



Solaris 8 (SPARC Platform Edition) 10/00 Release Notes Update

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Preface

The *Solaris™ 8 (SPARC™ Platform Edition) 10/00 Release Notes Update* contains installation problem details and other information that were not available until immediately before the release of the Solaris 8 10/00 operating environment.

Note - The information in this document pertains to the SPARC platform. It also pertains to both the 64-bit and 32-bit address spaces unless called out in a special chapter, section, note, bullet, figure, table, example, or code example.

Who Should Use This Book

These notes are for users and system administrators who are installing and using the Solaris 8 10/00 operating environment.

Related Books

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

- *Solaris 8 Start Here*
- *Solaris 8 (SPARC Platform Edition) Installation Guide*
- *Solaris 8 Advanced Installation Guide*
- *Solaris 8 Installation Supplement*
- The Solaris 8 10/00 release notes are available:

- In the Solaris 8 10/00 Release Documents Collection on the Solaris 8 10/00 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 10/00 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.

Ordering Sun Documents

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Installation Issues

This chapter describes problems relating to the installation of the Solaris 8 10/00 operating environment.

Note - The name of this product is Solaris 8 10/00, 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.

Note - In the HTML version of the *Solaris 8 Advanced Installation Guide* on the Solaris 8 Documentation CD, pages were dropped. To read the complete *Solaris 8 Advanced Installation Guide*, refer to:

- The PDF version on the Solaris 8 Documentation CD
 - The AnswerBook2 version on the Solaris 8 Documentation CD
 - <http://docs.sun.com>
-

System Identification Bugs

System Identification Tools Fail to Verify Name Server (4265363)

If you are configuring the name service (NIS+, NIS or DNS) on a system and the name server(s) exist on another subnet and the router does not broadcast its route, then the system identification tools fail to verify the name server.

If you choose DNS as the name service, the installation program prompts you to accept the unverified data and continue. If you choose NIS+ or NIS as the name service, the system identification cannot continue without verification and the name service cannot be configured during installation.

Workaround: Choose one of the following workarounds.

1. If you are installing using a graphical interface, open a terminal window and type the following command to add a router:

```
# route add default <ip_address_of_router>
```

2. If you are installing using a command line interface, choose `nameservice = none`. After the installation is complete, create the `/etc/defaultrouter` file and run `sys-unconfig`.

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

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

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

If you use the Solaris 8 10/00 Installation CD to install the Solaris 8 10/00 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 10/00 Software 1 of 2 CD to launch an Interactive Installation of the Solaris 8 10/00 operating environment. Specify that the system is networked, and then select the alternate network interface to use for system identification from the list provided.

Issues You Need to Know About Before Installing Solaris 8 Software

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 have more freedom to customize the configuration of your system when you install the Solaris 8 operating environment more than was possible 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.

Upgrade Issues

Priority Paging Is Not Needed With the New Solaris 8 Caching Architecture

The Solaris 8 operating environment introduces a new file system caching architecture, which subsumes the Solaris 7 Priority Paging functionality. You should not set the system variable `priority_paging` in the Solaris 8 operating environment, and you should remove the variable from the `/etc/system` file when systems are upgraded to the Solaris 8 operating environment.

The new caching architecture removes most of the pressure on the virtual memory system that resulted from file system activity. As a result, the new caching architecture changes the dynamics of the memory paging statistics, which makes observing system memory characteristics simpler. However, several of the statistics report significantly different values. You should consider these differences when analyzing memory behavior or setting performance monitoring thresholds. The most notable differences are:

- The number of page reclaims is higher, which you should consider normal operation during heavy file system activity.
- The amount of free memory is higher because the free memory count now includes a large component of the file system cache.
- Scan rates are almost zero unless there is a shortage of system-wide available memory. Scanning is no longer used to replace the free list during normal file system I/O.

Installation Bugs That Occur During an Upgrade

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 SUNWwbn
```

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 10/00 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:

- SUNWceoux
- SUNWeeoux
- SUNWneoux
- SUNWseoux
- SUNWweoux

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

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

TABLE 1-1 Minimum Firmware Versions Required to Run 64-bit Solaris Operating Environment on UltraSPARC Systems *(continued)*

System Type From <code>uname -i</code>	Minimum Firmware Version From <code>prtconf -v</code>
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

Turkish Locale Does Not Install From Solaris 8 1 of 2 CD (4359095)

The Turkish locale does not install when using Solaris 8 1 of 2 CD. The following error message appears:

```
couldn't set locale correctly
```

Workaround: Install through the C language and add Turkish Support.

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 10/00 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.ISO8859-15>.
    file type <s> expected <d> actual
    unable to remove existing directory at
</a/usr/openwin/share/locale/de.ISO8859-15>
....
Installation of <SUNWplow> partially failed.
pkgadd return code = 2

Doing pkgadd of SUNWpldte to /.
WARNING: /a/usr/dt/appconfig/types/de.ISO8859-15
may not overwrite a populated directory.
.....
pkgadd: ERROR: /a/usr/dt/appconfig/types/de.ISO8859-15
could not be installed.
.....
Installation of <SUNWpldte> partially failed.
pkgadd return code = 2
```

This warning occurs because the patch switches the affected directories 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 10/00 Documentation CD and in the Installation Kiosk on the Solaris 8 10/00 Installation CD.

- Netscape Communicator Vulnerability issue
- Bug ID 4362647
- Bug ID 4360521
- Bug ID 4355643
- Bug ID 4342801

Note - The name of this product is Solaris 8 10/00, 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 Update Issues

Netscape Communicator Vulnerability

An exploit referred to as "Brown Orifice" creates an HTTP server as a Java applet, which has the effect of turning the Netscape browser into a web server. This allows remote users to access local and networked files. These files include URLs located behind firewalls using "file://", "http://", "https://", "ftp://", and other types of connections. There are no symptoms that would show the problem has occurred.

This is not an architectural problem with the Java security model.

Netscape Communicator versions 4.04 through 4.74 are affected. For more information on this vulnerability see CERT advisory CA-2000-15 at: <http://www.cert.org/advisories/CA-2000-15.html>

To correct this issue download and install Netscape Communicator version 4.75 from: <http://www.sun.com/software/solaris/netscape>

Security Update Bugs

ypbind Buffer OverFlow Can Allow Root Privileges (4362647)

ypbind has a buffer overflow which can be exploited remotely to gain root access on the compromised system.

Workaround: To prevent this problem, apply patch 110322-01 .

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

sdtwinlst (Window List) and sdtgwm (Windows Manager) Icons Are Missing from desktop_apps (4360521)

The sdtwinlst (Window List) and sdtgwm (Windows Manager) icons do not appear in Application Manager. A generic icon is displayed instead. The reason is that two action files, sdtgwm.dt and sdtwinlst.dt, are missing from the directory /usr/dt/appconfig/types/C.

Workaround: To add the missing icons:

1. Create a new file in /usr/dt/appconfig/type/C and name it sdtgwm.dt.
2. Edit this file and insert the following text:

```
ACTION SDtgwm
{
  LABEL      GWM
  TYPE       COMMAND
  EXEC_STRING sdtgwm
  ICON       SDtgwm
  WINDOW_TYPE NO_STDIO
}
```

3. Create a new file in /usr/dt/appconfig/type/C and name it sdtwinlst.dt.
4. Edit this file and insert the following text:

```
ACTION SDtWinLst
{
  LABEL      Window List
  TYPE       COMMAND
  EXEC_STRING sdtwinlst
  ICON       SDtWinLst
  WINDOW_TYPE NO_STDIO
}
```

5. To verify all actions have been reloaded, exit the CDE session and log in again.

Volume Manager Might Fail To Mount CDROM (4355643)

A CDROM with an unusual data layout might fail to mount automatically. The File Manager Window might not display the CDROM's contents after it is inserted into the drive.

Workaround: Mount the CDROM manually:

1. Become root.
2. Stop the volume manager:

```
/etc/init.d/volmgt stop
```

3. Mount the CDROM:

```
mount -F hfs -r device_pathname /mnt
```

Where *device_pathname* is the pathname to where in the system the CDROM drive is connected to. For example, `/dev/dsk/c0t6d0s0`.

Note - CDROM drives are typically connected to `c0t6d0s0` or to `c0t2d0s0` at the factory, but you must use the correct pathname for this command to work.

4. Restart the volume manager:

```
/etc/init.d/volmgt start
```

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.

```
% volrmmount -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

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/log
```

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
```

mofcomp Fails Due to a WBEM JavaSpaces Problem (4336719)

When running either `/usr/sadm/bin/mofcomp` or `/usr/sadm/bin/wbemadmin` the following error message may appear:

```
NO_SUCH_QUALIFIER1: Qualifier association not found.
```

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. Rename the JavaSpaces log directory.

```
# mv /var/sadm/wbem/log /var/sadm/wbem/logprepatch
```

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
```

WBEM Common Information Model Object Manager Crashes When Solaris_FileSystem Instances Are Requested (4301275)

If you enumerate instances of the `Solaris_FileSystem` class by using CIM WorkShop or the WBEM APIs, then the CIMOM no longer runs and the following error message is displayed:

```
Attempted to complete RMI action
enumInstances and received exception
java.rmi.UnmarshalException: Error
```

(continued)

```
unmarshaling return header; nested
exception is:
java.io.EOFException
```

Workaround: In superuser mode, restart the CIMOM by typing the following command:

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

Hardware Configuration Bugs

Systems With Small Memory Configurations Panic During Boot Time If They Have Several USB Devices (4359440)

USB capable systems with small memory configurations might panic when booting from either disk, CD or a network when several USB devices are connected. One of the following panic messages will appear in this event:

```
panic[cpu0]/thread=1040800: main: unable to fork init.
```

or

```
panic[cpu0]/thread=2a1000fdd40: BAD TRAP: type=31
rp=2a1000fd0a0 addr=c0 mmu_fsr=0 occurred in module "genunix" due
to a NULL pointer dereference
```

Workaround: If you have more than 4 USB devices, boot the system with only the USB keyboard and mouse connected. After you see the Solaris login prompt, connect the remaining USB devices.

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.

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.

Performance Issue

Direct Memory Access (DMA) Is Disabled On PCI-IDE Systems

By default, the Solaris `ata` device driver has the DMA feature disabled for ATA/ATAPI devices.

This feature has been disabled to avoid problems on some systems that do not properly support DMA on ATA/ATAPI drives. Most of the problems are related to an outdated system BIOS.

To enable (or disable) DMA for the `ata` driver after an installation of the Solaris 8 operating environment:

1. Run the Solaris (Intel Platform Edition) Device Configuration Assistant from the boot diskette or the installation CD (if your system supports CD-ROM booting).

Note - When booting with the boot diskette, the new `ata-dma-enabled` property value will be preserved on the diskette. Therefore, the changed value is in effect when reusing the boot diskette.

2. Press `F2_Continue` to scan for devices.
3. Press `F2_Continue` to display a list of boot devices.
4. Press `F4_Boot Tasks`, select `View/Edit Property Settings`, and press `F2_Continue`.
5. Change the value of the `ata-dma-enabled` property to 1 to enable DMA (a value of 0 disables DMA):
 - a. Select the `ata-dma-enabled` property from the list and press `F3_Change`.
 - b. Type `1` and press `F2_Continue` to enable (type `0` and press `F2_Continue` to disable).
 - c. Press `F2_Back`, then `F3_Back` to return to the Boot Solaris menu.
 - d. Select the device from which you want to install (network adapter or CD-ROM drive) and press `F2_Continue`.

Note - If any problems occur after enabling DMA, disable DMA (set the `ata-dma-enabled` property to 0 using the above procedure), update your system with the latest BIOS from your hardware manufacturer, and then re-enable DMA.

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

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.

UTF-8 Version of `sdtwinlst` and `sdtgwm` Are Not Localized For European Languages (4352800, 4352861)

`sdtwinlst` (Windows List) and `sdtgwm` (Graphical Workspace Manager) are unlocalized in UTF-8 selected encodings for European languages.

Workaround: Login to an ISO8859-1 encoding, then run `sdtwinlst` and `sdtgwm`.

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
  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:

```
# fsl4 class (Thai)
fsl4 {
    charset          TIS620.2533-0:GR
    font {
        # load_option delay_nocheck <--- comment out
        primary      TIS620.2533-0:GR
    }
}
```

Several Screens in The Smart Card Application Have Not Been Localized (4304495)

Several screens in the Smart Card application are not fully localized.

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

SEAM Application Displays Messages That Are Not Localized (4306619)

SEAM uses some of the resource files in the Solaris 8 operating environment, but only when the Kerberos settings are selected during an installation.

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 `dumpcs` at the console prompt. Then copy and paste the Euro currency symbol.

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

Sorting in the European UTF-8 locales 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.

Late-Breaking News

This chapter includes information on new features that arrived too late to be included in the Solaris 8 documentation set. For information on new features in the Solaris 8 10/00 operating environment, refer to the Solaris 8 10/00 Update AnswerBook Collection on <http://docs.sun.com>.

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. No new end-of-software support statements have been added since this document was published on the Solaris 8 10/00Documentation CD and in the Installation Kiosk on the Solaris 8 10/00 Installation CD.

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 with the Solaris 8 operating environment. 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. While it may be possible to manually edit configuration files to enable diskless clients, such an operation is not recommended or supported.

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

GMT Zoneinfo Timezones

The zoneinfo timezones in the following left column 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 in the left column with the equivalent timezones in the right column.

Note - When setting the `TZ` environment variable to a zoneinfo GMT[+]* timezone, the timezone must be preceded with a colon (':') character. For example, replace the zoneinfo timezone setting `TZ=:GMT+1`, which is 1 hour east of the Prime Meridian, with the equivalent zoneinfo timezone setting `TZ=:Etc/GMT-1`.

The planned removal of the zoneinfo GMT[+]* timezones does not affect POSIX-style GMT[+]* timezone settings, for example `TZ=GMT+1` (without the colon character). An equivalent zoneinfo timezone, located under `/usr/share/lib/zoneinfo/Etc` and with the same name, may be used instead. The POSIX-style timezone only displays the string "GMT" in the abbreviated timezone name, while the zoneinfo timezone displays the offset from GMT. For example, replace the POSIX-style timezone setting, `TZ=GMT+1`, with the equivalent zoneinfo timezone setting `TZ=:Etc/GMT+1`.

See `environ.5` and `zoneinfo.4` for more information.

TABLE 4-1 GMT zoneinfo Timezones

zoneinfo Timezone Which May Be Removed in a Future Release	Replace Usage With Equivalent zoneinfo Timezone
GMT-12	Etc/GMT+12
GMT-11	Etc/GMT+11
GMT-10	Etc/GMT+10
GMT-9	Etc/GMT+9
GMT-8	Etc/GMT+8
GMT-7	Etc/GMT+7
GMT-6	Etc/GMT+6
GMT-5	Etc/GMT+5

TABLE 4-1 GMT zoneinfo Timezones *(continued)*

zoneinfo Timezone Which May Be Removed in a Future Release	Replace Usage With Equivalent zoneinfo Timezone
GMT-4	Etc/GMT+4
GMT-3	Etc/GMT+3
GMT-2	Etc/GMT+2
GMT-1	Etc/GMT+1
GMT+1	Etc/GMT-1
GMT+2	Etc/GMT-2
GMT+3	Etc/GMT-3
GMT+4	Etc/GMT-4
GMT+5	Etc/GMT-5
GMT+6	Etc/GMT-6
GMT+7	Etc/GMT-7
GMT+8	Etc/GMT-8
GMT+9	Etc/GMT-9
GMT+10	Etc/GMT-10
GMT+11	Etc/GMT-11
GMT+12	Etc/GMT-12
GMT+13	Etc/GMT-13

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. This functionality has been replaced by the Solaris Web-Based Enterprise Management (WBEM) Services feature that is released as part of the Solaris 8 operating environment.

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 version 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).

JDK 1.1.x and JRE 1.1.x

Version 1.1.x of the JDK and JRE may no longer be supported in a future release. Near-equivalent functionality is supported by Java 2 Standard Edition, versions 1.2 onwards.

SUNWrdm

The SUNWrdm 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 Update 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 may want to migrate to the Motif toolkit. To disable the warning message, use `#define OWTOOLKIT_WARNING_DISABLED` or `-D`.

OpenWindows Environment For Users

The OpenWindows environment may no longer be supported in a future release. You may 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. The following documentation issues have been added to this chapter since this document was published on the Solaris 8 10/00 Documentation CD and in the Installation Kiosk on the Solaris 8 10/00 Installation CD.

- CDE User's Guide in AnswerBook2

Note - The name of this product is Solaris 8 10/00, 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

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

Some graphics in the *CDE User'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: “Full Backup Commands” in *Solaris 8 (SPARC Platform Edition) Installation Guide*

The commands in Table 3–3 in “Full Backup Commands” in *Solaris 8 (SPARC Platform Edition) Installation Guide* are incorrect. They should read as follows:

TABLE 5–1 Backup Commands

To make a full backup on a	Use this command
Local cartridge tape drive	<code>ufsdump 9ucf /dev/rmt/n files_to_backup</code>
Remote cartridge tape drive	<code>ufsdump 0ucf remote_host:/dev/rmt/n files_to_backup</code>

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_rmdir_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 nsize*. 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.

Document Affected: `sdtgwm(1)` man page (4330198)

The `-w` option described in the man page `sdtgwm(1)` is not supported in the Solaris 8 10/00 operating environment.

Document Affected: “To Create a Boot Server on a Subnet” in “Creating an Install Server and a Boot Server” in *Solaris 8 Advanced Installation Guide* (4327931)

The instructions to create a boot server over a subnet incorrectly direct you to use the Solaris 8 Software 2 of 2 CD and the Solaris 8 Languages CD. If you follow these instructions, the following error message is displayed.

```
An existing install server cannot be found at /image_name.  
This tool can only add packages to an install server that already exists.
```

When following the instructions "To Create a Boot Server on a Subnet" in the “Creating an Install Server and a Boot Server” in *Solaris 8 Advanced Installation Guide*, skip Steps 6 through 15.

CERT Advisories

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

TABLE 6-1 CERT Advisories

CERT Advisory	Topic	Fix Integrated in OS Version	Comments
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)*

CERT Advisory	Topic	Fix Integrated in OS Version	Comments
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_fs	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)*

CERT Advisory	Topic	Fix Integrated in OS Version	Comments
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	innd	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)*

CERT Advisory	Topic	Fix Integrated in OS Version	Comments
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)*

CERT Advisory	Topic	Fix Integrated in OS Version	Comments
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) 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)*

CERT Advisory	Topic	Fix Integrated in OS Version	Comments
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

The patches listed in this appendix have been applied to the Solaris 8 10/00 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 10/00 operating environment was created. Therefore, these patches are not located in the `/var/sadm/patch` directory.

The `showrev -p` command provides a list of all patches applied to the installed system regardless of how they were applied. The Solaris 8 10/00 operating environment includes a known and tested level of patches; however, patches cannot be backed out of the Solaris 8 10/00 operating environment.

Patch List

```
108528-03 : SunOS 5.8: kernel update patch
4015840 4044653 4226443 4233718 4234426 4256799 4259051 4261064 4262842 4262930
4265649 4269556 4271726 4271733 4271738 4272737 4279959 4282158 4282212 4290073 4291601
4293528 4295776 4296081 4296124 4296961 4298256 4298789 4298790 4298792 4298794 4299504
4299838 4300179 4301117 4301683 4302637 4302919 4303474 4303649 4304033 4304696 4305131
4305365 4305709 4305817 4306004 4306367 4307062 4307080 4307475 4307747 4307771 4307827
4308242 4308245 4308370 4309011 4309719 4309750 4309802 4309818 4310864 4311081 4311134
```

(continued)

4311755 4312278 4312461 4312641 4312876 4313235 4313746 4313747 4314201 4314488 4314616
4316672 4317174 4317476 4319122 4319440 4320297 4320338 4320653 4324244 4324250 4325075
4325225 4325336 4325722 4325730 4325934 4326076 4327330 4328843 4330206 4330301 4331384
4331496 4331884 4332219 4332521 4333138 4333882 4334198 4334346 4334348 4334462 4334505
4335251 4335837 4336156 4336182 4337543 4337637 4337951 4338033 4339235 4339354 4340131
4340385 4341714 4343039 4343189 4343237 4343443 4344008 4345163 4345667 4346167 4346495
4346875 4347358 4347359 4349102 4349393 4350263 4350354 4351877 4352611 4353353 4353449
4357646

108569-02 : X11 6.4.1:
4335033 4346835

108576-06 : 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

108604-10 : SunOS 5.8: Elite3D AFB Graphics Patch
4234045 4294963 4300089 4303885 4308725 4314165 4317186 4318450 4318781 4301100
4326599 4300698 4331783 4332163 4337138 4345380 4346269

108605-10 : 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 4346269

108606-07 : SunOS 5.8: M64 Graphics Patch
4346365 4346366 4323033 4330240 4339896 4344317 4339609 4348035 4348038 4355633
4357093 4346269 4353922

108609-01 : SunOS 5.8: Buttons/Dials Patch
4299526

108652-15 : 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

108664-04 : SunOS 5.8: Support for SME platforms
4298987 4309134 4321825

108680-02 : SunOS 5.8: SuperIO 307 (plug-n-play) device drivers
4252667 4306404

108711-04 : Solaris 8: Misssing Catalan Locale Support
4305956 4328876 4337258

108714-02 : CDE 1.4: libDtWidget patch
4289349 4321189

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

(continued)

4126922

108725-02 : SunOS 5.8: st driver patch
4180382 4258222 4270641 4319238

108727-04 : SunOS 5.8: /kernel/fs/nfs and /kernel/fs/sparcv9/nfs patch
4193748 4249187 4276984 4293528 4331346

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

108735-02 : u.RU.KO18-R : Cannot cut and paste cyrillic between dtapps
4307614 4325497 4328876

108781-01 : Solaris 8: Get UDCTool to work for zh_TW
4307173

108806-02 : Solaris 8: Sun Quad FastEthernet qfe driver
4306341 4301636 4321069 4321602

108808-10 : SunOS 5.8: Manual Page updates for Solaris 8
4317975 4352046 4353279 4338576 4314390 4345863 4325356 4311374 4312130 4323321
4323394 4314114 4310895

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

108827-04 : SunOS 5.8: libthread patch
4091466 4288299 4307551 4311948

108833-04 : SunOS 5.8: X Windows software, PC keytables
4286023 4309431 4351910 4359774

108835-01 : CDE 1.4: dtcm patch
4285729

108869-02 : SunOS 5.8: snmpdx/mibiisa/libssasmp/snmplib patch
4299328 4301970 4309416 4333417

108874-01 : SunOS 5.8: fhc driver patch
4304051

108875-07 : SunOS 5.8: c2audit patch
4224166 4290575 4307306 4308525 4322741 4325997 4336689 4336959 4339611 4344275

108897-01 : X11 6.4.1 Xprint patch:
4305734

(continued)

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

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

108909-05 : CDE 1.4: Smart Card Administration GUI patch
4301377 4301411 4310298 4330268 4350318 4353115

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

108919-02 : CDE 1.4: dtlogin patch
4072784 4293300 4302209 4299160

108921-06 : CDE 1.4: dtwm patch
4306589 4311842 4301522 4299651 4300013 4261430 4330496 4335592 4335971

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

108925-07 : Solaris 8: New Messages for new I18N projects
4331886 4351024

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

108940-09 : Motif 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

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

108949-03 : CDE 1.4: libDtHelp/libDtSvc patch
4298416 4307660 4345282

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

108960-01 : SunOS 5.8: Patch for sysidnet
4310705

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

108964-03 : SunOS 5.8: /usr/sbin/snoop patch
1110881 4297326 4297676 4313760 4315280 4317713 4321696 4321713 4321720 4321721
4321723 4321725 4321726 4322042 4322055 4322058 4322060 4322064 4322200 4322670

(continued)

108966-03 : SunOS 5.8: /kernel/fs/ufs and /kernel/fs/sparcv9/ufs patch
4278679 4293528 4324900

108968-02 : 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

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

108974-06 : SunOS 5.8: dada, uata, dad, sd and scsi patch
4102203 4231195 4231208 4237299 4262676 4263164 4271068 4271069 4275749 4279959
4284198 4285368 4285546 4291601 4297348 4302559 4304790 4305131 4305767 4313216 4313235
4325722 4325730 4328843 4329580 4335919 4337637 4346167 4348075

108975-03 : SunOS 5.8: /usr/bin/rmformat and /usr/sbin/format patch
4242879 4292212 4304790 4308431 4311553 4322206

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

108979-10 : SunOS 5.8: platform nexus, I2C, Netra ct and link modules patch
4236043 4242051 4253713 4255980 4261567 4262685 4271733 4271738 4272737 4275177
4276021 4278935 4284196 4290269 4290532 4295047 4302637 4303126 4305392 4306367 4307062
4307080 4307697 4307747 4307827 4308807 4309011 4309750 4309761 4309802 4309818 4310864
4311126 4311134 4312838 4312937 4314121 4314488 4314656 4314662 4314936 4315098 4315100
4315101 4316683 4317657 4317667 4318351 4318358 4318728 4318747 4319122 4320047 4320440
4320471 4320547 4322424 4322734 4324244 4324250 4325366 4327135 4327674 4327795 4328225
4328669 4328671 4329112 4330014 4330027 4330429 4330774 4330882 4331744 4332425 4334198
4334348 4334505 4335109 4336274 4336303 4336323 4336906 4338033 4338035 4342756 4343391
4343480 4344042 4350726 4355538 4356615 4357216 4357714

108981-03 : SunOS 5.8: /kernel/drv/hme and /kernel/drv/sparcv9/hme patch
4247473 4305997 4327121 4327720

108982-05 : SunOS 5.8: fctl/fp/fcp/usoc driver patch
4291069 4294605 4298666 4298671 4298676 4298680 4298689 4298693 4298699 4299785
4300943 4300953 4302739 4304902 4323071 4324847 4331095 4342080 4342091 4342847

108983-05 : SunOS 5.8: fcip patch
4304890 4319582 4320876 4337691 4342080 4342091 4342847 4358603

108984-02 : SunOS 5.8: qlc adb macros patch
4264323 4278254 4300470 4300943 4300953 4302087 4304897 4324126 4324180 4324192
4324478

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

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- 108987-02 : SunOS 5.8: Patch for patchadd and patchrm
4115232 4278860 4292990 4299710 4303509 4304640 4311375 4319950 4330590
- 108989-02 : SunOS 5.8: /usr/kernel/sys/acctctl and /usr/kernel/sys/exacctsys patch
4305365 4312278 4313746 4313747 4314201
- 108991-05 : SunOS 5.8: libc and watchmalloc patch
4193683 4225913 4291844 4292683 4303962 4310353 4312278 4314913
- 108993-01 : SunOS 5.8: nss and ldap patch
4312278
- 108995-01 : SunOS 5.8: /usr/lib/libproc.so.1 patch
4312278
- 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
- 109005-01 : SunOS 5.8: /sbin/su.static and /usr/bin/su patch
4312278
- 109007-02 : SunOS 5.8: at/atrm/batch/cron patch
4304184 4312278
- 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
4312278
- 109017-01 : SunOS 5.8: /usr/bin/pgrep and /usr/bin/pkill patch
4312278
- 109019-01 : SunOS 5.8: /usr/bin/priocntl patch
4312278
- 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

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4312278

109025-01 : SunOS 5.8: /usr/bin/sparcv7/truss and /usr/bin/sparcv9/truss patch
4312278

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

109029-01 : SunOS 5.8: perl patch
4312278

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

109035-01 : SunOS 5.8: useradd/userdel/usermod patch
4312278

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

109041-02 : SunOS 5.8: sockfs patch
4224166 4290575 4322741

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

109066-03 : SunOS 5.8: NCA Support for Apache Web Server patch
4285881 4294231 4296334 4297125 4297126 4297294 4299951 4300202 4300429 4300836
4301047 4303787 4306793 4307672 4307679 4307683 4308402 4311970 4312075 4312396 4313734
4316564 4317634 4318360 4318365 4324351 4326195 4326198

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

109070-01 : WBEM (japanese): fix japanese improper messages
4302909

109072-05 : CDE 1.4: (Japanese) sdtsmartcardadmin update
4318088 4301377 4328596 4346028 4346738 4350168 4357755

109077-01 : SunOS 5.8: /usr/lib/inet/in.dhcpd patch
4313817

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

109091-02 : SunOS 5.8: /usr/lib/fs/ufs/ufsrestore patch

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- 4297558 4302943
- 109093-03 : SunOS 5.8: JFP message files patch
4318917 4345727 4357764 4358930
- 109094-01 : SunOS 5.8: localisation updates for different components

- 109128-01 : Provide conversion between codepages 1256 and ISO8859-6:
4301870
- 109131-03 : SunOS 5.8: JFP manpages patch
4320935 4345069 4302905 4351981
- 109133-02 : SunOS 5.8 : Cut and Paste not functioning in ru_RU.KOI8-R locale
4307614 4328876
- 109134-03 : SunOS 5.8: Patch for Solaris Provider printing and timezone
4297248 4329995 4336719
- 109137-01 : SunOS 5.8: /usr/sadm/install/bin/pkginstall patch
4318844
- 109142-03 : CDE 1.4: dtterm libDtTerm patch
4308751 4340259 4355107
- 109145-01 : SunOS 5.8: /usr/sbin/in.routed patch
4319852
- 109147-06 : SunOS 5.8: linker patch
4040628 4103449 4187211 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 4344528 4349563 4355795 4351715
- 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
- 109154-03 : SunOS 5.8: PGX32 Graphics Patch
4313132 4329407 4340417 4340678 4344436 4347028
- 109157-07 : SunOS 5.8: WOS Message Update and more bug fix for 9/00
4350770 4351383 4332965 4343790 4334002 4337487 4337974 4338505 4341638 4338375
4345089
- 109159-01 : SunOS 5.8: the mapping of zh_CN.euc%UTF-8 is consistent
4334099 4337362
- 109165-06 : CDE 1.4: dtfile patch
4257760 4256612 4256615 4256616 4256617 4297751 4259270 4287012 4292249 4303367

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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

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

109169-08 : CDE 1.4 GWM sdtgwm dumps core after selecting Window->Close Window:
Window Manager Enhancements Patch
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

109176-02 : CDE 1.4: (Japanese) New Feature patch
4322170 4346025

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

109181-02 : SunOS 5.8: /kernel/fs/cachefs patch
4103817 4166371 4292697 4299056 4299427 4308026 4308068

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

109200-02 : SunOS 5.8: l10n updates
4336934 4313061 4333002

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

109221-02 : SunOS 5.8: Patch for sysidnet
4186765 4322703 4338255

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

109234-01 : SunOS 5.8: Apache/mod_jserv patch
4312109

109236-01 : SunOS 5.8: msgsys, semsys and shmsys patch
4310353

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

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

109249-01 : Help not localised for the dhcpmgr:
4324311

109255-01 : Unlocalised buttons on user-interface of dhcpmgr:

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4324315

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

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

109279-06 : SunOS 5.8: /kernel/drv/ip patch
4291034 4299644 4299951 4303422 4305039 4306362 4308728 4311938 4323647 4323830
4324430 4333995 4336478 4337275 4338724 4339375

109318-04 : SunOS 5.8: Admin/Install patch
4299103 4302899 4313039 4324404 4325840 4334036 4351009 4355192 4358804

109320-01 : SunOS 5.8: LP jumbo patch
4188167 4235953 4260829 4263321 4265529 4281487 4302705 4310991

109322-02 : SunOS 5.8: libnsl patch
4305859 4320661

109324-01 : SunOS 5.8: sh/jsh/rsh/pfsh patch
4313399

109326-01 : SunOS 5.8: libresolv.so.2 patch
4284409

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

109354-02 : CDE 1.4: dtsession patch
4239375 4344648

109384-01 : SunOS 5.8: libaio patch
4253437

109411-02 : SunOS 5.8: dtmail prints garbage strings
4326649 4350277

109441-02 : SunOS 5.8: sdtudctool patch
4312994 4342214

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

109458-01 : SunOS 5.8: ldterm patch
4250344

109460-02 : SunOS 5.8: socal and sf driver patch
4137818 4285968 4296275 4300684 4304245 4307585 4327372 4327766

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109461-01 : SunOS 5.8: /usr/lib/lwp/libthread.so.1 patch
4305389

109470-01 : CDE 1.4: Actions Patch
4326649

109472-03 : SunOS 5.8: /kernel/drv/tcp patch
4291034 4299644 4308728 4310189 4311938 4319441 4330074 4332542

109524-02 : SunOS 5.8: ssd driver patch
4271068 4271069 4295457 4297348 4337798

109529-01 : SunOS 5.8: luxadm, liba5k and libg_fc patch
4174203 4267328 4278281 4299846 4306461 4306571 4308889 4309126 4319786 4322825

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

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

109568-02 : SunOS 5.8: sys-suspend need to support low power mode
4278930 4355638 4358149

109571-02 : SunOS 5.8: /usr/sbin/devfsadm patch
4296614 4299010

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

109587-02 : SunOS 5.8: Patch for spurious boot device change messages
4256556 4345757

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

109613-01 : CDE 1.4: dtmail patch
4336922

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

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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

109657-01 : SunOS 5.8: isp driver patch
4225880 4298594 4305985 4323441

109667-01 : SunOS 5.8: /usr/lib/inet/xntpd and /usr/sbin/ntpdate patch
4279094

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

109680-01 : SunOS 5.8: nss_nisplus.so.1 and libnss_nisplus.so.1 patch
4244731

109692-03 : SunOS 5.8: Information
4339515 4345433 4350242

109694-01 : SunOS 5.8: pcf8574 and pcf8591 driver patch (SU2)
4333577 4335407

109695-01 : SunOS 5.8: /etc/smartcard/opencard.properties patch
4324685

109704-02 : SunOS 5.8: Japanese iconv patch
4350293 4344163 4344139 4340250 4340245 4227824

109727-01 : SunOS 5.8: /usr/sadm/admin/printmgr/classes/pmclient.jar patch
4326665

109729-01 : SunOS 5.8: /usr/bin/cat patch
4163406

109731-02 : SunOS 5.8: se driver patch
4304938 4308769 4354219

109740-02 : SunOS 5.8: /kernel/drv/udp patch
4291034 4299644 4303422 4306362 4308728 4311938

109742-02 : SunOS 5.8: /kernel/drv/icmp patch
4291034 4299644 4303422 4306362 4308728 4311938

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

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

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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

109766-01 : SunOS 5.8: SUNWjxmft and SUNWjxcft patch for 8/10 dot font.
4345078

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

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

109793-03 : SunOS 5.8: su driver patch
4284204 4293633 4305633 4329329 4331497 4333100 4334180 4356143

109801-01 : SunOS 5.8: libdevice.so.1 patch
4346976

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

109805-01 : SunOS 5.8: pam_krb5.so.1 patch
4330143

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

109815-01 : SunOS 5.8: scsb driver patch
4335099 4343601 4345375

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

109868-02 : SunOS 5.8: WOS Help File Update
4350353

109872-01 : SunOS 5.8: vis driver patch
4269556

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109873-01 : SunOS 5.8: prtdiag patch
4285559 4332032

109874-02 : SunOS 5.8: audio patch
4271687 4291027 4304911 4305392 4307415 4327740 4329687 4332773 4333448 4339937
4350077

109876-01 : SunOS 5.8: fd driver patch
4271682 4333588 4336201

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

109879-01 : SunOS 5.8: isadma driver patch
4334446 4346495

109880-01 : SunOS 5.8: forthdebug patch
4298789 4306802 4309750 4318795 4324244 4324250 4327038 4334348 4334446 4334505
4338033

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

109882-02 : SunOS 5.8: eri header files patch
4231424 4327054 4345671 4345969

109883-01 : 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 4314412 4314419

109885-02 : SunOS 5.8: glm patch
4258589 4324244 4324250 4329411 4331145 4331147 4334348 4334505 4337546 4338033
4345567

109887-01 : SunOS 5.8: smartcard patch
4275177 4290329 4293939 4305335 4330625 4332392

109888-02 : 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 4345163 4346495 4349747

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

109890-01 : SunOS 5.8: pmsserver.jar patch
4308951

109892-01 : 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

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4301029 4301079 4301556 4308951 4309750 4314412 4314419 4328669 4328671 4332425 4334210
4334506 4337450 4344459 4345596 4347469 4347728

109893-01 : SunOS 5.8: stc driver patch
4309750

109894-01 : SunOS 5.8: bpp patch
4309750

109896-02 : SunOS 5.8: USB patch
4179082 4207634 4257491 4278766 4282084 4284408 4284481 4288456 4290035 4290038
4290048 4297451 4297991 4298047 4299321 4299711 4301110 4302435 4303153 4303369 4303371
4304019 4304060 4304250 4304253 4304383 4304968 4305437 4305467 4305645 4305649 4305819
4306676 4307085 4308510 4308511 4309328 4309368 4309566 4309916 4311023 4312163 4312381
4314164 4314166 4317503 4317522 4317527 4317528 4320410 4323024 4328542 4329325 4329560
4330021 4331700 4332033 4332613 4332707 4336235 4336592 4337149 4337561 4337816 4338525
4339292 4341714 4341839 4342024 4342426 4342488 4343230 4343443 4344107 4344121 4344122
4346249 4346963 4347288 4349013 4349282 4350113 4350901 4351268 4351426 4351707 4352101
4353264

109898-01 : SunOS 5.8: /kernel/drv/arp patch
4291034 4299644 4308728 4311938

109900-01 : SunOS 5.8: /etc/init.d/network and /etc/rcS.d/S30network.sh patch
4291034 4299644 4308728 4311938

109902-01 : SunOS 5.8: /usr/lib/inet/in.ndpd patch
4291034 4299644 4308728 4311938

109904-01 : SunOS 5.8: /etc/default/mpathd and /sbin/in.mpathd patch
4291034 4299644 4308728 4311938 4314132 4328423 4338258 4338530

109906-01 : SunOS 5.8: /sbin/ifconfig and /usr/sbin/ifconfig patch
4291034 4299644 4308728 4311938

109908-01 : SunOS 5.8: pcf8574 and pcf8591 driver patch
4333577 4335407

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

109920-02 : SunOS 5.8: pcic driver patch
4243709 4286161 4352663

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

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- 109928-04 : SunOS 5.8: pcmem and pcmcia patch
4243709 4265532 4280422 4303875 4337357 4339636 4352663 4355964
- 109931-01 : CDE 1.4: sdtimage Patch
4345373
- 109935-01 : SunOS 5.8: libprtdiag_psr.so.1 for SUNW,UltraSPARC-III-Netract patch
4338306
- 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
- 109965-01 : SunOS 5.8: pam_smartcard.so.1 patch
4341789
- 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
- 110019-01 : SunOS 5.8: JFP install/sysadm messages patch
4354350
- 110044-01 : SunOS 5.8: iswalph0 can't work well in zh.GBK locale
4355229
- 110065-01 : SunOS 5.8: New features added to install
4357775
- 110075-01 : SunOS 5.8: /kernel/drv/devinfo and /kernel/drv/sparcv9/devinfo patch
4341354
- 110088-01 : CDE 1.4: DtPower patch
4354583