Release Notes for Sun ONE Calendar Server

Version 5.1.1

Part Number 816-6413-10
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The Sun™ Open Network Environment (Sun ONE) Calendar Server 5.1.1 Release Notes document information available at the time of the release including:

- What's New in Calendar Server 5.1.1
- Problems Fixed in Calendar Server 5.1.1
- Calendar Server 5.1.1 Installation Notes
- Known Problems and Limitations
- Calendar Server 5.1.1 Documentation
- Calendar Server 5.1.1 Localization
- How to Report Problems
- Where to Find More Information
- Revision History

Sun ONE Calendar Server was formerly iPlanet™ Calendar Server.

Read this document before you install Calendar Server 5.1.1. For an online version, see the following documentation web site:

http://docs.sun.com/db/prod/s1calsrv

After you install and start using Calendar Server 5.1.1, check this web site periodically to view the most up-to-date documentation.

What's New in Calendar Server 5.1.1

In addition to performance enhancements and bug fixes, Calendar Server 5.1.1 includes the following new features:

- Installation Changes
- Calendar Express User Interface (UI) Enhancements
- LDAP Calendar Lookup Database (CLD) Plug-in
- Calendar Lookup Database (CLD) Cache
- New Time-Zone Parameters for WCAP Commands
- Calendar UI XML Tag Changes
- XSL Changes
- Enhanced cstool Utility to Ping ENS
- ENS Message Notifications Enhancements
- New Configuration Parameter for Inform About Event Option
- New Configuration Parameters for Locations of Lock, Process ID, and Counter Files
- Memory-Based File System for the Session Database
- Revised local.ugldapicsextendeduserprefs Parameter
- Default Time Zone in storeevents and storetodos WCAP Commands

Installation Changes

Calendar Server 5.1.1 has the following installation changes:

- Calendar Server 5.1.1 installation archive files identify localized versions by including language codes in the filename. See Installing a Localized Version.
- If you are performing an upgrade of Calendar Server, the installation program removes any out-of-date localized resources. See Removal of Out-of-Date Localized Resources.
- Text strings in XSL files have been converted to variables to simplify the localization process. See Variables in i18n.xsl Files for Localization.

Calendar Express User Interface (UI) Enhancements

Calendar Express 5.1.1 has many new UI enhancements that can help your end users to be more productive. These new features are described in the following document:

New Features for Calendar Express 5.1.1

Sun hopes you will make this document available to your end users so that they can take advantage of these new features.

LDAP Calendar Lookup Database (CLD) Plug-in

The LDAP Calendar Lookup Database (CLD) plug-in provides horizontal scalability of the calendar database by allowing user and resource calendars to be distributed over a number of back-end servers for a single Calendar Server instance. The LDAP CLD plug-in uses the `icsDWPHost` attribute to determine the back-end server where a calendar is located.

NOTE Calendar Server provides the algorithmic CLD plug-in for compatibility with older releases. The new LDAP CLD plug-in and interfaces, however, are not compatible with the algorithmic CLD plug-in. Customers who have written their own CLD plug-in will need to add the new interfaces to their plug-in for it to work with the Calendar Server 5.1.1. For more information, see the *Calendar Server 5.1.1 Programmer's Manual*.

In the Calendar Server 5.1.1 release, the major version number of the CLD plug-in has changed from 1 to 2. The minor version number is still 0. If you have written your own CLD plug-in, you must modify your plug-in to support this new major version number.

Sun strongly recommends that customers use the new LDAP CLD plug-in for a distributed database rather than the algorithmic CLD plug-in.

To support the LDAP CLD plug-in, Calendar Server 5.1.1 includes:

- New configuration parameters in the `ics.conf` file. For a description of these new parameters and how to configure the LDAP CLD plug-in, see the *Calendar Server 5.1.1 Administrator's Guide*.

- Changes to the `csuser`, `cscal`, and `csresource` utilities. See the *Calendar Server 5.1.1 Administrator's Guide*.
- New methods for the CSAPI `csICalendarLookup` programmatic interface. See the *Calendar Server 5.1.1 Programmer's Manual*.
- Changes to the Calendar Server LDAP schema. See the *Calendar Server 5.1.1 Messaging and Collaboration Schema Reference*.
- The `csmig` migration utility, which migrates a calendar database to support the LDAP CLD plug-in. For information about running `csmig`, see the *Calendar Server 5.1.1 Installation Guide*.

Calendar Lookup Database (CLD) Cache

The CLD cache option can improve the performance of the Calendar Server with the LDAP CLD plug-in by caching the DWP host server information (`icsDWPHost` LDAP attribute) for calendar users and thus reducing calls to the LDAP directory server.

To use the CLD database cache, make sure the following configuration parameter is set to "yes" (the default):

- `caldb.cld.cache.enable = "yes"`

Other configuration parameters used by the CLD cache option are:

- `caldb.cld.cache.logfilesizemb` specifies the maximum size in megabytes of the checkpoint file for the CLD cache. The default is "10".
- `caldb.cld.cache.mempoolsizemb` specifies the size in megabytes of shared for the CLD cache option. The default is "4".
- `caldb.cld.cache.maxthread` specifies the maximum number of database threads for the CLD cache option. The default is "1000".
- `caldb.cld.cache.homedir.path` specifies the location of database event, task, and alarm files for the CLD cache option. The default is the *server-root*`/var/csdb/cld_cache` directory.
- `caldb.cld.cache.checkpointinterval` specifies the number of seconds between checkpointing for the CLD cache option. The default is "60".
- `caldb.cld.cache.circularlogging` specifies whether to remove the checkpoint files after they are synchronized for the CLD cache option. The default is "yes".

New Time-Zone Parameters for WCAP Commands

- `tzidout` specifies the time zone for output values in fetch and store commands that have date/time values. This parameter reflects the time zone specified in the values for `dtstart`, `dtend`, and `dtdue` for events.
- `replace` specifies whether semicolon-separated values such as attendees are replaced or appended for the storeevents and storetodos commands. If 1, a value specified for any of the semicolon-separated attributes replaces the original value. If 0 (the default), values are appended.

For more information about these new parameters, see the *Calendar Server Programmer's Manual*.

Calendar UI XML Tag Changes

If you have customized your UI, consider the following changes:

- componentlist Tag Replaces listeventcanvas Tag
- New Attributes Added to weekcal, componentlist, monthcal Tags
- Populated XML for userctx Contains a New Attribute

componentlist Tag Replaces listeventcanvas Tag

In the 5.1.1 release, the `componentlist` tag replaces the `listeventcanvas` tag.

New Attributes Added to weekcal, componentlist, monthcal Tags

The `format="optimize"` attribute is added to the `weekcal` tag. When this attribute is used, the populated XML produced for the XSL is optimized, and the old XSL cannot be used to format it.

Code Example 1 shows the optimized format of the populated XML for `weekcal` tag. A declaration exists for each weekday in the week. (Saturday and Sunday can now be excluded.) These `weekday` declarations also include any all-day events and no-time tasks associated with the given day.

One `timeblock` declaration exists for each valid time block in the week. The earliest time block will be either defined by the user's start of day or by the earliest event/task in any day of the week (whichever comes first). The last valid time block is defined by the user's end of day or the latest event/task in any day of the week, whichever is later.

The numIntervals indicates how many table cells this event group will need. If the number of cells is greater than 1, the event group spans multiple time blocks. If the number is 0, the table cell was used in a previous row. Within a weekday, events are still listed as componentGroups.

Code Example 1 Optimized Format of the Populated XML for the weekcal Tag

```
<weekcal format="optimize">
<weekday iso="20020303T000000" year="2002" month="03" date="03"
hour="00" minute="00" seconds="00" dow="1" weeknum="10">

<command>
javascript:parent.jmain.newViewCommand('dayview:main','20020303T000000',
'true','calid','jsmith')
</command>

<command>
javascript:parent.newPopupCommand('new_event','fillindate','&amp;tab=1&amp;cal
id=jsmith','extraargs','1015350936','700','650')
</command>

</weekday>
          <timeblock>
            <StartTime iso="20020303T090000" year="2002" month="03" date="03"
hour="09" minute="00" seconds="00" dow="1" weeknum="10"/>
            <EndTime iso="20020303T100000" year="2002" month="03" date="03"
hour="10" minute="00" seconds="00" dow="1" weeknum="10"/>
            <weekday numIntervals="1"/>
            <weekday numIntervals="1"/>
            <weekday numIntervals="1"/>
            <weekday numIntervals="1"/>
            <weekday numIntervals="1"/>
            <weekday numIntervals="1"/>
            <weekday numIntervals="1"/>
          </timeblock>
</weekcal>
```

The showbusylist="" attribute is added to the monthcal, componentlist, and weekcal tags. When showbusylist="" is included, the populated XML also contains free / busy block information for those calendars being viewed that provide availability access but not read access. The free / busy information is interspersed with the usual component information in the following format. For example:

```
<Busy e_Calid="jsmith" e_Calid_encoded="jsmith">
      <StartTime iso="20020328T120000" year="2002" month="03" date="28"
       hour="12" minute="00" seconds="00" dow="5" weeknum="13"/>
      <EndTime iso="20020328T130000" year="2002" month="03" date="28"
       hour="13" minute="00" seconds="00" dow="5" weeknum="13"/>
</Busy>
```

Populated XML for userctx Contains a New Attribute

The XML of the `userctx` tag has not changed, but the populated XML now also contains a user attribute indicating the user's language character set. For example:

```
<user name="john" firstName="John" lastName="Smith" fullName="John Smith"
mail="john.smith@sesta.com" language="ja"/>
```

XSL Changes

The XSL changes in this release are extensive. To retain all of your own XSL, you can pick up all the new XML files, but you will need to remove the following new attributes:

- `format="optimize"` and `showbusylist=""` in `weekcal`
- `showbusylist=""` in `monthcal` and `componentlist`

Your XSL will not know how to handle the XML generated by these attributes.

The XSL changes modify the look and operation of the user interface in response to usability feedback on the Calendar Server 5.1 release. In particular, the New Event, New Task, New Group, User Search, and Repeating Event or Task dialogs are very different. Also, the Week view and Month view have been optimized to improve performance.

Most of the XSL files have changed; however, the files that have changed extensively are new_event.xsl, new_task.xsl, new_group.xsl, search_for_calendars_common.xsl, search_for_cals.xsl, weekview.xsl, monthview.xsl, and i18n.xsl.

Variables in i18n.xsl Files for Localization

The visible text strings in the XSL files have been converted to variables to simplify the localization process and are in the respective i18n.xsl file for each language (Bug ID 4537676). The XSL files are installed in the following directories:

server-root`/cal/bin/data/`*language*

where *language* identifies the specific language code.

You can localize the i18n.xsl file as required at your site. The i18n.xsl file contains the text strings referenced in non-localized XSL files as well as the text strings used in date_format.xsl (which is localized). You need to localize date_format.xsl only for languages whose format or layout differs from English.

Enhanced cstool Utility to Ping ENS

The `cstool` utility now allows you to ping the Event Notification Service (ENS) service (`enpd` process) running on a local or remote server. The following command pings the ENS server as determined by the `local.hostname` parameter in the `ics.conf` file:

```
./cstool ping ens
```

You can also use these options to ping an ENS service running on a remote server:

- `-h host` specifies the host name of the remote server where the ENS service is running.
- `-p port` specifies the port for the ENS service.

For a description if the `cstool` requirements and other options, see the *Calendar Server Administrator's Guide*.

ENS Message Notifications Enhancements

ENS message notifications include these enhancements:

- Clients and web services accessing Calendar Server using certain WCAP commands can have the source of the command specified in a subsequent ENS notification message.

  See New WCAP Parameter and X-Tokens for ENS Notifications.

- Modify event notifications can differentiate between a reply, refresh, or modify for an event by publishing to a specific topic for each transaction. This allows the consumer of the notification to know the type of transaction that triggered the notification.

  See New ics.conf Parameters for ENS Notifications.

For problems related to these features, see:

- cscomponents delete does not trigger ENS notification (4725163)
- import.wcap does not trigger ENS notification (4729674).

New WCAP Parameter and X-Tokens for ENS Notifications

The new optional run-time application ID (`appid`) parameter allows certain WCAP commands to have the source of the command specified in an X-Token in a subsequent ENS message. The `appid` parameter is a user-supplied character string that accepted by these WCAP commands:

- storeevents and storetodos
- deleteevents_by_id and deletetodos_by_id
- deletecomponents_by_range, deleteevents_by_range, and deletetodos_by_range – ENS notifications are not yet implemented.
- import – ENS notifications are not yet implemented. See import.wcap does not trigger ENS notification (4729674).

Note: The `appid` parameter is a run-time value and is not stored in the database. Therefore, the WCAP output or any exported events will not have the X-Tokens defined.

New X-Tokens for ENS Notifications are X-NSCP-COMPONENT_SOURCE and X-NSCP-TRIGGERED-BY:

- X-NSCP-COMPONENT_SOURCE specifies the origin of the request. If `appid` is included in one of the previous WCAP commands, X-NSCP-COMPONENT_SOURCE will contain the `appid` string.

  If `appid` is not included in the WCAP command, or if the origin of the request is Calendar Express or a Calendar Server administration utility, X-NSCP-COMPONENT_SOURCE will have one of these values:

  - CALENDAR EXPRESS–Request origin is the current Calendar Express UI.
  - ADMIN–Request origin is a Calendar Server administration utility. ADMIN is not yet implemented.
  - WCAP–The `appid` was not specified in the WCAP command.
  - CAP–Request origin is the CAP interface (reserved for future use).
- X-NSCP-TRIGGERED-BY specifies the user ID of the organizer or attendee that triggered the notification.

For more information, see the *Sun ONE Calendar Server Programmer's Manual.*

New ics.conf Parameters for ENS Notifications

To differentiate between a reply, refresh, or modify for an event in ENS notifications, Calendar Server includes the new configuration parameters described in the following table. To use this enhancement, the caldb.berkeleydb.ensmsg.advancedtopics parameter must be "yes".

Table 1 New ics.conf Parameters for ENS Message Notifications

Parameter Name	Parameter Description
caldb.berkeleydb.ensmsg.advancedtopics	Specifies how modify event notifications are published: • "yes"–Modify event notifications differentiate between reply, refresh, or modify transaction by publishing to the respective topic: caldb.berkeleydb.ensmsg.replyevent, caldb.berkeleydb.ensmsg.refreshevent, or caldb.berkeleydb.ensmsg.modifyevent. • "no"–Modify event notifications are published to the caldb.berkeleydb.ensmsg.modifyevent topic, regardless of whether the transaction is a reply, refresh, or modify. The default is "no", which is the same behavior as the Calendar Server 5.1 release.
caldb.berkeleydb.ensmsg.refreshevent	Specifies ("yes" or "no") whether Calendar Server should create an ENS message when an event is refreshed. The default is "no".
caldb.berkeleydb.ensmsg.refreshevent.contenttype	Specifies the content type of the message data for the refresh of an event. Values can be "text/xml" or "text/calendar". The default is "text/xml".
caldb.berkeleydb.ensmsg.refreshevent.url	Specifies the URL for the ENS message for the refresh of an event. The default is "enp:///ics/caleventrefresh".
caldb.berkeleydb.ensmsg.replyevent	Specifies ("yes" or"no") whether Calendar Server should create an ENS message for a reply to an event. The default is "no".
caldb.berkeleydb.ensmsg.replyevent.contenttype	Specifies the content type of the message data for a reply to an event. Values can be "text/xml" or "text/calendar". The default is "text/xml".
caldb.berkeleydb.ensmsg.replyevent.url	Specifies the URL for the ENS message for a reply to an event. The default is "enp:///ics/caleventreply".

For more information, see the *Sun ONE Messaging and Collaboration Event Notification Service Manual.*

ics.conf Parameters Reserved for Future Use in ENS Notifications

The `ics.conf` file also includes the following new configuration parameters. These parameters, however, are reserved for future use and are not used in the current release.

- caldb.berkeleydb.ensmsg.refreshtodo
- caldb.berkeleydb.ensmsg.refreshtodo.contenttype
- caldb.berkeleydb.ensmsg.refreshtodo.url
- caldb.berkeleydb.ensmsg.replytodo
- caldb.berkeleydb.ensmsg.replytodo.contenttype
- caldb.berkeleydb.ensmsg.replytodo.url

New Configuration Parameter for Inform About Event Option

The Calendar Express Inform About Event option is now configurable with the following parameter in the `ics.conf` file:

```
ui.eventdialog.inform.enable = "no"
```

By default, this parameter is set to "no". To have Calendar Express display the "Inform About Event" option when Calendar Express users create or edit an event, set this parameter to "yes".

New Configuration Parameters for Locations of Lock, Process ID, and Counter Files

To set the locations of lock, process ID (PID), and counter files, use the following new `ics.conf` parameters:

- `local.instance.lockdir.path` specifies the location where lock files for this server instance are stored. The default is the *server-root*`/cal/bin/lock` directory.
- `local.instance.pidfile.path` specifies the location where PID files for this server instance are stored. The default is the *server-root*`/cal/bin/config` directory.
- `local.instance.counter.path` specifies the location where counter files for this server instance are stored. The default is the *server-root*`/cal/bin/counter` directory.

Memory-Based File System for the Session Database

To improve performance on Solaris systems, you can configure a memory-based file system (`tmpfs`) for the session database by setting the new `ics.conf` parameter `local.instance.use.tmpfs` to "true". The `tmpfs` file system is then overlaid based on the values of the `service.http.sessiondir.path` and `service.admin.sessiondir.path` parameters.

For more information, see the `tmpfs(7FS)` and `mount_tmpfs(1M)` man pages for the Solaris documentation.

Revised local.ugldapicsextendeduserprefs Parameter

The `local.ugldapicsextendeduserprefs` parameter in the `ics.conf` file has these new settings:

- `ceExcludeSatSun` indicates whether a user has checked the First Day of the Week option to "Exclude Saturday and Sunday from week and month views."
- `ceGroupInviteAll` indictates whether a user has checked the Group Invitations option: "When creating an event while displaying a calendar group, invite all the calendars in the group."

Default Time Zone in storeevents and storetodos WCAP Commands

Starting with the Calendar Server 5.1.1 20020924 hotfix, the `storeevents` and `storetodos` WCAP commands use the default Calendar Server time zone in invitation and reminder email messages for new events and todos (tasks).

In releases before this hotfix, if the `tzid` parameter is omitted, the `storeevents` and `storetodos` commands use GMT for the start and end times in invitation and reminder email messages. For more information, refer to Bug ID 4730931.

Problems Fixed in Calendar Server 5.1.1

The problems fixed in the Calendar Server 5.1.1 release are grouped as follows:

- Installation Problems Fixed
- Client and User Interface (UI) Problems Fixed
- Other Calendar Server Problems Fixed (administration, authentication, CLD, core, CSAPI, database, DWP, and WCAP)
- Internationalization (i18n) and Localization (l10n) Problems Fixed

Installation Problems Fixed

Table 2 lists the installation problems fixed in the Calendar Server 5.1.1 release.

Table 2 Installation Problems Fixed in Sun ONE Calendar Server 5.1.1

Bug ID	Bug Description
4535979	DWP server does not have CPU binding.
4539473	Localized resources need to be separable.
4547424	Separate patch checking should be triggered for each localization component.
4632993	Calendar Server startup fails if CLD cache directory doesn't exist.
4639133	Installation fails on patch check on 2.8+ recommended patch cluster.
4643403	Schema file `60iplanet-calendar.ldif` is not installed to iDS 5.1 server.
4647093	Installation program does not update schema if LDAP server was used with earlier 5.x release.
4652210	Calendar Express login page has typos.
4658713	java.lang.NumberFormatException occurs during installation.
4660238	start-cal command fails after installation in German locale on Windows NT.
4660649	Installation program returns error checking patches.
4677135	Support added for LDAP Calendar Search enable parameter (service.calendarsearch.ldap).
4682241	Rebrand installation program from iPlanet to Sun ONE.
4684117	Debug message is displayed during installation.

Table 2 Installation Problems Fixed in Sun ONE Calendar Server 5.1.1 *(continued)*

Bug ID	Bug Description
4692215	Sun-Netscape Alliance is still present in installation program.
4697660	60iplanet-calendar.ldif file did not get updated on the LDAP server.
4705812	Installation program prompts for LDAP schema update even if LDAP server was just updated.
4708693	In Save Customizable Files, remove the “Save Files in their same directories” option.
4713634	Install support added for flexible packages and delivery of localizable resources.
4716493	Add zh_TW to Chinese package for install program.
4717726	Installation program should verify Calendar Server LDAP schema with object class and OIDs.
4718383	Installation program threw exception when finishing installation.
4719552	Install program causes a problem updating schema on Netscape Directory Server 4.12.
4722618	In Japanese release, a task is missing after upgrade.
4723725	Chinese and Japanese packages are installed in the EMEA release.
4728040	HP-UX installation program should remove patch verification message.
4737773	Installation program cannot update the Calendar Server schema files on LDAP server.

Client and User Interface (UI) Problems Fixed

Table 3 lists the client and Calendar Express user interface UI problems fixed in the Calendar Server 5.1.1 release.

Table 3 Client and User Interface (UI) Problems Fixed in Sun ONE Calendar Server 5.1.1

Bug ID	Bug Description
4523759	Weekly view for recurring event displays 2 rows labelled 1:00 am.
4525153	View not updated when a calendar is deleted.
4525578	Aspirin brings up new event with incorrect time in group's overview.
4527844	Modification required on the Availability screen.
4529246	Calendars disappear after subscribing to calendars using Internet Explorer on Windows NT.
4531420	UI needs to reduce the number of screens and keystrokes for new events and tasks.
4532448	Users are asking to remove Inform functionality.
4535964	System does not accept more than 76 users for calendar privacy settings.
4536079	Comparison view has problems with calendars of different time zone settings.
4536084	Availability permission is not straightforward to end users.
4536209	Calendars with long names cause problems with tab in overview.
4536318	Events created using aspirin in group comparison view shows inconsistent data.
4536682	Javascript error occurs after unsubscribing to a calendar.
4537243	Creating events while in Group View fails.
4537326	If read is checked but not availability, availability problems occur for user.
4537333	Disable "Edit Properties" link when user doesn't have permission to edit subscribed calendar.
4537462	RFE to redesign repeating event and task dialogs in Calendar Express UI.
4537464	RFE to redesign mini calendar in Calendar Express UI.
4537466	Default privacy setting should be "Availability" and not nothing.
4537470	RFE to redesign subscribe.
4537475	Compose event window is redesigned.
4537479	Compose availability - provide a legend for color codes.
4537630	In the Comparison View, an error on the calendar occurs if an event is declined.
4537631	Privacy tab not populated correctly when creating new calendar.
4537640	When viewing a read-only calendar, the OK button should be removed from event.

Table 3 Client and User Interface (UI) Problems Fixed in Sun ONE Calendar Server 5.1.1 *(continued)*

Bug ID	Bug Description
4537642	In the Comparison View, the aspirin icon to create a new event does not preload attendees.
4537676	Strings in XSL files need to be separable.
4538370	No provision is available for inviting groups to events.
4538470	When viewing group, Task box should only show cummulatives for user's ACLs.
4538603	Users should not be allowed to accept invitation in view-only mode.
4538651	Scheduling event in group view using aspirin should invite all calendars in group.
4538697	User can't display week view using Netscape Navigator 6.
4538836	The "forever" selection lasts only a few months when an event is repeated daily.
4538863	Availability plus schedule ACLs make a calendar invisible.
4539070	RFE to provide auto-complete or help in filling the invite list in Calendar Express UI.
4539123	In the recurrence dialog, pre-select the values in the Repeat On radio buttons.
4540121	RFE to allow user to define the order of subscribed calendars.
4541309	Recurring event over DST cross (e.g. 10/28/00-10/29/00) displays incorrectly in week view.
4546803	Event invitees are lost when selecting a calendar to store an event.
4549023	Cursor should be active in first field of screen when information is entered.
4554327	Ability needed to remove Saturday and Sunday from calendar views (RFE).
4554511	When searching for invitees, UI needs to stay in search window (RFE).
4554783	In Month view, calendar view defaults to Overview after user changes options.
4561534	When using a calendar's own time zone for display, the date not always correct.
4607517	Calendar doesn't show up in Calendars page after being created.
4611668	Japanese messages of icons overlap with other icons, and large text overlaps under icons.
4614155	All-day confidential event is not shown correctly in Week view for non-calendar owners.
4615573	Calendars with long names cause calendar list box problems.
4616786	User needs to create calendar groups without subscribing to individual's calendars (RFE).
4619466	Group view is showing conflicts for the same event.
4620857	Long title, location, and description for tasks should be displayed.
4624733	When changing certain time zones, event times get moved with 1/1/1970 date.
4625255	Calendar Server stops for a year earlier than 1970.
4627545	HTML is rendered on the Event Summary page even when service.http.renderhtml = no.

Table 3 Client and User Interface (UI) Problems Fixed in Sun ONE Calendar Server 5.1.1 *(continued)*

Bug ID	Bug Description
4628776	The word “forever” in repeating events is misleading (RFE).
4628979	When viewing a group in week or month view, the calids are displayed twice for a task.
4635058	Resources and Groups icons are missing in the search page.
4637661	Week view doesn't show all events.
4637667	All day events do not have quick delete icon (X) in week view.
4637758	Not Due and No Time Date and Time fields become inaccessible.
4638237	Time-zone buttons are gone from Edit Calendar Group.
4638304	Wrong date is set by default when you click aspirin icon while in 5-day view.
4638468	All-day events created forever do not display correctly in week view.
4638539	Month view doesn't show Monday-Friday preference.
4640619	Searching should be more user friendly (RFE).
4643123	It’s inconvenient to enter February 29 (2/29/2004) using jump-to or quick jump feature.
4644008	Calendar stops for a year after 2037.
4645213	JavaScript error occurred on Jump to Date.
4646966	csimport utility doesn’t work for a large list of recurring events.
4647878	Shortcut delete icon does not work for non-default calendars when part of a group.
4647910	Bad display occurred for an event starting at 11 p.m. for 1 hour in week view.
4647913	Blank view with “True” occurs while using quick delete (X) icon to delete events or tasks.
4647913	Ugly UI transition when using quick delete (X) icon to delete events and tasks on Windows NT.
4649440	Need to remove space on the Change Repeat Pattern link.
4651407	Font size preference isn't fully propagated in Calendar Express UI.
4652100	Calendar Express UI user cannot add event across months.
4653332	User cannot reply to all the instances for a repeating event (RFE).
4655357	Problem occurs in Event Entry from week view in Australia/Sydney time zone.
4655683	User is unable to change repeating event using Internet Explorer 5.5.
4656649	Invitee error occurs for Invite and QuickInvite of resource calendar.
4658530	Calendar search has “----????----” as a pull down selection.
4663651	Problem occurred selecting another calendar user’s calendar from the drop-down selection.
4666006	DST crossover on first day of week in week view causes time blocks to be wrong.

Table 3 Client and User Interface (UI) Problems Fixed in Sun ONE Calendar Server 5.1.1 *(continued)*

Bug ID	Bug Description
4666816	Task of future date is not displayed in the action items.
4667168	Missing white spaces are visible when displaying the overdue tasks in overview.
4670563	Search page remains blank when user tries to remove tasks from search results.
4671110	Calendar Server cannot create a new task when user ID (uid) is different from the calid.
4672463	All dialog online help links are broken.
4673939	In Calendar Express Overview, “Due at” is missing a space before the due date.
4675036	Posting a repeating daily event does not work in certain scenarios.
4675040	Events created from a group do not have the common name for the attendees.
4678095	Calendar Express is missing ":" in “Today is: *date*” in printable views.
4679428	Calendar returns to previous week when switching from day view to week view.
4689281	Usr can't delete another user's task with just delete permission.
4689389	User is unable to set a reminder for a Specified Time.
4697811	Calendar ID (calid) is not displayed on Availability tab for new event.
4698613	After unsubscribing to a calendar, calendar is listed again in the list after refresh view.
4699105	Calendar ID (calid) is not displayed in the pull-down menu for anonymous access.
4703618	Clicking on event/task in group view returns Bad Request if group name has white space.
4708856	Presentation of overdue events has problems when using German release with Netscape 6.
4712372	Changing the repeat pattern of a task causes a loop to change date.
4723198	Calendar Express JavaScript dialog box loop occurs on task without a date/time.

Other Calendar Server Problems Fixed

Table 4 lists all other problems fixed in the Calendar Server 5.1.1 release, including administration, authentication, calendar lookup database (CLD), core, CSAPI, database, DWP, and WCAP problems.

Table 4 Other Problems Fixed in Sun ONE Calendar Server 5.1.1

Bug ID	Bug Description
4523805	Multiple daily tasks are created incorrectly.
4524444	Common Name is not used when csuser creates a user.
4524882	csstart utility is having problems starting ENPD process.
4525736	Calendar Server 5.0 patch 4 fails to add the required number of recurring events.
4527368	Running utility on a user who is not enabled means user can only be enabled from utility.
4527479	Front-end cshttpd process has unexpected results while deserializing.
4532688	Different time string in dtstart / dtend / due returned with store commands.
4535365	WCAP: Parameters size maximum is 1000 characters.
4535785	“maxResults” field ignored in all WCAP requests.
4535992	User is unable to update / remove email addresses from the attendees field using WCAP.
4536179	Users can't unsubscribe from calendars.
4536390	Asia / Tehran time zone is not displayed in UI Options Setting.
4537239	Modifying an already created recurring event changes the “allday” status of an event.
4537470	Subscribe UI dialog needs to be redesigned (RFE).
4537871	cshttpd process has problems trying to delete a calendar with long calendar ID (calid).
4538274	Users can add only one Calendar at a time using “Add Calendars to Group”.
4538842	No message returned upon clicking Search.
4539252	csbackup utility returned “Backup failed” error.
4541388	UIDs greater than 33 characters cause cshttpd process to use 100% CPU.
4555881	Completed tasks may or may not appear in Task List window.
4555984	Strings of junk characters in task Title are rendered outside the input field.
4556258	User can open a non-existent calendar to produce “unknown errors”.
4620227	Add processor binding for DWP server.
4621169	Calendar Server performance is exceptionally slow.
4621206	cscal -v list *calendar-name* command doesn't show calendar time zone.

Table 4 Other Problems Fixed in Sun ONE Calendar Server 5.1.1 *(continued)*

Bug ID	Bug Description
4621310	ics.conf file needs to be cleaned up.
4621972	Default reminder time for all-day event is not configurable.
4624162	Creating an all-day event using icon (+) on week view for a group is broken.
4625814	csexport utility fails on two calendars.
4626663	Two addresses in invite line separated by semicolon (;) will stop cshttpd process.
4627382	cshttpd process stopped for no immediately apparent reason.
4627561	ENS doesn't send “cancel-completed” for delete messages.
4628734	A message seems to be truncated in chcncpt.htm file.
4629321	WCAP fetch request problem occurs for certain time zones.
4629838	Specifying an invalid date for new event on Windows causes an infinite loop.
4635055	User is able to locate another user via invitation but not when subscribing to a calendar.
4636568	Netscape Communicator 4.7x on SunRay accessing Calendar Server 5.x locks up the client.
4636951	cshttpd process has unexpected results.
4637024	WCAP fetchcomponents_by_range returns all the tasks without considering the time range.
4638240	Login authentication reported as failed when LDAP CLD back-end server is down.
4640107	cshttpd has unexpected results for UI automatic test for create calendar.
4641883	Unexpected results occurred on SunIT build.
4641935	csadmin stopped due to calendar database problems.
4642573	csadmind problems starting, and system is going down frequently.
4643085	WCAP command cannot delete calendar, and error 11 is returned.
4643237	Creating users in calendars hangs the server and creates unexpected results.
4643301	Unexpected results occur in SunIT build.
4643758	WCAP change_password.wcap command with invalid session ID can stop cshttpd process.
4643763	LDAP error 65 is returned when using csuser to create new users.
4643766	New changes in cscal give incorrect / inconsistent default value for ACEs.
4645160	Repeat until doesn't work as expected while creating repeating events.
4645423	Tasks that are due beyond user's end hour are not displayed in week view.
4648260	Sun | Netscape Alliance image is in install program.
4648639	Error message for year limit (2038) doesn't make sense.

Table 4 Other Problems Fixed in Sun ONE Calendar Server 5.1.1 *(continued)*

Bug ID	Bug Description
4649358	Broken HTML code is in chcncpt.htm file.
4649365	Broken HTML code is in chopts.htm.
4649401	Unnecessary link is in the chfaq.htm file.
4649729	cscal utility reports to have deleted a calendar that doesn't exist.
4649739	Calendar Server dies viewing day of calendar not owned by user.
4650013	If calid does not match any regular expressions, calendar is created locally.
4651445	Need for multiple spindles on access layer (front-end) calendar hosts.
4653106	Calendars in Group view are automatically included in invitee list.
4653887	Sessions database defaults to the /opt directory.
4654196	cscal utility does not report or use system or Calendar Server time zone.
4654983	RFE: cstool utility is enhanced to allow ping of ENS process.
4655675	cshttpd process is hung and users cannot login.
4660217	ics2migrate utility cannot run from 20020328 5.1.1 installation.
4663318	WCAP deleteevents_by_id invokes different ENS response since patch update.
4663383	Link is missing in chchcpt.htm file in Calendar Express online help.
4663383	Link is missing in chchcpt.htm file.
4663997	Deleting invitation from which you are not an attendee causes unexpected results for HTTP.
4665399	csuser sets wrong ACL when creating default calendars for new users.
4665503	Attendee CN information is missing in the WCAP output involving GSE.
4666576	Calendar Server hangs on second login with user ID that contains more than fives zeroes.
4666976	cscomponents utility lists events beyond specified range.
4667881	Attendee reply status get reset when organizer modifies non-critical fields.
4667883	Bad GSE component state exists for events.
4669024	Some cshttpd processes stopped and caused unexpected results.
4670288	In Administrator's Guide, HTML rendering description needs correction.
4670288	HTML rendering support needs correction in documentation.
4670997	ics.conf file needs updating for new LDAP server and references to local domain.
4673465	Search cannot find calendar in subscribed list if common name is used.
4674271	GSE poor performance - read each event enumerate the entire calendar.

Table 4 Other Problems Fixed in Sun ONE Calendar Server 5.1.1 *(continued)*

Bug ID	Bug Description
4674277	Incorrect GSE error messages is in admin.log.
4674278	GSE WBT has problems due to a check-in on Oct. 22, 2001
4675630	csadmind process stopped and won't restart.
4675988	csadmind process has unexpected results each time it starts.
4676777	WCAP cannot change all-day event to non-all-day event.
4679172	Assertion failure occurs when running delete_repeat_daily_event with debug source tree.
4684180	On HP-UX, start-cal fails due to unresolved symbol userattr_init().
4686017	cscal has unexpected results when LDAP server is not updated with latest schema.
4686102	LDAP error 2: Protocol error occurs when using cscal to delete calendar.
4687350	Test case func_calprops_edge.1.1.49 causes cshttpd to stop.
4689991	Calendar Server overwrites the calendar display name during WCAP tests.
4690246	csuser does not follow new icsSubscribed format when creating new users.
4691494	Calendar Express login with invalid password returns with error code of -278701188.
4691595	icsCalendar attribute is not added to LDAP server for a first time user login.
4691611	Attendee alarm is lost if organizer resends the invitation.
4693255	service.httpd.commandlog parameter stops cshttpd at functional test func_events_edge.
4695060	Multiple cshttpd process problems, invitation handling blocked, and database errors occurs.
4695454	Admin cannot create a new user from command line using csuser utility on HP-UX.
4695864	csuser utility cannot create calendar for users after they are reset.
4695872	csuser enable command does not follow the new icsSubscribed format.
4696278	csimport command caused Segmentation Fault.
4696545	Changes to appearance attributes changes week definition attribute.
4698242	Event details appended with &# when apostrophe is used.
4700764	RFE: Implement cscal reset command.
4701752	chttpd process has unexpected results when migrating from Netscape Calendar Server to iCS.
4703453	Quick Delete icon displays a split screen after being clicked, but does not delete event.
4703471	Memory leak occurs under consistent, light load.
4704290	Dates for all-day events not exported correctly though csexport utility.
4706624	Sun ONE logo doesn't display on all help files.

Table 4 Other Problems Fixed in Sun ONE Calendar Server 5.1.1 *(continued)*

Bug ID	Bug Description
4706706	get_userprefs response does not include icsCalendarOwned and icsDwpHost entries.
4707334	LDAP CLD plug-in should not allow creating calendar when user is on a different BE server.
4708620	Front-end cshttpd process stopped during startup with invalid ics.conf settings.
4709903	csuser enable should restore icsDWPHost in a LDAP CLD setup.
4709912	uid is not populated in LDAP by csresource command.
4711312	Calendar Server logout generates non-compliant header causing Portal Server problem.
4714385	Calendar Server HTTPD process stopped due to memory leaks.
4714385	httpd stopped on internal server (version 5.1.1 EA build 20020424).
4714472	csresource lists icsDWPHost attribute when not in verbose mode.
4715265	csuser/csresource should not allow create if -h option has host name different than local host.
4715269	stop-cal and csstop utilities hang while trying to stop Calendar Server.
4717492	No-time tasks are shown as overdue.
4717497	New Event on Week View shows date of 1/01/1970.
4717499	Default Initial View is not kept when moving to menus and then returning to a view.
4719292	Stopping HTTP service on Windows NT generates an error 2186 and stops one process.
4722970	On Windows NT, csadmind and cshttpd processes stop as soon as they get started.
4724701	cshttpd has unexpected results with Calendar Server 5.1.
4731941	Unresolved symbol message occurs during start-cal on HP-UX CLD setup.

Internationalization (i18n) and Localization (l10n) Problems Fixed

Table 5 lists the internationalization (i18n) and localization (l10n) problems fixed in the Calendar Server 5.1.1 release.

Table 5 i18n and l10n Problems Fixed in Sun ONE Calendar Server 5.1.1

Bug ID	Bug Description
4525651	Subject is blank if tasks or events contain international characters.
4526702	Localized event reminder email message with attendees contains extra information.
4528645	Event request email message has no subject and corrupt characters in body.
4546813	Localized messages for some strings do not show up in Simplified Chinese locale.
4628091	Localization property resource files need to be removed from installation.
4645223	cshttpd process stops in Japanese localized version.
4658253	Sections are missing from the default_user_prefs.xml files for non-English languages.
4658714	View, Calendars, Groups, and Options are not internationalized.
4659396	OK button in New Group dialog is not internationalized.
4659397	North / South America, Europe / Africa, Asia / Pacific Rim are not internationalized.
4659412	Notification email message headers are in English in localized releases.
4659435	User and owner name are not internationalized.
4660369	Default i18n.xsl file for German locale is not acceptable.
4660680	Time string in event availability dialog is not internationalized.
4661209	Many punctuations in Calendars tab are not moved into i18n.xsl file.
4661212	“Subscribed” in Calendar Search dialog is not internationalized.
4661213	“Edit” in Calendars tab is not internationalized.
4661217	Punctuations in Calendar Group are not localized.
4662005	Punctuations and strings in Option panel are not internationalized.
4662008	Punctuations and strings in New Event are not localized.
4662019	UI should not use “*lastname’s* calendar” in Task List window.
4662020	Punctuations are not internationalized in Task List window.
4662021	Punctuations are not internationalized in home panel.
4662024	“Welcome *first-name last-name*” is not acceptable in some countries.

Table 5 i18n and l10n Problems Fixed in Sun ONE Calendar Server 5.1.1 *(continued)*

Bug ID	Bug Description
4662025	Strings and punctuations are not localized in Printable window.
4662039	String and punctuation in User Search window should be localized.
4663395	Calendar Express Appearance dialog can't change color scheme to last choice.
4664877	Reminders form is not internationalized.
4664894	Edit Event form Calendar field is partially hidden.
4664900	View form date format is not internationalized.
4665418	Recurrence form Repeat Pattern is not internationalized.
4665500	Time Zones form is not internationalized.
4665580	Export form Date Range is not internationalized.
4665582	Import form Date Range is not internationalized.
4665606	Calendar Search search interface is not internationalized.
4665994	Localizable strings are not added to the i18n XSL file.
4666399	To localize the message correctly, engineer has to edit XSL files under data directory.
4667128	"Do you want to delete this task/event?" message is not internationalized.
4670561	Punctuations are not internationalized in search result dialog.
4670596	Email message with umlauts is not formatted correctly.
4671741	ENS email message is not displayed properly when accented character is used.
4671743	In day view, there are no tool tips displaying for the aspirins in localized build.
4671773	Event time display is not correct in Japanese version for events in the afternoon.
4673973	Various places in UI with multi-part message won't localize properly.
4675330	In Calendar Express recurrence dialog, Events is not translated.
4689269	Calendar Express needs a space between "Repeat" and repeat patterns.
4689284	Event notification email is not displaying properly when an accented character is used.
4690759	English text or punctuation appears in non-localized XSL files.
4691345	Missed punctuation fix in common_view.xsl due to segv.
4698992	Event reminder or task reminder has incorrect display in zh release.
4698997	Asia/Taipei time zone needed in Calendar Server 5.1.1.
4704855	"Overdue" extends beyond Action Items box in localized version.
4709766	Grey series color schemes not work in zh_CN locale.

Table 5 i18n and l10n Problems Fixed in Sun ONE Calendar Server 5.1.1 *(continued)*

Bug ID	Bug Description
4710923	Mail header is encoded in US-ASCII.
4712363	zh-TW user default setting displayed error when time zone set to “Asia/Taipei”.
4715294	Locale event notification via email is broken.
4715297	In German version, mail_eventpublish.fmt has incorrect term.
4715749	Calendar Server cannot be installed in Asian locales.
4717494	Javascript errors occur in French release.
4725586	Login page displays corrupted login button in localized release using Internet Explorer.
4727200	Inconsistent path names to source i18n.xsl files are created.

Calendar Server 5.1.1 Installation Notes

CAUTION Sun ONE Calendar Server does not support Network File System (NFS) mounted partitions. Do not install or create any part of the Calendar Server, including executable, database, configuration, data, temporary, or log files, on an NFS mounted partition.

This section contains information you should know before you install Calendar Server 5.1.1, including:

- Required Installation Privileges
- Supported Software Platforms
- Directory Server Requirements
- Hardware Requirements
- Client Software Recommendations
- Planet Portal Server Support
- Calendar Server 5.1.1 Installation Considerations
  - Installing a Localized Version
  - Removing Pre-Hotfix Files
  - Saving Customizable Files During Installation
  - Migrating Data to Sun ONE Calendar Server
  - Using Calendar Searches of the LDAP Directory Server
- Limited Virtual Domain Mode
- High Availability (HA) Configuration
- EOSL for iPlanet Calendar Server 5.0 and the 2.x JavaScript User Interface (UI)

For installation information and instructions, refer to the *Calendar Server Installation Guide*.

Required Installation Privileges

To install, reinstall, or upgrade the Calendar Server, you must have superuser privileges. On Solaris or other UNIX systems, you must login as (or become) root (user ID = 0). On Windows NT systems, you must login as an administrator who has full administration privileges for the system.

Supported Software Platforms

Sun ONE Calendar Server 5.1.1 supports the following software platforms:

- Solaris™ 9 (5.9) Operating Environment
- Solaris™ 8 (5.8) Operating Environment
- Solaris™ 2.6 (5.6) Operating Environment
- Windows NT 4.0 With Service Pack 6a
- Windows 2000 With Service Pack 3
- HP-UX 11.0 Operating System

Solaris™ 9 (5.9) Operating Environment

To run Calendar Server 5.1.1 on the Solaris 9 (5.9) Operating Environment, the 20021030 (or later) hotfix is required. To obtain this hotfix, contact your Sun technical support representative or account manager.

Solaris™ 8 (5.8) Operating Environment

Table 6 shows the required patches for Solaris 8 (5.8). For the most current list of patches, check the `patches_sparc_SunOS_5.8.list` file in the `instsupp/` directory after you unbundle the Calendar Server. The revision number following the dash in each patch ID identifies the minimum patch revisions; later revisions are acceptable. You can download these patches from:

http://sunsolve.sun.com.

Table 6 Required Patches for Solaris 8 (5.8) Operating Environment

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: libsmedia 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
109783-01	SunOS 5.8: /usr/lib/nfs/nfsd patch
108985-02	SunOS 5.8: /usr/sbin/in.rshd patch

Solaris™ 2.6 (5.6) Operating Environment

Table 7 shows the required patches for Solaris 2.6 (5.6). For the most current list of patches, check the `patches_sparc_SunOS_5.6.list` file in the `instsupp/` directory after you unbundle the Calendar Server. The revision number following the dash in each patch ID identifies the minimum patch revisions; later revisions are acceptable. You can download these patches from:

http://sunsolve.sun.com.

Table 7 Required Patches for Solaris 2.6 (5.6) Operating Environment

Patch ID	Description
107733-09	SunOS 5.6: Linker patch
105568-23	SunOS 5.6: /usr/lib/libthread.so.1 patch
105210-38	SunOS 5.6: libc & watchmalloc patch
106040-17	Sun OS 5.6: X Input & Output Method patch
105633-59	OpenWindows 3.6: Xsun patch
105181-28	SunOS 5.6: Kernel update patch
105669-10	CDE 1.2: libDtSvc patch
105284-41	Motif 1.2.7 Runtime library patch
106409-01	SunOS 5.6: Fixes the Traditional Chinese TrueType fonts (zh-TW releases only)

NOTE Solaris 2.6 (5.6) supports Netscape Directory Server 4.12 and 4.16 but not iPlanet Directory Server 5.1.

Windows NT 4.0 With Service Pack 6a

Calendar Server 5.1.1 supports Microsoft Windows NT 4.0 with Service Pack 6a (or newer). If necessary, you can download Service Pack 6a from the following web site:

http://www.microsoft.com/ntserver/nts/downloads/

Considerations for Installing on Windows NT Servers

- In a Windows NT Server domain, you must install Calendar Server on the Primary Domain Controller (PDC) or a server within the domain. You cannot install Calendar Server on a Backup Domain Controller (BDC).
- On Windows NT servers with slower processors, the `start-cal` command might time out. If this happens, start the Calendar Server using the Windows NT Control Panel Services dialog box.

Windows 2000 With Service Pack 3

To run Calendar Server 5.1.1 on Windows 2000 with Service Pack 3 (or later), the 20021030 (or later) hotfix is required. To obtain this hotfix, contact your Sun technical support representative or account manager.

HP-UX 11.0 Operating System

Installation From a CD-ROM

Sun ONE Calendar Server 5.1.1 installation CDs are written in ISO 9660 format with Rockridge extensions (RRIP). To install Calendar Server 5.1.1 on an HP-UX system from an installation CD, you must first make sure that the Portable File System (PFS) is running and that you use `pfs_mount (1m)` to mount the CD.

For information about how to use PFS, see your HP-UX product documentation.

Required HP-UX Patch

Before you install Calendar Server 5.1.1 on HP-UX 11.0 servers, install the 9/01 HP-UX 11.0 Quality Pack, which is available from the following web site:

http://www.hp.com

Kernel Tuning

Before you install Calendar Server 5.1.1, use the settings shown in the following table as a baseline for kernel tuning. (These settings are based on an HP 9000 with 2 GB physical memory and 2 GB swap.)

Table 8 HP-UX 11.0 Configurable Kernel Parameters

Parameter	Description	New Setting
max_thread_proc	Maximum threads per process	8192
nkthread	Maximum threads in system	32768
maxdsiz	Maximum data segment size limit, heap memory	1 GB (0x040000000)
maxtsiz	Maximum text size	64 MB (0x04000000)
maxfiles_lim	Maximum number of open files per process	32768
ncallout	Maximum number of pending timeouts	128 + nproc
nfile	Maximum number of files system wide	65536
ninode	Maximum number inodes in memory	32768

To modify the kernel, use HP-UX system administration tools (`sam` and `kmtune`), or to modify the kernel manually:

1. Edit the `/stand/system` file to modify the kernel parameter.
2. Run `mk_kernel -o /stand/vmunix` to build the new kernel and kernel function set and to mark the kernel for replacement on reboot.
3. Reboot the system.

Calendar Server Startup

On HP-UX 11.0 servers, the Calendar Server is not started automatically after a successful installation or restart, even if you select these options during installation. You must start the Calendar Server manually using the `start-cal` command. (4525117).

Directory Server Requirements

Sun ONE Calendar Server 5.1.1 supports these directory servers:

- Netscape Directory Server 4.12 (and later) is supported on all software platforms.
- iPlanet Directory Server 5.1 (and later) is supported on all software platforms except Solaris 2.6 (5.6).

Note: iPlanet Directory Server 5.0 is not recommended for use with Calendar Server 5.1.1.For more information about directory server requirements, see the *Calendar Server Installation Guide.*

If you are using the Calendar Search feature, see also Using Calendar Searches of the LDAP Directory Server.

Hardware Requirements

The hardware requirements to install Calendar Server 5.1.1 are:

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

Client Software Recommendations

Calendar Express requires a JavaScript-enabled browser. For optimal performance, Sun recommends the following browsers for Calendar Server 5.1.1:

Table 9 Recommended Browser Versions for Calendar Server 5.1.1

Browser	Solaris	Windows	Macintosh
Netscape™ Communicator	4.7x	4.7x	N/A
Microsoft Internet Explorer	N/A	5.0 or 5.5	5.0

Planet Portal Server Support

Sun ONE Calendar Server 5.1.1 has been tested with iPlanet Portal Server 3.0 Service Pack 4 and Mobile Access Pack (MAP) 3.0.

If you install Portal Server after installing Calendar Server, see Installing Portal Server after Calendar Server changes permissions on /var/opt (4535775).

Calendar Server 5.1.1 Installation Considerations

- Installing a Localized Version
- Removing Pre-Hotfix Files
- Saving Customizable Files During Installation
- Migrating Data to Sun ONE Calendar Server
- Using Calendar Searches of the LDAP Directory Server

Installing a Localized Version

If you plan to install or upgrade a localized version of Calendar Server 5.1.1, you must ensure you have the correct installation archive file. This file identifies localization versions by including the following language codes in the filename: en–English (always included), fr–French, de–German, es–Spanish, ja–Japanese, zh–Simplified Chinese, and zhtw–Traditional Chinese.

For example, `ics-5_1_1-export-en-de-es-fr_sparc-sun-solaris2_6_tar.gz` would have localized versions of Calendar Server 5.1.1 for English, German, Spanish, and French.

If you do not have the installation archive file you need, contact your Sun technical support representative or account manager.

Removal of Out-of-Date Localized Resources

If you are performing an upgrade of Calendar Server, the installation program removes any out-of-date localized resources. For example, suppose you have Calendar Server 5.1 installed with English, German, Spanish, French, and Japanese localized resources. If you upgrade using the `ics-5_1_1-export-en-de-es-fr_sparc-sun-solaris2_6_tar.gz` installation archive file, the installation program installs new localized resources for English, German, Spanish, and French, but removes the out-of-date Japanese localized resources.

Removing Pre-Hotfix Files

Before you install Calendar Server 5.1.1, remove any `*.so_pre-Hotfix_*` files, especially any files that might be in the *server-root*`/cal/bin/plugins` directory. Otherwise, some of these files might be automatically loaded from this directory and cause inconsistent Calendar Server behavior.

Saving Customizable Files During Installation

If you are upgrading or reinstalling the Calendar Server, you can have the installation program save all Calendar Server configuration and customizable files that have these extensions:

```
.xsl .xml .conf .gif .htm
```

The installation program generates a report that indicates which files have changed. After the installation has finished, you can use this report to merge your customizations from the saved files into the newly installed Calendar Server 5.1.1 files.

Migrating Data to Sun ONE Calendar Server

The following migration utilities are available to migrate calendar data to Sun ONE Calendar Server:

- ics2migrate
- ncs4migrate
- csmig

ics2migrate

The `ics2migrate` utility migrates Calendar Server 2.x data and LDAP user preferences to Calendar Server 5.1.1. ics2migrate is installed in the *server-root*`/cal/bin/` directory.

ncs4migrate

The `ncs4migrate` utility migrates Netscape Calendar Server 4.x calendar data to Calendar Server 5.1.1. 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.

csmig

The `csmig` utility migrates a calendar database that was created before the Calendar Server 5.1.1 release to a new database that supports the LDAP Calendar Lookup Database (CLD) plug-in.

The `csmig` utility released with Calendar Server 5.1.1 has the following problems:

- csmig migration utility is missing the description for usage examples (4734453)
- csmig migration utility usage examples are incorrect (4734450)

Updated versions of `csmig` will be available after the Calendar Server 5.1.1 release. If you plan to use `csmig`, contact your Sun technical support representative or account manager to obtain the latest version.

For information about using all of the migration utilities, see the *Calendar Server Installation Guide*.

Using Calendar Searches of the LDAP Directory Server

If you are using calendar searches of the LDAP directory, you should index the `icsCalendarOwned` attribute to improve performance. You should also ensure that the values for the Size Limit and the Look Through Limit parameters in your LDAP directory server configuration are large enough so that searches complete properly.

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

`service.calendarsearch.ldap = "yes"` (which is the default)

Improving Performance by Indexing the icsCalendarOwned Attribute

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.

Netscape Directory Server 4.1x

For Netscape Directory Server 4.1x, index the `icsCalendarOwned` attribute by following these steps:

1. Index the `icsCalendarOwned` attribute for presence (`pres`), equality (`eq`), and substring (`sub`) in the `slapd.ldbm.conf` or equivalent file. For example, for Netscape Directory Server 4.1x:

   ```
   slapd.ldbm.conf: index  icsCalendarOwned    pres,eq,sub
   ```

2. If you have existing data in your database that was not previously indexed, you also need to complete one of the following additional tasks in order for the server to create the indexes you specify in `slapd.ldbm.conf`:

   a. Export and re-import the database using LDIF.

   b. Run the `db2index` command-line tool. For example, on UNIX systems:

      ```
      server4/bin/ns-slapd db2index -f
      slapd-serverID/config/slapd.conf
      -t icsCalendarOwned: eq, pres,sub:2.16.840.1.113730.3.3.2.11.1
      ```

      where *slapd-serverID* is the full path to the `slapd-serverID` directory.

For information about Netscape Directory Server 4.1x, refer to the *Netscape Directory Server 4.1 Administration Guide*.

iPlanet Directory Server 5.1

For iPlanet Directory Server 5.1, index the `icsCalendarOwned` attribute using the following command on UNIX systems:

server5`/bin/slapd db2index -D` *slapd-serverID*
`-t icsCalendarOwned: eq,pres,sub:2.16.840.1.113730.3.3.2.11.1`

where *slapd-serverID* is the full path to the `slapd-serverID` directory.

For more information, refer to the *iPlanet Directory Server 5.1 Configuration, Command, and File Reference*.

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

To determine if the Look Through Limit (`lookthroughlimit`) and Size Limit (`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 `sizelimit` or the `lookthroughlimit` parameter might not be large enough. Follow these guidelines to set these parameters:

- Ensure that the value for the `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 `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 `lookthroughlimit` to -1, which causes no limit to be used.

Limited Virtual Domain Mode

The Calendar Server supports limited virtual domain mode, which allows customers to host multiple calendar sites on the same Calendar Server installation. Full virtual domain support is scheduled for a future release; however, a subset of virtual domain functionality is available with Calendar Server 5.1.1 (initially with the Calendar Server 5.0 patch 2 release). If you would like to use limited virtual domain mode, contact your Sun technical support representative. For additional information, see the following article:

http://knowledgebase.iplanet.com/ikb/kb/articles/4950.html

High Availability (HA) Configuration

A Calendar Server high availability (HA) configuration uses two Solaris systems running a single instance of the Calendar Server. If one system fails, the other system will take over running the Calendar Server. For additional information, see the following article:

http://knowledgebase.iplanet.com/ikb/kb/articles/8031.html

Although this article was written for Calendar Server 5.1, it also applies to the 5.1.1 release.

Note: The Calendar Server HA configuration has been tested on Sun Cluster 3.0 U1 and U2 and Solstice DiskSuite (SDS) with UNIX File System (UFS). It has not been tested on Veritas Volume Manager (VxVM) or Veritas File System (VxFS).

EOSL for iPlanet Calendar Server 5.0 and the 2.x JavaScript User Interface (UI)

iPlanet Calendar Server 5.0 will reach its End of Support Life (EOSL) on November 21, 2002. Existing Calendar Server 5.0 customers will not be supported after that date and should upgrade to the 5.1.1 release. To obtain the Calendar Server 5.1.1 release, contact your Sun technical support representative or account manager.

The version 2.x JavaScript UI and the `fmt-out=text/js` option in WCAP commands, which were supported in the Calendar Server 5.0 release, will not be supported for 5.0 customers after November 21, 2002. These features are also not supported in Calendar Server 5.1, 5.1.1, and future releases.

Calendar Server customers who use a JavaScript UI or the `fmt-out=text/js` option in WCAP commands do so at their own risk and should consider converting to an XML-based UI.

Known Problems and Limitations

Sun ONE Calendar Server 5.1.1 has the following known problems. If available, a workaround is provided for each problem.

- If back-end server is restarted, front-end server must be restarted too (4812916, 4855183)
- cscal create utility no longer creates calendars for existing users in LDAP (4781251)
- After upgrade user cannot create new event with 800x600 screen resolution (4773771)
- cscal utility returns error when creating a valid calendar (4769090)
- csuser utility cannot create users with LDAP CLD plug-in enabled (4749067)
- replace=1 in storeevents.wcap command doesn't work with a recurring events (4738461)
- cshttpd process listens on all IP addresses (4737358)
- csmig migration utility is missing the description for usage examples (4734453)
- csmig migration utility usage examples are incorrect (4734450)
- HP-UX: csexport and csimport command abort with library error (4734419)
- import.wcap does not trigger ENS notification (4729674)
- cscomponents delete does not trigger ENS notification (4725163)
- Warning message needed that login is required when time zone is changed (4719346)
- cshttpd process dies on Windows NT server (4673164)
- Calendar Server doesn’t create all instances if repeat until date is earlier than default (4625452)
- Until date for a repeating event shows one day after original date (4622462)
- Email notifications cause problems with Netscape Communicator (4560460)
- Events created on a Macintosh using Netscape Navigator 4.x contain corrupted data (4556675)
- Search doesn’t return expected results if the search string contains an asterisk (4555547)
- User cannot set reminders to invitations before accepting or declining them (4552548)
- Calendar Express doesn’t allow “last day of the month” for repeating events (4541444)
- Installation program does not display default time zone or allow it to be set (4541260)
- Export from Internet Explorer 5.5 does not work correctly (4540544)

- csbackup utility fails if target directory exists and -f option is not specified (4539252)
- Calendar Overview has inconsistent method for displaying tasks (4538960)
- Calendar Server allows double booking of calendars (4538774)
- Not everyone has the calendar entry after a meeting has been scheduled (4538591)
- Recurrence IDs (RIDs) are not in ISO8601 format (4537733)
- Users cannot login to Calendar Server after running the cstool refresh command (4537598)
- Spaces in group calendar names cause problems (4537454)
- Auto-provisioning feature cannot be disabled for first-time user login (4537234)
- Installing Portal Server after Calendar Server changes permissions on /var/opt (4535775)
- logout.wcap call always returns a status of -1 (successful) even for a failure (4535769)
- International characters display incorrectly in Calendar Express (4527700)
- Reminder emails should be encoded per user's LDAP preferredLanguage attribute (4526762)
- Internet Explorer user can't export in XML format after having exported in iCal format (4525128)
- HP-UX: Calendar Server is not started after a successful installation or restart (4525117)

If back-end server is restarted, front-end server must be restarted too (4812916, 4855183)

If Calendar Server is configured with one or more front-end servers that are connected to a back-end server and the back-end server goes down or is disconnected, each front-end server must be manually restarted to re-connect to the back-end server.

Workaround

On Solaris 8 and Solaris 9 systems, set the `tcp_time_wait_interval` parameter to 60000 (60 seconds) by adding the following command to the `/etc/init.d/inetinit` file on each front-end server:

```
/usr/sbin/ndd -set /dev/tcp tcp_time_wait_interval 60000
```

The `tcp_time_wait_interval` parameter specifies the number of milliseconds that a TCP connection remains unavailable in the TIME-WAIT state after it has been closed. The port remains unavailable for the specified amount of time, so that a new connection does not inadvertently get packets that were intended for the old connection.

Do not set `tcp_time_wait_interval` to a value less than 60000. To examine its current value, use this command:

```
/usr/sbin/ndd -get /dev/tcp tcp_time_wait_interval
```

cscal create utility no longer creates calendars for existing users in LDAP (4781251)

In Calendar Server 5.1.1, using the `cscal create` utility to create a calendar for an existing user in the LDAP server who has not logged into calendar (that is, does not already have a calendar) returns an error.

Note: The behavior of the `cscal` utility has changed since the 5.1 release. Before an administrator can create a calendar for a user using `cscal`, that user must first be calendar enabled (have the `icsCalendarUser` LDAP object class). Calendar Server 5.1.1 also requires that all calendars have an owner, which is specified by the `icsCalendarOwned` LDAP attribute.

Workaround

In Calendar Server 5.1.1, use any of these workarounds to calendar enable a user:

- The administrator can run `csuser enable` and then `cscal create` to enable the user and then create the calendar; or
- The administrator can run `csuser create` to create both the user and calendar at the same time; or
- The user can login into Calendar Server through Calendar Express to create a default calendar.

After upgrade user cannot create new event with 800x600 screen resolution (4773771)

After an upgrade from Calendar Server from 5.1 to 5.1.1, on a Windows computer with 800x600 screen resolution, the OK, Cancel, and Help buttons on the new event window are positioned off of the window and cannot be clicked.

Workaround

1. Locate the *server-root*`/cal/bin/data/`*language*`/javascript.xsl` file where *language* specifies the language code (de, en, es, ja, fr, zh-CN, or zh-TW) for your installation.

2. In the `javascript.xsl` file, modify the following global variables in the `contextJavascript` template section:

   ```
   var gDefaultPopupWidth='width';
   var gDefaultPopupHeight='height';
   ```

   where *width* and *height* determine the size of the popup window. You will need to change the values from their current values (550 and 650, respectively) to ones that work best for your installation. You need to change only the `javascript.xsl` file for the language you are using; however, it is recommended that you also change the `javascript.xsl` file for the other languages in you installation.

3. Stop and restart Calendar Server.

4. End users should clear their browser cache.

cscal utility returns error when creating a valid calendar (4769090)

If you use `cscal` to create calendars with the same name but with different case letters (such as Meetings and meetings), Calendar Server creates each calendar but the second `cscal` statement returns an error. For example:

```
./cscal -o tchang create Meetings
Calendar Meetings has been created
./cscal -o tchang create meetings
Calendar meetings has been meetings
LDAP error 20: Type or value exists
```

This problem occurs because the `icsCalendarOwned` attribute is a case insensitive string, and `tchang:Meetings` is considered to be the same as `tchang:meetings`.

The LDAP server and Calendar Server databases are out of sync. A Calendar Server database search works, but you might not be able to search calendars with the same spelling using the LDAP calendar search. In this case, the LDAP calendar search returns only `tchang:Meetings`, but the Calendar Express UI doesn't return an error.

Workaround

Avoid using calendars with the same name with different case letters for a specific owner.

csuser utility cannot create users with LDAP CLD plug-in enabled (4749067)

If the LDAP CLD plug-in is enabled, the `csuser` utility cannot create a new user. It returns "LDAP error 2: Protocol error", and the LDAP server log file (`/slapd-`*hostname*`/logs/errors`) shows "no values for type icsDWPHost".

Workaround

This problem is fixed in the Calendar Server 5.1.1 20021030 hotfix. However, if you have not installed this hotfix, you can create new users as follows:

1. Edit the `ics.conf` file to disable the LDAP CLD plug-in:

   ```
   caldb.cld.type = "local"
   service.dwp.enable = "no"
   ```

2. Use `csuser` to create a new user entry:

   `csuser -g Joe -s Smith -y` *password* `-l en -c jsmith create jsmith`

3. Optionally, use `csattribute` to set the `icsDWPHost` attribute (if you would like to set the value explicitly instead of having Calendar Server auto-provision it at login time):

   `csattribute -a icsdwphost=`*hostname* `add jsmith`

   Then, use `csattribute` to list the user's LDAP attributes to make sure the attribute is correct:

   `csattribute list jsmith`

4. After you have created all new users, edit the `ics.conf` file to re-enable the LDAP CLD plug-in:

   ```
   caldb.cld.type = "directory"
   service.dwp.enable = "yes"
   ```

replace=1 in storeevents.wcap command doesn't work with a recurring events (4738461)

The new replace parameter in the `storeevents.wcap` command currently works only for single events and not for recurring events. When modifying a recurring event, the replace parameter is ignored, and the new values for multi-valued fields are appended to the original data.

Workaround

Recreate the event with the required parameters. For example, if you have a recurring event that has the "`cat1;cat2`" categories and if you want to replace them with "`cat3;cat4`", `replace=1` causes the resulting categories to be "`cat1;cat2;cat3;cat4`". To replace the "`cat1;cat2`" categories, you must delete the event completely and then recreate it with "`cat3;cat4`".

cshttpd process listens on all IP addresses (4737358)

If you set the `service.listenaddr` parameter to a dedicated IP address, the `cshttpd` process still listens on all IP addresses.

Workaround

Do not use the `service.listenaddr` parameter. Instead, add the following new parameter to the `ics.conf` file and set it to the dedicated host name or IP address:

```
service.http.listenaddr = "hostname or IP-address"
```

Also, if you want the DWP process (`csdwpd`) to listen on a dedicated IP address, add the following new parameter to the `ics.conf` file:

```
service.dwp.listenaddr = "hostname or IP-address"
```

After you set either parameter, you must stop and then restart the Calendar Server.

csmig migration utility is missing the description for usage examples (4734453)

If you run csmig without any options, csmig displays its syntax and examples. However, csmig does not have descriptions for the examples.

Workaround

Refer to the Calendar Server 5.1.1 Installation Guide for information about running csmig.

csmig migration utility usage examples are incorrect (4734450)

If you run csmig without specifying any options, csmig displays its syntax and examples. However, the usage display has these problems:

- Five csmig usage examples are incorrect, because csmig requires the -c and -r options.
- The csmig default directory for the -t option is incorrect. The default directory should be MigratedDB and not MigrateDB.

Workaround

Refer to the Calendar Server 5.1.1 Installation Guide for syntax and information about csmig.

HP-UX: csexport and csimport command abort with library error (4734419)

On HP-UX, the csexport and csimport command results in a library error.

Workaround

Use the Calendar Express export and import options to export and import the calendar data.

import.wcap does not trigger ENS notification (4729674)

An `import.wcap` command that includes the `appid` parameter does not trigger an ENS notification message.

Workaround

None.

cscomponents delete does not trigger ENS notification (4725163)

A `cscomponents delete` command does not trigger an ENS notification message.

Workaround

None.

Warning message needed that login is required when time zone is changed (4719346)

If you change the time zone for a calendar, the changes do not take immediately take effect.

Workaround

Log out of Calendar Express and then log back in for the time-zone changes to take effect.

cshttpd process dies on Windows NT server (4673164)

On a Windows NT server running four cshttpd processes, one cshttpd process died. However, Calendar Server has run successfully without problems on other Windows NT servers.

The impact and probability of this problem occurring is believed to be low, since the processes have been up and running under normal stress loads. Under excessive loads not typical for Windows NT servers, there have been cases of one cshttpd process crashing (which is not easily reproducible), and that occurred only on specific servers.

Calendar Server Windows NT testing has gone through severe QA criteria of functional tests, manual tests, and stress tests. The results have been positive, and the reliability seems to be much improved over previous releases. This problem is being reported for completeness in the rare event of a crash. Considering all data points we have, we do not expect this to occur under most circumstances.

Note: In a Windows NT deployment with multiple CPUs, the Calendar Server architecture ensures that if a cshttpd processes dies, the remaining cshttpd processes will continue to handle end user requests. Alternately, you can always use the start-cal command or the Services dialog box from the Control Panel to restart the Calendar Server. End users will then need to log in again.

Calendar Server doesn't create all instances if repeat until date is earlier than default (4625452)

Create a repeating event. On the Daily tab, click Every weekday and specify a repeat Until date earlier than the default Until date. The Calendar Server creates only one or two instances of the event.

Workaround

Use the default Until date or a later date, and then delete the events you don't need.

Until date for a repeating event shows one day after original date (4622462)

Create a repeating event that repeats every weekday and set a specific Until date. Then, if you edit the event and click "Change repeat pattern", the new Until date is one day after the original Until date. For the repeating event, the Calendar Server is using Zulu time rather than the local time. Also, the default for the Until date is reset to Forever. If you click OK, the Until date for the event changes to Forever. This problem is a duplicate of 4537499.

Workaround

After you make your choices for a repeating event, review the choices and make sure that the default for the Until date is not set to Forever. If you have doubts, click Cancel and not OK.

Email notifications cause problems with Netscape Communicator (4560460)

In Calendar Express, email notifications can cause problems with Communicator. Calendar Server notifications are optimized by default for the Outlook client. Notifications are sent out in multi-part MIME formats - text/plain, text/html, and text/calendar. These formats are defined in the *server-root*`/cal/bin/config/en` directory.

With these default formats, the event notifications are not correctly rendered in Communicator. Being rendered in this case means that Communicator is trying to handle the text/calendar format that is optimized for Outlook. In Communicator it exposes the "More Details", "Accept", and "Decline" buttons. It also will display a "Error: 3.0 Unknown: (::)".

Workaround

1. From the Communicator toolbar, go to Edit: Preferences: Navigator: Applications and create an application to handle the `ics` extension. The mime format would be text/calendar2 and the application to use can be Notepad, Outlook, or something similar. This would have to be need on every user client and might not be the best choice for large deployments.
2. In the *server-root*`/cal/bin/config/en` directory, modify the format files so that the text/html format comes after the text/calendar format. Note: This could disable the Outlook interoperability. For additional information, see the following article:

   http://knowledgebase.iplanet.com/ikb/kb/articles/5017.html

Events created on a Macintosh using Netscape Navigator 4.x contain corrupted data (4556675)

If you create a new event or task on a Macintosh using Netscape Navigator 4.x and then add a name, location, and description, extra characters are added at the end of the description.

Workaround

If you need to create new events or tasks with a name, location, and description on Macintosh systems, use Netscape Navigator 6.x or Internet Explorer 5.x.

Search doesn't return expected results if the search string contains an asterisk (4555547)

The search for a calendar doesn't always return the expected results if the search string contains an asterisk (*).

Workaround

Try the search again without the asterisk, using a search string of at least three characters.

User cannot set reminders to invitations before accepting or declining them (4552548)

If an user tries to set a reminder to an invitation before accepting or declining it, the action is not saved. Also, if a user brings up the invitation without accepting or declining it and then clicks OK, an error is logged to the http.log.

Workaround

Do not set a reminder before accepting or declining an invitation.

Calendar Express doesn't allow "last day of the month" for repeating events (4541444)

Calendar Express does not allow you to specify the "last date of the month" (regardless of the date) for a repeating monthly event.

Workaround

To specify the "last date of the month" for a monthly event, schedule the event to repeat on the "31st day of the month." The Calendar Server then automatically adjusts the actual last day for months with fewer than 31 days.

Installation program does not display default time zone or allow it to be set (4541260)

The default time zone for Calendar Server is "America/New_York". The installation program does not display this default or provide a way to change it. Also, if the system default time zone (which is OS specific) is different from "America/New_York", the installation program does not attempt to find a Calendar Server time zone that matches it.

Workaround

None during installation. However, for importing files after installation, you can set the following time-zone parameter in the `ics.conf` file:

```
! Timezone ID used when importing files.
calstore.default.timezoneID = "America/New_York"
```

Also, for more information, see the following article:

http://knowledgebase.iplanet.com/ikb/kb/articles/4996.html

Export from Internet Explorer 5.5 does not work correctly (4540544)

If you are using Internet Explorer 5.5, the Calendar Express Export function saves the calendar as an HTML file and not in `.ics` or `.xml` format.

Workaround

1. From the Calendar Express Options view, add the calendar(s) you want to export to Calendars To Export, and then click Export.
2. On the File Download dialog, click "Open this file from its current location". Do not select "Save this file to disk", or the calendar will be saved as an HTML file.
3. Click OK. Internet Explorer displays the File Download dialog again.
4. On the second File Download dialog, click "Save this file to disk" (already selected by default).
5. On the "Save as" dialog box, select the download folder and click OK. The Export function saves the calendar in `.ics` or `.xml` format.

csbackup utility fails if target directory exists and -f option is not specified (4539252)

The `csbackup` utility fails if the target backup directory already exists (even if it is empty) and you do not specify the `-f` option. For example, the following command fails if `backupdir` exists:

```
# ./csbackup database backupdir
```

Workaround

If the target backup directory exists, include the `-f` option when you run the `csbackup` utility. For example:

```
# ./csbackup -f database backupdir
```

You can also specify a non-existent target backup directory and let `csbackup` create the directory for you.

Calendar Overview has inconsistent method for displaying tasks (4538960)

The Task/Event box, which appears just below the date banner for both the Overview and Day views, does not display tasks consistently.

Workaround

Calendar Express displays tasks in the Task/Event box on the Overview and Day views as follows:

- Overdue tasks are relative to the actual date and are always displayed with the heading "Overdue Tasks" in red text, regardless of the date displayed in the banner.
- Any tasks that are due on the banner date are also displayed.
- Any future tasks after the banner date are not displayed.

The Calendar Server does not display future tasks because a calendar might have hundreds (or even thousands) of future tasks, and displaying all of them would quickly overflow the Task/Event box. To view future tasks for a calendar, use the week or month view.

Calendar Server allows double booking of calendars (4538774)

The Calendar Server allows double booking of a user's calendars even if `user.allow.doublebook` is set to "no" in the `ics.conf` file.

Workaround

To prevent double booking for a user's calendar, run the `cscal` utility with the `-k no` option for each individual calendar.

Not everyone has the calendar entry after a meeting has been scheduled (4538591)

To invite an attendee who does not have a default calendar to a meeting, you must specify the attendee's email address. The Calendar Server then sends an email message using "`mailto:`" to the attendee with the event details, but it does not create a default calendar for the attendee.

Workaround

The Calendar Server creates a default calendar for a new calendar user in either of these situations:

- The new user logs into the Calendar Server for the first time.
- An administrator provisions the new user with the `cscal` utility `create` command. (The user must already exist in the directory server.)

For information about `cscal`, see the *Calendar Server Administrator's Guide.*

Recurrence IDs (RIDs) are not in ISO8601 format (4537733)

The Calendar Server does not convert RIDs to ISO8601 format.

Workaround

Do the translation to the `time_t` format before passing back in the RID. That is, translate the creation date in ISO8601 to the Zulu version of ISO8601 and then to `time_t`.

Note Do not use the C `mktime()` functions, because they use the system's time-zone information, which might not map correctly to the Calendar Server or user's chosen time zone.

Users cannot login to Calendar Server after running the cstool refresh command (4537598)

After a cstool refresh command is executed to force a refresh of the Calendar Server configuration, users cannot login through Calendar Express.

Workaround

Stop and restart the Calendar Server manually using the `stop-cal` and `start-cal` commands. The configuration will be refreshed, and users can then login through Calendar Express.

Spaces in group calendar names cause problems (4537454)

A leading or trailing space in a group calendar name causes the Calendar Server to create another group calendar without the space.

Workaround

Do not use leading or trailing spaces in group calendar names.

Auto-provisioning feature cannot be disabled for first-time user login (4537234)

By default, the Calendar Server creates a default calendar when a new user first logs into the Calendar Server, and currently, there is no option to disable this feature.

Workaround

None. However, a new configuration parameter to disable this feature is planned for a future release.

Installing Portal Server after Calendar Server changes permissions on /var/opt (4535775)

If you install Portal Server after installing Calendar Server, permissions for the `/var/opt` directory are changed to 0700 (`drwx------`). A subsequent attempt to restart the Calendar Server (or a reboot) causes the following error:

```
Starting csadmind
Fatal error 70: Cannot open calendar database
csadmind is not started
Calendar service(s) not started
```

Workaround

After installing the Portal Server, change the permissions for the `/var/opt` directory to 0775.

logout.wcap call always returns a status of -1 (successful) even for a failure (4535769)

A `logout.wcap` call always returns -1 (successful) even if the logout has failed.

Workaround

To check if a session is still valid, call the `check_id.wcap` command and then check the returned `X-NSCP-WCAP-CHECK-ID` property. If the value is zero (0), the session is invalid and the logout was successful. If the value is 1, the session is still valid and you must call `logout.wcap` to logout again.

International characters display incorrectly in Calendar Express (4527700)

International characters entered in Calendar Server command-line utilities such as `csresource` using encoding other than UTF-8 display incorrectly in Calendar Express.

Workaround

For command-line parameters that contain international characters to display correctly in Calendar Express, enter the characters using UTF-8 encoding.

Reminder emails should be encoded per user's LDAP preferredLanguage attribute (4526762)

When a user receives a reminder email message for an event or task, the message is encoded according to the user's LDAP preferredLanguage attribute (for example, ISO-8859-2 for Central European users). This problem is fixed for most languages, including Western, Central European, and multibyte languages such as Japanese, Chinese, and Korean. However, it is not fixed for Arabic, Hebrew, Russian, and Turkish. These users still receive reminder email messages encoded as ISO-8859-1.

Workaround

None.

Internet Explorer user can't export in XML format after having exported in iCal format (4525128)

If you export a calendar in Internet Explorer 5.5 or later in iCal format, you cannot then export the calendar in XML format. Internet Explorer does not display the Save window to select a location for the exported file.

Workaround

Click the Internet Explorer Refresh button and then export the calendar. Or, go to another Calendar Express window such as View or Calendars, return to the Options window, and then export the calendar.

HP-UX: Calendar Server is not started after a successful installation or restart (4525117)

On HP-UX 11.0, the Calendar Server is not started after a successful installation or restart, even if you select these options during installation.

Workaround

Start the Calendar Server manually using the `start-cal` command.

Calendar Server 5.1.1 Documentation

The following documents have been revised for the Calender Server 5.1.1 release. Part numbers (if available) are in parentheses.

- Sun ONE Calendar Express Online Help
- *New Features for Calendar Express 5.1.1* (816-6412-10)
- *Release Notes* (816-6413-10)
- *Sun ONE Calendar Server Installation Guide* (816-6414-10)
- *Sun ONE Calendar Server Administrator's Guide* (816-6415-10)
- *Sun ONE Calendar Server Programmer's Manual* (816-6416-10)
- *Sun ONE Messaging and Collaboration Schema Reference* (816-6417-10)–Contains LDAP schema information for iPlanet™ Messaging Server and Sun ONE Calendar Server.
- *Sun ONE Messaging and Collaboration Event Notification Service Manual* (816-6418-10)–Contains generic and product specific ENS information for both Calendar Server 5.1.1 and Messaging Server.

The Calendar Express Online Help is available with the Calendar Express software. All other Calendar Server documentation is available on the following Web site:

http://docs.sun.com/db/prod/s1calsrv

Changes to the Documentation

Configuration with 5.1.1 front-end server and 5.1 back-end server is not supported (4764577)
In a configuration with front-end and back-end servers, all servers must all be running the same Calendar Server release. For example, you cannot have a front-end server running Calendar Server 5.1.1 and a back-end server running 5.1. All servers in this configuration must be running Calendar Server 5.1.1.

Calendar Server 5.1.1 Localization

Sun ONE Calendar Server 5.1.1 has been localized in French (fr), German (de), Spanish (es), Japanese (ja), Simplified Chinese (zh-CN), and Traditional Chinese (zh-TW). To obtain a copy of a localized release, contact your Sun technical support representative or account manager.

For a Calendar Express end user to access a localized version of the Calendar Server, the character set required to render the particular language must be available in the end user's browser configuration.

You might also need to set the `preferredLanguage` LDAP attribute for your end users. To determine the current setting of `preferredLanguage`, use the `csattribute` utility:

```
csattribute -v list userid
```

where *userid* is the user ID of the end user.

If `preferredLanguage` is not set to the language code for the release you are running, reset it using `csattribute`. For example, the following commands reset the language code to French (fr) for user `bkamdar`:

```
csattribute -a preferredLanguage delete bkamdar
csattribute -a preferredLanguage=fr add bkamdar
```

For installation considerations, see Installing a Localized Version.

Several considerations for specific localized releases include:

- Traditional Chinese (zh_TW)–The default time zone setting is not Asia/Taipei. Calendar Express users will need to manually set the time zone to Asia/Taipei under Options on the Settings tab. Although the online help doesn't list Asia/Taipei as an option (Bug ID 4747268); it is available as a Calendar Express Time Zone Setting.
- Japanese (ja)–The 5.1.1 English documentation set includes the titles shown in the Calendar Server 5.1.1 Documentation section. For the Japan release, however, only the following documents are translated, with a printed version included in the media kit: *New Features for Calendar Express 5.1.1*, *Installation Guide*, *Administrator's Guide*, *Programmer's Manual*, and the *Event Notification Service Manual*.

How to Report Problems

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

- Use the Sun ONE Support Web site:

  http://www.sun.com/service/sunone/software/index.html

  From this location, use the CaseTracker and CaseView tools to log problems.

- Call the telephone dispatch number associated with your maintenance contract.

To help us assist you in resolving your problem, please have the following information available when you contact customer support:

- Description of the problem, including the situation where the problem occurs and its impact on your operation.
- Detailed steps to reproduce the problem.
- Information about the environment when the problem occurred. For example: Calendar Server version, machine platform, operating system version (including any patches and other software that might be affecting the problem), and 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. Login (or become) `root` on UNIX systems or an Administrator on Windows NT systems.
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 NT 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.

Where to Find More Information

For more information, see the following web sites:

- Sun ONE Documentation

  http://docs.sun.com/?p=prod/sunone
- Sun ONE Software Products and Services

  http://www.sun.com/software/
- Sun ONE Support and Knowledge Base

  http://www.sun.com/service/sunone/software/index.html
- Sun ONE Consulting and Professional Services

  http://www.sun.com/service/sunps/sunone/index.html
- Sun ONE Developer Information

  http://developer.iplanet.com/
- Sun ONE Software Training

  http://www.sun.com/software/training/

Revision History

Table 10 Revision History

Date	Description of Changes
September 9, 2002	Initial Release Notes.
September 27, 2002	Incorporated minor editorial changes.
October 10, 2002	In What's New in Calendar Server 5.1.1, added Default Time Zone in storeevents and storetodos WCAP Commands.
	In Calendar Server 5.1.1 Installation Notes, replaced "Calendar Server 2.x JavaScript UI Files" section with "EOSL for iPlanet Calendar Server 5.0 and the 2.x JavaScript User Interface (UI)".
	In Calendar Server 5.1.1 Localization, added an update that Calendar Server 5.1.1 has been localized in French (fr), German (de), Spanish (es), Simplified Chinese (zh-CN), and Traditional Chinese (zh-TW) and will be localized soon in Japanese (ja).
November 4, 2002	In Known Problems and Limitations, added problems 4769090 and 4749067.
	In Changes to the Documentation, added problem 4764577.
	In Calendar Server 5.1.1 Localization, added considerations for localized releases including Traditional Chinese (zh_TW) and Japanese (ja).
November 26, 2002	In Supported Software Platforms, added support for the Solaris 9 Operating Environment and Windows 2000 operating system.
	In Using Calendar Searches of the LDAP Directory Server, added information about indexing the `icsCalendarOwned` attribute to improve performance and setting the values for the LDAP server Size Limit and the Look Through Limit parameters.
	In Known Problems and Limitations: Revised the workaround for Email notifications cause problems with Netscape Communicator (4560460) to refer to Article 5017 rather than 4964. Added problems 4773771 and 4781251.
	In Calendar Server 5.1.1 Localization, added an update that Calendar Server 5.1.1 has been localized in Japanese (ja).
	Added the Revision History.
April 30, 2003	Added description and workaround for If back-end server is restarted, front-end server must be restarted too (4812916, 4855183).

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