



# Solaris 8 (SPARC Platform Edition) 7/01 Release Notes

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# Preface

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The *Solaris™ 8 (SPARC™ Platform Edition) 7/01 Release Notes Update* contains installation problem details and other information that were not available until immediately before the release of the Solaris 8 7/01 operating environment.

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**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.

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## Who Should Use This Book

These notes are for users and system administrators who are installing and using the Solaris 8 7/01 operating environment.

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## Related Books

You may 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 7/01 release notes are available:

- In the Solaris 8 7/01 Release Documents Collection on the Solaris 8 7/01 Documentation CD
  - In print with the product (installation issues and bugs only)
  - On <http://docs.sun.com> (the most up-to-date information)
- *Solaris 8 System Administration Supplement*

Solaris documentation is available on the Solaris 8 7/01 Documentation CD included with this product.

For some hardware configurations, you may 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.

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## Installation Issues

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The following installation bug descriptions have been added to this chapter since this document was published on the Solaris 8 7/01 Documentation CD and in the Installation Kiosk on the Solaris 8 7/01 Installation CD.

- Bug ID 4474697

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**Note** - The name of this product is Solaris 8 7/01, but code and path or package path names may use Solaris 2.8 or SunOS™ 5.8. Always follow the code or path as it is written.

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## Solaris Web Start 3.0 Bugs You Need to Know About Before Using the Solaris 8 Installation CD

### System Identification Does Not Detect Default Route on Manually Configured Network (4474697)

If you use the Solaris 8 7/01 Installation CD to install the Solaris operating environment on a system with no bootparams or no way of detecting previous network information, the installation program cannot detect a default route. If you select Find One and Confirm when the installation program asks you for a default route, the following error message displays.

The route could not be detected at this time. If you wish to accept the settings provided, press 'Accept' and autodetection will be set for reboot,

```
otherwise press 'Cancel' and provide another address.
```

**Workaround:** If you receive the previous error message, follow these steps.

1. Select Accept when your system displays the previous error message.
2. After the system identification process has completed, open a terminal window and type the following command.

```
# /usr/sbin/in.rdisc -s
```

## Installation Stops on Some 64 MB Systems (4423477)

If you perform a Solaris Web Start installation on a 64 MB system using the Solaris 8 English Installation CD, the Solaris 8 Software 1 of 2 CD successfully installs. However, the installation of the Solaris 8 Software 2 of 2 CD might stop. The problem does not occur if you install using the Solaris 8 Multilingual Installation CD. The following message is displayed in /tmp/disk0\_install.log.

```
java.io.IOException: Not enough space
```

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

- To prevent the problem, install using the Solaris Web Start command line interface (CLI). To use the CLI, insert the Solaris 8 English Installation CD into the CD-ROM drive and type the following.

```
ok boot cdrom - w
```

- If you perform a Solaris Web Start installation with the Solaris 8 English Installation CD and the Solaris 8 Software 2 of 2 CD stops prior to completion, follow these steps.
  1. Reboot the system and login.
  2. Run the `installer` script located in the root-level directory of the Solaris 8 Software 2 of 2 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 7/01 Installation CD to install the Solaris 8 7/01 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 `sysidcfg` file that specifies the network interface to use during system identification. See “Guidelines for Preconfiguring With the `sysidcfg` File” in *Solaris 8 Advanced Installation Guide* and the man page `sysidcfg(4)` for information on how to create and modify a `sysidcfg` file.
- Use the Solaris 8 7/01 Software 1 of 2 CD to launch an Interactive Installation of the Solaris 8 7/01 operating environment. Specify that the system is networked, and then select the alternate network interface to use for system identification from the list provided.

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## Issues You Need to Know About Before Installing Solaris 8 Software

### Previous Versions of Solaris Management Console Software Are Not Compatible with Solaris Management Console 2.0 Software

If you upgrade to the Solaris 8 7/01 , 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 may 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. It is critical that you use `pkgrm` for package removal instead of `prodreg` and that the order of package removal is carefully followed. 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 will 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.

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**Note** - If the `pkginfo` output displays multiple versions of Solaris Management Console 1.0 software packages, use `pkgrm` to remove both packages, beginning with the original package 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, it is recommended to remove the Solaris Management Console 2.0 software and re-install 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 will identify the remaining Solaris Management Console software packages installed on your system.

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

---

**Note** - If there are 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 SUNWdcInt
# pkgrm SUNWmga
# pkgrm SUNWmgapp
# pkgrm SUNWmcdev
# pkgrm SUNWmcex
# 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_701_sparc/s0/Solaris_8/Product
# pkgadd -d . SUNWmccom SUNWmcc SUNWmc SUNWwbmc SUNWmcex SUNWmcdev \
  SUNWmgapp SUNWmga SUNWdcInt
```

All previous versions of the Solaris Management Console software are now removed and the Solaris Management Console 2.0 software will be 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 installed depended on the software cluster 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 may 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 may 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 being created does not map exactly to the space on the disk 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 installing 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` command and follow the instructions on the screen to install the remaining software.
  5. Insert the Solaris 8 Languages CD.
  6. Execute the `installer` command 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 7/01 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 environments to the Solaris 8 operating environment, the following error might appear 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 installed with the AdminSuite 2.3 Diskless Client tool, you must first delete all existing diskless clients prior to installing the Solaris 8 7/01 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 7/01 operating environment over existing diskless clients, the following error message appears.

```
The Solaris Version (Solaris 7) on slice <xxxxxxx> cannot be upgraded.  
There is an unknown problem with the software configuration installed  
on this disk.
```

## Upgrading the JavaSpaces Datastore to Prevent 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 7/01 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 used with Solaris WBEM Services 2.4. Failure to convert the data will result 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 7/01 operating environment, follow these steps to save the JavaSpaces software.

1. **Become superuser.**
2. **Save the JavaSpaces software.**

```
cp /usr/sadm/lib/wbem/outrigger.jar /usr/sadm/lib/wbem/outrigger.jar.tmp
```

3. **Check and record the version of the JDK™ software installed on your machine.**  
**For example:**

```
# /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 7/01 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 running 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 may fail because the reallocation mechanism does not account for the extra space 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 a number of messages indicating that 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 Web-Based Enterprise Management (WBEM) 1.0 to the Solaris 8 Operating Environment Causes WBEM 2.0 Not to Work (4274920)

If you installed WBEM 1.0 from the Solaris Easy Access Server (SEAS) 3.0 CD on a system running 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 upgrading 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:

```
% pkginfo | grep WBEM
```

2. Become superuser.
3. Use the `pkgrm` command to remove all WBEM 1.0 packages by typing:

```
# pkgrm SUNWwbapi
# pkgrm SUNWwbcor
# pkgrm SUNWwbdev
# pkgrm SUNWwbdoc
# pkgrm SUNWwbnm
```

## SUNWeeudt Partially Fails to Install During an Upgrade (4304305)

The upgrade log may 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. Remove the SUNWeeudt package by typing:

```
# pkgrm SUNWeeudt
```

2. Add the SUNWeeudt package by typing:

```
# 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 7/01 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 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 may need to update its flash PROM firmware. The Solaris 8 installation programs have a choice 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 needed. *System type* is the equivalent of the output of

the `uname -i` command. You can tell what 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

| System Type From <code>uname -i</code> | Minimum Firmware Version From <code>prtconf -v</code> |
|----------------------------------------|-------------------------------------------------------|
| SUNW,Ultra-1-Engine                    | 3.10.0                                                |
| SUNW,Ultra-1                           | 3.11.1                                                |
| SUNW,Ultra-2                           | 3.11.2                                                |
| SUNW,Ultra-4                           | 3.7.107                                               |
| SUNW,Ultra-Enterprise                  | 3.2.16                                                |

**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 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

### 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 environments to the Solaris 8 7/01 operating environment, the following errors may appear in the upgrade logs.

```
Doing pkgadd of SUNWplow to /.
pkgadd: ERROR: unable to create package object
</a/usr/openwin/share/locale/de.IS08859-15>.
    file type <s> expected <d> actual
    unable to remove existing directory at
    </a/usr/openwin/share/locale/de.IS08859-15>
    ....
Installation of <SUNWplow> partially failed.
pkgadd return code = 2

Doing pkgadd of SUNWpldte to /.
WARNING: /a/usr/dt/appconfig/types/de.IS08859-15
may not overwrite a populated directory.
    .....
pkgadd: ERROR: /a/usr/dt/appconfig/types/de.IS08859-15
could not be installed.
    .....
Installation of <SUNWpldte> partially failed.
pkgadd return code = 2
```

This warning occurs because the patch switches the affected directories listed 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 specified causes parts of the installation process to be displayed in English. In addition, not all localization packages are installed. The following message is displayed.

```
XView warning: "de" kann nicht als Sprachumgebungs-Kategorie
Ausgabesprache (gesetzt über Umgebungsvariable(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 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 7/01 Documentation CD and in the Installation Kiosk on the Solaris 8 7/01 Installation CD.

- Bug ID 4456994
- Bug ID 4463360
- Bug ID 4470877

---

**Note** - The name of this product is Solaris 8 7/01, but code and path or package path names may use Solaris 2.8 or SunOS 5.8. Always follow the code or path as it is written.

---

---

## Security Bugs

### NIS Domain Master Server Potential Security Issue (4456994)

If you are running the Solaris 2.6, Solaris 7, or Solaris 8 operating environments a local or remote attacker might gain root access to the NIS domain master server. There may be no symptoms that the server has been exploited to gain unauthorized access.

**Workaround:** Apply one of the following patches to fix the potential security issue.

- If you are running the Solaris 2.6 operating environment, apply patch 106303-03.

- If you are running the Solaris 7 operating environment, apply patch 111590-02.
- If you are running the Solaris 8 operating environment, apply patch 111596-02.

---

## Smart Card Bugs

### Screen Does Not Lock When Smart Card Is Removed (4463360)

If a user initiates a log out and removes their smart card, but then clicks the Cancel button in the log out confirmation dialog, the screen will not lock when the smart card is removed.

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

- Turn off the Logout Confirmation Dialog in the Startup Style Manager.
- If the screen does not lock when the smart card is removed the user should log out and log in. The session will be restored and the screen will lock when the smart card is removed.

### Smart Card User Cannot Login (4449515)

If you change the smart card authentication defaults 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 login.

**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. `rlogin` to the machine on which the `ocfserv` process terminated.
2. Kill the `dtsession` process by typing the following in a terminal window.

```
% kill dtsession
```

`ocfserv` will restart 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 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 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 compiling a Motif program in the Solaris 8 operating environment 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 and 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 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 you have an older shared library that links directly to the Motif library, and if you want to compile a program in the Solaris 8 operating environment that links to both Motif and that older shared library, use a line like this to compile:

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

where *program* is the name of the program you are compiling.

---

## Common Desktop Environment Bugs

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

If you insert a diskette into its drive on a system with SCSI removable media devices and then select Check for Floppy from the File menu in OpenWindows™ File Manager, File Manager mounts the diskette in the /floppy directory, but fails to display a File Manager view listing the disk contents. The Format Floppy and Eject Floppy options do not appear in the File menu of File Manager.

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

- To view the contents of a diskette, 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 diskette, follow these steps:
  1. Unmount the diskette.

```
% volrmount -e floppy0
```

where *floppy0* is the floppy disk's folder in the /floppy directory.

2. Format the diskette.

```
% fdformat floppy0
```

- To create a new file system on a diskette, follow these steps:

---

**Note** - If you have already unmounted the diskette, go to step 2 of this workaround.

---

1. Unmount the diskette.

```
% volrmmount -e floppy0
```

where *floppy0* is the diskette's folder in the */floppy* directory.

2. Create the appropriate file system on the diskette.

- To create a new UFS file system on the diskette, use the `newfs` command:

```
% newfs /vol/dev/aliases/floppy0
```

- To create a PCFS file system on the diskette, use the `mkfs` command:

```
% mkfs -F pcfs /vol/dev/aliases/floppy0
```

3. Mount the diskette.

```
% volrmmount -i floppy0
```

- To eject the diskette, use the `eject` command.

```
% eject floppy0
```

To prevent this problem, apply patch 109463-01.

## PDASync Cannot Delete Last Entry From the Desktop (4260435)

After deleting the last item from the desktop (for example, the last appointment in your Calendar or the last address in the Address Manager), it is restored from the handheld device to the desktop when you synchronize your handheld device.

**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 may 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

### Error When Removing SUNWppdx 64-bit Package (4470877)

If the 64-bit SUNWppdx package is installed and you switch to 32-bit mode, pkgrm will fail when you attempt to remove SUNWppdx. The following message is displayed.

```
WARNING:The <SUNWppdx> package"Solaris PPP 4.0 daemon and utilities"
depends on the package currently being removed.
Dependency checking failed.
Do you want to continue with the removal of this package [y,n,?,q]
```

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

- Answer y when pkgrm asks Do you want to continue with the removal of this package [y,n,?,q]
- To remove the SUNWppdx 64-bit package, type the following on a command line.

```
#pkgrm -f SUNWppdx
```

- Before removing SUNWppdx, comment out the R SUNWppdu Solaris PPP 4.0 daemon and utilities line of /var/sadm/pkg/SUNWppdx/install/depend

## Web Based Enterprise Management (WBEM) Event Delivery Fails When Uppercase Is Used (4441369)

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

**Workaround:** Use uppercase 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.

```
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`.

## 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_ERR_LOW_ON_MEMORY
```

You cannot add more entries when the Common Information Model (CIM) Object Manager has run low on memory. You must reset the CIM Object Manager Repository.

**Workaround:** To reset the CIM Object Manager Repository:

1. Become superuser.
2. Stop the CIM Object Manager.

```
# /etc/init.d/init.wbem stop
```

3. Remove the JavaSpaces log directory.

```
# /bin/rm -rf /var/sadm/wbem/logr
```

4. Restart the CIM Object Manager.

```
# /etc/init.d/init.wbem start
```

---

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

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

---

## 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 have 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.

This procedure is outlined in the “Installing Java Plug-in” section of the *Java Plug-in for Solaris Users Guide* that is available from [http://www.sun.com/solaris/netscape/jpis/usersguide\\_java\\_plugin.html](http://www.sun.com/solaris/netscape/jpis/usersguide_java_plugin.html).

---

## Java Runtime Bugs

### 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 may also include path not found or invalid ID.

**Workaround:** If the message command failed is displayed, make sure 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 may 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.

**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 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.

---

## Localization Bugs

### `kkcv.sh` Dumps Core In Japanese Locale (4394340)

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

`cssd: The process "kkcv.sh" has been killed by sig#134, core dumped`

This problem occurs in all locales when 'ja' locale is installed using the Languages CD.

**Workaround:** If you do not need to use 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 using the standard key sequence ALTGr+E.

**Workaround:** Login 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 launching a Java application from any UTF-8 locale.

**Workaround:** Log into 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 for 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 using 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 running under `en_US.UTF-8` in Arabic input mode and one 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 using CTL. If you want to enter those languages in Asian and Japanese UTF-8 locales:

1. Create a symbolic link to common CTL modules. In the case of `ja_JP.UTF-8`:

```
# 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
```

(continued)

```
ja_JP.UTF-8.layout.so.1
```

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 case of Thai:

```
# 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 :

```
# cp /usr/openwin/lib/locale/C/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 using the Font Downloader, both the Add and Cancel buttons in the Add Printer dialog box are incorrectly labeled; they are both 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

| Key | Sun Keyboard Layout | Microsoft Keyboard Layout        |
|-----|---------------------|----------------------------------|
| T   | T                   | Arabic Lam_alef with Hamza below |
| U   | U                   | Right single quotation mark      |
| I   | I                   | Arabic multiplication sign       |
| O   | O                   | Arabic division sign             |
| A   | ;                   | Arabic Kasra                     |
| S   | S                   | Arabic Kasratan                  |
| Z   | Z                   | Tilde                            |
| X   | X                   | Arabic Sukun                     |
| C   | Arabic Kasratan     | Left curly bracket               |
| V   | Arabic Kasra        | Right curly bracket              |
| M   | Sukun               | Single low quotation mark        |
| <   | <                   | Arabic comma                     |

## 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 pressing 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 **dumpps** 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 does not work properly.

**Workaround:** Before you attempt to sort in a FIGGS UTF-8 locale, set the *LC\_COLLATE* variable to the ISO1 equivalent.

```
# echo $LC_COLLATE
> es_ES.UTF-8
# setenv LC_COLLATE es_ES.IS08859-1
```

Then start sorting.

## Applications Not Fully Localized (4304495, 4306619)

The following applications are not fully localized. Some parts will not be 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 7/01 operating environment, refer to the Solaris 8 7/01 Update AnswerBook Collection on <http://docs.sun.com>.

---

### Diskless Client Support

The Solaris 8 7/01 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 as described in RFC 2362. The Solaris 8 operating environment does not include the routing daemons, but for those users who want to use the Solaris 8 operating environment to route their multicast network traffic, implementations of the PIM protocol (both Sparse and Dense mode) may be found at <http://netweb.usc.edu/pim>.

---

## Configuring Runtime Search Paths

You can now modify the runtime linker's search paths with the `-z nodefaultlib` option to the `ld` command and with runtime configuration files created by the new utility `crle(1)`.

## End-of-Software Support Statements

---

This chapter lists end-of-support statements.

---

### Current Release

#### 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 will result in a failure for which no patch is available or planned. Solaris 8 7/01 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, Sun's proprietary scalable font technology, is no longer supported. Sun will continue 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 found in `sys/types.h` is not supported in the 64-bit compilation environment. It is currently only available in the 32-bit compilation environment.

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

Two sets of APIs allow 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 both more capable and more portable than the older `getutent(3C)` routines.

Older applications may 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 contained in these files constrains the future evolution of the Solaris operating environment. Applications using these files should be updated to use the documented and supported APIs.

Applications that are already using the `getutent(3C)` family of routines may be unaffected on small system configurations. However, in future releases these interfaces may return errors when used on very large system configurations. For this reason, use the `getutxent(3C)` routines for both old and new code in place of the `getutent(3C)` APIs.

## The 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, upgrade, and after unconfiguration using sys-unconfig(1M).

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

## Sun4c-Based Systems

The following Sun4c—based architecture systems and servers 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

### SUNWebnfs

The SUNWebnfs package may 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>.

### Asynchronous Point-to-Point Protocol (PPP)

Asynchronous PPP may no longer be supported in a future release. This functionality is superseded by Solaris PPP 4.0. See the man page `pppd(1M)` for more information.

### JDK 1.2.2 and JRE 1.2.2

Version 1.2.2 of the JDK and version 1.2.2 of the JRE may no longer be supported in a future release. Near-equivalent functionality is supported by Java 2 Standard Edition, versions 1.3 onward. 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, versions 1.3 onward. 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[+-]*` timezones may no longer be supported in a future release. These files may 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 may no longer be supported in a future release. The s5fs file system supports installing Interactive UNIX applications. Support for the installation of Interactive UNIX applications is no longer required in the Solaris operating environment.

## sendmail Utility

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

More information regarding these features and migration issues is located at <http://www.sendmail.org/vendor/sun/solaris9.html>.

## 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>.

## Solstice AdminTool

Solstice AdminTool (admintool) may no longer be supported in a future release. This tool performs 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 may no longer be supported in a future release.

## XIL

XIL may no longer be supported in a future release. An application using 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`, may no longer be supported 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).

## SUNWrldm

The SUNWrldm package, formerly containing release notes and installed in `/usr/share/release_info`, may not be included on the Solaris Software CD in a future release.

For release notes, refer to the Release Notes on the Solaris Documentation CD, the printed Installation Release Notes, or the Release Notes available on <http://docs.sun.com>.

## crash(1M) Utility

The `crash(1M)` utility may no longer be supported in a future release. The `crash` command is a utility that examines system crash dump files, whose functionality 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 wish to transition from using `crash` to using `mdb`.

## Kerberos Version 4 Client

The Kerberos version 4 client may be removed in a future release. This 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, 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 may 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. They are:

- The text output format of some subcommands is different in `mdb(1)`. Macro files are formatted using the same rules, but scripts that depend on the output of other subcommands may need to be modified.
- The watchpoint length specifier syntax in `mdb(1)` is different from the syntax described in `adb(1)`. The `adb(1)` watchpoint commands `:w`, `:a`, and `:p` allow 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 may no longer be supported in a future release. You might want to migrate to the Motif toolkit. To disable the warning message, use `#define OWTOLKIT_WARNING_DISABLED` or `-D`.

## OpenWindows Environment For Users

The OpenWindows environment may no longer be supported in a future release. You might want to migrate to CDE, the Common Desktop Environment.

## Federated Naming Service (FNS)/XFN Libraries and Commands

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

## Solaris `ipcs(1)` Command

The ability to apply the `ipcs(1)` command to system crash dumps using the `-C` and `-N` command line options may no longer be supported in a future release. Equivalent functionality 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 may no longer be supported in a future release.

## sun4d-Based Servers

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

- SPARCserver™ 1000

- SPARCcenter™ 2000

Hardware options that are dependent on the sun4d-based architecture may 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 7/01 , but code and path or package path names may 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 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 are 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*, *Solaris 8 Installation Supplement*.

## Document Affected: *CDE User's Guide* in AnswerBook2 (4356456)

Some graphics in the *CDE Users's Guide* in AnswerBook2 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. Aside from the number issue, the documentation is correct.

## Document Affected: “IPv6 Header Format” 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 an 8-bit Traffic Class field. The IPv6 Header Format figure should identify the Traffic Class field in place of the Priority field. The Priority bullet 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 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 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.

## Document Affected: “Implementing IPsec” in *System Administration Guide, Volume 3*

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

## Document Affected: “NFS Parameters for the nfs Module” in *System Administration Guide, Volume 3* (4299091)

Several corrections apply to this section:

- For the `nfs_32_time_ok` symbol:
  - Change the symbol name to: `nfs_allow_preepoch_time`.
  - Change the description to: This symbol controls whether the NFS client or server allows file time stamps 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:
  - Change the default to 1. Ignore the comment about the directory name caching.
- For the `nrnode` symbol:
  - Change the default description to: *set to ncsiz*e. By setting the variable to 1 you are effectively disabling the cache, not because there is an explicit check to see whether or not it is 1 but because you are creating a very small cache.
- For the `nfs_write_error_interval` symbol:
  - Change the description: This symbol controls how often NFS ENOSPC and EDQUOT write error messages are logged. Its units are in seconds.
  - No change to the default description.

## Document Affected: “NFS Parameters for the nfs Module” in *System Administration Guide, Volume 3* (4299091)

Delete the `nfsreadmap` symbol entry.

## Document Affected: “NFS Parameters for rpcsec Parameters” in *System Administration Guide, Volume 3* (4299091)

For the `authdes_cachesz` symbol:

- Change the default description: Defaults to 1024.
- Delete the `authkerb_cachesz` symbol entry.
- Delete the `authkerb_win` symbol entry.

## Document Affected: “Mobile IP Mobility Agent Status” and “Displaying Mobility Agent Status” in *Mobile IP Administration Guide*

Current statement:

Use the `mipagentstat(1M)` command's `-b` option to display the home agent's binding table.

Should read as follows:

Use the `mipagentstat(1M)` command's `-h` option to display the home agent's binding table.

## Document Affected: “Managing Mobile IP” and “Deploying Mobile IP” in *Mobile IP Administration Guide*

The Address Section in the Mobile IP configuration file has a parameter named `Default-Node`. This parameter name is incorrect. `Node-Default` is the correct parameter name.

## CERT Advisories

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

**TABLE 6-1** CERT Advisories

| <b>CERT Advisory</b> | <b>Topic</b>                             | <b>Fix Integrated in OS Version</b> | <b>Comments</b>                              |
|----------------------|------------------------------------------|-------------------------------------|----------------------------------------------|
| CA-96.01             | UDP Port Denial-of-Service Attack        | Solaris 2.5.1                       | See CERT Advisory for more details           |
| CA-96.03             | Kerberos 4 Key Server                    | N / A                               | See CERT Advisory for more details           |
| CA-96.04             | Corrupt Information from Network Servers | Solaris 2.5.1                       | Solaris 8 operating environment not affected |
| CA-96.05             | Java                                     | N / A                               | Solaris 8 operating environment not affected |
| CA-96.06             | NCSA / Apache CGI                        | N / A                               | Solaris 8 operating environment not affected |
| CA-96.07             | Java Bytecode Verifier                   | N / A                               | See CERT Advisory for more details           |
| CA-96.08             | PCNFSD                                   | N / A                               |                                              |
| CA-96.09             | rps.statd                                | Solaris 2.5.1                       |                                              |

**TABLE 6-1** CERT Advisories *(continued)*

| <b>CERT Advisory</b> | <b>Topic</b>                       | <b>Fix Integrated in OS Version</b> | <b>Comments</b>                              |
|----------------------|------------------------------------|-------------------------------------|----------------------------------------------|
| CA-96.10             | NIS+ Configuration                 | Solaris 2.5.1                       |                                              |
| CA-96.11             | Interpreters in CGI bin            | N / A                               |                                              |
| CA-96.12             | suidperl                           | N / A                               |                                              |
| CA-96.13             | dip                                | N / A                               |                                              |
| CA-96.14             | rdist                              | Solaris 2.6                         |                                              |
| CA-96.15             | KCMS                               | Solaris 2.6                         |                                              |
| CA-96.16             | AdminTools                         | Solaris 2.6                         |                                              |
| CA-96.17             | vold                               | Solaris 2.6                         |                                              |
| CA-96.18             | fm_fls                             | N / A                               |                                              |
| CA-96.19             | expreserve                         | Solaris 2.5                         |                                              |
| CA-96.20             | sendmail resource starvation       | Solaris 2.6                         |                                              |
| CA-96.21             | TCP SYN Flood                      | Solaris 2.6                         |                                              |
| CA-96.22             | bash                               | N / A                               |                                              |
| CA-96.23             | workman                            | N / A                               |                                              |
| CA-96.24             | sendmail daemon mode vulnerability | N / A                               | Solaris 8 operating environment not affected |
| CA-96.25             | sendmail group permissions         | Solaris 2.6                         |                                              |
| CA-96.26             | ping                               | Solaris 2.6                         |                                              |
| CA-96.27             | HP Software Installtion Programs   | N / A                               |                                              |
| CA-97.01             | FLEXlm                             | N / A                               |                                              |
| CA-97.02             | HP-UX newgrp                       | N / A                               |                                              |

**TABLE 6-1** CERT Advisories *(continued)*

| <b>CERT Advisory</b> | <b>Topic</b>                    | <b>Fix Integrated in OS Version</b> | <b>Comments</b>                              |
|----------------------|---------------------------------|-------------------------------------|----------------------------------------------|
| CA-97.03             | csetup                          | N / A                               |                                              |
| CA-97.04             | talkd                           | Solaris 2.6                         |                                              |
| CA-97.05             | MIME Conversion Buffer Overflow | N / A                               | Solaris 8 operating environment not affected |
| CA-97.06             | rlogin-term                     | Solaris 2.6                         |                                              |
| CA-97.07             | nph-test                        | N / A                               |                                              |
| CA-97.08             | innnd                           | N / A                               |                                              |
| CA-97.09             | imap and pop                    | N / A                               | Solaris 8 operating environment not affected |
| CA-97.10             | Natural Language                | N / A                               | Solaris 8 operating environment not affected |
| CA-97.11             | libXt                           | Solaris 2.6                         |                                              |
| CA-97.12             | webdist.cgi                     | N / A                               |                                              |
| CA-97.13             | xlock                           | Solaris 2.6                         |                                              |
| CA-97.14             | metamail                        | N / A                               |                                              |
| CA-97.15             | SGI Login                       | N / A                               |                                              |
| CA-97.16             | ftpd                            | N / A                               | Solaris 8 operating environment not affected |
| CA-97.17             | sperl                           | N / A                               |                                              |
| CA-97.18             | at                              | Solaris 2.6                         |                                              |
| CA-97.19             | bsdip                           | N / A                               | Solaris 8 operating environment not affected |
| CA-97.20             | JavaScript                      | N / A                               |                                              |

**TABLE 6-1** CERT Advisories *(continued)*

| <b>CERT Advisory</b> | <b>Topic</b>         | <b>Fix Integrated in OS Version</b> | <b>Comments</b>                              |
|----------------------|----------------------|-------------------------------------|----------------------------------------------|
| CA-97.21             | SGI Buffer           | N / A                               |                                              |
| CA-97.22             | bind                 | Solaris 7                           |                                              |
| CA-97.23             | rdist                | Solaris 7                           |                                              |
| CA-97.24             | Count_cgi            | N / A                               |                                              |
| CA-97.25             | CGI_metachar         | N / A                               |                                              |
| CA-97.26             | statd                | Solaris 2.6                         |                                              |
| CA-97.27             | FTP bound            | Solaris 2.6                         |                                              |
| CA-97.28             | Teardrop and Land    | N / A                               | Solaris 8 operating environment not affected |
| CA-98.01             | smurf                | N / A                               | See CERT Advisory for more details           |
| CA-98.02             | CDE                  | Solaris 7 and 8                     |                                              |
| CA-98.03             | ssh-agent            | N / A                               |                                              |
| CA-98.04             | Microsoft Windows    | N / A                               |                                              |
| CA-98.05             | bind_problems        | Solaris 7                           |                                              |
| CA-98.06             | nisd                 | Solaris 7                           |                                              |
| CA-98.07             | PKCS                 | N / A                               | Solaris 8 operating environment not affected |
| CA-98.08             | qpopper_vul          | N / A                               |                                              |
| CA-98.09             | imapd                | N / A                               | Solaris 8 operating environment not affected |
| CA-98.10             | Mime buffer overflow | Solaris 7                           |                                              |
| CA-98.11             | tooltalk             | Solaris 7                           |                                              |

**TABLE 6-1** CERT Advisories *(continued)*

| <b>CERT Advisory</b> | <b>Topic</b>         | <b>Fix Integrated in OS Version</b>          | <b>Comments</b>                              |
|----------------------|----------------------|----------------------------------------------|----------------------------------------------|
| CA-98.12             | mountd               | N / A                                        | Solaris 8 operating environment not affected |
| CA-99-01             | Trojan-TC            | N / A                                        |                                              |
| CA-99-02             | Trojan-Horse         | N / A                                        |                                              |
| CA-99-03             | FTP buffer overflows | N / A                                        | Solaris 8 operating environment not affected |
| CA-99-04             | Melissa              | N / A                                        | Solaris 8 operating environment not affected |
| CA-99-05             | statd-automountd     | Solaris 7 (statd)<br>Solaris 2.6 (automount) |                                              |
| CA-99-06             | exploresip           | N / A                                        | Solaris 8 operating environment not affected |
| CA-99-07             | IIS buffer overflow  | N / A                                        |                                              |
| CA-99-08             | rpc.cmsd             | Solaris 8                                    |                                              |
| CA-99-09             | arrayd               | N / A                                        |                                              |
| CA-99-10             | cobalt.rag2          | N / A                                        |                                              |
| CA-99-11             | CDE                  |                                              | Solaris 8 operating environment not affected |
| CA-99-12             | amd                  |                                              | Solaris 8 operating environment not affected |
| CA-99-13             | wuftp                |                                              | Solaris 8 operating environment not affected |

**TABLE 6-1** CERT Advisories *(continued)*

| <b>CERT Advisory</b> | <b>Topic</b>            | <b>Fix Integrated in OS Version</b> | <b>Comments</b>                                                                   |
|----------------------|-------------------------|-------------------------------------|-----------------------------------------------------------------------------------|
| CA-99-14             | bind                    |                                     | Solaris 8 operating environment not affected                                      |
| CA-99-15             | RSAREF2                 |                                     | Solaris 8 operating environment not affected                                      |
| CA-99-16             | sadmind                 |                                     | Solaris 8 operating environment not affected                                      |
| CA-99-17             | Denial of service tools |                                     | Not part of the Solaris 8 operating environment. See Sun Security Bulletin #00193 |

## Patch List

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The patches listed in this appendix have been applied to the Solaris 8 7/01 operating environment in one of the following ways:

- SolStart

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

- Freshbits technology

These patches were applied when the Solaris 8 7/01 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 7/01 operating environment includes a known and tested level of patches; however, patches cannot be backed out of the Solaris 8 7/01 operating environment.

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## Patch List

108528-09: 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 4269582 4269845 4271378 4271726 4271733 4271738 4272737  
4275177 4276021 4278679 4278935 4279959 4281502 4282158 4282212 4284196 4286659 4288248  
4290073 4290269 4290532 4290575 4291601 4293528 4293692 4294881 4295047 4295776 4296081

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4296124 4296614 4296770 4296961 4298256 4298472 4298789 4298790 4298792 4298794 4299010  
 4299504 4299838 4300040 4300179 4300788 4300951 4301117 4301683 4302637 4302919 4303126  
 4303474 4303649 4304033 4304051 4304696 4305131 4305365 4305392 4305709 4305817 4306004  
 4306367 4306802 4307062 4307080 4307475 4307697 4307747 4307771 4307827 4308242 4308245  
 4308370 4308807 4309011 4309330 4309719 4309750 4309761 4309784 4309802 4309804 4309818  
 4310353 4310864 4311081 4311126 4311134 4311755 4312278 4312461 4312641 4312838 4312876  
 4312937 4313235 4313746 4313747 4314121 4314201 4314488 4314616 4314656 4314662 4314936  
 4315098 4315100 4315101 4316672 4316683 4317007 4317174 4317476 4317657 4317667 4317728  
 4318351 4318358 4318728 4318747 4318795 4319122 4319440 4319715 4319724 4320047 4320297  
 4320338 4320394 4320440 4320471 4320547 4320653 4321259 4321326 4321803 4321810 4322424  
 4322734 4322741 4323534 4323981 4324244 4324250 4324390 4324900 4324992 4325075 4325225  
 4325336 4325366 4325617 4325626 4325641 4325722 4325730 4325934 4325959 4326076 4326110  
 4326851 4327038 4327135 4327330 4327674 4327795 4328067 4328075 4328225 4328669 4328671  
 4328843 4329112 4329695 4330014 4330027 4330206 4330301 4330383 4330429 4330774 4330882  
 4331384 4331496 4331744 4331884 4332219 4332425 4332484 4332521 4332740 4333138 4333639  
 4333882 4334198 4334346 4334348 4334446 4334462 4334505 4335003 4335109 4335251 4335285  
 4335837 4335935 4336156 4336182 4336274 4336303 4336323 4336443 4336779 4336906 4337039  
 4337295 4337300 4337543 4337605 4337637 4337674 4337951 4338007 4338009 4338028 4338033  
 4338035 4338148 4338189 4338275 4338702 4338704 4339009 4339049 4339179 4339235 4339354  
 4339732 4340118 4340131 4340385 4340527 4340614 4340646 4340910 4340924 4340960 4341008  
 4341185 4341337 4341378 4341664 4341714 4342756 4343039 4343115 4343189 4343237 4343285  
 4343391 4343425 4343443 4343480 4343762 4343991 4344008 4344042 4345163 4345667 4346088  
 4346167 4346319 4346495 4346666 4346875 4346976 4346998 4347358 4347359 4347965 4348040  
 4349102 4349272 4349393 4349603 4350263 4350354 4350574 4350726 4350849 4351116 4351181  
 4351877 4351971 4352174 4352284 4352611 4353353 4353432 4353449 4354331 4354397 4354498  
 4354564 4354802 4355025 4355205 4355206 4355538 4356439 4356587 4356615 4356641 4357092  
 4357097 4357216 4357245 4357371 4357552 4357646 4357714 4357897 4357919 4358151 4358192  
 4358385 4358414 4358416 4358837 4359294 4359440 4359501 4359524 4359812 4360867 4361705  
 4362122 4362141 4362327 4362522 4362966 4362970 4362979 4362980 4362983 4362985 4362986  
 4363051 4363646 4363678 4363751 4363907 4364048 4364167 4364314 4364556 4365247 4365336  
 4365604 4365733 4365739 4367538 4367584 4367625 4367773 4367903 4368026 4368057 4368758  
 4368921 4369175 4369300 4369543 4369993 4370121 4370146 4370148 4370240 4370674 4371112  
 4371183 4371549 4371615 4371697 4371769 4371774 4371775 4371777 4371778 4371970 4371993  
 4372173 4372356 4372359 4372457 4373222 4373322 4374117 4374859 4374973 4375172 4375461  
 4375699 4375901 4376089 4376101 4376956 4377012 4377215 4377831 4380262 4380319 4380688  
 4380916 4381564 4381743 4381821 4381900 4382190 4382663 4382693 4383099 4383218 4383260  
 4384445 4384675 4385718 4386088 4386092 4386857 4387010 4387034 4387227 4387923 4388263  
 4388913 4389866 4390721 4391048 4391799 4392082 4392586 4393407 4394023 4394372 4395736  
 4397335 4398255 4398298 4400262 4400356 4400359 4400361 4401747 4401837 4401865 4402431  
 4402894 4403129 4405240 4405395 4406476 4406571 4408028 4408832 4408953 4409089 4413562  
 4414594 4417257 4417289 4421352 4422232 4424175 4427954 4428317 4428907 4430416 4431763  
 4439142 4445279 4446725 4449640 4454152 4463166

108569-05: X11 6.4.1: platform support for new hardware  
 4335033 4346835 4376310 4376485 4414947

108576-14: SunOS 5.8: Expert3D IFB Graphics Patch  
 4287694 4288477 4288903 4292508 4294341 4294348 4297823 4299666 4304542 4309471  
 4303922 4299963 4306459 4307648 4311205 4310445 4306528 4307008 4304337 4314581 4275102  
 4312920 4325797 4281786 4320218 4281768 4330211 4332169 4312416 4334722 4336101 4331089  
 4327729 4330221 4329466 4338179 4338885 4339551 4342292 4339999 4345131 4343337 4345441  
 4345824 4318209 4308321 4346269 4343794 4319009 4351258 4350874 4354581 4349383 4371825  
 4374934 4362248 4368895 4373831 4367838 4370226 4342520 4361200 4366380 4374490 4375322

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4381790 4384560 4381091 4383456 4359327 4379613 4380904 4382690 4381752 4386795 4399009  
4312755 4412574 4419902 4393312 4426775 4420598 4404698 4416323 4426717

108604-16: SunOS 5.8: Elite3D AFB Graphics Patch

4234045 4294963 4300089 4303885 4308725 4314165 4317186 4318450 4318781 4326599  
4300698 4331783 4332163 4337138 4345380 4346269 4301100 4383203 4398494 4403310 4358552  
4390300 4391869 4422952

108605-15: SunOS 5.8: Creator 8 FFB Graphics Patch

4234045 4294963 4303885 4308725 4314165 4317186 4318781 4326599 4300698 4331783  
4327149 4335445 4343038 4343163 4343439 4343491 4346269 4383203 4398494 4403310 4334848  
4358552 4391869 4415264 4422952 4404365

108606-10: SunOS 5.8: M64 Graphics Patch

4346365 4346366 4323033 4330240 4339896 4344317 4339609 4348035 4348038 4355633  
4357093 4346269 4353922 4337456 4344114 4359222 4382556 4388408 4359199 4412237 4417526  
4426011

108609-01: SunOS 5.8: Buttons/Dials Patch

4299526

108623-02: SunOS 5.8: Thai Wordbreak Iterator module

4389752

108652-34: X11 6.4.1 Xsun patch

4281374 4292395 4286682 4300866 1221324 4308554 4306350 4312517 4287741 4297581  
4297830 4299495 4306774 4308640 4308661 4308670 4311088 4312780 4312893 4305597 4310813  
4293861 4311804 4318777 4311685 4317727 4314304 4310120 4299667 4310536 4330738 4332966  
4107762 4323892 4333070 4185418 4336308 4314423 4346749 4332982 4312537 4323164 4338851  
4356114 4355797 4356265 4345609 4380139 4379301 4201153 4364219 4383751 4373395 4296832  
4363016 4366826 4351398 4351928 4357191 4384470 4386513 4379921 4266226 4303123 4315367  
4332582 4344578 4345315 4362714 4384349 4401442 4388540 4322639 4351432 4425100 4396244  
4389859 4415638 4356377 4421358 4423990 4430205 4421610 4422000 4408780 4420281 4428762  
4068021 4102547 4423292 4434695 4459544

108664-07: SunOS 5.8: Support for Network Service Provider platforms

4298987 4309134 4321825 4365953 4395774

108680-09: SunOS 5.8: su, su\_pnp, and eri driver patch

4252667 4306404 4351894 4374325 4376935 4377930 4385015 4388147

108711-04: Solaris 8: Missing Catalan Locale Support

4305956 4328876 4337258

108714-05: CDE 1.4: libDtWidget patch

4289349 4321189 4360030

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

4126922

108725-05: SunOS 5.8: st driver patch

4180382 4258164 4258222 4270641 4271247 4303253 4319238 4347576 4347741 4351714  
4387086 4397319

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108727-06: SunOS 5.8: /kernel/fs/nfs and /kernel/fs/sparcv9/nfs patch  
4193748 4249187 4276984 4293528 4331346 4338770 4349744

108734-02: Polish UTF-8 Support Solaris 8  
4325497 4328876

108735-03: u.RU.KOI8-R : Cannot cut and paste cyrillic between dtapps  
4307614 4325497 4328876 4359095

108773-08: SunOS 5.8: IIIM and X Input & Output Method patch  
4409148 4390729 4391701 4379997 4366559 4363883 4306958 4305501 4304989 4301739  
4307230 4307224 4295996 4325454 4313845 4342196 4332958 4339874

108781-01: Solaris 8: Get UDCTool to work for zh\_TW  
4307173

108806-04: SunOS 5.8: Sun Quad FastEthernet qfe driver  
4411462 4401250 4400713 4372906 4382499 4321069 4321602 4306341 4301636

108808-30: SunOS 5.8: Manual Page updates for Solaris 8  
4456136 4357397 4449584 4450465 4405204 4434152 4427574 4377183 4380002 4397100  
4406751 4417820 4419194 4427238 4312747 4389539 4414537 4401236 4405204 4409584 4414442  
4401520 4406485 4373372 4396019 4396026 4400590 4195476 4310895 4311279 4311281 4311373  
4311374 4312130 4314114 4314390 4317975 4323321 4323394 4325356 4338576 4345255 4345863  
4347481 4351085 4352046 4353279 4356775 4358328 4359608 4360350 4360561 4365567 4365858  
4367587 4369053 4370464 4372215 4372924 4375651 4375910 4375911 4375914 4376137 4377107  
4377109 4377110 4379281 4379596 4379982 4381797 4381815 4383769 4383792 4384483 4384874  
4385712 4385721 4385727 4385769 4386452 4386980 4388637 4388648 4388763 4394740 4398147  
4398148 4398152 4398196 4398301 4331001

108813-06: SunOS 5.8: Sun Gigabit Ethernet 3.0  
4355771 4343651 4309515 4295731 4311852 4285590 4327077 4286596 4335247 4347663  
4368504 4333896 4381305 4415127 4336578

108820-01: SunOS 5.8: nss\_compat.so.1 patch  
4302441

108823-01: SunOS 5.8: compress/uncompress/zcat patch  
4295877

108825-01: SunOS 5.8: /usr/lib/fs/cachefs/cfsadmin patch  
4207874

108827-10: SunOS 5.8: libthread patch  
4091466 4236427 4288299 4300228 4307551 4311948 4335956 4336933 4367192 4368163  
4376585 4381908

108833-05: SunOS 5.8: kdmouse and kb\_ps2 driver patch  
4286023 4309431 4351910 4359774 4433935

108835-02: CDE 1.4: dtcm patch  
4285729 4320553

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108869-06: SunOS 5.8: snmpdx/mibiisa/libssasmp/snmplib patch  
 4299328 4301970 4309416 4330039 4333417 4359519 4361619 4368330 4377219 4390382  
 4404944 4412996 4414237

108875-09: SunOS 5.8: c2audit patch  
 1253973 4224166 4290575 4307306 4308525 4322741 4325997 4336689 4336959 4339611  
 4344275 4349180 4353965

108897-01: X11 6.4.1 Xprint patch  
 4305734

108899-01: SunOS 5.8: /usr/bin/ftp patch  
 4294697

108901-03: SunOS 5.8: /kernel/sys/rpcmod and /kernel/strmod/rpcmod patch  
 4107735 4321293 4330007

108909-11: CDE 1.4: Smart Card Administration GUI patch  
 4301377 4301411 4310298 4330268 4350318 4353115 4292889 4328443 4343393 4358106  
 4359950 4358885 4288789 4300862 4304481 4364860 4428095 4428113

108914-02: SunOS 5.8: localisation updates for different components  
 4331185

108919-09: CDE 1.4: dtlogin patch  
 4072784 4293300 4302209 4299160 4346072 4328385 4293551 4379999 4317622 4423832  
 4421008

108921-11: CDE 1.4: dtwm patch  
 4306589 4311842 4301522 4299651 4300013 4261430 4311753 4330496 4335592 4335971  
 4332153 4293551 4383544 4389935 4392829 4395985

108923-01: CDE 1.4: dtwm patch  
 4261430 4310640 4311753

108925-10: Solaris 8: New Messages for new I18N projects(Sync with UR5 B6)  
 4331886 4351024

108933-01: Hex broken in Swedish dtcalc, Mistranslation in Spanish dtmail  
 4308864 4304021

108940-25: Motif 1.2.7 and 2.1.1: Runtime library patch for Solaris 8  
 4299216 4294643 4320106 4318757 4322319 4299139 4312519 4322466 4327272 4327592  
 4336559 4327637 4322728 4342603 4343099 4350517 4334155 4367450 4362266 4350828 4400646  
 4383575 4393364 4406624 4386891 4412362 4340913 4317815 4414939 4424753 4449086 4441305  
 4449359 4437563

108947-01: SunOS 5.8: /platform/sun4u/cprboot patch  
 4296960

108949-06: CDE 1.4: libDtHelp/libDtSvc patch  
 4298416 4307660 4345282 1191725 4389935 4402567

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108954-02: SunOS 5.8: localisation updates for different components

108956-01: SunOS 5.8: htt\_server dumps core on SCH's cm.so in utf-8 locales  
4314242

108962-01: SunOS 5.8: XmlReader fails on an HTTP stream  
4314140

108964-05: SunOS 5.8: /usr/sbin/snoop patch  
1110881 4218869 4247106 4297326 4297676 4304083 4313760 4315280 4317713 4321696  
4321713 4321720 4321721 4321723 4321725 4321726 4322042 4322055 4322058 4322060 4322064  
4322200 4322670

108968-05: SunOS 5.8: vol/vold/rmmount patch  
1206000 4108297 4145529 4205437 4211612 4254816 4255049 4285374 4286446 4292408  
4292563 4296452 4298451 4298465 4298563 4298567 4303430 4304283 4304289 4305067 4306425  
4307495 4307500 4307620 4307634 4312778 4313091 4314778 4355643 4365412 4392241

108970-01: SunOS 5.8: /usr/lib/fs/pcfs/fsck and /usr/lib/fs/pcfs/mkfs patch  
4145536 4210625 4250242 4256652

108972-04: SunOS 5.8: /sbin/fdisk patch  
4221693 4304790 4347145

108974-11: SunOS 5.8: dada, uata, dad, sd and scsi drivers patch  
4102203 4231195 4231208 4237299 4262676 4263164 4271068 4271069 4275749 4279959  
4284198 4285368 4285546 4291601 4297348 4302559 4304790 4305131 4305767 4313216 4313235  
4318239 4325722 4325730 4328843 4329580 4329996 4335919 4337637 4343075 4343747 4346167  
4347117 4348075 4349893 4352908 4353025 4353074 4354337 4357397 4361271 4384992 4393407

108975-04: SunOS 5.8: /usr/bin/rmformat and /usr/sbin/format patch  
4242879 4292212 4304790 4308431 4311553 4322206 4328893

108977-01: SunOS 5.8: libsmmedia patch  
4292214 4308431 4311553

108981-06: SunOS 5.8: /kernel/drv/hme and /kernel/drv/sparcv9/hme patch  
4151557 4247473 4305997 4327121 4327720 4369451 4372616 4372906 4382499 4398871

108982-09: SunOS 5.8: fctl/fp/fcp/usoc driver patch  
4270724 4278408 4291069 4294605 4295939 4298666 4298671 4298676 4298680 4298689  
4298693 4298699 4299785 4300516 4300943 4300953 4302739 4303724 4303736 4304902 4305775  
4306340 4306737 4319582 4320820 4323071 4324847 4325628 4326575 4326893 4329579 4331095  
4331778 4334397 4336589 4336669 4336671 4342072 4342080 4342091 4342847 4343652 4343660  
4344776 4344777 4353138 4353873 4353887 4353895 4353900 4353906 4355988 4357644 4363620  
4364099 4368105 4368384 4372083 4372479 4372763 4373469 4373730 4377565 4377643 4383009  
4410561

108983-08: SunOS 5.8: fcip patch  
4304890 4319582 4320876 4337691 4340152 4342080 4342091 4342847 4355959 4355971  
4358603 4368384 4369500 4373906

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108984-08: SunOS 5.8: qlc patch  
 4264323 4278254 4300470 4300943 4300953 4302087 4304897 4319582 4324126 4324180  
 4324192 4324478 4326893 4327991 4328447 4330730 4334838 4335949 4336664 4336665 4336667  
 4337688 4344845 4353138 4353797 4353806 4353815 4353831 4353855 4355029 4357943 4360096  
 4360591 4360623 4363212 4364558 4366910 4367402 4368073 4369500 4375320 4377554 4377565  
 4380799 4394478

108985-02: SunOS 5.8: /usr/sbin/in.rshd patch  
 4158689 4305888 4335632

108987-04: SunOS 5.8: Patch for patchadd and patchrm  
 4115232 4278860 4292990 4299710 4303509 4304640 4311375 4319950 4330590 4350280  
 4351626 4356028 4379881 4384137 4388023

108989-02: SunOS 5.8: /usr/kernel/sys/acctctl and /usr/kernel/sys/exacctsys patch  
 4305365 4312278 4313746 4313747 4314201

108991-13: SunOS 5.8: /usr/lib/libc.so.1 patch  
 1257084 4193683 4225913 4244731 4291844 4292683 4302592 4303962 4310353 4312278  
 4314913 4314993 4341290 4355205 4355206 4357778 4366956 4374039 4375449 4395379 4400361

108993-03: SunOS 5.8: nss and ldap patch  
 1257084 4312278 4353601 4357778

108995-02: SunOS 5.8: /usr/lib/libproc.so.1 patch  
 4312278 4400361

108997-03: SunOS 5.8: libexacct and libproject patch  
 4305365 4312278 4313746 4313747 4314201

108999-01: SunOS 5.8: PAM patch  
 4312278

109003-01: SunOS 5.8: /etc/init.d/acctadm and /usr/sbin/acctadm patch  
 4312278

109005-02: SunOS 5.8: /sbin/su.static and /usr/bin/su patch  
 4312278 4374692

109007-05: SunOS 5.8: at/atrm/batch/cron patch  
 4261967 4304184 4312278 4368876 4379735

109009-01: SunOS 5.8: /etc/magic and /usr/bin/file patch  
 4312278

109011-01: SunOS 5.8: /usr/bin/id and /usr/xpg4/bin/id patch  
 4312278

109013-02: SunOS 5.8: /usr/bin/lastcomm patch  
 4305365 4312278 4313746 4313747 4314201

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

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4312278

109017-01: SunOS 5.8: /usr/bin/pgrep and /usr/bin/pkill patch  
4312278

109019-02: SunOS 5.8: /usr/bin/priocntl patch  
4312278 4409616

109021-01: SunOS 5.8: /usr/bin/projects patch  
4312278

109023-01: SunOS 5.8: /usr/bin/sparcv7/ps and /usr/bin/sparcv9/ps patch  
4312278

109025-03: SunOS 5.8: /usr/bin/sparcv7/truss and /usr/bin/sparcv9/truss patch  
4312278 4355205 4355206 4389754 4400361

109027-01: SunOS 5.8: /usr/bin/wracct patch  
4312278

109029-02: SunOS 5.8: perl patch  
4312278 4458516

109031-01: SunOS 5.8: projadd/projdel/projmod patch  
4312278

109033-01: SunOS 5.8: /usr/bin/sparcv7/prstat and /usr/bin/sparcv9/prstat patch  
4312278

109035-02: SunOS 5.8: useradd/userdel/usermod patch  
4312278 4361232

109037-01: SunOS 5.8: /var/yp/Makefile and /var/yp/nicknames patch  
4312278

109043-02: SunOS 5.8: sonode adb macro patch  
4224166 4290575 4322741

109045-02: SunOS 5.8: /usr/sbin/sparcv7/crash and /usr/sbin/sparcv9/crash patch  
4224166 4290575 4322741

109068-01: Japanese CDE 1.4: Update Japanese CDE help files  
4302904

109070-03: SunOS 5.8: fix WBEM improper Japanese messages and update  
4302909 4380748 4417297

109072-08: CDE 1.4: (Japanese) sdtsmartcardadmin update  
4318088 4301377 4328596 4346028 4346738 4350168 4357755 4384414 4304481 4457450

109077-04: SunOS 5.8: dhcp server and admin patch  
4006121 4081088 4087704 4118738 4123989 4217448 4236794 4247106 4259606 4261028  
4262563 4266337 4280050 4292039 4294562 4313817 4321169 4325569 4332717 4343883 4344207

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4345227 4351640 4365946 4366907 4373015 4382760 4401269 4403345 4406599 4418313 4419584  
4421892 4426477 4432319 4446827

109087-01: SunOS 5.8: atok8 terminates "Shell widget modeShell has zero..."  
4297016 4301750

109091-04: SunOS 5.8: /usr/lib/fs/ufs/ufsrestore patch  
4132365 4297558 4302943 4339366 4366956 4375449

109093-09: SunOS 5.8: JFP message files patch  
4318917 4345727 4357764 4358930 4380324 4402947 4433611 4460436

109094-01: SunOS 5.8: localisation updates for different components

109128-01: Provide conversion between codepages 1256 and ISO8859-6  
4301870

109131-07: SunOS 5.8: JFP manpages patch  
4320935 4345069 4302905 4351981 4379437 4405735 4458124

109133-02: SunOS 5.8 : Cut and Paste not functioning in ru\_RU.KOI8-R locale  
4307614 4328876

109134-19: SunOS 5.8: WBEM patch lines in patch README can cause CIM\_ERR\_FAILED  
4209330 4297248 4309319 4314792 4318408 4329995 4332540 4333798 4333799 4336708  
4336719 4336764 4346486 4346810 4346974 4352831 4355958 4355986 4356000 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 4369554 4370171  
4370176 4370212 4370711 4371192 4371214 4371217 4371519 4372191 4372647 4372914 4373672  
4374771 4376028 4376259 4377284 4377534 4377870 4377923 4377924 4377935 4377936 4377946  
4377957 4377958 4377997 4378011 4378016 4378181 4378271 4378310 4378375 4378523 4378622  
4378628 4378636 4378639 4378646 4378763 4378782 4378798 4378801 4379010 4379015 4379045  
4379135 4379174 4379554 4379726 4379737 4379936 4380100 4380186 4380380 4380397 4380478  
4380481 4380490 4380596 4380882 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 4397253 4398656 4400195 4403686 4403893 4404301 4406776  
4407241 4407677 4416423 4417302 4417303 4417342

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

109147-09: SunOS 5.8: linker patch  
4040628 4077245 4103449 4187211 4204447 4210412 4219652 4235315 4239213 4243097  
4248250 4250694 4255943 4287274 4297563 4300018 4303609 4306415 4309212 4310324 4310901  
4311226 4312449 4313765 4316531 4318162 4321634 4322528 4322581 4324134 4324324 4324775  
4327653 4329785 4334617 4335801 4336102 4336980 4338812 4340878 4341496 4343417 4343801

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4344528 4346001 4346144 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 4452202 4452220

109149-01: SunOS 5.8: /usr/sbin/mkdevmaps patch  
 4316613

109152-01: SunOS 5.8: /usr/4lib/libc.so.1.9 and /usr/4lib/libc.so.2.9 patch  
 4128267

109154-08: SunOS 5.8: PGX32 Graphics Patch  
 4313132 4329407 4340417 4340678 4344436 4347028 4357957 4383508 4372518 4377807  
 4398941 4373617 4352469 4396037 4417836 4417842 4417849

109157-17: SunOS 5.8: WOS Message Update and more bug fix for UR4/UR5  
 4350770 4351383 4332965 4343790 4334002 4337487 4337974 4338505 4341638 4323845  
 4362981 4413585 4440717

109159-01: SunOS 5.8: the mapping of zh\_CN.euc%UTF-8 is consistent  
 4334099 4337362

109165-10: CDE 1.4: dtfile patch  
 4257760 4256612 4256615 4256616 4256617 4297751 4259270 4287012 4292249 4303367  
 4297401 4302856 4305084 4305248 4303443 4291565 4308823 4306243 4291444 4286997 4310115  
 4302740 4301375 4312545 4314867 4312316 4310827 4292266 4316515 4314491 4317156 4317797  
 4314870 4322296 4318940 4325417 4335592 4331909 4331578 4339457 4343798 4353856 4346376  
 4406203 4280247

109167-01: CDE 1.4: Desktop Help Updates Patch  
 4307183 4319636

109169-12: CDE 1.4: Window Manager Enhancements Patch  
 GWM sdtgwm dumps core after selecting Window->Close Window  
 4301525 4301229 4303415 4304468 4308078 4310419 4311506 4312315 4311916 4312250  
 4311992 4312375 4305293 4316508 4299329 4321374 4327961 4321817 4328036 4328268 4327801  
 4330458 4327967 4332309 4330198 4331955 4328255 4330445 4336342 4360521 4376807 4389935  
 4382452 4319599 4384360 4390631 4392829 4391179 4411689

109176-04: CDE 1.4: Japanese patch to sync base CDE update  
 4322170 4346025 4365384 4373355 4410646

109179-04: SunOS 5.8: localisation updates for SmartCard and Removable Media  
 4337729 4313061 4329376 4333754 4329372

109181-04: SunOS 5.8: /kernel/fs/cachefs patch  
 4103817 4166371 4292697 4299056 4299427 4308026 4308068 4345825 4377598

109189-02: SunOS 5.8: ifp driver patch  
 4275418 4285969 4294568 4309042 4329645 4329671 4333114

109200-02: SunOS 5.8: l10n updates: Removable Media, Window Mgr & Pam Proj  
 4336934 4313061 4333002

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109202-01: SunOS 5.8: /kernel/misc/gld and /kernel/misc/sparcv9/gld patch  
4197367

109223-01: SunOS 5.8: libgss.so.1 and libkadm5clnt.so.1 patch  
4308978

109234-04: SunOS 5.8: Apache and NCA patch  
4285881 4294231 4296334 4297125 4297126 4297294 4299951 4300202 4300429 4300836  
4301047 4303787 4306793 4307672 4307679 4307683 4308402 4309183 4309784 4311970 4312075  
4312109 4312396 4313734 4316564 4317634 4318360 4318365 4324351 4326195 4326198 4335591  
4374333 4383806 4386685 4400356 4400359 4406963 4406965 4411982 4411983 4416245 4419168  
4421127 4421142 4427593 4428375 4428382 4428554 4428696 4429882 4430068 4430085 4430216  
4430242 4440248

109238-01: SunOS 5.8: /usr/bin/sparcv7/ipcs and /usr/bin/sparcv9/ipcs patch  
4310353

109244-02: SunOS 5.8: SPECIAL PATCH: replace SUNWcstlx and SUNWucbtx pkginfos  
4298041

109247-01: Bad translation causes core dump in German install  
4324017

109249-01: Help not localised for the dhcpgmr  
4324311

109255-01: Unlocalised buttons on user-interface of dhcpgmr  
4324315

109264-01: Graphics missing from Help in Smart Card  
4324308

109277-01: SunOS 5.8: /usr/bin/iostat patch  
4313169

109279-14: SunOS 5.8: /kernel/drv/ip patch  
4239154 4278842 4291034 4299644 4299951 4302749 4303422 4304991 4305039 4306362  
4308728 4310956 4311938 4313189 4317221 4320818 4323647 4323830 4324051 4324430 4333995  
4335568 4336478 4337275 4338724 4339375 4340455 4347223 4352770 4360818 4370123 4374157  
4375920 4376886 4387783 4390248

109318-18: SunOS 5.8: suninstall patch  
4186765 4210386 4245794 4256556 4265363 4299103 4302899 4310379 4310705 4313039  
4322703 4324404 4325840 4334036 4336779 4337779 4338255 4342090 4344764 4345757 4350971  
4351009 4351486 4355192 4358804 4360631 4365737 4367081 4367650 4372310 4378277 4382446  
4384102 4384301 4384377 4387795 4389127 4390941 4391651 4392519 4392524 4394060 4400744  
4401306 4402955 4403108 4406142 4408096 4410691 4410698 4417149 4422464 4428478 4434830  
4446215 4452998

109320-03: SunOS 5.8: LP jumbo patch  
4187773 4188167 4235953 4260829 4263321 4265529 4281487 4302705 4303242 4310991  
4319723 4324679 4325537 4337699 4411642

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109322-07: SunOS 5.8: libnsl patch  
4283726 4302592 4305859 4320661 4327396 4336332 4354007 4357266 4374142

109324-02: SunOS 5.8: sh/jsh/rsh/pfsh patch  
4300733 4313399

109326-04: SunOS 5.8: libresolv.so.2, in.named patch  
4136555 4253123 4284409 4300887 4349983 4365909 4409676 4444745

109328-01: SunOS 5.8: /usr/lib/netsvc/yp/ypserv and usr/lib/netsvc/yp/ypxfr patch  
4203989

109354-09: CDE 1.4: dtsession patch  
4239375 4344648 4316439 4335987 4293551 4389935 4392829 4353429 4386226 4448598

109374-02: SunOS 5.8: audioens driver patch  
4289079 4304954 4307758 4309820 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

109460-05: SunOS 5.8: socall and sf driver patch  
4137818 4259911 4285968 4296275 4300684 4301468 4303182 4304245 4307129 4307585  
4322210 4327372 4327766 4328635 4330062 4381613 4420576

109470-02: CDE 1.4: Actions Patch  
4326649 4353583

109472-06: SunOS 5.8: /kernel/drv/tcp patch  
4278842 4291034 4299644 4308728 4310189 4311938 4313189 4319441 4319681 4319717  
4324051 4330074 4332542 4360818 4370123 4375920 4376886 4400356

109524-05: SunOS 5.8: ssd driver patch  
4271068 4271069 4295457 4297348 4318239 4329996 4337798 4343075 4343747 4349893  
4352908 4353025 4353074 4354337 4356701 4357397 4367306 4375899 4384992 4397494

109529-06: SunOS 5.8: luxadm, liba5k and libg\_fc patch

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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-UTF8, 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: dhcpmgr help graphics not displayed correctly  
4330902

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

109582-01: CDE 1.4: sdtaudio patch  
4305400

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

109613-02: CDE 1.4: dtmail patch  
4336922 4133950 4362276 4372376

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  
4304790

109657-04: SunOS 5.8: isp driver patch  
4225880 4296113 4298594 4299727 4305985 4323441 4330876 4342019 4342469 4347100  
4362676 4363019 4363024 4384300

109667-03: SunOS 5.8: /usr/lib/inet/xntpd and /usr/sbin/ntpdate patch  
4279094 4320855 4330427

109679-01: SunOS 5.8: /usr/share/lib/smartcard/ibutton.jar patch  
4330248

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109692-03: SunOS 5.8: Information: File contents are out of date  
4339515 4345433 4350242

109695-02: 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: class action replacement scripts (SU2)

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

109748-01: CDE 1.4: sdtaudiocontrol patch  
4324012 4324019 4295904

109750-03: Solaris 8: translation update and sync with base team's PDA images  
4339505

109752-01: Solaris 8: UI of admintool is lost in partail 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  
4345748

109764-02: SunOS 5.8: /kernel/fs/hsfs and /kernel/fs/sparcv9/hsfs patch  
4305026 4328133

109766-02: SunOS 5.8: SUNWjxmft and SUNWjxcft patch for 8/10 dot font.  
4345078 4400714

109783-01: SunOS 5.8: /usr/lib/nfs/nfsd patch  
4305333 4325431

109785-01: SunOS 5.8: /etc/inittab patch  
4273366

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109793-07: SunOS 5.8: su patch  
 4242185 4284204 4293633 4305633 4329068 4329329 4331497 4333100 4334180 4351341  
 4352519 4354803 4356143 4357331 4358336 4362909 4394849

109803-01: SunOS 5.8: /usr/bin/du and /usr/xpg4/bin/du patch  
 4306228

109805-03: SunOS 5.8: pam\_krb5.so.1 patch  
 4330143 4351689 4373142

109807-01: SunOS 5.8: /usr/sbin/dumpadm patch  
 4340246

109809-01: SunOS 5.8: timezone data patch for Australasia  
 4313766

109813-01: SunOS 5.8: /usr/include/memory.h patch  
 4313659

109815-07: SunOS 5.8: se, acebus, pcf8574, pcf8591 and scsb patch  
 4304938 4308769 4319571 4320055 4333577 4335099 4335407 4338933 4341299 4342866  
 4343535 4343601 4345375 4346323 4353422 4353426 4353430 4354219 4354857 4354859 4358059  
 4358940 4364763 4365262 4367981 4368931 4375225 4376423 4379189 4383950 4384345 4385065  
 4391660 4393595 4396693 4401945 4402018 4412952 4417867 4417908 4418400 4418408 4420763  
 4421345 4424145 4437712

109862-01: X11 6.4.1 Font Server patch  
 4314299 4323233 4335325 4335328 4336593 4345905

109868-05: SunOS 5.8: WOS Help File Update  
 4338011 4350353 4419807

109872-01: SunOS 5.8: vis driver patch  
 4269556

109873-07: SunOS 5.8: prtdiag patch  
 4285559 4286659 4319714 4326851 4332032 4336443 4337039 4339157 4339689 4339732  
 4341185 4342594 4352438 4357014 4361157 4362289 4362805 4363440 4363858 4363997 4366980  
 4366986 4367573 4370121 4370746 4372567 4373616 4380560 4384142 4384394 4386281 4386308  
 4387908 4401725 4404968

109874-06: SunOS 5.8: audio patch  
 4246091 4271687 4291027 4304911 4305392 4307415 4311829 4327740 4329687 4332773  
 4333448 4339937 4348566 4350077 4353457 4353828 4368842 4382602

109876-02: SunOS 5.8: fd driver patch  
 4271682 4333588 4336201 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

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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 4345969 4363777 4364842 4376935 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 4331145 4331147 4334348 4334505 4337546 4338033  
4340982 4341851 4342624 4345567 4347753 4400052 4405933 4416758

109887-08: SunOS 5.8: smartcard patch  
4252211 4259952 4260074 4275177 4288077 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 4423901 4423932 4426474 4434303 4445519 4451847

109888-09: SunOS 5.8: platform drivers patch  
4184705 4282158 4282162 4282212 4298789 4298792 4298974 4300179 4302637 4309879  
4310136 4311755 4312461 4317174 4317841 4319122 4320338 4322734 4325336 4326197 4328374  
4329677 4333868 4333891 4333978 4334198 4334465 4334709 4335760 4337039 4345163 4346495  
4349747 4352438 4367126 4375285 4386595 4389036 4393883 4405240 4422232 4454748 4460897

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  
1167460 4241460 4250652 4257428 4270674 4271686 4275074 4275092 4275119 4275200  
4275205 4276209 4295173 4297052 4299441 4299456 4299460 4299467 4299470 4299621 4299631  
4301029 4301079 4301556 4308951 4309750 4310788 4314412 4314419 4328669 4328671 4329805  
4332425 4334210 4334506 4337450 4344459 4345596 4347469 4347728 4349418 4364900 4375134  
4380979

109893-02: SunOS 5.8: stc driver patch  
4255596 4309750

109894-01: SunOS 5.8: bpp patch  
4309750

109896-04: SunOS 5.8: USB patch  
4042931 4178572 4179082 4204158 4207634 4257491 4278766 4282084 4284408 4284481  
4288456 4290035 4290038 4290048 4295084 4297451 4297991 4298047 4299321 4299711 4300133  
4301110 4302435 4303153 4303369 4303371 4304019 4304060 4304250 4304253 4304383 4304968  
4305434 4305436 4305437 4305467 4305645 4305649 4305819 4306676 4307085 4307542 4308510

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4308511 4309328 4309368 4309566 4309916 4311023 4312163 4312381 4313650 4314164 4314166  
 4315368 4317503 4317522 4317527 4317528 4320410 4323024 4326037 4328542 4328590 4329325  
 4329560 4330021 4331700 4331710 4332033 4332613 4332707 4333879 4336235 4336592 4337149  
 4337561 4337816 4338525 4338614 4339292 4341714 4341839 4342024 4342426 4342488 4343230  
 4343443 4343762 4344107 4344121 4344122 4346249 4346254 4346963 4347288 4349013 4349282  
 4349339 4350113 4350570 4350901 4351268 4351426 4351707 4352101 4352931 4353264 4353820  
 4357035 4357915 4359440 4359658 4359875 4362924 4363252 4364427 4364575 4364748 4365137  
 4365848 4366523 4366874 4369166 4380154

109898-02: SunOS 5.8: /kernel/drv/arp patch  
 4291034 4299644 4302198 4308728 4311938

109900-02: SunOS 5.8: /etc/init.d/network and /sbin/ifparse patch  
 4209200 4291034 4299644 4308728 4311938 4382115

109902-03: SunOS 5.8: /usr/lib/inet/in.ndpd patch  
 4291034 4299644 4308728 4311938 4347223 4386544

109904-04: SunOS 5.8: /etc/default/mpathd and /sbin/in.mpathd patch  
 4291034 4299644 4308728 4311938 4314132 4328423 4338258 4338530 4347223 4369240  
 4386544

109906-06: SunOS 5.8: dhcpgent, dhcplinfo, ifconfig and netstat patch  
 4209200 4218277 4247106 4291034 4299644 4308728 4311938 4344914 4347223 4373331  
 4386544

109910-01: Help unlocalised for Winlst, Rem. Media Mgr. & Workspace Mgr.  
 4329353 4329355 4339080

109920-05: SunOS 5.8: pcic driver patch  
 4243709 4286161 4337039 4341224 4347834 4352356 4352663 4367607

109922-02: SunOS 5.8: pcelx, pcser and cs driver patch  
 4090692 4243709 4308863 4308870 4320108 4352663

109924-02: SunOS 5.8: pcata driver patch  
 4287520 4303758 4352663

109926-02: SunOS 5.8: /kernel/drv/pem and /kernel/drv/sparcv9/pem patch  
 4243709 4303863 4332477 4352663

109928-04: SunOS 5.8: pcmem and pcmcia patch  
 4243709 4265532 4280422 4303875 4337357 4339636 4352663 4355964

109931-02: CDE 1.4: sdtimage Patch  
 4345373 4396192

109933-01: SunOS 5.8: mv, cp, ln patch  
 4264701

109935-02: SunOS 5.8: libprtdiag\_psr.so.1 for SUNW,UltraSPARC-III-Netract patch  
 4338306 4353761 4353762 4364922

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109936-01: SunOS 5.8: /usr/bin/diff patch  
4338744

109951-01: SunOS 5.8: jserver buffer overflow  
4352777

109954-01: SunOS 5.8: /kernel/sys/pset and /kernel/sys/sparcv9/pset patch  
4352049

109960-01: CDE 1.4: sdtperfmer patch  
4341412 4290470 4280252

109990-01: SunOS 5.8: /usr/ccs/bin/dis patch  
4015840 4350263

109994-01: SunOS 5.8: /usr/bin/sparcv7/adb and /usr/bin/sparcv9/adb patch  
4015840 4350263

110019-04: SunOS 5.8: JFP install/sysadm messages patch  
4354350 4375794 4405716 4449597

110044-01: SunOS 5.8: iswalpha() can't work well in zh.GBK locale  
4355229

110065-01: SunOS 5.8: New features added to install  
4357775

110068-02: CDE 1.4: PDASync patch  
4341358 4335220 4367008

110075-01: SunOS 5.8: /kernel/drv/devinfo and /kernel/drv/sparcv9/devinfo patch  
4341354

110088-02: CDE 1.4: DtPower patch  
4354583 4336307 4370067 4372350 4374505 4374554

110127-02: SunOS 5.8: Generic Framebuffer configuration Graphics Patch  
4305334

110150-02: SunOS 5.8: rasctrl driver patch  
4351894 4364221

110165-02: SunOS 5.8: /usr/bin/sed patch  
4287555 4400740

110206-01: sdtwinlst and sdtgwm utf8 unlocalised  
4352861 4352800

110221-03: SunOS 5.8: Dcam1394 patch  
4365341 4349294 4372839 4382327

110269-01: SunOS 5.8: /usr/lib/libnisdb.so.2 patch  
4318294

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110274-03: SunOS 5.8:Figgs Custom install new features and install help  
4367029

110283-03: SunOS 5.8: mkfs and newfs patch  
4297460 4333516 4339330 4344221 4380132 4374181

110285-01: SunOS 5.8: consconfig\_dacf patch  
4350044

110286-02: OpenWindows 3.6.2: Tooltalk patch  
4334998 4379430 4363822

110320-01: SunOS 5.8: /kernel/misc/sparcv9/s1394 patch  
4362967

110322-01: SunOS 5.8: /usr/lib/netsvc/yp/ypbind patch  
4362647

110326-02: CDE 1.4: dtstyle patch  
4321874 4389935 4384360 4319599 4382452 4392829 4390631

110335-02: CDE 1.4: dtprintinfo patch  
4325603 4380805

110364-02: SunOS 5.8: Add L10N sdttypesbinder files  
4366984 4383627

110368-02: SunOS 5.8: pcf8574 driver patch for SUNW,Sun-Fire-280R  
4286659 4326851 4336443 4339732 4341185 4434341

110369-04: SunOS 5.8: sgc n patch  
4286659 4326851 4337039 4362703 4362745 4374123 4376376 4385014

110370-02: SunOS 5.8: usr\_platform patch  
4286659 4326851 4337039 4414560

110371-02: SunOS 5.8: serengeti support, Update3, sgfru patch  
4286659 4326851 4337039 4386526

110373-02: SunOS 5.8: sg sbbc patch  
4286659 4319715 4319724 4326851 4337039 4339009 4351116 4352174 4353000 4354331  
4354794 4363095 4363101 4367252 4370240 4398255 4401747

110374-06: SunOS 5.8: /platform/SUNW,Sun-Fire/kernel/drv/sparcv9/sgen v patch  
4286659 4319715 4319724 4326851 4337039 4339009 4345060 4351116 4354331 4370121  
4375808 4379057 4386281 4386308 4386526 4401805 4404305

110375-02: SunOS 5.8: serengeti support, Update3, ssm patch  
4286659 4319715 4319724 4326851 4339009 4351116 4352284 4354331 4370146 4370148  
4371549 4371993 4375901

110376-01: SunOS 5.8: littleneck support, usr\_platform patch, S8 Update 3

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4286659 4326851 4336443 4339732 4341185

110378-05: SunOS 5.8: mipagent patch Mobile IP

4278842 4302749 4310956 4313189 4317221 4320818 4324051 4335568 4360818 4370123  
4370438 4375915 4375920 4376886 4377368 4377693 4377694 4378163 4378727 4379361 4382946  
4382996 4382998 4383001 4383007 4386544 4390912 4391040 4392110

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:

4296770

110383-02: SunOS 5.8: libnvpair patch

4233832 4326110 4336779 4357245 4458516

110384-05: SunOS 5.8: RCM libraries & header patch

4233832 4326110 4336779 4357245 4363985 4364006 4364129 4373331 4375059 4375416  
4379314 4384391 4386436 4386544 4387223

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:

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

110418-01:

110423-02: SunOS 5.8: Japanese font patch

4349869 4426597

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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  
4282989 4349315 4401809 4435178

110458-02: SunOS 5.8: libcurses patch  
4313067 4398331

110460-08: SunOS 5.8: fruid/PICL plug-ins patch  
4286659 4326851 4336443 4339732 4341185 4358170 4358736 4361074 4361175 4363225  
4363846 4365022 4366798 4367556 4369058 4370374 4370505 4370718 4372341 4372567 4374731  
4375863 4381076 4382336 4382488 4384212 4384220 4384394 4384521 4385799 4387852 4387925  
4387926 4389250 4389946 4396092 4400130 4404281 4404295 4404426 4404992 4409825 4409888  
4413285 4414411 4418145 4429023 4433768 4454748

110461-01: SunOS 5.8: ttcompat patch  
4335144

110503-01: SunOS 5.8: Polish locale monetary incorrect  
4380484

110511-01: SunOS 5.8: rpc.nisd patch  
4326943

110603-01: CDE 1.4: sdtname patch  
4149628 4235799

110605-02: Motif 2.1.1 uil patch for Solaris 8  
4404810 4385838

110609-02: SunOS 5.8: cdio.h and command.h USB header patch  
4369151 4458516

110611-01: SunOS 5.8: lp.cat and postio ECP patch  
4310788 4329805 4349418 4364900

110615-01: SunOS 5.8: sendmail patch  
1119353 1254405 4086468 4304080 4317819 4329124 4329128 4329131 4332599 4344081  
4357054

110662-04: SunOS 5.8: ksh patch  
4286837 4356624 4379531 4422293 4446868 4457987

110668-01: SunOS 5.8: /usr/sbin/in.telnetd patch  
4366956 4375449

110670-01: SunOS 5.8: usr/sbin/static/rcp patch  
4366956 4375449

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110716-02: SunOS 5.8: Solaris Product Registry 3.0 patch  
4366927 4378201 4407526

110723-02: SunOS 5.8: eri Driver patch  
4363777 4364842 4376935 4378440 4386437 4389260 4412127

110724-01: SunOS 5.8: liblayout patch  
4393355

110745-01: SunOS 5.8: toolbox syntax correction  
4391812 4391778 4391779 4391781

110750-01: SunOS 5.8: TCX Graphics Patch  
4349827

110752-01: SunOS 5.8: Uninstaller doesn't come up with error messages  
4389792

110754-03: SunOS 5.8: UR3 new features WBEM updates

110756-02: SunOS 5.8: UR3 new features DCL updates  
4404182

110758-03: SunOS 5.8: UR3 new fatures SMC updates  
4398894 4404182

110764-03: SunOS 5.8: UR3 new features MGP updates  
4398893 4404182

110766-03: SunOS 5.8: s28\_u4 SUNW0mp update

110794-02: SunOS 5.8: dr\_daemon patch  
4250626 4254422 4299508 4355886 4356318 4357762 4375745

110797-02: SunOS 5.8: UR4 New int  
4389039 4384498 4399740 4420102

110811-01: SunOS 5.8: libnls patch  
4346460

110813-01: SunOS 5.8: libxfn patch  
4346471

110815-01: SunOS 5.8: libmp patch  
4346496

110817-01: SunOS 5.8: appttrace and interceptors patch  
4307470 4344373

110819-01: SunOS 5.8: us driver patch

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4370572

110820-03: SunOS 5.8: dman driver patch  
4352615 4356741 4356803 4363907 4378444 4381083 4384426 4387731 4388848 4399242  
4405711 4406097 4406900 4406902 4408062 4408453 4413586 4413590 4413592 4413593 4415373  
4416329 4421452

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

110826-03: SunOS 5.8: schpc driver patch  
4363907 4389226 4389669 4393561 4393772 4398474 4412060 4415707

110827-01: SunOS 5.8: scosmb driver patch  
4363907

110828-01: SunOS 5.8: sbbc driver patch  
4363907

110829-01: SunOS 5.8: todstarcat driver patch  
4363907

110830-01: SunOS 5.8: cvcd patch  
4363907

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

110834-02: SunOS 5.8: SUNW,Sun-Fire-15000 libprtdiag\_psr.so.1 patch  
4363907 4382538

110835-02: SunOS 5.8: gptwo\_cpu patch  
4363907 4405109

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

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4363907 4405109 4418093

110837-03: SunOS 5.8: efcode patch  
4363907 4393561 4393772 4398474 4405109

110838-02: SunOS 5.8: axq platform patch  
4363907 4409372 4418109

110839-01: SunOS 5.8: IP Multipathing RCM patch  
4373331

110840-02: SunOS 5.8: bbc patch  
4369175 4381743 4389945

110841-01: SunOS 5.8: gptwo patch  
4369175 4381743

110842-03: SunOS 5.8: hpc3130 driver patch for SUNW,Sun-Fire-880  
4369175 4371073 4381743 4434341

110843-02: SunOS 5.8: libprtdiag\_psr.so.1 patch for SUNW,Sun-Fire-880  
4369175 4381743 4408182

110844-02: SunOS 5.8: /platform/sun4u/kernel/drv/sparcv9/lm75 patch  
4369175 4381743 4434341

110845-03: SunOS 5.8: /platform/sun4u/kernel/drv/sparcv9/ltc1427 patch  
4369175 4381743 4396092 4404992 4409825 4409888 4434341

110846-02: SunOS 5.8: /platform/sun4u/kernel/drv/sparcv9/pcf8574 patch  
4369175 4381743 4434341

110847-02: SunOS 5.8: /platform/sun4u/kernel/drv/sparcv9/pcf8591 patch  
4369175 4381743 4434341

110848-02: SunOS 5.8: pcicfg patch  
4369175 4381743 4405109

110849-04: SunOS 5.8: PICL support for SUNW,Sun-Fire-880  
4369175 4381743 4386743 4391856 4396092 4397396 4397400 4398426 4399865 4402759  
4404295 4404953 4404992 4409825 4409888 4410173 4413285 4421202 4454748

110850-01: SunOS 5.8: sbdp patch  
4369175 4381743

110851-01: SunOS 5.8: ssc050 patch  
4369175 4381743

110852-02: SunOS 5.8: /platform/sun4u/kernel/drv/sparcv9/ssc100 patch  
4369175 4381743 4434341

110853-01: SunOS 5.8: usr\_platform patch  
4369175 4381743

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110854-02: SunOS 5.8: /platform/sun4u/kernel/drv/sparcv9/smbus\_ara patch  
4369175 4381743 4434341

110856-01: SunOS 5.8: /etc/inet/services patch  
4363907

110864-01: SunOS 5.8:Need to back port fixes for SUNW\_PKGLIST for ALC packages  
4402062

110867-01: SunOS 5.8:Need to back port fixes for SUNW\_PKGLIST for ALC packages  
4399082

110885-01: SunOS 5.8: JFP Solaris Product Registry 3.0 patch  
4405721

110888-01: SunOS 5.8 : s28u4\_06,figgs,New and updated message strings  
4406660 4407100

110896-01: SunOS 5.8: /usr/lib/fs/cachefs/mount patch  
4332446

110898-02: SunOS 5.8: csh/pfsh patch  
4384080 4404641

110900-01: SunOS 5.8: /platform/sun4u/kernel/misc/sparcv9/pcicfg.e patch  
4393561 4393772 4398474

110901-01: SunOS 5.8: /kernel/drv/sgen and /kernel/drv/sparcv9/sgen patch  
4319695 4325990

110903-01: SunOS 5.8: edit, ex, vedit, vi and view patch  
4059978 4320573

110905-01: SunOS 5.8: /usr/bin/find patch  
4354572

110907-01: SunOS 5.8: /usr/include/arpa/inet.h patch  
4345816

110910-01: SunOS 5.8: /usr/lib/fs/ufs/fsck patch  
4225018

110912-01: SunOS 5.8: cfgadm patch  
4301920 4301922 4301984 4387106

110914-01: SunOS 5.8: /usr/bin/tr patch  
4366964

110916-02: SunOS 5.8: sort patch  
4300461 4303258 4304444 4314724 4330831 4334641 4338929 4343080 4351862 4352007  
4357085 4366860 4389764 4404621

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110918-01: SunOS 5.8: openeepr patch  
4334314

110927-01: SunOS 5.8: Need to backport fixes in SUNW\_PKGLIST in s8u4  
4399235

110934-03: SunOS 5.8: pkgtrans, pkgadd, pkgchk and libpkg.a patch  
4025718 4318844 4331907 4451305

110939-01: SunOS 5.8: /usr/lib/acct/closewtmp patch  
4352064

110941-01: SunOS 5.8: sar and sadc patch  
4026830

110943-01: SunOS 5.8: /usr/bin/tcsh patch  
4384076

110945-01: SunOS 5.8: /usr/sbin/syslogd patch  
4309712 4323101 4336917 4337337 4345133 4345785 4353901 4357732 4374785 4386798

110949-01: SunOS 5.8: /usr/sadm/install/bin/pkgremove patch  
4386585

110951-01: SunOS 5.8: /usr/sbin/tar and /usr/sbin/static/tar patch  
4063224

110953-01: SunOS 5.8: llc2 driver patch  
4375787

110955-01: SunOS 5.8: /kernel/strmod/timod patch  
4380632

110957-01: SunOS 5.8: /usr/bin/mailx patch  
4350331

110986-02: SunOS 5.8: SMC help fix  
4354567 4366476 4384181

110988-04: SunOS 5.8: SPECIAL PATCH: procedural scripts (SU5)  
4406401 4394560 4406620 4433365

111008-04: SunOS 5.8: Update SUNW\*reg to sync with base changes for S8UR5  
4410946 4414341

111016-01: SunOS 5.8: /usr/bin/sdiff patch  
4355588

111018-01: SunOS 5.8: /etc/driver\_aliases patch for gpio  
4395277

111019-06: SunOS 5.8: SPECIAL PATCH: class action replacement scripts (SU5)  
4299534 1264523 4247106 4400356 4400359 4421127 4421892 4402928 4423865

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111021-03: SunOS 5.8: SPECIAL PATCH: editable file replacements (SU5)  
4299534 1264523 4247106

111023-01: SunOS 5.8: /kernel/fs/mntfs and /kernel/fs/sparcv9/mntfs patch  
4367486

111035-01: SunOS 5.8: /kernel/sys/doorfs and /kernel/sys/sparcv9/doorfs patch  
4273536 4321534 4385972

111049-02: SunOS 5.8: patch /platform/SUNW,Ultra-Enterprise-10000/lib/cvcd  
4285908 4362110

111069-01: SunOS 5.8: bsmunconv overwrites root cron tab if cu created /tmp/root  
4383308

111071-01: SunOS 5.8: cu patch  
4406722

111073-01: SunOS 5.8: re\_comp header patch  
4345842

111075-02: X11 6.4.1: keyboards patch  
4395929 4405756 4422290 4434254

111085-01: SunOS 5.8: /bin/login misses failure when logging to /var/adm/loginlog  
4291278

111088-02: SunOS 5.8: mdb patch  
4367773 4374045

111090-01: SunOS 5.8: ldap backend doesn't search multiple paths  
4359656

111098-01: SunOS 5.8: ROC timezone should be avoided for political reasons  
4411173

111111-01: SunOS 5.8: nawk line length limit corrupts patch dependency checking  
4395685

111141-01: SunOS 5.8: last doesn't work correctly for more than 256 users login  
4353938

111177-03: SunOS 5.8: /usr/lib/lwp/libthread.so.1 patch  
4305389 4336933 4371624 4390345 4393363 4407002 4421186 4441422

111197-01: SunOS 5.8: nfs mount of a file > 2GB is impossible  
4389722

111225-01: SunOS 5.8: tail reserves 2G when reading from a stdin  
4348627

111231-02: SunOS 5.8: Solaris user registration patch

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4382052 4428154

111232-01: SunOS 5.8: patch in.fingerd  
4298915

111234-01: SunOS 5.8: patch finger  
4298986

111265-01: SunOS 5.8: patch who  
4384285

111267-02: SunOS 5.8: /kernel/fs/specfs patch  
1101389 4445656

111269-02: SunOS 5.8: Solaris Management Console patch  
4354567 4394572

111275-01: SunOS 5.8: New features Solaris 8 Update 5 European  
4451579 4355669 4437042

111293-03: SunOS 5.8: /usr/lib/libdevinfo.so.1 patch  
4226932 4423315 4461872

111295-01: SunOS 5.8: /usr/bin/sparcv7/pstack & /usr/bin/sparcv9/pstack patch  
4393386 4399452 4400361

111297-01: SunOS 5.8: /usr/lib/libsendfile.so.1 patch  
4400361

111299-01: SunOS 5.8: PPP patch  
1264523 4098801 4410142

111302-01: SunOS 5.8: EDHCP libraries patch  
4247106 4404390 4406599

111304-01: SunOS 5.8: /kernel/misc/nfs\_dlboot patch  
4247106

111306-01: SunOS 5.8: /usr/platform/sun4{d,m,u}/lib/fs/nfs/inetboot patch  
4247106

111308-01: SunOS 5.8: /usr/lib/libmtmalloc.so.1 patch  
4247106

111310-01: SunOS 5.8: /usr/lib/libdhcagent.so.1 patch  
4247106

111313-01: SunOS 5.8: Viper tools are very slow to load  
4415738

111317-01: SunOS 5.8: /sbin/init and /usr/sbin/init patch  
4350392

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111319-01: SunOS 5.8: /usr/sbin/in.rdisc patch  
4304158

111321-01: SunOS 5.8: /kernel/misc/klmops patch  
4372812

111323-01: SunOS 5.8: /usr/xpg4/bin/more patch  
4373943

111325-01: SunOS 5.8: /usr/lib/saf/ttymon patch  
4246300

111327-01: SunOS 5.8: libsocket patch  
4356490

111332-01: SunOS 5.8: /usr/lib/dcs patch  
4402784

111335-01: SunOS 5.8: dr, drmach, gptwo\_pci and sc\_gptwocfg drivers patch  
4385107 4397382 4399138 4399165 4400692 4404492 4404532 4406374 4406903 4407043  
4407520 4409977 4412070 4414010 4416528 4416546 4418267 4418315 4419158 4419171 4421238  
4422946 4423982

111337-01: SunOS 5.8: /usr/sbin/ocfserv patch  
4429492

111363-01: SunOS 5.8: /usr/sbin/installf patch  
4394391

111368-01: SunOS 5.8: /usr/bin/groups patch  
4423602

111380-01: solregis: Japanese message patch  
4449182

111382-01: X11 6.4.1: keyboards patch  
4434254

111398-01: SunOS 5.8: parse\_dynamic\_clustertoc needs to use dynamic\_tests  
4430962

111400-01: SunOS 5.8: KCMS configure tool has a security vulnerability  
4415570

111481-01: OpenWindows 3.6.2: clock Patch  
4443940

111503-01: SunOS 5.8: libpiclcnvd.so.1 patch for SUNW,Sun-Blade-100  
4454748

111548-01: SunOS 5.8: catman, man, whatis, apropos and makewhatis patch  
4392144 4434978

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