF file.

csdomain fails to delete a domain. (4961879)

The Calendar Server `csdomain` utility fails to delete a domain.

Workaround:

To delete a domain, use either the Sun ONE Identity Server `commadmin` CLI utility or the Directory Server `ldapmodify` command.

icsCalendarDomain object class is not added to default domain. (4963221)

The Calendar Server Configuration program (`csconfigurator.sh`) does not add the `icsCalendarDomain` object class to the default domain, which causes problems if your site is configured for hosted (virtual) domains.

Workaround:

If your site is configured for hosted domains, add the required `icsCalendarDomain` object class for the default domain as follows:

- If you are using Sun ONE Schema, v.2 native or compatibility mode, use either the Sun ONE Identity Server `commadmin` CLI utility or the `ldapmodify` command as shown for Sun ONE LDAP Schema, v.1.

For information about the `comadmin` CLI utility, see the *Sun ONE Messaging and Collaboration User Management Utility 1.0 Installation and Reference Guide*.

- If you are using Sun ONE LDAP Schema, v.1, add the object class using the Sun ONE Directory Server `ldapmodify` command. For example:

```
ldapmodify -h directory.siroe.com -p 389 -D "cn=Directory Manager" -w bind-DN-password -f defaultDomain.calendar.modify.ldif
```

where `directory.siroe.com` is the directory server host name.

The `defaultDomain.calendar.modify.ldif` file is:

```
dn: o=default-domain, root-suffix
changetype: modify
add: objectclass
objectclass: icsCalendarDomain
```

where `dn` specifies the default domain node.

Data loss and button problems occur after resizing windows on GNOME 2.0 desktops. (4957503)

If you are using Netscape Communicator 4.79 with a GNOME 2.0 desktop on a Solaris 8 server, and you try to create a group, search for or enter a name, or resize a window some of the buttons (Cancel, Apply, etc.) will stop working properly and any data you entered will be lost.

This problem does not occur on the CDE desktop.

Calendar Server 5.x to 6.0 migration failed to add master field for old recurring event. (4951065 and 4948511)

You must run the Calendar Server migration tool on a Solaris 8 system only. The migration tool does not work on Solaris 9 systems at this time.

Calendar Server 6.0 cannot export recurring events if they were migrated from 5.x without a master database entry. (4948519)

Recurring events migrated from Calendar Server 5.x to Calendar Server 6.0 cannot be exported to a file if they were migrated without a master database entry — the recurring data will be lost during the export.

Calendar Server configuration does not set up a dc tree in a Schema 1 configuration. (4947880)

Configuring virtual domains in Schema v.1 is not supported in Calendar Server deployments where Messaging Server is not installed. If you install Calendar Server using Schema v.2 in native mode, this problem does not occur. Consequently, Schema v.2 is recommended for virtual domains.

If you are installing Calendar Server for the first time and specify a Schema v.1 configuration, the program will not create the nodes on the dc tree that are required to look up the default domain. The Java Enterprise System install program creates a default domain and a `comm_dssetup.pl` suffix for the dc tree, but nothing further is created for the dc tree — including support for the default domain.

Workaround:

Before installing Calendar Server, install Messaging Server using the same hosted (virtual) domains you want for calendaring. For information, see “Using Domains Created by Messaging Server” in Chapter 8 of the *Sun ONE Calendar Server 6.0 Administrators Guide*. If you do not plan to install Messaging Server, use the Directory Server `ldapmodify` tool and `ldif` files to add the required nodes to the dc tree. See the *iPlanet Messaging Server 5.2 Provisioning Guide* for instructions about how to create dc tree domain nodes.

Calendar Server services do not start in a Solaris 8 end-user installation (4947544) and Calendar Server requires SUNWzlib. (no bugid)

Calendar Server indirectly depends on `SUNWzlib (/usr/lib/libz.so.1)`, to support IS SSO C SDK libraries.

Workaround:

If your deployment encounters a problem starting on a Solaris 8 installation, install the Calendar Server Patch 116557-01 or newer.

Invitation messages for recurring events are sent incorrectly. (4945126)

When you invite external users to a recurring event, Calendar Server sends two requests. The first request displays all instances as RDATES, and the second request displays a single event on a single day.

When the recipient imports the event into their calendars, the first request creates the recurring series of events, while the second request creates a single event that conflicts with the first instance of the series—which can be very confusing for the user.

Outlook mode export button does not work. (4944130)

Do not use the Outlook Mode Export button provided by the Web user interface. You may not be able to import the exported data into Outlook.

Toolbar does not display properly. (4939219 and 4900115)

If you cannot read the labels on Calendar Server's toolbar icons, try adjusting your Browser's text size. For example,

- In Internet Explorer, select Text > Size > Medium from the menu bar.
- In Netscape 7/Mozilla, select View > Text Zoom > 100-120% from the menu bar.

The Medium setting in Internet Explorer and the 100-120% setting in Netscape 7/Mozilla should suffice for most users. *For Korean users*, some user interface text will be illegible by default and you may have to increase your text to a larger size, which will truncate the toolbar.

(Japanese Netscape7 only) 'TORIKESHI' line does not display correctly. (4938658)

Multiple day events created in Outlook are displayed incorrectly in Calendar Express. (4930664)

Events created in Microsoft Outlook that span multiple days will not display correctly in Calendar Express. For example, if you create an event in Outlook with a start time of Tuesday at 8:00 a.m. and an end time of Friday at 8:00 a.m., the event displays correctly in Outlook. However, in Calendar Express month view, the event displays as a one-day event on Tuesday with a duration of 72 hours. The event also displays incorrectly in Calendar Express' week view.

Leading white space in ics.conf causes fatal error when initializing configuration. (4927112)

Do not use white space at the beginning of lines in `ics.conf` or a fatal error will occur when you initialize the configuration.

Removing SUNWics5 causes error messages. (4927620)

If you use the Java Enterprise System uninstaller to remove Calendar Server packages without configuring them, the following error message will display in the Java Enterprise System uninstall log:

```
Fatal error: must run command as the calendar server user... root not allowed Server
needs to be run with user permissions of user root
```

You can safely ignore this message.

Disabled Calendar accounts can be reactivated by the affected user. (4926864)

After an administrator disables a user's Calendar account, the user can modify `icsstatus` and reactivate their disabled account.

Workaround:

To prevent users from reactivating their disabled Calendar accounts, the administrator must manually add access control information (ACI) to Directory Server as follows:

1. Create the `cn=Calendar Administrators,ou=Groups,o=acme.com` group and add the `calmaster` user to this group.
2. Create the following ACIs on `o=acme.com`:

```
(targetattr="icsstatus|userpassword|icsallowedserviceaccess||
icscalendar|icscalendarowned|icsdefaultset|icsdwpghost||icsextended||
icsextendeduserprefs|icsfirstday|icsfreebusy|icsgeo|icspartition||
icspreferredhost||icsquota|icsset|icssubscribed|icstimezone")
(targetfilter=(objectClass=icscalendaruser))(version 3.0; acl "Calendar User self
modification - product =ics6.0,class=admin,num=1,version=1" ; deny (write) userdn =
"ldap:///self"); (targetattr="icsstatus|
userpassword|icsallowedserviceaccess|icscalendar|icscalendarowned|
icsdefaultset|icsdwpghost||icsextended|icsextendeduserprefs|
icsfirstday|icsfreebusy|icsgeo|icspartition|icspreferredhost||
icsquota|icsset|icssubscribed|icstimezone") (targetfilter=(objectClass=
icscalendaruser))(version 3.0; acl "Calendar User administrator modification -
product=ics6.0,class=admin,num=2,version=1"; allow (write) groupdn =
"ldap:///cn=Calendar Administrators,ou=Groups,o=acme.com";)
```

Anonymous calendar is not localized. (4924982)**csdomain add command does not add Calendar Server attributes for a domain. (4920542 and 4922433)**

Using the `csdomain add` command to add Calendar Server attributes for an existing domain causes an LDAP error.

Workaround:

Use the `ldapmodify` utility to add Calendar Server attributes for a domain. For information about `ldapmodify`, see the *Sun ONE Directory Server Resource Kit Tools Reference*.

Comparison page cannot be printed properly in ko/ja locale. (4916961)**Server does not support parsing cn with language tags. (4899053)**

When searching for a user whose `cn` attribute contains a language tag, `cshttpd` halts and the user must restart the service to reconnect to the web server.

calid does not support non-7-bit characters in current release. (4898611)

Store WCAP commands fail with error numbers 10006 and 10003. (4865723)

When modifying a recurring event or todo, if a rid is not supplied with a Zulu time string, the `storeevents` and `storetodos` WCAP commands fail with error numbers 10006 and 10003.

Need message warning that a login is required when Time Zone is changed. (4719346)

When you change the time zone in Calendar Server, you must log out and log back in for the changes to take effect. Until you log in again, any new events will display in the times and dates of the original time zone.

Note that no message or pop-up window is provided to prompt you to log out and log in.

HASStoragePlus resource creation fails if order of FilesystemMountPoints is not correct. (4640848)

The creation of an `HASStoragePlus` resource fails if the order of the file-system mount points specified in the `FilesystemMountPoints` extension property is not the same as the order specified in the `/etc/vfstab` file.

Workaround

Specify file-system mount points in the `FilesystemMountPoints` extension property in the same order as their sequence in `/etc/vfstab`.

For example, if the `/etc/vfstab` file specifies file-system entries in the sequence `/a`, `/b`, and `/c`, the `FilesystemMountPoints` sequence can be either `"/a, /b, /c"` or `"/a, /b"` or `"/a, /c"`.

Connections aborted with TCP_IOC_ABORT_CONN in system log. (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
```

Workaround

None. These messages are informational only and should not show up in non-debug mode.

Cluster.PMF.pmf: Error opening procfs control file. (4490877)

When you start HA services or switch HA services between nodes, the following harmless error message displays on the console and in `/var/adm/messages`:

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

No fix is available for this Sun Cluster SC 3.0 U3.

Certain Calendar Server windows will not display if you have a Pop-Up blocker enabled. (no bugid)

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

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

Known Issues for User Management Utility for Sun ONE Messaging and Collaboration. (no bugid)

For a description of known issues in the User Management Utility for Sun ONE Messaging and Collaboration, refer to the “Known Issues” section of the *Sun™ ONE Messaging Server 6.0 Release Notes*, which are available at the following Internet location:

http://docs.sun.com/coll/S1_MsgServer_60

Known Localization Issues. (no bugid)

For a description of known issues related to Localization, refer to the “Known Issues” section of the *Sun™ ONE Messaging Server 6.0 Release Notes*, which are available at the following Internet location:

http://docs.sun.com/coll/S1_MsgServer_60

How to Report Problems and Provide Feedback

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

- Sun Software Support services online at
<http://sunsolve.sun.com/pub-cgi/show.pl?target=help/collections>
This site has links to the Knowledge Base, Online Support Center, and ProductTracker, as well as to maintenance programs and support contact numbers.
- 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. Email your comments to Sun at this address:

docfeedback@sun.com

Please include the part number (816-6715-10) and title (*Calendar Server 6.0 Release Notes*) in the subject line of your email.

Additional Sun Resources

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

- Documentation for Sun ONE Calendar Server 6.0
http://docs.sun.com/coll/S1_CalendarServer_60
- Sun ONE Documentation
<http://docs.sun.com/prod/sunone>
- Sun ONE Professional Services
<http://www.sun.com/service/sunps/sunone>
- Sun ONE Software Products and Service
<http://www.sun.com/software>
- Sun ONE Software Support Services
<http://sunsolve.sun.com/pub-cgi/show.pl?target=help/collections>
- Sun ONE Support and Knowledge Base
<http://www.sun.com/service/support/software>
- Sun Support and Training Services
<http://www.sun.com/supporttraining>
- Sun ONE Consulting and Professional Services
<http://www.sun.com/service/sunps/sunone>
- Sun ONE Developer Information
<http://sunonedev.sun.com>
- Sun Developer Support Services
<http://www.sun.com/developers/support>
- Sun ONE Software Training
<http://www.sun.com/software/training>
- Sun Software Data Sheets
<http://www.sun.com/software>

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Additional Sun Resources