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Preface

The Solaris™ 8 (SPARC™ Platform Edition) 10/01 Release Notes contains installation problem details and other information that were not available until immediately before the release of the Solaris 8 10/01 operating environment.

Note – The information in this document pertains to the SPARC platform. This information also pertains to both the 64-bit and 32-bit address spaces unless specified in a special chapter, section, note, bulleted item, figure, table, example, or code example.

Who Should Use This Book

These notes are for users and system administrators who are installing and using the Solaris 8 10/01 operating environment.

Related Books

You might need to refer to the following manuals when installing Solaris software:

- Solaris 8 Start Here
- Solaris 8 Advanced Installation Guide
- Solaris 8 Installation Supplement
- The Solaris 8 10/01 release notes are available:
Solaris documentation is available on the Solaris 8 10/01 Documentation CD that is included with this product.

For some hardware configurations, you might need supplemental hardware-specific instructions for installing the Solaris operating environment. If your system requires hardware-specific actions at certain points, the manufacturer of your hardware has provided supplemental Solaris installation documentation. Refer to those materials for hardware-specific installation instructions.

Ordering Sun Documents

Fatbrain.com, the Internet’s most comprehensive professional bookstore, stocks select product documentation from Sun Microsystems, Inc.

For a list of documents and how to order them, visit the Sun Documentation Center on Fatbrain.com at http://www1.fatbrain.com/documentation/sun.

Accessing Sun Documentation Online

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

This chapter describes problems that relate to the installation of the Solaris 8 10/01 operating environment.

The following installation bug descriptions have been added to this chapter since this document was published on the Solaris 8 10/01 Documentation CD and in the Installation Kiosk on the Solaris 8 10/01 Installation CD.

- “Insufficient Space for Extra Languages During Upgrade (4414329)” on page 13

**Note** – The name of this product is Solaris 8 10/01, but code and path or package path names might use Solaris 2.8 or SunOS™ 5.8. Always follow the code or path as it is written.
Solaris Web Start 3.0 Bugs You Need to Know About Before Using the Solaris 8 Installation CD

Cannot Specify an Alternate Network Interface to Use During System Identification on Network Gateway Systems (4302896)

A network gateway is used to communicate with other networks. A gateway system contains multiple network interface adapters and each adapter connects with a different network.

If you use the Solaris 8 10/01 Installation CD to install the Solaris 8 10/01 operating environment on a gateway system, Solaris Web Start 3.0 uses the primary interface to gather system information. You cannot instruct Solaris Web Start 3.0 to use an alternate network interface to gather information for system identification.

Workaround: To specify another interface for gathering system information, choose one of the following workarounds.

- Create a \texttt{sysidcfg} file that specifies the network interface to use during system identification. See “Guidelines for Preconfiguring With the \texttt{sysidcfg} File” in \textit{Solaris 8 Advanced Installation Guide} and the man page \texttt{sysidcfg(4)} for information on how to create and modify a \texttt{sysidcfg} file.
- Use the Solaris 8 10/01 Software 1 of 2 CD to launch an Interactive Installation of the Solaris 8 10/01 operating environment. Specify that the system is networked, and then select the alternate network interface to use for system identification from the list that is provided.
Issues You Need to Know About Before Installing Solaris 8 Software

Insufficient Space for Extra Languages During Upgrade (4414329)

When you upgrade from the Solaris 2.6 and Solaris 7 operating environments using a CD or CD images, extra European languages might be installed for locales that are not present on the system. If there is insufficient space in the file system, the upgrade will not complete. Languages for locales that are present on the system may not be installed.

Workaround: Choose one of the following workarounds.

- Manually select the languages you want installed during the upgrade process. Follow these steps.
  1. When the Language CD install panel is displayed, click the Back button.
  2. Deselect the extra languages and continue with the upgrade.
- Use a combined net install image to upgrade from the Solaris 2.6 and Solaris 7 operating environments. Do not use CDs or CD images to upgrade.
- After upgrading, follow these steps.
  1. Login to the system.
  2. Run `prodreg`.
  3. Uninstall any extra languages.
  4. Insert the Language CD into your CD-ROM drive and run the top level installer.
  5. Choose Custom Install.
  6. Select the languages you want installed.
  7. Complete the Language CD installation by clicking the Next and Install Now buttons.
Previous Versions of Solaris Management Console Software Are Not Compatible With Solaris Management Console 2.0 Software

If you upgrade to the Solaris 8 10/01, or compatible, operating environment and you have Solaris Management Console™ 1.0, 1.0.1, or 1.0.2 software installed, you must uninstall the Solaris Management Console software before you upgrade. Solaris Management Console 2.0 software is not compatible with any previous version of the console. Solaris Management Console software might exist on your system if you installed the SEAS 2.0 overbox, the SEAS 3.0 overbox, or the Solaris 8 Admin Pack.

**Workaround:** Choose one of the following workarounds.

- Before you upgrade, run `/usr/bin/prodreg` and perform a full uninstall of the Solaris Management Console software.
- If you did not uninstall Solaris Management Console 1.0, 1.0.1, or 1.0.2 software before you upgraded, you must remove all Solaris Management Console 1.0, 1.0.1, or 1.0.2 software packages. You must use `pkgrm` for package removal instead of `prodreg` and you must carefully follow the order of package removal. Follow these steps.

  1. Become superuser.
  2. In a terminal window, type the following commands.

     ```
     # pkginfo |grep "Solaris Management Console"
     # pkginfo |grep "Solaris Management Applications"
     # pkginfo |grep "Solaris Diskless Client Management Application"
     ```

     The package names in the output identify a Solaris Management Console 1.0 software package if the description does not start with "Solaris Management Console 2.0."

  3. Use `pkgrm` to remove all instances of Solaris Management Console 1.0 software packages in the following order.

**Note** – Do not remove any package that has "Solaris Management Console 2.0" in the description. For example, `SUNWmc.2` might indicate the Solaris Management Console 2.0 software.
Note – If the pkginfo output displays multiple versions of Solaris Management Console 1.0 software packages, use pkgrm to remove both packages. Remove the original package first and then the package that has been appended with a number. For example, if the SUNWmcman and SUNWmcman.2 packages appear in the pkginfo output, first remove SUNWmcman and then SUNWmcman.2. Do not use prodreg.

# pkgrm SUNWmcman
# pkgrm SUNWmcapp
# pkgrm SUNWmcsvr
# pkgrm SUNWmcsvu
# pkgrm SUNWmc
# pkgrm SUNWmcc
# pkgrm SUNWmcsws

4. In a terminal window, type the following command.

# rm -rf /var/sadm/pkg/SUNWmcapp

The Solaris Management Console 2.0 software should now function. For future maintenance, or if the console does not function properly, remove the Solaris Management Console 2.0 software and reinstall it by following the next steps.

1. In a terminal window type the following commands.

# pkginfo |grep "Solaris Management Console"
# pkginfo |grep "Solaris Management Applications"
# pkginfo |grep "Solaris Diskless Client Management Application"

The package names in the output identify the remaining Solaris Management Console software packages that are installed on your system.

2. Use pkgrm to remove all Solaris Management Console 2.0 software packages in the following order.

Note – If your system has multiple instances of Solaris Management Console 2.0 software packages, such as SUNWmc and SUNWmc.2, first remove SUNWmc, and then SUNWmc.2. Do not use prodreg.

# pkgrm SUNWdclnt
# pkgrm SUNWmga
# pkgrm SUNWmgapp
# pkgrm SUNWmcdov
# pkgrm SUNWmcesx
# pkgrm SUNWwbmc
# pkgrm SUNWmc
# pkgrm SUNWmcc
# pkgrm SUNWmccom
3. Insert the Solaris 8 Software (SPARC Platform Edition) 1 of 2 CD into your CD-ROM drive and type the following in a terminal window.

```
# cd /cdrom/sol_8_1001_sparc/s0/Solaris_8/Product
# pkgadd -d . SUNWmccom SUNWmcc SUNWwbmc SUNWmces SUNWmcdev SUNWmc SUNWmct SUNWmclnt
```

All previous versions of the Solaris Management Console software are now removed and the Solaris Management Console 2.0 software is functional.

Locale Installation Mechanism Change

The locale support installation mechanism has changed in the Solaris 8 operating environment. In the Solaris 2.5.1, 2.6, and 7 operating environments, the level of locale support that was installed depended on the software cluster that was chosen. The Solaris 8 operating environment includes a new installation interface that prompts you to select specific geographic regions for which you require locale support. Therefore, you can customize the configuration of your system at installation of the Solaris 8 operating environment with more freedom than in the Solaris 2.5.1, 2.6, and 7 operating environments.

Notice especially the following behaviors:

- You must select the locales to be installed during the initial installation in the Geographic Selection screen. C (POSIX locale) and en_US.UTF-8 (Unicode support) are the only locales that are automatically installed.
- When you upgrade from previous releases, some of the locales are automatically selected, depending on the available locales on the system to be upgraded. Note that English, French, German, Italian, Spanish, and Swedish partial locales were always present on the system in the Solaris 2.5.1, 2.6, and 7 operating environments.
- Unicode locales (UTF-8) have a feature to enable multilingual text input. Because these locales use Asian input methods that are provided by each individual locale, install those Asian locales for which you need to type text.
Installation Bugs That Occur During an Interactive Installation From Solaris 8 1 of 2 CD

Installation Progress Bar May Be Inaccurate (1266156)

The Installing Solaris Software - Progress bar sometimes indicates that an installation is complete when it is still in progress. The installation program might add packages for several minutes after the progress bar has indicated that the installation is complete.

Do not rely on the progress bar to indicate that the installation is complete. The installation displays the following message when the program has completed all installation operations.

Installation complete

Warnings May Occur When a File System Is Created (4189127)

One of the following warning messages might be displayed when a file system is created during installation.

Warning: inode blocks/cyl group (87) >= data blocks (63) in last cylinder group. This implies 1008 sector(s) cannot be allocated.

Or

Warning: 1 sector(s) in last cylinder unallocated

The warning occurs when the size of the file system that is being created does not map exactly to the space on the disk that is being used. This discrepancy can result in unused space on the disk that is not incorporated into the indicated file system. This unused space is not available for use by other file systems.

Workaround: Ignore the warning message.
Custom JumpStart Does Not Prompt for the Solaris 8 Software 2 of 2 CD (4304912)

After you install the Solaris 8 Software 1 of 2 CD, a custom JumpStart™ installation does not prompt you to install the Solaris 8 Software 2 of 2 CD.

**Workaround:** Choose one of the following workarounds.

- If you are installing only the End User software group, you do not need to install the Solaris 8 Software 2 of 2 CD because the End User software and its basic locale support are on the Solaris 8 Software 1 of 2 CD.

- If you are installing the Entire Distribution plus OEM, Entire Distribution, or Developer software, and are using a custom JumpStart installation from a server, use a network install server that contains the Solaris 8 1 of 2, 2 of 2, and Languages CDs. See “Creating a Profile Server” in *Solaris 8 Advanced Installation Guide*.

- If you are installing the Entire Distribution plus OEM, Entire Distribution, or Developer software and are using a custom JumpStart installation from a diskette, follow these steps to install the Solaris 8 Software 2 of 2 and Languages CDs:
  1. After the custom JumpStart completes the installation of the Solaris 8 Software 1 of 2 CD, reboot the system.
  2. Log in to the system.
  3. Insert the Solaris 8 Software 2 of 2 CD.
  4. Execute the installer script and follow the instructions on the screen to install the remaining software.
  5. Insert the Solaris 8 Languages CD.
  6. Execute the installer script and follow the instructions on the screen to install any languages.

Installation Bugs That Occur During an Upgrade

Upgrade Fails if `/export` Is Near Capacity (4409601)

If the `/export` directory is near full capacity and you upgrade to the Solaris 8 10/01 operating environment, the space requirements for `/export` are miscalculated and
the upgrade fails. The problem commonly occurs if a diskless client is installed, or if third-party software is installed in /export. The following message is displayed.

WARNING: Insufficient space for the upgrade.

Workaround: Before you upgrade, choose one of the following workarounds.

- Temporarily rename the /export directory until the upgrade completes.
- Temporarily comment out the /export line in the /etc/vfstab file until the upgrade completes.
- If /export is a separate file system, then unmount /export before you perform the upgrade.

Unable to Remove .save.SUNWcsr After Upgrading (4400054)

After upgrading from the Solaris 2.5.1 8/97 or 11/97 operating environment to the Solaris 8 operating environment, you might see the following error in /a/var/sadm/system/logs/upgrade_log.

```
rm: Unable to remove directory /a/var/sadm/pkg/.save.SUNWcsr: File exists
```

Workaround: To prevent the error, before you upgrade to the Solaris 8 operating environment, perform fsck on the root file system.

To resolve the error after you upgrade, perform fsck on the root file system.

Upgrading Diskless Client Servers and Clients (4363078)

If your system currently supports diskless clients that were installed with the AdminSuite 2.3 Diskless Client tool, you must first delete all existing diskless clients prior to installing the Solaris 8 10/01 operating environment. For specific instructions, see “How to Set Up Your Diskless Client Environment” in Solaris 8 System Administration Supplement.

If you attempt to install the Solaris 8 10/01 operating environment over existing diskless clients, the following error message appears.

```
The Solaris Version (Solaris 7) on slice <xxxxxxxx> cannot be upgraded. There is an unknown problem with the software configuration installed on this disk.
```
Upgrading the JavaSpaces Datastore to Prevent Web-Based Enterprise Management (WBEM) Data Loss (4365035)

If you are upgrading from the Solaris 8 (Solaris WBEM Services 2.0), Solaris 8 6/00 (WBEM Services 2.1), Solaris 8 10/00 (WBEM Services 2.2), or Solaris 8 1/01 (WBEM Services 2.3) operating environments to the Solaris 8 10/01 operating environment (Solaris WBEM Services 2.4), you must convert any proprietary custom Managed Object Format (MOF) data to the new Reliable Log repository format that is used with Solaris WBEM Services 2.4. Failure to convert the data results in data loss.

**Workaround:** To convert WBEM data, before upgrading you must save the JavaSpaces™ software. After upgrading, you must run the **wbemconfig convert** command.

Before upgrading to the Solaris 8 10/01 operating environment, follow these steps to save the JavaSpaces software.

1. **Become superuser.**
2. **Save the JavaSpaces software.**
   
   ```bash
   cp /usr/sadm/lib/wbem/outrigger.jar /usr/sadm/lib/wbem/outrigger.jar.tmp
   ```
3. **Check and record the version of the JDK™ software that is installed on your machine. For example:**
   
   ```bash
   # /usr/bin/java -version
   java version "1.2.1"
   Solaris VM (build Solaris_JDK_1.2.1_04c, native threads, sunwjit)
   ```
   You must be running the same version of the JDK software that was running when the original JavaSpaces datastore was created.

**Note** – After upgrading to the Solaris 8 10/01 operating environment, you must convert the WBEM data. For specific instructions, see “Upgrading the WBEM Repository to Prevent WBEM Data Loss” in *Solaris 8 Installation Supplement.*

Relocated CDE From the Solaris 2.5.1 Operating Environment Orphaned by an Upgrade to the Solaris 8 Operating Environment (4260819)

This problem affects systems that run the Solaris 2.5.1 and the Solaris 2.5.1 unbundled CDE operating environments. However, these systems are only affected if the unbundled CDE has been relocated to a directory other than /usr/dt. The CDE
relocation on these systems has been accomplished by creating a symbolic link in /usr/dt that points to the relocated CDE.

When you upgrade to the Solaris 8 operating environment, CDE is reinstalled in /usr/dt, and the link to the relocated version is removed. The relocated CDE is not removed and is therefore orphaned.

If the upgrade involves the reallocation of file systems, the upgrade might fail because the reallocation mechanism does not allow for the extra space that is needed in /usr/dt for the new version of CDE. This failure is not visible until the upgrade has been completed. If this failure occurs, the upgrade log includes several messages that indicate more space is needed for an upgrade.

**Workaround:** Uninstall the relocated CDE before you start upgrading to the Solaris 8 operating environment. You can uninstall by using the install-cde script from the Solaris 2.5.1 CDE CD. You should run this script with the -uninstall flag to remove CDE.

---

**Upgrading the Solaris 7 Operating Environment With WBEM 1.0 to the Solaris 8 Operating Environment Causes WBEM 2.0 to Fail (4274920)**

If you installed WBEM 1.0 from the Solaris Easy Access Server (SEAS) 3.0 CD on a system that runs the Solaris 7 operating environment, you must remove the WBEM 1.0 packages before upgrading to the Solaris 8 operating environment. The Solaris WBEM Services 2.0 do not start after you upgrade the Solaris 7 operating environment with WBEM 1.0 to the Solaris 8 operating environment. The Common Information Model (CIM) Object Manager fails to start. The following error message is displayed.

File not found: /opt/sadm/lib/wbem/cimom.jar

**Workaround:** Use the pkgrm command to remove the WBEM 1.0 packages before upgrading to the Solaris 8 operating environment.

1. Use the pkginfo command to check if the WBEM 1.0 packages are installed by typing the following:

   % pkginfo | grep WBEM

2. Become superuser.

3. Use the pkgrm command to remove all WBEM 1.0 packages by typing the following.

   # pkgrm SUNWwbapi
   # pkgrm SUNWwbcor
   # pkgrm SUNWwbdev
   # pkgrm SUNWwbdoc
   # pkgrm SUNWwbm
SUNWeeudt Partially Fails to Install During an Upgrade (4304305)

The upgrade log might state that the SUNWeeudt package was only partially installed.

```
Doing pkgadd of SUNWeeudt to /
ERROR: attribute verification of
  </a/usr/dt/appconfig/types/ru_RU.KOI8-R/datatypes.dt>
  failed pathname does not exist ...

Installation of <SUNWeeudt> partially failed.
pkgadd return code = 2
```

**Workaround:** Perform the following steps after the upgrade has been completed.

1. To remove the SUNWeeudt package, type the following.
   ```
   # pkgrm SUNWeeudt
   ```
2. To add the SUNWeeudt package, type the following.
   ```
   # pkgadd SUNWeeudt
   ```

64-bit Packages Are Unnecessarily Installed During Upgrade From Solaris 2.6 or Solaris 7 Operating Environment (4323398)

When you upgrade to the Solaris 8 10/01 operating environment from the Solaris 2.6 or Solaris 7 operating environment and do not select 64-bit support as an upgrade option, the following 64-bit packages are unnecessarily installed:

- SUNWceuox
- SUNWeeoux
- SUNWneoux
- SUNWseoux
- SUNWweoux

**Workaround:** After you complete the upgrade, remove these 64-bit packages by using the `pkgrm` command:

```
# pkgrm SUNWceuox SUNWeeoux SUNWneoux SUNWseoux SUNWweoux
```
64–Bit Solaris Issues

Sun UltraSPARC System (sun4u) May Need Boot Flash PROM Update

**Note** – If your system is already running 64-bit ready firmware, then the flash PROM update is not required.

If you want to run the 64-bit Solaris operating environment on an UltraSPARC™ system, you might need to update its flash PROM firmware. The Solaris 8 installation programs have an option for adding 64-bit support. This 64-bit support is selected by default when you install on Sun UltraSPARC systems. A 64-bit system only boots in the 64-bit mode by default if it has a CPU speed of 200 MHz or greater.

**Note** – If you choose to run the 32-bit Solaris operating environment on any Sun™ or UltraSPARC system, the flash PROM update is not needed.

The following table lists the UltraSPARC (sun4u) systems that are affected and the minimum firmware versions that are needed. *System type* is the equivalent of the output of the `uname -i` command. You can tell which firmware version you are running by using the `prtconf -V` command.

**TABLE 1–1 Minimum Firmware Versions Required to Run 64–Bit Solaris Operating Environment on UltraSPARC Systems**

<table>
<thead>
<tr>
<th>System Type From <code>uname -i</code></th>
<th>Minimum Firmware Version From <code>prtconf -V</code></th>
</tr>
</thead>
<tbody>
<tr>
<td>SUNW,Ultra-1-Engine</td>
<td>3.10.0</td>
</tr>
<tr>
<td>SUNW,Ultra-1</td>
<td>3.11.1</td>
</tr>
<tr>
<td>SUNW,Ultra-2</td>
<td>3.11.2</td>
</tr>
<tr>
<td>SUNW,Ultra-4</td>
<td>3.7.107</td>
</tr>
<tr>
<td>SUNW,Ultra-Enterprise</td>
<td>3.2.16</td>
</tr>
</tbody>
</table>
Note – If a system is not listed in the previous table, it does not need a flash PROM update.

For instructions on performing the flash PROM update by using the Solaris CD, refer to the Solaris 8 on Sun Hardware Collection. If you do not have this manual, you can obtain it at http://docs.sun.com.

Localization Bugs That Occur During Installation

Custom Screen in French and German Is Not Localized (4368056)

The package customization screen for the Solaris 8 1 of 2 CD is not translated for French and German.

Workaround: Accept the default selections.

Error Messages May Occur During European Upgrade (4230247, 4225787)

After upgrading from the Solaris 7 3/99, 5/99, 8/99, or 11/99 operating environment to the Solaris 8 10/01 operating environment, the following errors might appear in the upgrade logs.

Doing pkgadd of SUNWplow to /.
pkgadd: ERROR: unable to create package object
file type <s> expected <d> actual
unable to remove existing directory at
</a/usr/openwin/share/locale/de.ISO8859-15>
.....
Installation of <SUNWplow> partially failed.
pkgadd return code = 2
Doing pkgadd of SUNWpldte to /.
WARNING: /a/usr/dt/appconfig/types/de.ISO8859-15
may not overwrite a populated directory.
......
pkgadd: ERROR: /a/usr/dt/appconfig/types/de.ISO8859-15
could not be installed.
......
Installation of <SUNWpldte> partially failed.
pkgadd return code = 2
This warning occurs because the patch switches the affected directories in the upgrade
logs from symbolic links to directories. The upgrade process then attempts to install
an updated version of the package that does not include the change. These errors do
not affect the operating environment on your system.

Workaround: Ignore these error messages.

Swedish Locale: Dialog Boxes Displayed During
Installation Are Not Localized (4300655)
The Solaris interactive installation dialog box has not been localized except for the
title. The section that has not been localized begins with the following text.
You’ll be using the initial option .....}

French and Italian Installation Wizards May
Display {0} Instead of the CD Title (4302549)
{0} is occasionally displayed in French and Italian where a CD title normally appears.

Motif suninstall Fails in de_AT.ISO8859-15
and fr_BE.ISO8859-15 Locales (4305420)
Installing the operating environment by using the two languages that are specified
causes parts of the installation process to be displayed in English. In addition, all the
localization packages are not installed. The following message is displayed.
XView warning: "de" kann nicht als Sprachumgebungs-Kategorie
Ausgabesprache (gesetzt über Umgebungvariable(n)) verwendet
werden, wenn Standardspracheauf"de_AT.ISO8859-15" gesetzt ist
(Server Package)
XView warning: Requested input method style not supported.
(Server package)
Workaround: Install the Solaris operating environment by using the German or French ISO8859-1 locales.

German Locale: Add and Cancel Buttons in the Proxy Kiosk Screen Are Labeled as Undefined (4306260)

The German Web Start Kiosk proxy information dialog box has the OK and Cancel buttons labeled as Undefined. The button on the left should be OK and the button on the right should be Cancel.
Solaris Runtime Issues

This chapter describes known runtime problems.

The following runtime bug descriptions have been added to this chapter since this document was published on the Solaris 8 10/01 Documentation CD and in the Installation Kiosk on the Solaris 8 10/01 Installation CD.

- “Sun Blade 1000 System and Frame Buffer Power Management (4500828)” on page 28
- “Frame Buffer Power Management (FBPM) Might Not Be Enabled by Default (4502650)” on page 28
- “SPECjvm98 running on JVM 1.2 Might Hang on Ultra 60 systems (4340306)” on page 37
- “USB Device Might Not Be Recognized When Hot-Plugged (4500963)” on page 29
- “Audio Applications Might Stop Working After a USB Audio Device Is Hot-Unplugged (4424286)” on page 30
- “USB Speakers Might Not Produce Sound” on page 30
- “Remote Display of Solaris Management Console Hangs (4488117)” on page 34
Power Management Bugs

Sun Blade 1000 System and Frame Buffer Power Management (4500828)

If a Sun Blade™ 1000 system is configured with a CD-ROM, or a DVD-ROM, and the monitor and frame buffer are powered off, the system will hang during a panic and a core dump will not be saved.

Workaround: Disable power management of the CD-ROM, or DVD-ROM, on a Sun Blade 1000 system. Follow these steps.

1. Add the following line to the /etc/power.conf file.

   ```
   % device-thresholds /pci@8,700000/scsi@6/sd@6,0 always-on
   ```

   **Note** – You must disable power management in the /etc/power.conf file for any additional removable media devices that you have attached to your system. For more information on determining and disabling additional removable media devices, see power.conf(4) and prtconf(1M).

2. Reboot the system, or type the following on a command line.

   ```
   % pmconfig
   ```

   For more information, see pmconfig(1M).

Frame Buffer Power Management (FBPM) Might Not Be Enabled by Default (4502650)

Frame Buffer Power Management (FBPM) might not be enabled by default in the Solaris 8 10/01 operating environment.
Workaround: To enable FBPM, follow these steps.

1. Type the following on a command line.
   ```
   % xset +fbpm
   ```
2. Save your CDE session.

**Note** – The FBPM settings are user-specific and are stored in your home directory. If you login on a system that is not FBPM capable and save the changes to your CDE session, FBPM will be disabled. To avoid disabling FBPM in the future, do not save your CDE session if you are logged in on a system that does not support FBPM. If FBPM becomes disabled, repeat the workaround.

---

**USB Audio Issues**

USB Device Might Not Be Recognized When Hot-Plugged (4500963)

If a system is booted without the reconfiguration option and no USB keyboard or mouse is connected, USB drivers are not automatically attached. The system will not recognize hot-plugged USB devices.

**Workaround:** To make the system recognize hot-plugged USB devices, choose one of the following workarounds.

- Add the following line to `/etc/system` and reboot the system.
  ```
  forceload:drv/ohci
  ```
- Type the following on a command line.
  ```
  # devfsadm -i ohci
  ```

For more information see `devfsadm(1M)`. 
Audio Applications Might Stop Working After a USB Audio Device Is Hot-Unplugged (4424286)

If you hot-unplug a USB audio device the links to /dev/audio are broken. As a result, some audio applications might not recognize audio devices, including on-board audio. Rebooting the system or hot-plugging the USB audio device has no effect.

Workaround: Perform the following steps after a USB audio device is hot-unplugged.
1. Become superuser.
2. Correct the broken links by typing the following on a command line.
   
   ```
   # rm /dev/audio*
   # /usr/sbin/devfsadm -c audio
   ```

   For more information see devfsadm(1M).

USB Speakers Might Not Produce Sound

Third-party USB speakers might not produce sound after the USB driver is attached. Increasing the speaker volume or hot-plugging the device might not have any effect.

Workaround: Powercycle the USB speakers.

---

Smart Card Bugs

Smart Card User Cannot Login (4449515)

If you change the authentication defaults for a smart card and the PIN authentication mechanism is not included, access to the smart card is denied. Subsequent authentication mechanisms are inaccessible and the smart card user cannot log in.

Workaround: Choose one of the following workarounds.

- Do not modify the default authentication settings.
- If you modify default authentication settings, you must include and configure the PIN authentication mechanism.
System Does Not Respond to Smart Card (4415094)

If ocfserv terminates and the display is locked, the system remains locked even when a smart card is inserted or removed.

Workaround: Perform the following steps to unlock your system.

1. Use rlogin to connect to the system on which the ocfserv process terminated.
2. Kill the dtsession process by typing the following in a terminal window.

   `pkill dtsession`

The ocfserv process restarts and smart card login and functionality will be restored.

Edit Config File Menu Item in Smart Cards Management Console Does Not Work (4447632)

The Edit Config File menu item in the Smart Cards Management Console does not edit smart card configuration files that are located in `/etc/smartcard/opencard.properties`. If the menu item is selected, a warning is displayed that indicates not to continue unless requested by technical support.

Workaround: Do not use the Edit Config File menu item in the Smart Cards Management Console. For information on smart card configuration, see Solaris Smart Cards Administration Guide.

Common Desktop Environment (CDE) Issues

Compiling Motif Programs on the Solaris 8 Operating Environment

A problem occurs when you compile a Motif program in the Solaris 8 operating environment under the following circumstances. When you link to a shared library that has been compiled in the Solaris 2.4, 2.5, 2.5.1 or 2.6 operating environments, the older library also uses the Motif Application Programming Interface (API).
The Motif program uses Motif version 2.1 and the old shared library uses Motif version 1.2. A core dump occurs. This is not a binary compatibility problem for applications that were compiled in the Solaris 2.4, 2.5, 2.5.1, 2.6 operating environments, which should run correctly in the Solaris 8 operating environment.

**Workaround:** If an older shared library links directly to the Motif library, and if you are compiling a program in the Solaris 8 operating environment that links to both Motif and that older shared library, use a line such as the following to compile:

```
cc foo.c -o program -DMOTIF12_HEADERS -I/usr/openwin/include \
-I/usr/dt/include -lXm12 -lXt -lX11
```

In this line, `program` is the name of the program you are compiling.

---

**Common Desktop Environment Bugs**

**OpenWindows File Manager Fails to Mount Diskette (4329368)**

The OpenWindows™ File Manager fails to display a File Manager view that lists the contents of a floppy disk in certain circumstances. The problem occurs when you insert a floppy disk into the drive on a system that also has a SCSI removable media device. When you select Check for Floppy from the File menu in File Manager, File Manager mounts the floppy disk in the `/floppy` directory, but fails to display a File Manager view that lists the floppy disk contents.

**Workaround:** Choose one of the following workarounds.

- To view the contents of a floppy disk, follow these steps:
  1. Click on the `/` folder in the File Manager Iconic Path.
  2. Double-click on the `floppy` folder in the `/` display window.
  3. Double-click on the `floppy0` folder in the `/floppy` display window.

- To format a floppy disk, follow these steps:
  1. Unmount the floppy disk.

    ```
    $ volrmount -e floppy0
    ``

    In this command, `floppy0` is the floppy disk’s folder in the `/floppy` directory.
  2. Format the floppy disk.

    ```
    $ fdformat floppy0
    ```

- To create a new file system on a floppy disk, follow these steps:
Note – If you have already unmounted the floppy disk, go to step 2 of this workaround.

1. Unmount the floppy disk.
   
   `% volrmount -e floppy0`
   
   In this command, floppy0 is the floppy disk's folder in the /floppy directory.

2. Create the appropriate file system on the floppy disk.
   
   - To create a new UFS file system on the floppy disk, use the `newfs` command:
     
     `% newfs /vol/dev/aliases/floppy0`
   
   - To create a PCFS file system on the floppy disk, use the `mkfs` command:
     
     `% mkfs -F pcfs /vol/dev/aliases/floppy0`

3. Mount the floppy disk.
   
   `% volrmount -i floppy0`

   - To eject the floppy disk, use the `eject` command.

   `% eject floppy0`

To prevent this problem, apply patch 109463-01.

PDASync Cannot Delete Last Entry From the Desktop (4260435)

After you delete the last item from the desktop, the item is restored from the handheld device to the desktop when you synchronize your handheld device. Examples of items that you might delete and have restored are the last appointment in your Calendar or the last address in the Address Manager.

Workaround: Manually delete the last entry from the handheld device prior to synchronization.

PDASync Does Not Support Data Exchange With the Multibyte Internationalized PDA Device (4263814)

If you exchange multibyte data between a PDA device and Solaris CDE, the data might be corrupted in both environments.
Workaround: Back up your data on your personal computer with the PDA backup utility before you run the PDASync application. If you accidentally exchange multibyte data and corrupt that data, restore your data from the backup.

System Administration Bugs

Remote Display of Solaris Management Console Hangs (4488117)

When you remotely display the Solaris Management Console on the Solaris 8 7/01, or 10/01 operating environment, opening a dialog box in the console causes the console, including the open dialog box, to hang.

Workaround: Use the Solaris Management Console on your local system to connect to, and manage, a system running the Solaris 8 7/01, or 10/01, operating environment. Follow these steps.

1. Close the hung console window.
2. Start the Solaris Management Console on your local system.
3. Select Open Toolbox from the console menu.
4. Click the Server Toolbox tab and select, or enter, the name of the remote system you want to manage.
5. Click the Open button.

You can now use the console to manage the remote system.

Web-Based Enterprise Management (WBEM) HTTP Service Does Not Automatically Start (4486999)

The WBEM HTTP service in the Solaris 8 operating environment does not automatically start. If you want to use HTTP to connect to WBEM, you must manually start the WBEM HTTP service.

Workaround: To manually start the WBEM HTTP service, follow these steps.

1. Become superuser.
2. Stop the WBEM server if it is running.
# /etc/init.d/init.wbem stop

3. Set your classpath to include the following .jar files.

```bash
# CLASSPATH=/usr/sadm/lib/wbem/cimapi.jar:/usr/sadm/lib/xml.jar:
  /usr/sadm/lib/wbem/cimom.jar
# export CLASSPATH
```

4. Start the HTTP service.

```bash
# java com.sun.wbem.client.HttpService &
```

5. Start the Common Information Model (CIM) Object Manager service.

```bash
# /usr/sadm/lib/wbem/wbemconfig &
```

**WBEM Event Delivery Fails When Lowercase Is Used (4441369)**

If a Solaris provider generates indications and the class name is set to uppercase, the event delivery fails.

**Workaround:** Use uppercase characters to define indication class names.

**Incorrect Error Message When Using flarcreate -e and -E (4404811)**

If you run the `flarcreate` command with both the `-e` and `-E` options an error is encountered. The following message is displayed.

```
ERROR: Options -D and -f are mutually exclusive
```

The message should read as follows.

```
ERROR: Options -E and -e are mutually exclusive
```

**Workaround:** Ignore the error message. Do not use the `-e` and `-E` options together.

**Obsolete Files Still Present in Help System (4339515)**

After selecting Help -> Information from the Front Panel, a list of obsolete files is returned. The correct file is `S8FCSreleasenotes`.

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CIM_ERR_LOW_ON_MEMORY Error Occurs When Trying to Add Data With WBEM (4312409)

The following error message is displayed when memory is low:

```cim
CIM_ERR_LOW_ON_MEMORY
```

You cannot add more entries when the CIM Object Manager has run low on memory. You must reset the CIM Object Manager Repository.

**Workaround:** To reset the CIM Object Manager Repository, follow these steps.

1. Become superuser.
2. Stop the CIM Object Manager.
   ```bash
   # /etc/init.d/init.wbem stop
   ```
3. Remove the JavaSpaces log directory.
   ```bash
   # /bin/rm -rf /var/sadm/wbem/logr
   ```
4. Restart the CIM Object Manager.
   ```bash
   # /etc/init.d/init.wbem start
   ```

**Note** – You lose any proprietary definitions in your datastore. You must recompile the MOF files that contain those definitions by using the `mofcomp` command. For example:

```bash
# /usr/sadm/bin/mofcomp -u root -p root_password your_mof_file
```

---

64–Bit Solaris Bugs

Missing Symbolic Link in SUNWcsxu (4391527)

Secure 64-bit applications can only be preloaded from the secure directory `/usr/lib/secure/64`. The symlink `/usr/lib/secure/64 -> /usr/lib/secure/sparcv9` is missing. As a result, you might receive this error message:

```bash
$ LD_PRELOAD=/lib/so.so.1 setxid-app
ld.so.1: setxid-app: warning: libfoo.so.1: open failed:
   No such file in secure directories
```

**Workaround:** To prevent this problem, choose one of the following workarounds:
Create two symbolic links: symlink /usr/lib/secure/64 -> /usr/lib/secure/sparcv9 and symlink /usr/lib/link_audit/64 -> /usr/lib/link_audit/sparcv9.

Apply patch 109147-08.

Java Runtime Issues

Java Plug-in Support

Java Plug-in 1.2 is the default plug-in that runs Java 2 applets but not all Java 1.1 applets. If you require the Java Plug-in 1.1, you can download it from http://www.sun.com/solaris/netscape.

If you choose to install both Java Plug-in 1.1 and Java Plug-in 1.2 on the same system, you must follow the instructions for how to install Java Plug-in 1.1 and then configure your environment accordingly.


Java Runtime Bugs

SPECjvm98 running on JVM 1.2 Might Hang on Ultra 60 systems (4340306)

Late testing of the Solaris 8 10/01 operating environment discovered a hang which might occur on an Ultra™ 60 with JDK 1.2.2_08. This hang was fixed in JDK 1.2.2_09, but was discovered too late to include in this release. If you experience this problem, please download JDK 1.2.2_09 at http://www.sun.com/software/solaris/java/download.html
libjvm.so Does Not Function Correctly When Using dlopen (4270715)

libjvm.so does not function correctly if it is brought into the process using dlopen. It must be linked into the executable when that object is created.

**Workaround:** Explicitly name libjvm.so (-ljvm) and libjava.so (-ljava) as dependencies when you create an executable.

---

**AnswerBook2 Bugs**

The `ab2admin` Command Intermittently Indicates command failed Even Though the Command Succeeded (4242577)

If the `ab2admin` command fails, the error message contains additional information besides `command failed`. For example, it might also include `path not found` or `invalid ID`.

**Workaround:** If the message `command failed` is displayed, ensure that the operation failed. For example, if the command you submitted should have deleted a collection from the AnswerBook2™ database, type the following command to verify that the collection is displayed in the database.

```
# ab2admin -o list
```

You can frequently ignore the message `command failed` when no additional information is provided.

ab2cd Script Displays an Erroneous Error Message (4256516)

During the startup of an AnswerBook2 server, the ab2cd script might display the following erroneous error message.

```
sort: can't read /tmp/ab1_sort.XXX: No such file or directory
```

This error message states that the ab2cd script has not located any of the AnswerBook (Display PostScript™) collections on the CD.

---

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Workaround: Ignore the error message.

---

Localization Issues

Use Font Downloader to Print From Any Non-ISO8859-1 Locale

Perform the following steps to print from any non-ISO8859-1 locale by using the Font Downloader.

1. Log in to CDE.
2. Type `fdl` at the command line to start the Font Downloader.
3. Specify the printer by selecting Add from the Printer menu.
4. Select Font Bundle from the Download menu.
   The font bundles are then downloaded to the specified printer, depending on what codeset is needed for printing.

---

Runtime Localization Bugs

**kcv.sh Dumps Core In Japanese Locale (4394340)**

*kcv* is an input method server for Japanese 4.x Binary Compatibility (BCP) applications. When LDAP is used, *kcv* dumps core repeatedly with the error message:

```
cssd: The process "kcv.sh" has been killed by sig134, core dumped
```

This problem occurs in all locales when 'ja' locale is installed by using the Languages CD.
Workaround: If you do not need to use the Japanese BCP feature, configure your system not to start input method servers for BCP applications:

1. Copy `/usr/lib/css.d/cs00.sh` to `/etc/css.d`
   
   ```
cp -p /usr/lib/css.d/cs00.sh /etc/css.d
   ```
2. Edit `/etc/css.conf` and comment out the line of `/usr/lib/css.d` with `#`
   
   ```
   # /etc/css.conf
   ```
3. Restart the CS monitor daemon.
   
   ```
   # sh /etc/init.d/loc.ja.cssd stop
   # sh /etc/init.d/loc.ja.cssd start
   ```

EURO NOT ACCESSIBLE IN UTF-8 LOCALES (4363812)

The Euro is not accessible in any UTF-8 locale by using the standard key sequence ALTGr+E.

Workaround: Log in to any ISO8859-15 locale and use Alt+E to access the Euro.

WARNING MESSAGES MIGHT APPEAR WHEN Launching Java Applications From Any UTF-8 Locale (4342801)

LucidaSansLat4 font aliases are not available, so related error messages might appear when you launch a Java application from any UTF-8 locale.

Workaround: Log in to the ISO-1 equivalent of the locale and launch the Java application from there.

SOME GREEK CHARACTERS ARE NOT AVAILABLE IN CDE (4179411)

Some dead-key combinations do not work correctly in CDE. Also, names of months do not function correctly in the Calendar Manager in the Greek locale.
Cannot Print Extended Characters in Calendar Manager in All Partial Locales (4285729)

If you attempt to print extended characters when you use Calendar Manager in a partial locale, the extended characters do not print correctly.

Cutting and Pasting Text Between Arabic and UTF-8 English Does Not Work (4287746)

You cannot cut or paste Arabic text between an application or window that is running under `en_US.UTF-8` in Arabic input mode and an application or window running under `ar_EY.ISO8859-6` in Arabic input mode.

The CDE Extras Drop-Down Menu Is Not Available for European Locales (4298547)

When you right-click in any CDE application for a European locale, the CDE Extras drop-down menu does not display any options.

CTL Is Not Supported in Japanese and Asian UTF-8 Locales (4300239)

Complex Text Language (CTL) support for entering Hebrew, Arabic, or Thai has been implemented in `en_US.UTF-8` and European UTF-8 locales, but is not supported in `ja_JP.UTF-8`, `ko.UTF-8`, also known as `ko_KR.UTF-8`, `zh.UTF-8`, which is also known as `zh_CH.UTF-8`, and `zh_TW.UTF-8` locales.

**Workaround:** Use the `en_US.UTF-8` locale if you need to enter Thai, Arabic, or Hebrew by using CTL. If you want to enter those languages in Asian and Japanese UTF-8 locales, do the following.

1. Create a symbolic link to common CTL modules. In the instance of `ja_JP.UTF-8`, use the following commands:

   ```bash
   # cd /usr/lib/locale/ja_JP.UTF-8
   # mkdir LO_LTYPE ; cd LO_LTYPE
   # ln -s ../../common/LO_LTYPE/umle.layout.so.1 ja_JP.UTF-8.layout.so.1
   # mkdir sparcv9 ; cd sparcv9
   # ln -s ../../../common/LO_LTYPE/sparcv9/umle.layout.so.1 ja_JP.UTF-8.layout.so.1
   ```

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2. Edit the /usr/openwin/lib/locale/ja_JP.UTF-8/XLC_LOCALE file by commenting out the load_option delay_nocheck line from Thai, Arabic, or Hebrew entries. For example, in the Thai language, use the following.

```bash
# fs14 class (Thai)
fs14 {
  charset TIS620.2533-0:GR
  font {
    # load_option delay_nocheck      <<< comment out
    primary TIS620.2533-0:GR
  }
}
```

Cannot Add, Remove, or Modify Users in Solstice AdminTool in the Greek Locale (4302983)

The Add, Modify, and Remove User screens are blank in the Greek locale of the Solstice AdminTool software.

**Workaround:** In superuser mode, copy the following file.

```bash
# cp /usr/openwin/lib/locale/gl/app-defaults/Admin 
 /usr/openwin/lib/locale/el_GR.ISO8859-7/app-defaults/Admin
```

You can now add, remove, and modify user information in the Greek locale.

Font Downloader Add and Cancel Buttons Are Incorrectly Labeled in the Italian Locale (4303549)

When you are in the Italian locale and you are using the Font Downloader, both the Add and Cancel buttons in the Add Printer dialog box are incorrectly labeled. Both buttons are labeled A.

- The left button should be labeled Aggiungi (Add).
- The right button should be labeled Annulla (Cancel).

Missing Arabic Characters and Incompatibility Between the Sun Arabic Keyboard and the Microsoft Arabic Keyboard (4303879)

The following table describes the differences between the Sun Solaris Arabic keyboard and the Microsoft Arabic keyboard.
### TABLE 2–1 Differences Between Sun and Microsoft Arabic Keyboards

<table>
<thead>
<tr>
<th>Key</th>
<th>Sun Keyboard Layout</th>
<th>Microsoft Keyboard Layout</th>
</tr>
</thead>
<tbody>
<tr>
<td>T</td>
<td>T</td>
<td>Arabic Lam_alef with Hamza below</td>
</tr>
<tr>
<td>U</td>
<td>U</td>
<td>Right single quotation mark</td>
</tr>
<tr>
<td>I</td>
<td>I</td>
<td>Arabic multiplication sign</td>
</tr>
<tr>
<td>O</td>
<td>O</td>
<td>Arabic division sign</td>
</tr>
<tr>
<td>A</td>
<td>;</td>
<td>Arabic Kasra</td>
</tr>
<tr>
<td>S</td>
<td>S</td>
<td>Arabic Kasratan</td>
</tr>
<tr>
<td>Z</td>
<td>Z</td>
<td>Tilde</td>
</tr>
<tr>
<td>X</td>
<td>X</td>
<td>Arabic Sukun</td>
</tr>
<tr>
<td>C</td>
<td>Arabic Kasratan</td>
<td>Left curly brace</td>
</tr>
<tr>
<td>V</td>
<td>Arabic Kasra</td>
<td>Right curly brace</td>
</tr>
<tr>
<td>M</td>
<td>Sukun</td>
<td>Single low quotation mark</td>
</tr>
<tr>
<td>&lt;</td>
<td>&lt;</td>
<td>Arabic comma</td>
</tr>
</tbody>
</table>

**The Euro Currency Symbol Is Not Adequately Supported in the UTF-8 and Greek Locales (4306958, 4305075)**

The euro currency symbol is not generated when you press AltGr+E in the UTF-8 locale.

**Workaround:** Perform the following steps to enter the euro currency symbol in the UTF-8 locale:

1. Select Lookup in the UTF-8 Input Mode Selection window.
2. Select Currency Symbols.
3. Select the Euro symbol.
Note – In the Greek locale type, `dumpcs` at the console prompt. Then copy and paste the euro currency symbol.

Sorting in the European UTF-8 Locales Does Not Function Correctly (4307314)

Sorting in the European UTF-8 locales produces unexpected results.

*Workaround:* Before you attempt to sort in a FIGGS UTF-8 locale, set the `LC_COLLATE` variable to the ISO-1 equivalent.

```bash
# echo $LC_COLLATE
> es_ES.UTF-8
# setenv LC_COLLATE es_ES.ISO8859-1
```

Then start sorting.

Applications Not Fully Localized (4304495, 4306619)

The following applications are not fully localized. Some parts are not fully translated.

- Smart Card application (4304495)
- SEAM application messages (4306619)
Late-Breaking News

This chapter includes information on new features that arrived too late to be included in the Solaris 8 documentation set. For information on new features in the Solaris 8 10/01 operating environment, refer to the Solaris 8 10/01 Update AnswerBook Collection on http://docs.sun.com.

Update Feature Documentation

Some features in this Update release may not have documentation other than man pages. For additional reference, follow the links for documentation on the Solaris 9 operating environment Early Access page at:

http://www.sun.com/solaris/programs/solaris9ea

When accessing Solaris 9 documentation during the beta period, you may be asked to accept a restricted usage license.

Diskless Client Support

The Solaris 8 10/01 operating environment includes diskless client support. Support in this release is limited to SPARC architecture diskless clients from either SPARC or Intel architecture (IA) servers.

Sun currently plans to support IA diskless clients in a future release of the Solaris operating environment.
PIM Kernel Support

The Solaris 8 operating environment includes kernel support for the PIM protocol that is described in RFC 2362. The Solaris 8 operating environment does not include the routing daemons. For users who are using the Solaris 8 operating environment to route their multicast network traffic, implementations of the PIM protocol Sparse mode and Dense mode are at \url{http://netweb.usc.edu/pim}.

Configuring Runtime Search Paths

You can now modify the runtime linker’s search paths with the \texttt{-z nodefaultlib} option to the \texttt{ld} command and with runtime configuration files that are created by the new utility \texttt{crle(1)}. 
End-of-Software Support Statements

This chapter lists end-of-support statements.

Current Release
This section describes end-of-support statements that apply to the Solaris 8 10/01 operating environment.

HotJava Browser
The HotJava™ browser is no longer supported.

Solaris Java Development Kit: JNI 1.0 Interface
The 1.0 version of the Java Native Interface (JNI 1.0) is no longer supported by the Solaris Java Development Kit version 1.2 (JDK™ 1.2).

Support in the Solaris Java Development Kit (JDK) for the 1.0 version of the Java Native Interface (JNI 1.0) has been removed. JNI 1.0 is also known as the Native Method Interface (NMI).
Solstice AdminSuite 2.3/AutoClient 2.1

Solstice AdminSuite™ 2.3 software is no longer supported. Any attempt to run Solstice AdminSuite 2.3 to configure a Solstice AutoClient or diskless client results in a failure for which no patch is available or planned. Solaris 8 10/01 includes new commands for diskless client management. See smosservice(1M) and smdiskless(1M) for more information.

F3 Font Technology

F3 fonts and the TypeScaler rasterizer, the Sun proprietary scalable font technology, is no longer supported. Sun continues to support the industry standard font formats, Type1 and TrueType.

XGL

XGL is no longer supported.

Derived Type paddr_t

The paddr_t data type in sys/types.h is not supported in the 64-bit compilation environment. This data type is currently only available in the 32-bit compilation environment.

Changes to Application Programming Interfaces (APIs) for User Accounting Data

Two sets of application programming interfaces (API) enable user accounting data to be accessed by applications. The preferred set of programming interfaces for accessing and manipulating user accounting information is described on the getutxent(3C) man page. These interfaces are more capable and more portable than the older getutent(3C) routines.

Older applications can access the underlying accounting files directly. The files /var/adm/utmp and /var/adm/wtmp and the corresponding symbolic links /etc/utmp and /etc/wtmp are no longer supported. The format of the data that is contained in these files constrains the future evolution of the Solaris operating environment. Applications that use these files should be updated to use the documented and supported APIs.
Applications that are already using the getutent(3C) family of routines might be unaffected on small system configurations. However, in future releases these interfaces might return errors when you use them on very large system configurations. For this reason, use the getutxent(3C) routines for old code and new code instead of the getutent(3C) APIs.

**sysidnis(1M) System Identification Program**

sysidnis(1M) is no longer supported. sysidnis(1M) is the System Identification program responsible for configuring name services during installation and upgrade, and after unconfiguration that uses sys-unconfig(1M).

sysidnis(1M) has been replaced by sysdns(1M).

**Sun4c-Based Systems**

The following Sun4c—based architecture systems and servers that are based on these systems are no longer supported.

- SPARCstation™ SLC
- SPARCstation ELC
- SPARCstation IPC
- SPARCstation IPX
- SPARCstation 1
- SPARCstation 1+
- SPARCstation 2

**Note** – All hardware options (such as SCSI devices) and supported configurations that are dependent on the Sun4c-based architecture are no longer supported.

**SPARCstation Voyager**

SPARCstation Voyager™ systems are no longer supported.

**SPARC Xterminal 1**

SPARC Xterminal 1™ systems are no longer supported.
Future Releases

This section describes end-of-support statements that apply to future releases of the Solaris operating environment.

Perl Version 5.005_03

The default version of Perl might be changed to a version that is not binary compatible with the current default (5.005_03) in a future release of the Solaris operating environment. Customer-installed modules need to be rebuilt and reinstalled against the new version. Modify any scripts that require the use of version 5.005_03 to explicitly use the 5.005_03 version of the interpreter (/usr/perl5/5.005_03/bin/perl) instead of the default version (/bin/perl or /usr/perl5/bin/perl).

Early Access (EA) Directory

The name of the EA directory might be changed in a future minor release of the Solaris operating environment media.

Emulex MD21 Disk Controller for ESDI Drives

The MD21 disk controller for ESDI drives might no longer be supported in a future release.

enable_mixed_bcp Tunable

The enable_mixed_bcp tunable might no longer be supported in a future release. In the Solaris 8 operating environment the /etc/system variable enable_mixed_bcp can be set to 0 to disable dynamic linking of partially statically linked SunOS 4.0 and compatible executables. The system uses dynamic linking for these executables by default. In a future release, dynamic linking may always be used for these executables, and the enable_mixed_bcp tunable may be removed from the system. This change would not affect binary compatibility for SunOS 4.0 and compatible executables in any way.
SUNWebnfs

The SUNWebnfs package might no longer be included on future releases of Solaris operating environment media.

The library and documentation are available for download from http://www.sun.com/webnfs.

aspppd(1M) Utility

The aspppd(1M) utility might no longer be supported in a future release. Use the pppd(1M) utility with Solaris PPP 4.0 that is included in the Solaris 8 operating environment.

JDK 1.2.2 and JRE 1.2.2

Version 1.2.2 of the JDK and version 1.2.2 of the JRE might no longer be supported in a future release. Near-equivalent functionality is supported by Java 2 Standard Edition, version 1.3 and compatible versions. All current and previous versions of the JDK and JRE are available for download from http://java.sun.com.

JDK 1.1.8 and JRE 1.1.8

Version 1.1.8 of the JDK and version 1.1.8 of the JRE may no longer be supported in a future release. Near-equivalent functionality is supported by Java 2 Standard Edition, version 1.3 and compatible versions. All current and previous versions of the JDK and JRE are available for download from http://java.sun.com.

GMT Zoneinfo Timezones

The /usr/share/lib/zoneinfo/GMT[+-]* time zones might no longer be supported in a future release. These files might be removed from /usr/share/lib/zoneinfo. Replace usage of the zoneinfo timezones with the equivalent Etc/GMT[+-]* file. See zoneinfo(4) and environ(5) for more information.
**s5fs File System**

The `s5fs` file system might no longer be supported in a future release. The `s5fs` file system supports the installation of Interactive UNIX applications. Support for the installation of Interactive UNIX applications is no longer required in the Solaris operating environment.

**sendmail Utility Features**

Some features of the `sendmail` utility might no longer be supported in a future release. The affected features are modifications that are specific to Sun and are nonstandard. These features include special syntax and semantics for V1/Sun configuration files, the remote mode feature, and the three sun-reverse-alias features.


**AnswerBook2 Server**

The AnswerBook2 server may no longer be supported in a future release. Solaris documentation will continue to be available on the Solaris Documentation CD in online formats. All Solaris documentation is also available at [http://docs.sun.com](http://docs.sun.com).

**AdminTool**

AdminTool (admintool), including `swmtool`, might no longer be supported in a future release. These tools perform user management, printer management, software package management, serial port management, group management, and host management.

The print management function is currently available in the Solaris 8 operating environment (see `/usr/sadm/admin/bin/printmgr`).

**Solstice Enterprise Agents**

Solstice Enterprise Agents might no longer be supported in a future release.
XIL

XIL might no longer be supported in a future release. An application that uses XIL causes the following warning message to be displayed.

```
WARNING: XIL OBSOLESCENCE
This application uses the Solaris XIL interface
which has been declared obsolete and may not be
present in versions of Solaris beyond Solaris 8.
Please notify your application supplier.
The message can be suppressed by setting the environment variable
"_XIL_SUPPRESS_OBSOLETE_MSG.
```

Lightweight Directory Access Protocol (LDAP) Client Library

LDAP client library, libldap.so.3, might no longer be included in a future release. The new version of this library, libldap.so.4, is compliant with the draft-ietf-ldapext-ldap-c-api-04.txt revision of the ldap-c-api draft from the Internet Engineering Task Force (IETF).

SUNWrdm

The SUNWrdm package, which formerly contained release notes and which was installed in /usr/share/release_info, might not be included on the Solaris Software CD in a future release.


crash(1M) Utility

The crash(1M) utility might no longer be supported in a future release. The crash command is a utility that examines system crash dump files, which is a capability that is superseded by the new mdb(1) utility. The crash command’s interface has been structured around implementation details, such as slots, that have no relation to the Solaris operating system implementation.

“Transition From crash” in Solaris Modular Debugger Guide provides information for users who are making the transition from using crash to using mdb.
Kerberos Version 4 Client

The Kerberos version 4 client might be removed from a future release. This client includes the Kerberos version 4 support in the `kinit(1)`, `kdestroy(1)`, `klist(1)`, `ksrvtgt(1)`, `mount_nfs(1M)`, `share(1M)`, and `kerbd(1M)` commands. Support is also in the `kerberos(3KRB)` library, and in the ONC RPC programming API `kerberos_rpc(3KRB)`.

`adb(1)` Map Modifiers and Watchpoint Syntax

The `adb(1)` utility might be implemented as a link to the new `mdb(1)` utility in a future version of the Solaris 8 operating environment.

The `mdb(1)` man page describes the features of the new debugger, including its `adb(1)` compatibility mode. Even in this compatibility mode, differences between `adb(1)` and `mdb(1)` exist. These differences include the following.

- The text output format of some subcommands is different in `mdb(1)`. Macro files are formatted by using the same rules, but scripts that depend on the output of other subcommands might need to be modified.
- The watchpoint length specifier syntax in `mdb(1)` is different from the syntax that is described in `adb(1)`. The `adb(1)` watchpoint commands `:w`, `:a`, and `:p` enable an integer length (in bytes) to be inserted between the colon and the command character. In `mdb(1)`, the count should be specified following the initial address as a repeat count.
  
  The `adb(1)` command `123:456w` is specified in `mdb(1)` as `123,456:w`.
- The `/m`, `/*m`, `?m`, and `?*m` format specifiers are not recognized or supported by `mdb(1)`.

OpenWindows Toolkits for Developers

OpenWindows XView™ and OLIT toolkits might no longer be supported in a future release. Therefore, consider migration to the Motif toolkit. To disable the warning message, use `#define OWTOOLKIT_WARNING_DISABLED` or `-D`.

OpenWindows Environment For Users

The OpenWindows environment might no longer be supported in a future release. Therefore, consider migration to the Common Desktop Environment (CDE).
Federated Naming Service (FNS)/XFN Libraries and Commands

The Federated Naming Service that is based on the X/Open XFN standard might no longer be supported in a future release.

Crash Dump Options for Solaris ipcs(1) Command

The capability of applying ipcs(1) command to system crash dumps by using the -c and -N command-line options might no longer be supported in a future release. Equivalent capability is now provided by the mdb(1)::ipcs debugger command.

Deprecate sendmail -AutoRebuildAliases Option

The -AutoRebuildAliases option for the sendmail(1M) man page is deprecated and might no longer be supported in a future release.

sun4d–Based Servers

The following sun4d-based architecture servers might no longer be supported in a future release.

- SPARCserver™ 1000
- SPARCcenter™ 2000

Hardware options that are dependent on the sun4d—based architecture might no longer be supported in a future release.
Documentation Issues

This chapter describes known documentation problems.

Note – The name of this product is Solaris 8 10/01, but code and path or package path names might use Solaris 2.8 or SunOS 5.8. Always follow the code or path as it is written.

Documentation Errata

“OCF Client Properties Overview” in Solaris Smart Cards Administration Guide

The following text from the “Valid and Default Card Types for Client Applications” section is incorrect and should be ignored:

For example, suppose you specify iButton, Cyberflex, and CardA as the validcards properties for Application B. Then you specify Cyberflex as the defaultcard property. If Application B accepts only its default card and the user tries to log in to Application B with CardA, then the system displays the message:

Waiting for Default Card
Login to Application B is blocked until the user inserts a Cyberflex card into the reader.
“Setting Up a Smart Card (Tasks)” in Solaris Smart Cards Administration Guide

The “Example–Creating User Information on a Smart Card (Command Line)” section has a property that is named `username`. The property name is incorrect. The property should read `user`.

“OCF Client Properties Overview” in Solaris Smart Cards Administration Guide and “Additional Client Configuration Tasks” in Solaris Smart Cards Administration Guide

The following note is missing from the “OCF Client Properties Overview” and “Additional Client Configuration Tasks” section.

Note – Do not set the Re-authentication timeout to zero.

“Setting Up a Smart Card (Overview)” in Solaris Smart Cards Administration Guide

The following note is missing from the “Setting Up a Smart Card (Overview)” chapter.

Note – Payflex cards do not support multiple profiles. Do not use Payflex cards in cases where a user needs to login to the desktop and one or more secure applications.

Document Affected: Localized New Features List (4389948)

The localized New Features List is not contained in the Installation Kiosk.

Workaround: For a localized list, see “What’s New at a Glance” in Solaris 8 Desktop User Supplement, Solaris 8 System Administration Supplement, Solaris 8 Software Developer Supplement, or Solaris 8 Installation Supplement.

Some graphics in the *CDE User’s Guide* in the AnswerBook2 software are unreadable in the Spanish, Italian, and German locales.

**Workaround:** Refer to the *CDE User’s Guide* on http://docs.sun.com for readable graphics.

Documents Affected: AnswerBook2 Help Collection

The AnswerBook2 software has been upgraded to Version 1.4.3, but the documentation still refers to Version 1.4.2. Except for the number issue, the documentation is correct.


The 4-bit Priority field description reflects RFC 1883, which has been obsoleted by RFC 2460 (Solaris 8 implements RFC 2460). Consequently, the Priority field has been replaced by an 8-bit Traffic Class field. The IPv6 Header Format figure should identify the Traffic Class field instead of the Priority field. The Priority bulleted item on this page should also be replaced by the following Traffic Class description:

Traffic Class - 8 bit traffic class field.

This new value also reduces the number of bits that are allocated to the "Flow Label" field to 20 bits.

Document Affected: “Priority Values” in *System Administration Guide, Volume 3*

The 4-bit Priority field description reflects RFC 1883, which has been obsoleted by RFC 2460 (Solaris 8 implements RFC 2460). Consequently, the Priority field has been replaced by the 8-bit Traffic Class field. The Priority section should be replaced by the following Traffic Classes section.
Traffic Classes

Originating nodes and forwarding routers can use the 8-bit Traffic Class field in the IPv6 header to identify and distinguish between different classes or priorities of IPv6 packets.

The following general requirements apply to the Traffic Class field.

- The service interface to the IPv6 service within a node must provide a means for an upper-layer protocol to supply the value of the Traffic Class bits in packets that were originated by that upper-layer protocol. The default value must be zero for all 8 bits.
- Nodes that support a specific use of some or all of the Traffic Class bits can change the value of those bits in packets that they originate, forward, or receive, as required for that specific use. Nodes should ignore and leave unchanged any bits of the Traffic Class field for which they do not support a specific use.


Step 10c in this procedure incorrectly omits the addition of the up parameter that is required in the line that is added to the /etc/hostname.ip.tun0 file. Consequently, you must add the up parameter at the end of the line entry in this step.


Several corrections apply to this section.

- For the nfs_32_time_ok symbol, do the following.
  - Change the symbol name to nfs_allow_preepoch_time.
  - Change the description to, “This symbol controls whether the NFS client or server allows file timestamps that precede 1970.”
  - No change to the default description.
  - Delete the nfs_acl_cache symbol entry.
  - Add an nfs_disable_rddir_cache symbol entry.
  - Description: Some servers do not properly update the attributes of the directory when changes are made. To allow interoperability with these broken servers, set this variable to disable the readdir cache.
• Default: Set to off(0).
• For the nfs_lookup_neg_cache and nfs3_lookup_neg_cache symbols, do the following.
  • Change the default to 1. Ignore the comment about the directory name caching.
• For the nrnode symbol, do the following.
  • Change the default description to set to ncsiz. By setting the variable to 1, you are effectively disabling the cache, not because an explicit check reveals whether or not the variable is 1 but because you are creating a very small cache.
• For the nfs_write_error_interval symbol, do the following.
  • Change the description to, “This symbol controls how often NFS ENOSPC and EDQUOT write error messages are logged. The symbol units are in seconds.”
  • No change to the default description.


Delete the nfsreadmap symbol entry.


For the authdes_cachesz symbol, do the following.
• Change the default description to, “Defaults to 1024”.
• Delete the authkerb_cachesz symbol entry.
• Delete the authkerb_win symbol entry.
CERT Advisories

This chapter lists all CERT Advisories as of 1/6/2000.

**TABLE 6-1 CERT Advisories**

<table>
<thead>
<tr>
<th>CERT Advisory</th>
<th>Topic</th>
<th>Fix Integrated in OS Version</th>
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<td>CA-96.01</td>
<td>UDP Port Denial-of-Service Attack</td>
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<td>Fix Integrated in OS Version</td>
<td>Comments</td>
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<td>Denial of service tools</td>
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</table>
APPENDIX A

Patch List

The patches listed in this appendix have been applied to the Solaris 8 10/01 operating environment in one of the following ways:

- **SolStart**
  These patches are located in the `/var/sadm/patch` directory on an installed system.

- **Fresbobs technology**
  These patches were applied when the Solaris 8 10/01 operating environment was created. Therefore, these patches are not located in the `/var/sadm/patch` directory.

The `showrev -p` command provides a list of all patches applied to the installed system regardless of how they were applied. The Solaris 8 10/01 operating environment includes a known and tested level of patches; however, patches cannot be backed out of the Solaris 8 10/01 operating environment.

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Patch List

- **108528-11 – SunOS 5.8: kernel update patch**

    1231256 1256102 4015840 4044653 4049222 4093980 4111373 4159348 4178572 4184090 4224166 4226443 4226932 4233718 4233832 4234426 4235823 4236043 4242051 4253619 4253713 4254594 4255980 4256799 4259051 4259848 4261064 4261322 4261567 4262685 4262842 4262930 4264390 4265649 4266124 4269556 4269882 4271378 4271726 4271733 4271738 4272737 4273250 4275177 4276021 4278679 4278935 4279959 4281502 4282158 4282212 4284196 4286659 4288248 4290073 4290269 4290532 4290575 4291601 4293528 4293692 4294881 4295047 4295776 4296081 4296124 4296614 4296770 4296961 4298256 4298472 4298789 4298792 4298794 4299010 4299504 4299838 4300040 4300179 4300788 4300951 4301117 4301683 4302637 4302919 4303126 4303142 4303474 4303649 4304033 4304051 4304696 4305131 4305365 4305392 4305709 4305817
I108569-06 – X11 6.4.1: platform support for new hardware

I108576-18 – SunOS 5.8: Expert3D IFB Graphics Patch

I108604-18 – SunOS 5.8: Elite3D AFB Graphics Patch

I108605-18 – SunOS 5.8: Creator 8 FFB Graphics Patch

I108606-18 – SunOS 5.8: M64 Graphics Patch

I108609-01 – SunOS 5.8: Buttons/Dials Patch

I108623-02 – SunOS 5.8: Thai Wordbreak Iterator module

I108652-38 – SunOS 5.8: Support for Network Service Provider platforms
- **108693-06** – Solstice DiskSuite 4.2.1: Product patch

- **108711-04** – SunOS 5.8: Missing Catalan Locale Support

- **108714-05** – CDE 1.4: libDtWidget patch

- **108723-01** – SunOS 5.8: /kernel/fs/lofs and /kernel/fs/sparcv9/lofs patch

- **108725-06** – SunOS 5.8: st driver patch

- **108727-08** – SunOS 5.8: /kernel/fs/nfs and /kernel/fs/sparcv9/nfs patch

- **108734-02** – SunOS 5.8: Polish UTF-8 Support Solaris 8

- **108735-03** – SunOS 5.8: u.RU.KOI8-R Cannot cut and paste cyrrilic between dtapps

- **108773-08** – SunOS 5.8: IIIM and X Input & Output Method patch

- **108781-02** – SunOS 5.8: Get UDCTool to work for zh_TW

- **108804-04** – SunOS 5.8: Sun Quad FastEthernet qfe driver

- **108808-37** – SunOS 5.8: Manual Page updates for Solaris 8

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Patch List

- **108813-06** – SunOS 5.8: Sun Gigabit Ethernet 3.0

- **108820-01** – SunOS 5.8: nss_compat.so.1 patch

- **108823-01** – SunOS 5.8: compress/uncompress/zcat patch

- **108825-01** – SunOS 5.8: /usr/lib/fs/cachefs/cfsadmin patch

- **108827-12** – SunOS 5.8: /usr/lib/libthread.so.1 patch

- **108830-05** – SunOS 5.8: kdmouse and kb_ps2 driver patch

- **108835-02** – CDE 1.4: dtcm patch

- **108869-09** – SunOS 5.8: snmpdx/mibiisalibssasnmp/snmplib patch

- **108875-09** – SunOS 5.8: c2audit patch

- **108897-01** – X11 6.4.1 Xprint patch

- **108899-01** – SunOS 5.8: /usr/bin/ftp patch

- **108901-04** – SunOS 5.8: /kernel/sys/rpcmod and /kernel/strmod/rpcmod patch

- **108909-11** – CDE 1.4: Smart Card Administration GUI patch

- **108914-02** – SunOS 5.8: localisation updates for different components
- 108919-11 – CDE 1.4: dtlogin patch
- 108921-13 – CDE 1.4: dtwm patch
- 108923-01 – CDE 1.4: dtwm patch
- 108925-10 – SunOS 5.8: New Messages for new I18N projects(Sync with UR5 B6)
- 108933-01 – SunOS 5.8: Hex broken in Swedish dtcalc, Mistranslation in Spanish dtmail
- 108940-33 – Motif 1.2.7 and 2.1.1: Runtime library patch for Solaris 8
- 108947-01 – SunOS 5.8: /platform/sun4u/cprboot patch
- 108949-06 – CDE 1.4: libDtHelp/libDtSvc patch
- 108954-02 – SunOS 5.8: localisation updates for different components
- 108956-01 – SunOS 5.8: htt_server dumps core on SCH
- 108962-01 – SunOS 5.8: XmlReader fails on an HTTP stream
- 108964-06 – SunOS 5.8: /usr/sbin/snoop patch
- 108968-05 – SunOS 5.8: vol/vold/rmmount patch
- 108970-01 – SunOS 5.8: /usr/lib/fs/pcfs/fsck and /usr/lib/fs/pcfs/mkfs patch
I108972-04 – SunOS 5.8: /sbin/fdisk patch

I108974-14 – SunOS 5.8: dada, uata, dad, sd and scsi drivers patch

I108975-05 – SunOS 5.8: /usr/bin/rmformat and /usr/sbin/format patch

I108977-01 – SunOS 5.8: libsmedia patch

I108981-06 – SunOS 5.8: /kernel/drv/hme and /kernel/drv/sparcv9/hme patch

I108982-09 – SunOS 5.8: fcip/fp/fcp/usoc driver patch

I108983-08 – SunOS 5.8: fcip patch

I108984-08 – SunOS 5.8: qlc patch

I108985-03 – SunOS 5.8: /usr/sbin/in.rshd patch

I108987-07 – SunOS 5.8: Patch for patchadd and patchrm

I108989-02 – SunOS 5.8: /usr/kernel/sys/acctctl and /usr/kernel/sys/exacctsys patch

I108991-17 – SunOS 5.8: /usr/lib/libc.so.1 patch
- 108993-03 – SunOS 5.8: nss and ldap patch

- 108995-02 – SunOS 5.8: /usr/lib/libproc.so.1 patch

- 108997-03 – SunOS 5.8: libexacct and libproject patch

- 108999-01 – SunOS 5.8: PAM patch

- 109003-01 – SunOS 5.8: /etc/init.d/acctadm and /usr/sbin/acctadm patch

- 109005-02 – SunOS 5.8: /sbin/su.static and /usr/bin/su patch

- 109007-06 – SunOS 5.8: at/atrm/batch/cron patch

- 109009-02 – SunOS 5.8: /etc/magic and /usr/bin/file patch

- 109011-01 – SunOS 5.8: /usr/bin/id and /usr/xpg4/bin/id patch

- 109013-02 – SunOS 5.8: /usr/bin/lastcomm patch

- 109015-01 – SunOS 5.8: /usr/bin/newtask patch

- 109017-01 – SunOS 5.8: /usr/bin/pgrep and /usr/bin/pkill patch

- 109019-02 – SunOS 5.8: /usr/bin/prioctl patch

- 109021-01 – SunOS 5.8: /usr/bin/projects patch

- 109023-01 – SunOS 5.8: /usr/bin/sparcv7/ps and /usr/bin/sparcv9/ps patch

- 109025-03 – SunOS 5.8: /usr/bin/sparcv7/truss and /usr/bin/sparcv9/truss patch
109027-01 – SunOS 5.8: /usr/bin/wracc patch

109029-02 – SunOS 5.8: perl patch

109031-01 – SunOS 5.8: projadd/projdel/projmod patch

109033-01 – SunOS 5.8: /usr/bin/sparcv7/prstat and /usr/bin/sparcv9/prstat patch

109035-02 – SunOS 5.8: useradd/userdel/usermod patch

109037-01 – SunOS 5.8: /var/yp/Makefile and /var/yp/nicknames patch

109043-02 – SunOS 5.8: sonode adb macro patch

109045-02 – SunOS 5.8: /usr/sbin/sparcv7/crash and /usr/sbin/sparcv9/crash patch

109068-01 – CDE 1.4: Update Japanese CDE help files

109070-05 – SunOS 5.8: fix WBEM improper Japanese messages and update

109072-08 – CDE 1.4: (Japanese) sdtsmartcardadmin update

109077-04 – SunOS 5.8: dhcp server and admin patch

109087-01 – SunOS 5.8: atok8 terminates "Shell widget modeShell has zero..."

109091-04 – SunOS 5.8: /usr/lib/fs/ufs/ufsrestore patch

109093-10 – SunOS 5.8: JFP message files patch
- 109094-01 – SunOS 5.8: localisation updates for different components
- 109128-01 – SunOS 5.8: Provide conversion between codepages 1256 and ISO8859-6

4301870

- 109131-08 – SunOS 5.8: JFP manpages patch

4320935 4345069 4302905 4351981 4379437 4405735 4458124 4488432

- 109133-02 – SunOS 5.8: Cut and Paste not functioning in ru_RU.KOI8-R locale

4307614 4328876

- 109134-22 – SunOS 5.8: WBEM patch

4209330 4297248 4309319 4314792 4318408 4329995 4332540 4333799 4336708 4336719
4336764 4346486 4346810 4346974 4352831 4355986 4355600 4357738 4358748 4358807
4358814 4358855 4359098 4359109 4359136 4359580 4359722 4360208 4361147 4362256 4362879
4363471 4363474 4364065 4364250 4364418 4364642 4364742 4364795 4364806 4365026 4365215
4365386 4365462 4365763 4365811 4365940 4366652 4366809 4367110 4367132 4368018 4368410
4368421 4368575 4368608 4368626 4368682 4368756 4368777 4369122 4369564 4370171 4370176
4370212 4370711 4371192 4371214 4371217 4371519 4372191 4372647 4372914 4373672 4374771
4376028 4376259 4377284 4377870 4377923 4377935 4377996 4378011 4378016 4378181 4378271 4378310 4378375 4378523 4378622 4378628
4378636 4378646 4378763 4378782 4378798 4378801 4379010 4379015 4379045 4379135
4379174 4379554 4379726 4379737 4379936 4380100 4380186 4380380 4380397 4380478 4380481
4380490 4380596 4380862 4380945 4381254 4381266 4381310 4381411 4381431 4382365 4382371
4382812 4383045 4383774 4383837 4385381 4385396 4385564 4385603 4385798 4387049 4387367
4387991 4388779 4389220 4390236 4391275 4391281 4391370 4391522 4392230 4395633 4396481
4396893 4396895 4396991 4397235 4398656 4400195 4403686 4403893 4404302 4406776 4407241
4407677 4416423 4417302 4417303 4417342 4433365 4455385 4459842 4460462 4461567 4464091 4480589

- 109142-06 – CDE 1.4: dtterm libDtTerm patch

4308751 4340259 4355107 4308971 4093503 4387002

- 109145-01 – SunOS 5.8: /usr/sbin/in.routed patch

4319852

- 109147-11 – SunOS 5.8: linker patch

4040628 4077245 4103449 4187211 4204447 4210412 4219652 4235315 4239213 4243097 4248250
4250594 4255943 4287274 4297563 4300018 4303609 4306415 4309212 4310324 4310901 4311226
4322449 4331765 4336531 4338162 4321634 4322528 4322581 4324134 4324324 4324775 4327653
4329785 4334617 4335801 4336102 4336980 4338812 4340878 4341496 4343417 4343801 4344528
4346001 4346414 4346615 4349137 4349563 4351197 4351715 4352233 4352330 4354500 4355795
4356879 4357805 4358751 4358862 4366905 4367118 4367405 4368846 4369068 4371114 4372554
4377941 4381116 4381783 4385402 4390308 4391527 4393044 4394212 4394698 4401232 4401815
4402861 4413168 4421842 4450433 4452202 4452220 4463473

- 109149-01 – SunOS 5.8: /usr/sbin/mkdevmaps patch

4316613

- 109152-01 – SunOS 5.8: /usr/lib/libc.so.1.9 and /usr/lib/libc.so.2.9 patch
- 109154-09 – SunOS 5.8: PGX32 Graphics
- 109157-19 – SunOS 5.8: WOS Message Update and more bug fix for UR4/UR5/UR6
- 109159-01 – SunOS 5.8: the mapping of zh_CN.euc%UTF-8 is consistent
- 109165-10 – CDE 1.4: dtfile patch
- 109166-12 – CDE 1.4: Window Manager Enhancements Patch
- 109176-04 – CDE 1.4: Japanese patch to sync base CDE update
- 109197-04 – SunOS 5.8: localisation updates for SmartCard and Removable Media
- 109181-04 – SunOS 5.8: /kernel/fs/cacheFS patch
- 109189-03 – SunOS 5.8: ifp driver patch
- 109200-02 – SunOS 5.8: l10n updates: Removable Media, Window Mgr & Pam Proj
- 109202-01 – SunOS 5.8: /kernel/misc/gld and /kernel/misc/sparcv9/gld patch
- 109223-01 – SunOS 5.8: libgss.so.1 and libkadm5clnt.so.1 patch
- 109234-06 – SunOS 5.8: Apache and NCA patch
- 109238-01 – SunOS 5.8: /usr/bin/sparcv7/ipcs and /usr/bin/sparcv9/ipcs patch
- 109244-02 – SunOS 5.8: SPECIAL PATCH
- 109247-01 – SunOS 5.8: Bad translation causes core dump in German install
- 109249-01 – SunOS 5.8: Help not localised for the dhcpmgr
- 109255-01 – SunOS 5.8: Unlocalised buttons on user-interface of dhcpmgr
- 109264-01 – SunOS 5.8: Graphics missing from Help in Smart Card
- 109277-01 – SunOS 5.8: /usr/bin/iostat patch
- 109279-18 – SunOS 5.8: /kernel/drv/ip patch
- 109318-21 – SunOS 5.8: suninstall patch
- 109320-04 – SunOS 5.8: LP jumbo patch
- 109322-08 – SunOS 5.8: libnsl patch
   4283726 4302592 4305859 4320661 4327396 4336332 4354007 4356567 4357266 4374142
- 109324-02 – SunOS 5.8: sh/jsh/rsh/pfsh patch
   4300733 4313399
- 109326-06 – SunOS 5.8: libresolv.so.2 and in.named patch
   4136555 4253123 4284409 4300887 4324375 4349983 4365909 4409676 4444745 4451645
- 109328-02 – SunOS 5.8: /usr/lib/netsvc/yp/ypserv and usr/lib/netsvc/yp/ypxfr patch
   4203989 4373365
- 109354-11 – CDE 1.4: dtsession patch
   4239375 4344648 4316439 4335987 4293551 4389935 4392829 4353429 4386226 4448598 4463360
- 109374-02 – SunOS 5.8: audioens driver patch
   4289079 4309598 4348820 4329870
- 109384-01 – SunOS 5.8: libaio patch
   4253437
- 109411-02 – SunOS 5.8: dtmail prints garbage strings
   4326649 4350277
- 109441-04 – SunOS 5.8: sdtudctool patch
   4312994 4342214 4393648 4407566
- 109452-01 – SunOS 5.8: Window List, buttons unlocalised in Options dialog
   4329351
- 109454-01 – SunOS 5.8: /kernel/fs/fifofs and /kernel/fs/sparcv9/fifofs patch
   4302216
- 109458-02 – SunOS 5.8: /kernel/strmod/ldterm patch
   4152717 4250344
- 109460-06 – SunOS 5.8: socal and sf drivers patch
   4137818 4259911 4285968 4296275 4300684 4301468 4303182 4304245 4307129 4307585 4322210
   4327372 4327766 4328635 4330062 4381613 4384012 4420576
- 109470-02 – CDE 1.4: Actions Patch
   4326649 4353583
- 109472-07 – SunOS 5.8: /kernel/drv/tcp patch
   4278842 4291034 4299644 4308728 4310189 4311938 4313189 4319441 4319681 4319717 4324051
   4330074 4332542 4360818 4365374 4370123 4375920 4376886 4400356
- 109524-08 – SunOS 5.8: /kernel/drv/ssd patch
  4271068 4271069 4295457 4303604 4318239 4329996 4337798 4343075 4343747 4349893 4352908 4353025 4353074 4354337 4356701 4367306 4367910 4375899 4384992 4397494 4405706

- 109529-06 – SunOS 5.8: luxadm, liba5k and libg_fc patch
  4174203 4239619 4255709 4261528 4267328 4278281 4299846 4300876 4306461 4306571 4308889 4309126 4319786 4322825 4325179 4328845 4331309 4332727 4342013 4346160 4351705 4353263 4354574 4358935 4359401 4364789 4375525 4375872 4384199 4430689

- 109552-01 – SunOS 5.8: FIGSS-UTF.8, Removable media manager unlocalised
  4327983

- 109564-01 – SunOS 5.8: Removable Media Mgr, Missing floppy error unlocalised
  4329409

- 109568-03 – SunOS 5.8: sys-suspend need to support low power mode
  4278930 4355638 4358149 4361324

- 109573-01 – SunOS 5.8: dhcppmgr help graphics not displayed correctly
  4330902

- 109576-01 – SunOS 5.8: mountall and fsckall patch
  4260430

- 109582-02 – CDE 1.4: sdtaudio patch
  4305400 4332159 4433951 4429797 44445064 4445084 4430200 4437137 4335622 4205093 4334951 4172865 4346390 4373526 4360130 4391013 4389811 4412645 4412646 4417317 4412604 4413156 4419366 4428810 4463491 4462800 4462462 4462191

- 109607-01 – SunOS 5.8: /usr/include/iso/stdlib_iso.h patch
  4300780

- 109609-01 – SunOS 5.8: UTF-8 Korean attached text becomes garbled
  4309015

- 109613-03 – CDE 1.4: dtmail patch
  4336922 4133950 4362276 4372376 4398137

- 109618-01 – SunOS 5.8: en_US.UTF-8 locale patch
  4311444 4336840

- 109622-01 – SunOS 5.8: env LANG=zh_TW dtterm doesn’t work in partial zh_TW.UTF-8
  4330770

- 109639-02 – SunOS 5.8: th locale has errors in / lacks some LC_CTYPE definitions
  4314263 4353504 4306111

- 109642-01 – SunOS 5.8: /usr/include/sys/dkio.h patch
  4318239 4329996 4337798 4343075 4343747 4349893 4352908 4353025 4353074 4354337 4356701 4367306 4367910 4375899 4384992 4397494 4405706

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- 109657-05 – SunOS 5.8: isp driver patch

4225880 4296113 4298594 4299727 4305984 4323441 4330876 4342019 4342469 4347100 4362676
4363019 4363024 4384300 4404617 4410464 4416394

- 109667-03 – SunOS 5.8: /usr/lib/inet/xntpd and /usr/sbin/ntpd patch

4279094 4320855 4330427

- 109679-01 – SunOS 5.8: /usr/share/lib/smartcard/ibutton.jar patch

4330248

- 109692-03 – SunOS 5.8: Information: File contents are out of date

4339515 4345433 4350242

- 109695-03 – SunOS 5.8: /etc/smartcard/opencard.properties patch

4324685 4343216

- 109704-02 – SunOS 5.8: Japanese iconv patch

4350293 4344163 4344139 4340250 4340245 4227824

- 109718-01 – SunOS 5.8: SPECIAL PATCH

- 109727-01 – SunOS 5.8: /usr/sadm/admin/printmgr/classes/pmclient.jar patch

4326665

- 109729-01 – SunOS 5.8: /usr/bin/cat patch

4163406

- 109740-04 – SunOS 5.8: /kernel/drv/udp patch

4278842 4291034 4299644 4302749 4303422 4306362 4308728 4310956 4311938 4313189 4317221
4320818 4324051 4335568 4360818 4370123 4375920 4376886

- 109742-04 – SunOS 5.8: /kernel/drv/icmp patch

4278842 4291034 4299644 4303422 4306362 4308728 4311938 4313189 4324051 4360818 4370123
4375920 4376886 4390212

- 109748-03 – CDE 1.4: sataudiocontrol patch

4324012 4324019 4295904 4262417 4294925 4259352 4303389 4410061 4412648 4422632 4426089
4426400 4430118

- 109750-03 – SunOS 5.8: translation update and sync with base team’s PDA images

4339505

- 109752-01 – SunOS 5.8: UI of admintool is lost in partial installation

4347036

- 109754-03 – SunOS 5.8: i2c driver patch

4327656 4336169 4348220 4359774
- **109755-01** – OpenWindows 3.6.1: Japanese update for power mgt util for s28u2
- **109764-03** – SunOS 5.8: /kernel/fs/hsfs and /kernel/fs/sparcv9/hsfs patch
- **109766-02** – SunOS 5.8: SUNWjxmft and SUNWjxcft patch for 8/10 dot font.
- **109783-01** – SunOS 5.8: /usr/lib/nfs/nfsd patch
- **109785-01** – SunOS 5.8: /etc/inittab patch
- **109793-08** – SunOS 5.8: su driver patch
- **109803-01** – SunOS 5.8: /usr/bin/du and /usr/xpg4/bin/du patch
- **109805-04** – SunOS 5.8: /usr/lib/security/pam_krb5.so.1 patch
- **109807-01** – SunOS 5.8: /usr/sbin/dumpadm patch
- **109809-01** – SunOS 5.8: timezone data patch for Australasia
- **109813-01** – SunOS 5.8: /usr/include/memory.h patch
- **109815-09** – SunOS 5.8: se, acebus, pcf8574, pcf8591 and scsb patch
- **109862-01** – X11 6.4.1 Font Server patch
- **109868-05** – SunOS 5.8: WOS Help File Update
- **109872-01** – SunOS 5.8: vis driver patch
- 109873-10 – SunOS 5.8: prtdiag and platform libprtdiag_psr.so.1 patch
  4285559 4286659 4319714 4326852 4332032 4336443 4337039 4339157 4339689 4339732
  4341185 4342594 4352438 4357014 4361157 4362289 4363440 4363858 4363997 4366980
  4366986 4367573 4370121 4370746 4372567 4373616 4380560 4384142 4384394 4386281
  4386308 4387908 4401725 4404968 4451210 4454212 4474033

- 109876-02 – SunOS 5.8: fd driver patch
  4271682 4333588 4362014 4382509

- 109877-01 – SunOS 5.8: /usr/include/sys/dma_i8237A.h patch
  4333588

- 109879-02 – SunOS 5.8: isadma driver patch
  4334446 4346495 4358337

- 109881-02 – SunOS 5.8: 1394 adb macros patch
  4329522 4330882 4331744 4351774

- 109882-04 – SunOS 5.8: eri header files patch
  4231424 4327054 4345671 4363777 4364842 4367935 4378440 4386437 4389260 4412127

- 109883-02 – SunOS 5.8: /usr/include/sys/ecppsys.h patch
  1167460 4241460 4250652 4257428 4270674 4271686 4275074 4275092 4275119 4275200
  4275205 4276209 4295173 4297052 4299441 4299456 4299460 4299467 4299470 4299621
  4299631 4301029 4301079 4301556 4309750 4310788 4314412 4314419 4329805 4349418
  4364900

- 109885-05 – SunOS 5.8: glm patch
  4258589 4324244 4324250 4329411 4324250 4329411 4331145 4334348 4334505 4337546
  4338033 4340982 4341851 4342624 4345567 4347753 4400052 4405933 4416758

- 109887-08 – SunOS 5.8: smartcard patch
  4252211 4259952 4260074 4275177 4280077 4290329 4293165 4293939 4298260 4305335
  4306126 4315034 4322446 4330625 4332392 4341789 4341792 4343702 4343711 4346640
  4352242 4352260 4352312 4352345 4353105 4355630 4361637 4389861 4390593 4396204
  4401809 4418518 4420910 4423025 4423038 4423932 4426674 4434303 4455519 4451847

- 109888-12 – SunOS 5.8: platform drivers patch
  4184705 42882158 42882162 42882122 4288789 4298792 4298974 4300179 4302637
  4309879 4310136 4311755 4312461 4317174 4317841 4319122 4320338 4322734 4325336
  4326197 4328374 4329677 4333868 4333891 4333978 4334198 4334465 4334790 4335760
  4337039 4337522 4345163 4346495 4349747 4352438 4354995 4367126 4368109 4372629
  4375285 4376094 4386595 4389036 4393883 4405240 4417600 4422322 4431402 4433029
  4451120 4454748 4455475 4460897 4469049

- 109889-01 – SunOS 5.8: usr platform links and libc_psr patch
  4231424 4275177 4321184 4327624 4328624 4334502 4346495

- 109890-01 – SunOS 5.8: pmserver.jar patch
  4308951

- 109892-03 – SunOS 5.8: ecpp patch
109893-02 – SunOS 5.8: stc driver patch

109894-01 – SunOS 5.8: bpp patch

109896-07 – SunOS 5.8: USB Audio patch

109898-03 – SunOS 5.8: /kernel/drv/arp patch

109900-02 – SunOS 5.8: /etc/init.d/network and /sbin/ifparse patch

109902-03 – SunOS 5.8: /usr/lib/inet/ndpd patch

109904-05 – SunOS 5.8: dhcpagent, dhcpinfo, ifconfig and netstat patch

109906-06 – SunOS 5.8: dhcpcd, dhcpcinfo, ifconfig and netstat patch

- 109920-06 – SunOS 5.8: pcic driver patch

- 109922-02 – SunOS 5.8: pcelx, pcser and cs driver patch

- 109924-03 – SunOS 5.8: pcata driver patch

- 109926-02 – SunOS 5.8: /kernel/drv/pem and /kernel/drv/sparcv9/pem patch

- 109928-04 – SunOS 5.8: pcmem and pcmcia patch

- 109931-02 – CDE 1.4: sdtimage Patch

- 109933-01 – SunOS 5.8: mv, cp, ln patch

- 109935-02 – SunOS 5.8: libprtdiag_psr.so.1 for SUNW,UltraSPARC-IIIi-Netract patch

- 109936-01 – SunOS 5.8: /usr/bin/diff patch

- 109951-01 – SunOS 5.8: jserver buffer overflow

- 109954-01 – SunOS 5.8: /kernel/sys/pset and /kernel/sys/sparcv9/pset patch

- 109960-01 – CDE 1.4: sdtperfmeter patch

- 109990-01 – SunOS 5.8: /usr/ccs/bin/dis patch

- 109994-01 – SunOS 5.8: /usr/bin/sparcv7/adb and /usr/bin/sparcv9/adb patch

- 110019-05 – SunOS 5.8: JFP install/sysadm messages patch
- 110044-01 – SunOS 5.8: iswalpha() can’t work well in zh.GBK locale
- 110065-01 – SunOS 5.8: New features added to install
- 110068-02 – CDE 1.4: PDASync patch
- 110075-01 – SunOS 5.8: /kernel/drv/devinfo and /kernel/drv/sparcv9/devinfo patch
- 110088-02 – CDE 1.4: DtPower patch
- 110127-03 – SunOS 5.8: Generic Framebuffer configuration Graphics Patch
- 110150-02 – SunOS 5.8: rasctrl driver patch
- 110165-02 – SunOS 5.8: /usr/bin/sed patch
- 110206-01 – SunOS 5.8: sdtwinlst and sdtgwm utf8 unlocalised
- 110221-04 – SunOS 5.8: Dcam1394 patch
- 110269-01 – SunOS 5.8: /usr/lib/libnisdb.so.2 patch
- 110274-03 – SunOS 5.8: Figgs Custom install new features and install help
- 110283-04 – SunOS 5.8: mkfs and newfs patch
- 110285-01 – SunOS 5.8: consconfig_dacf patch
- 110286-03 – OpenWindows 3.6.2: Tooltalk patch
- 110320-01 – SunOS 5.8: /kernel/misc/sparcv9/s1394 patch
- 110322-01 – SunOS 5.8: /usr/lib/netsvc/yp/ypbind patch

- 110326-02 – CDE 1.4: dtstyle patch

- 110335-02 – CDE 1.4: dtprintinfo patch

- 110364-02 – SunOS 5.8: Add L10N sdttypesbinder files

- 110368-02 – SunOS 5.8: pcf8574 driver patch for SUNW,Sun-Fire-280R

- 110369-04 – SunOS 5.8: sgcn patch

- 110370-03 – SunOS 5.8: SUNW,Sun-Fire usr platform links patch

- 110371-02 – SunOS 5.8: serengeti support, Update3, sgfru patch

- 110373-03 – SunOS 5.8: /platform/SUNW,Sun-Fire/kernel/drv/sparcv9/sgsbbc patch

- 110374-08 – SunOS 5.8: /platform/SUNW,Sun-Fire/kernel/drv/sparcv9/sgenv patch

- 110375-03 – SunOS 5.8: /platform/SUNW,Sun-Fire/kernel/drv/sparcv9/ssm patch

- 110376-01 – SunOS 5.8: littleneck support, usr_platform patch, S8 Update 3

- 110378-05 – SunOS 5.8: mipagent patch Mobile IP
- 110379-01 – SunOS 5.8: littleneck support, gpio patch
  4336443  4339732  4341185
- 110380-03 – SunOS 5.8: ufssnapshots support, libadm patch
  4025718  4296770  4451305
- 110381-01 – SunOS 5.8: ufssnapshots support, clri patch
  4296770
- 110382-01 – SunOS 5.8: file systems should support snapshots for online bkups
  4296770
- 110383-02 – SunOS 5.8: libnvpair patch
  4233832  4326110  4336779  4357245  4458516
- 110385-03 – SunOS 5.8: RCM modules patch
  4233832  4326110  4336779  4357245  4375059  4375416  4386544
- 110386-01 – SunOS 5.8: RBAC Feature Patch
  4311781  4313955
- 110387-03 – SunOS 5.8: ufssnapshots support, ufsdump patch
  4132365  4296770  4339366  4358666
- 110388-01 – SunOS 5.8: Hierarchical and default profiles implementation
  4311781  4313955
- 110389-04 – SunOS 5.8: cvc CPU signature
  4333639  4337039  4362110  4386544
- 110390-02 – SunOS 5.8: ldapclient patch
  4310379  4415143
- 110407-02 – CDE 1.4: Sdttypes patch
  4313855  4329990  4357804  4365790  4374350
- 110416-03 – SunOS 5.8: ATOK12 patch
  4361738  4372858  4384092  4443974
- 110423-03 – SunOS 5.8: SPECIAL PATCH
  4349869  4426597  4450211
- 110428-01 – SunOS 5.8: New Turkish UTF-8 locale
  4368177
- 110453-01 – SunOS 5.8: admintool patch
  4354306
- 110457-03 – SunOS 5.8: scmi2c driver patch
- 110458-02 – SunOS 5.8: libcurses patch

- 110460-12 – SunOS 5.8: fruid/PICL plug-ins patch

- 110461-01 – SunOS 5.8: ttcompat patch

- 110503-01 – SunOS 5.8: Polish locale monetary incorrect

- 110511-01 – SunOS 5.8: rpc.nisd patch

- 110603-01 – CDE 1.4: sdtname patch

- 110605-02 – Motif 2.1.1: uil patch for Solaris 8

- 110609-02 – SunOS 5.8: cdio.h and command.h USB header patch

- 110611-01 – SunOS 5.8: lp.cat and postio ECP patch

- 110614-02 – SunOS 5.8: ses driver patch

- 110615-01 – SunOS 5.8: sendmail patch

- 110662-04 – SunOS 5.8: ksh patch

- 110668-01 – SunOS 5.8: /usr/sbin/in.telnetd patch

- 110670-01 – SunOS 5.8:/usr/sbin/static/rcp patch

- 110716-02 – SunOS 5.8: Solaris Product Registry 3.0 patch
- 110723-03 – SunOS 5.8: /kernel/drv/sparcv9/eri patch
- 110724-01 – SunOS 5.8: liblayout patch
- 110745-01 – SunOS 5.8: toolbox syntax correction
- 110750-01 – SunOS 5.8: TCX Graphics Patch
- 110752-01 – SunOS 5.8: Uninstaller doesn’t come up with error messages
- 110754-03 – SunOS 5.8: UR3 new features WBEM updates
- 110756-02 – SunOS 5.8: UR3 new features DCL updates
- 110758-03 – SunOS 5.8: UR3 new features SMC updates
- 110764-03 – SunOS 5.8: UR3 new features MGP updates
- 110766-03 – SunOS 5.8: s28_u4 SUNW0mp update
- 110794-02 – SunOS 5.8: dr_daemon patch
- 110797-02 – SunOS 5.8: UR4 New int
- 110811-01 – SunOS 5.8: libnls patch
- 110813-01 – SunOS 5.8: libxfn patch
- 110815-01 – SunOS 5.8: libmp patch
- 110817-01 – SunOS 5.8: apptrace and interceptors patch
- 110819-03 – SunOS 5.8: /platform/sun4u/kernel/drv/sparcv9/us patch
- 110820-05 – SunOS 5.8: /platform/SUNW,Sun-Fire-15000/kernel/drv/sparcv9/dman patch
  4352615 4356741 4356803 4363907 4378444 4381083 4384426 4387731 4388848 4399242 4405711 4406097 4406900 4406902 4408062 4408453 4410007 4413586 4413590 4413592 4413593 4415373 4416329 4418247 4420118 4421452 4431203 4431805 4432988 4452555 4461168 4465826
- 110821-02 – SunOS 5.8: iosram driver patch
  4363907 4414084
- 110822-01 – SunOS 5.8: mboxsc driver patch
  4363907
- 110823-03 – SunOS 5.8: fcode patch
  4363907 4405109 4411034
- 110824-02 – SunOS 5.8: fcpci driver patch
  4363907 4405109
- 110825-02 – SunOS 5.8: fcodem driver patch
  4363907 4405109
- 110826-04 – SunOS 5.8: /platform/SUNW,Sun-Fire-15000/kernel/drv/sparcv9/schpc patch
  4363907 4389226 4389669 4393561 4393772 4398474 4412060 4415707 4438104 4445639
- 110827-02 – SunOS 5.8: scosmb driver patch
  4363907 4423572
- 110828-01 – SunOS 5.8: sbbc driver patch
  4363907
- 110829-02 – SunOS 5.8: /platform/sun4u/kernel/tod/sparcv9/todstarcat patch
  4363907 4406849
- 110830-02 – SunOS 5.8: /platform/SUNW,Sun-Fire-15000/lib/cvcd patch
  4363907 4429680
- 110831-02 – SunOS 5.8: /platform/SUNW,Sun-Fire-15000/kernel/drv/sparcv9/cvc patch
  4363907 4370761 4396065
- 110832-01 – SunOS 5.8: cvcredir patch
  4363907
- 110833-01 – SunOS 5.8: usr platform links
  4363907
- 110834-03 – SunOS 5.8: SUNW,Sun-Fire-15000 libprtdiag...psr.so.1 patch
  4363907
110835-03 – SunOS 5.8: platform/sun4u/kernel/misc/sparcv9/gpttwo_cpu patch

110836-03 – SunOS 5.8: /platform/sun4u/kernel/misc/sparcv9/gptwoCfg patch

110837-03 – SunOS 5.8: efcode patch

110838-03 – SunOS 5.8: /platform/SUNW,Sun-Fire-15000/kernel/drv/sparcv9/axq patch

110839-02 – SunOS 5.8: /usr/lib/rcm/modules/SUNW_ip_rcm.so patch

110840-02 – SunOS 5.8: bbc patch

110841-01 – SunOS 5.8: gptwo patch

110842-05 – SunOS 5.8: hpc3130 driver patch for SUNW,Sun-Fire-880

110844-02 – SunOS 5.8: /platform/sun4u/kernel/drv/sparcv9/lm75 patch

110845-03 – SunOS 5.8: /platform/sun4u/kernel/drv/sparcv9/ltc1427 patch

110846-02 – SunOS 5.8: /platform/sun4u/kernel/drv/sparcv9/pcf8574 patch

110847-02 – SunOS 5.8: /platform/sun4u/kernel/drv/sparcv9/pcf8591 patch

110848-02 – SunOS 5.8: pciecfg patch

110849-06 – SunOS 5.8: PICL support for SUNW,Sun-Fire-880

110851-02 – SunOS 5.8: /platform/sun4u/kernel/drv/sparcv9/ssc050 patch
- 110852-02 – SunOS 5.8: /platform/sun4u/kernel/drv/sparcv9/ssc100 patch
- 110853-01 – SunOS 5.8: /platform/sun4u/kernel/drv/sparcv9/ssa00 patch
- 110854-02 – SunOS 5.8: /platform/sun4u/kernel/drv/sparcv9/smbus_ara patch
- 110856-01 – SunOS 5.8: /platform/sun4u/kernel/drv/sparcv9/smbus_ara patch
- 110856-01 – SunOS 5.8: /platform/sun4u/kernel/drv/sparcv9/ssc100 patch
- 110856-01 – SunOS 5.8: /platform/sun4u/kernel/drv/sparcv9/ssa00 patch
- 110856-01 – SunOS 5.8: /platform/sun4u/kernel/drv/sparcv9/smbus_ara patch
- 110856-01 – SunOS 5.8: /etc/inet/services patch
- 110864-01 – SunOS 5.8: Need to back port fixes for SUNW_PKGLIST for ALC packages
- 110867-01 – SunOS 5.8: Need to back port fixes for SUNW_PKGLIST for ALC packages
- 110885-01 – SunOS 5.8: JFP Solaris Product Registry 3.0 patch
- 110888-01 – SunOS 5.8: s28u4_06,figgs,New and updated message strings
- 110896-01 – SunOS 5.8: /usr/lib/fs/cachefs/mount patch
- 110898-02 – SunOS 5.8: csh/pfcs patch
- 110900-01 – SunOS 5.8: /platform/sun4u/kernel/misc/sparcv9/pcicfg.e patch
- 110901-01 – SunOS 5.8: /kernel/drv/sgen and /kernel/drv/sparcv9/sgen patch
- 110903-02 – SunOS 5.8: edit, ex, vedit, vi and view patch
- 110905-02 – SunOS 5.8: /usr/bin/find patch
- 110907-01 – SunOS 5.8: /usr/include/arpa/inet.h patch
- 110910-01 – SunOS 5.8: /usr/lib/fs/ufs/fsck patch

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- 110912-02 – SunOS 5.8: cfgadm patch
- 110914-01 – SunOS 5.8: /usr/bin/tr patch
- 110916-02 – SunOS 5.8: sort patch
- 110918-03 – SunOS 5.8: /kernel/drv/openepr patch
- 110927-01 – SunOS 5.8: Need to backport fixes in SUNW_PKGLIST in s8u4
- 110934-04 – SunOS 5.8: pkgtrans, pkgadd, pkgchk and libpkg.a patch
- 110939-01 – SunOS 5.8: /usr/lib/acct/closewtmp patch
- 110941-01 – SunOS 5.8: sar and sadc patch
- 110943-01 – SunOS 5.8: /usr/bin/tcsh patch
- 110945-02 – SunOS 5.8: /usr/sbin/syslogd patch
- 110951-01 – SunOS 5.8: /usr/sbin/tar and /usr/sbin/static/tar patch
- 110953-02 – SunOS 5.8: /usr/kernel/drv/lkc2 patch
- 110955-02 – SunOS 5.8: /kernel/strmod/timod patch
- 110957-01 – SunOS 5.8: /usr/bin/mailx patch
- 110986-02 – SunOS 5.8: SMC help fix
- 111008-05 – SunOS 5.8: Update SUNW*reg to sync with base changes for S8UR5
Patch List

111016-01 – SunOS 5.8: /usr/bin/sdiff patch

111018-01 – SunOS 5.8: /etc/driver_aliases patch for gpio

111023-01 – SunOS 5.8: /kernel/fs/mntfs and /kernel/fs/sparcv9/mntfs patch

111035-01 – SunOS 5.8: /kernel/sys/doorfs and /kernel/sys/sparcv9/doorfs patch

111041-03 – SunOS 5.8: su and su_pnp driver patch

111049-02 – SunOS 5.8: patch /platform/SUNW,Ultra-Enterprise-10000/lib/cvcd

111069-01 – SunOS 5.8: bsmunconv overwrites root cron tab if cu created /tmp/root

111071-01 – SunOS 5.8: cu patch

111073-01 – SunOS 5.8: re_comp header patch

111075-02 – X11 6.4.1: keyboards patch

111085-01 – SunOS 5.8: /bin/login misses failure when logging to /var/adm/loginlog

111088-02 – SunOS 5.8: mdb patch

111090-03 – SunOS 5.8: /usr/lib/ldap.so.1 patch

111098-01 – SunOS 5.8: ROC timezone should be avoided for political reasons

111111-01 – SunOS 5.8: nawk line length limit corrupts patch dependency checking
- 111141-01 – SunOS 5.8: last doesn’t work correctly for more than 256 users login
- 111177-06 – SunOS 5.8: /usr/lib/lwp/libthread.so.1 patch
- 111197-01 – SunOS 5.8: nfs mount of a file > 2GB is impossible
- 111225-01 – SunOS 5.8: tail reserves 2G when reading from a stdin
- 111231-04 – SunOS 5.8: Solaris user registration patch
- 111232-01 – SunOS 5.8: patch in.ferg
- 111234-01 – SunOS 5.8: patch finger
- 111265-01 – SunOS 5.8: patch who
- 111267-02 – SunOS 5.8: /kernel/fs/specfs patch
- 111269-03 – SunOS 5.8: Solaris Management Console patch
- 111275-01 – SunOS 5.8: New features Solaris 8 Update 5 European
- 111293-04 – SunOS 5.8: /usr/lib/libdevinfo.so.1 patch
- 111295-01 – SunOS 5.8: /usr/bin/sparcv7/pstack & /usr/bin/sparcv9/pstack patch
- 111297-01 – SunOS 5.8: /usr/lib/libsendfile.so.1 patch
- 111299-02 – SunOS 5.8: PPP patch
- 111302-01 – SunOS 5.8: EDHCP libraries patch
- 111304-01 – SunOS 5.8: /kernel/misc/nfs_dlboot patch
- 111306-02 – SunOS 5.8: /usr/platform/sun4{d,m,u}/lib/fs/nfs/inetboot patch
- 111308-01 – SunOS 5.8: /usr/lib/libmtmalloc.so.1 patch
- 111310-01 – SunOS 5.8: /usr/lib/libdhcpagent.so.1 patch
- 111313-01 – SunOS 5.8: Viper tools are very slow to load
- 111317-02 – SunOS 5.8: /sbin/init and /usr/sbin/init patch
- 111319-01 – SunOS 5.8: /usr/sbin/in.rdisc patch
- 111321-01 – SunOS 5.8: /kernel/misc/klmops patch
- 111323-01 – SunOS 5.8: /usr/xpg4/bin/more patch
- 111325-01 – SunOS 5.8: /usr/lib/saf/ttymon patch
- 111327-03 – SunOS 5.8: libsocket patch
- 111332-04 – SunOS 5.8: /usr/lib/dcs patch
- 111335-04 – SunOS 5.8: Sun-Fire-15000 dr, gptwo_pci & sc_gptwocfg drivers patch
- 111337-01 – SunOS 5.8: /usr/sbin/ocfserv patch
- 111359-02 – SunOS 5.8: SPECIAL PATCH
- 111360-02 – SunOS 5.8: SPECIAL PATCH
- 111368-01 – SunOS 5.8: /usr/bin/groups patch

- 111380-01 – SunOS 5.8: Solaris Registration Japanese message patch
- 111382-01 – X11 6.4.1: SPECIAL PATCH
- 111386-01 – SunOS 5.8: s28u6 Euro bug fixing

- 111393-02 – SunOS 5.8: /usr/lib/autofs/automountd patch
- 111398-01 – SunOS 5.8: parse_dynamic_clustertoc needs to use dynamic_tests
- 111400-01 – SunOS 5.8: KCMS configure tool has a security vulnerability

- 111415-03 – SunOS 5.8: SPECIAL PATCH
- 111431-01 – SunOS 5.8: /usr/lib/libldap.so.4 patch
- 111439-01 – SunOS 5.8: /kernel/fs/tmpfs patch

- 111471-02 – SunOS 5.8: Bug fixes for mp in asian locale printing bugs
- 111481-01 – OpenWindows 3.6.2: clock Patch
- 111493-04 – SunOS 5.8: SPECIAL PATCH

- 111495-02 – SunOS 5.8: SPECIAL PATCH
- 111503-01 – SunOS 5.8: libpiclenvd.so.1 patch for SUNW,Sun-Blade-100

- 111504-01 – SunOS 5.8: /usr/bin/tip patch
- 111548-01 – SunOS 5.8: catman, man, whatis, apropos and makewhatis patch
- 111562-01 – SunOS 5.8: /usr/lib/librt.so.1 patch
- 111570-01 – SunOS 5.8: uucp patch
- 111588-01 – SunOS 5.8: /kernel/drv/wc patch
- 111596-02 – SunOS 5.8: /usr/lib/netsvc/yp/rpc yp passwd patch
- 111606-01 – SunOS 5.8: /usr/sbin/in.ftpd patch
- 111624-01 – SunOS 5.8: /usr/sbin/inetd patch
- 111626-01 – OpenWindows 3.6.2: Xview Patch
- 111647-01 – SunOS 5.8: BCP libmle buffer overflow
- 111657-01 – SunOS 5.8: Neide, atata and disk_ata.conf driver patch
- 111659-02 – SunOS 5.8: passwd and pam_unix.so.1 patch
- 111661-01 – SunOS 5.8: SPECIAL PATCH
- 111760-02 – SunOS 5.8: SPECIAL PATCH
- 111775-01 – SunOS 5.8: smdiskless patch
- 111777-01 – SunOS 5.8: smos service patch
- 111789-01 – SunOS 5.8: /platform/SUNW,Ultra-Enterprise-10000/kernel/drv/dr patch
- 111790-03 – SunOS 5.8: ngdr and ngdrmach drivers patch for Ultra-Enterprise-10000
- 111791-01 – SunOS 5.8: usr platform links patch for SUNW,Sun-Fire-480R

- 111792-01 – SunOS 5.8: PICL plugins patch for SUNW,Sun-Fire-480R

- 111793-01 – SunOS 5.8: libprrtdiag_psr.so.1 patch for SUNW,Sun-Fire-480R

- 111794-01 – SunOS 5.8: /usr/lib/libcpc.so.1 patch

- 111796-02 – SunOS 5.8: Remote Shared Memory patch

- 111800-01 – SunOS 5.8: /usr/include/sys/mhd.h patch

- 111802-01 – SunOS 5.8: /usr/lib/rcm/modules/SUNW_cluster_rcm.so patch

- 111804-02 – SunOS 5.8: /usr/sbin/rem_drv patch

- 111808-01 – SunOS 5.8: /usr/lib/adb/devinfo patch

- 111822-01 – SunOS 5.8: libpiclfrudata.conf patch for SUNW,Sun-Fire-480R

- 111823-01 – SunOS 5.8: New Features

- 111831-01 – SunOS 5.8: /usr/kernel/drv/dump patch

- 111852-01 – SunOS 5.8: SX Graphics Patch

- 111881-01 – SunOS 5.8: /usr/kernel/strmod/telmod patch

- 111883-02 – SunOS 5.8: Sun Gigabit Ethernet 1.0

- 111989-01 – SunOS 5.8: /usr/bin/egrep patch
- 112084-01 – SunOS 5.8: regression: s-thanja displays garbages using libXm.so.4