Contents

Preface 9

Installation Issues 13
Issue You Need to Know About Before Installing Solaris 9 Software From DVD 14
  Booting From the Solaris 9 DVD 14
Bugs You Need to Know About Before Installing Solaris 9 Software From DVD or CD 14
  Additional Software Might Not Install During Command Line Mode Installation From Solaris 9 Software DVD (4671875) 14
  Boot From Solaris DVD Fails on Systems With Toshiba SD-M1401 DVD-ROM (4467424) 15
  Media With UFS or UDFS File Systems Do Not Mount When Media Is Inserted Multiple Times (4638163) 15
  Cannot Access Data on Solaris 9 DVD in Solaris 2.6 and Solaris 7 Operating Environments (4511090) 16
Installation Bug 17
  Systems With Multiple Interfaces Recognize All Interfaces as Usable After Installation or Upgrade (4640568) 17
Solaris Custom JumpStart Bug 17
  Default Solaris JumpStart Profile Might Not Install Multiple Locales on Small Disks (4502007) 17
Installation Bugs That Occur During an Installation From Solaris 9 Software 1 of 2 CD 18
  Warnings Might Occur When a File System Is Created (4189127) 18
Upgrade Issues 18
  Cannot Access Storage Area Networks Through SUNwSan With Solaris 9 Operating Environment 18
  Solaris Management Console 2.1 Software Is Not Compatible With Solaris
Installation Bugs That Occur During an Upgrade

Upgrading From Solaris 8 Operating Environment Might Create Redundant Kerberos Privacy Mechanisms (4672740)
Upgrading to Solaris 9 Operating Environment Might Disable Existing Secure Shell Daemon (sshd) (4626093)
Upgrade Fails if /export Is Near Capacity (4409601)
Upgrading Diskless Client Servers and Clients (4363078)
Upgrading the JavaSpaces Data Store to Prevent WBEM Data Loss (4365035)

Upgrading the Sun UltraSPARC System (sun4u) Might Need Boot Flash PROM Update

Documentation CD Issue

Cannot Install Documentation Packages With Names Longer Than Nine Characters on Documentation Servers Running the Solaris 2.6, 7, and 8 Operating Environments

Documentation CD Installation Bugs

Uninstall Mode of Solaris 9 Documentation CD uninstaller Utility Does Not Work Properly (4675797)
Solaris 9 Installation CD Does Not Prompt For Solaris 9 Documentation 2 of 2 CD in Certain Locales (4668033)
Solaris 9 Documentation 2 of 2 CD Installs Simplified Chinese Documentation By Default (4673521)
Documentation CD Verify Panel Might Not Page in Command Line Interface Mode (4520352)

Localization Issue That Occurs During Installation

Additional Related Locales Might Be Installed

Localization Bugs That Occur During Installation

English and European ISO-15 Locales Might Not Install Correctly (4645678)
Solaris 9 Beta Refresh Chinese CDE Font Packages Do Not Upgrade to Solaris 9 Operating Environment (4653908)
Upgrading Systems Running Solaris 8 Operating Environment With Full Thai/Russian/Polish/Catalan Support Leaves Invalid Packages on System (4650059)
Installing Only Some European Locales Causes Characters to Not Display in UTF-8 Locale (4634077)

Solaris Runtime Issues

USB Device Support Bug
Data Corruption on USB Hard Drives (4660516)
Smart Card Bugs  30
  System Does Not Respond to Smart Card (4415094)  30
  Edit Config File Menu Item in Smartcards Management Console Does Not Work (4447632)  30
Common Desktop Environment (CDE) Issues  31
  Compiling Motif Programs on the Solaris 9 Operating Environment  31
Common Desktop Environment (CDE) Bugs  31
  Cannot Select Choose Host From List Option from CDE Login Screen After Selecting Enter Host Name Option (4667119)  31
  CDE Mailer Appears to Hang While Displaying Email With Long Lines (4418793)  31
  PDASync Cannot Delete Last Entry From the Desktop (4260435)  32
  PDASync Does Not Support Data Exchange With the Multibyte Internationalized PDA Device (4263814)  32
System Administration Bugs  32
  Solaris WBEM Services 2.5 Daemon Cannot Locate com.sun Application Programming Interface Providers (4619576)  32
  Some com.sun Application Programming Interface Method Invocations Fail Under XML/HTTP Transport Protocol (4497393, 4497399, 4497406, 4497411)  33
  Cannot Modify File System Mount Properties With Solaris Management Console Mounts and Shares Tool (4466829)  33
  CIM_ERR_LOW_ON_MEMORY Error Occurs When Trying to Add Data With WBEM (4312409)  34
Solaris Volume Manager Issue  34
  Solaris Volume Manager metattach Command Might Fail  34
Solaris Volume Manager Bugs  35
  Detaching Submirror With metadetach Command Automatically Resizes Mirror (4678627)  35
  Solaris Volume Manager metareplace -e Command Fails to Enable Soft Partitions When Disks Are Removed and Replaced (4645781)  35
  Solaris Volume Manager metahs -e Command Fails On Copper Cable Storage Boxes When Failed Hot Spare Disk Has Been Swapped Out (4644106)  35
  Solaris Volume Manager metadevadm Command Fails If Logical Device Name No Longer Exists (4645721)  36
  Solaris Volume Manager metarecover Command Fails to Update metadb Namespace (4645776)  37
Xserver Bug  37
  Xsun Might Crash on Machines Without a Keyboard Attached (4651949)  37
Networking Bugs  38
  libresolv.so.2 Exhausst Swap File Space With Multithreaded Applications When DNS is Specified in /etc/nsswitch.conf (4646349)  38
Idle Solaris PPP 4.0 Daemon Might Exit During Holdoff Period (4647938)  38
Configuring Multiple Tunnels Between Two IP Nodes With Filtering Enabled Might Result in Packet Loss (4152864)  39

Security Bugs  39
Unlocking CDE Screenlock Removes Kerberos Version 5 Credentials (4674474)  39
CDE Calendar Server Daemon Might Run Out of File Descriptors (4641721)  40
CDE Removable Media Auto Run Functionality Removed from the Solaris 9 Operating Environment (4483353)  40
cron, at, and batch Cannot Schedule Jobs for Locked Accounts (4622431)  41

Additional Software Bug  41
Veritas Volume Manager Might Fail on Systems Running Solaris 9 Operating Environment (4642114)  41

Documentation CD Issues  41
iPlanet Directory Server 5.1 Documentation Links Do Not Work Properly  41
SUNwadocs Package Necessary to Remove Other Documentation Packages  42

Documentation CD Bugs  42
European Locale PDF Documents Available Only Through C Locale (4674475)  42
Removing Solaris 9 Documentation Packages Might Unexpectedly Uninstall Some Solaris 9 Documentation Collections (4641961)  42

Localization Bugs  43
AltGraph-E Does Not Produce Euro Character in en_US.UTF-8 Locale (4633549)  43
Shift-U Does Not Work as Expected in Arabic Locales (4303879)  44
Sorting in the European UTF-8 Locales Does Not Function Correctly (4307314)  44
Smartcard and Secure Shell Applications Are Not Fully Localized (4304495, 4680353)  44

iPlanet Directory Server Issues  44
Setup Issue  44
Schema Issues  44
Replication Issue  44
Server Plug-in Issues  45
Roles and Class of Service Issue  45
Indexing Issue  45

iPlanet Directory Server Bugs  45
Cannot Inactivate Users Through Console (4521017)  45
Cannot Configure Directory With Root Suffix That Contains Spaces (4526501)  46
Password Policy Information Is Not Synchronized Between Servers (4527608) 46
Account Lockout Remains in Effect After User Password Is Changed (4527623) 46
Console Backup Immediately After Install Fails (4531022) 46
Server Ignores Case Sensitive Syntax When Normalizing DN Attributes (4630941) 46
Stopping Server During Export, Backup, Restore or Index Creation Crashes Server (4678334) 47
Replication Unable to Use Self-Signed Certificate (4679442) 47

End-of-Software Support Statements 49
Features Removed From the Solaris 9 Operating Environment 49
adb(1) Map Modifiers and Watchpoint Syntax 49
AnswerBook2 Server 50
aspppd(1M) Utility 50
ATOK8 Japanese Input Method 50
crash(1M) Utility 50
Crash Dump Options for Solaris ipcs(1) Command 50
cs00 Japanese Input Method 50
Early Access (EA) Directory 51
Emulex MD21 Disk Controller for ESDI Drives 51
enable_mixed_bcp Tunable 51
japanese Locale Name Alternate 51
Java Software Developer’s Kit (SDK) 1.2.2 51
JDK 1.1.8 and JRE 1.1.8 51
OpenWindows Toolkits for Developers 51
OpenWindows Environment for Users 52
Priority Paging and Related Kernel Tunables (priority_paging/cachefree) 52
s5fs File System 52
sendmail Utility Features 53
Sun StorEdge A3000, A3500 and A3500FC Storage Arrays 53
SUNWebnfs 53
sun4d–Based Servers 53
SUNWrdm 53
Features That Might Be Removed in a Future Release 53
AdminTool 53
Asian Short dtlogin Names 54
Device Management Entries in `power.conf` 54
Federated Naming Service (FNS)/XFN Libraries and Commands 54
GMT Zoneinfo Time Zones 54
JRE 1.2.2 54
Kerberos Version 4 Client 54
Korean CID Fonts 54
NIS+ 55
`pam_unix(5)` Module 55
Perl Version 5.005_03 55
Power Management I/O Control Commands 55
Solaris Volume Manager Transactional Volume 56
Solstice Enterprise Agents 56
SPC Driver 56
`sun4m` Hardware 56
XIL 56
`xutops` Print Filter 56

Documentation Issues 57

Documentation Errata 57
Document Affected: `Solaris 9 Package List` 57
Document Affected: `Solaris 9 Installation Guide` 57
Document Affected: `re-preinstall(1M)` Man Page 58
Document Affected: `Solaris WBEM SDK Developer's Guide` 58

A Released Patches Integrated In the Solaris 9 Operating Environment 59
List of Integrated Patches 59
Preface

The Solaris\textsuperscript{TM} 9 (SPARC\textsuperscript{TM} Platform Edition) Release Notes contains installation problem details and other information that was not available until immediately before the release of the Solaris 9 operating environment.

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

Who Should Use This Book

These notes are for users and system administrators who are installing and using the Solaris 9 operating environment.

Related Books

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

- \textit{Solaris 9 Start Here}
- \textit{Solaris 9 Installation Guide}
- The Solaris 9 release notes, which are available through the following media:
  - The Solaris 9 Release and Installation Collection on the Solaris 9 Documentation CD
  - Print documentation that accompanies the product (installation issues and bugs only)
  - \url{http://docs.sun.com} (the most up-to-date information)
- \textit{Solaris 9 System Administrator Collection}
- \textit{What\’s New in the Solaris 9 Operating Environment}

Solaris documentation is available on the Solaris 9 Documentation CD, which is included with this product.
For information on current CERT advisories, see the official CERT Web site at http://www.cert.org.

For some hardware configurations, you might need supplemental hardware-specific instructions for installing the Solaris operating environment. If your system requires hardware-specific actions at certain points, the manufacturer of your hardware has provided supplemental Solaris installation documentation. Refer to those materials, such as Solaris 9 Sun Hardware Platform Guide, for hardware-specific installation instructions.

Accessing Sun Documentation Online

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

Typographic Conventions

The following table describes the typographic changes used in this book.

<table>
<thead>
<tr>
<th>Typeface or Symbol</th>
<th>Meaning</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>AaBbCc123</td>
<td>The names of commands, files, and directories; on-screen computer output</td>
<td>Edit your .login file. Use ls -a to list all files. machine_name% you have mail.</td>
</tr>
<tr>
<td>AaBbCc123</td>
<td>What you type, contrasted with on-screen computer output</td>
<td>machine_name% su Password:</td>
</tr>
<tr>
<td>AaBbCc123</td>
<td>Command-line placeholder: replace with a real name or value</td>
<td>To delete a file, type rm filename.</td>
</tr>
<tr>
<td>AaBbCc123</td>
<td>Book titles, new words, or terms, or words to be emphasized.</td>
<td>Read Chapter 6 in User’s Guide. These are called class options. You must be root to do this.</td>
</tr>
</tbody>
</table>

Shell Prompts in Command Examples

The following table shows the default system prompt and superuser prompt for the C shell, Bourne shell, and Korn shell.
### TABLE P–2 Shell Prompts

<table>
<thead>
<tr>
<th>Shell</th>
<th>Prompt</th>
</tr>
</thead>
<tbody>
<tr>
<td>C shell prompt</td>
<td>machine_name%</td>
</tr>
<tr>
<td>C shell superuser prompt</td>
<td>machine_name#</td>
</tr>
<tr>
<td>Bourne shell and Korn shell prompt</td>
<td>$</td>
</tr>
<tr>
<td>Bourne shell and Korn shell superuser prompt</td>
<td>#</td>
</tr>
</tbody>
</table>
Installation Issues

This chapter describes problems that relate to the installation of the Solaris 9 operating environment.

The following installation bug descriptions have been added to this chapter since this document was published on the Solaris 9 Documentation CD and in the Installation Kiosk on the Solaris 9 Installation CD.

- “Additional Software Might Not Install During Command Line Mode Installation From Solaris 9 Software DVD (4671875)” on page 14
- “Media With UFS or UDFS File Systems Do Not Mount When Media Is Inserted Multiple Times (4638163)” on page 15
- “Systems With Multiple Interfaces Recognize All Interfaces as Usable After Installation or Upgrade (4640568)” on page 17
- “Cannot Access Storage Area Networks Through SUNWsan With Solaris 9 Operating Environment” on page 18
- “Upgrading From Solaris 8 Operating Environment Might Create Redundant Kerberos Privacy Mechanisms (4672740)” on page 20
- “Uninstall Mode of Solaris 9 Documentation CD uninstaller Utility Does Not Work Properly (4675797)” on page 24
- “Solaris 9 Installation CD Does Not Prompt For Solaris 9 Documentation 2 of 2 CD in Certain Locales (4668033)” on page 24
- “Solaris 9 Documentation 2 of 2 CD Installs Simplified Chinese Documentation By Default (4673521)” on page 25
- “Additional Related Locales Might Be Installed” on page 25
- “English and European ISO-15 Locales Might Not Install Correctly (4645678)” on page 26
- “Solaris 9 Beta Refresh Chinese CDE Font Packages Do Not Upgrade to Solaris 9 Operating Environment (4653908)” on page 26
- “Upgrading Systems Running Solaris 8 Operating Environment With Full Thai/Russian/Polish/Catalan Support Leaves Invalid Packages on System (4650059)” on page 27
- “Installing Only Some European Locales Causes Characters to Not Display in UTF-8 Locale (4634077)” on page 27
Note – The Solaris 9 operating environment requires a memory size of 128 Mbytes or greater.

Issue You Need to Know About Before Installing Solaris 9 Software From DVD

Bootimg From the Solaris 9 DVD

The Solaris 9 operating environment is now available on DVD. To install or upgrade from DVD, insert the Solaris 9 DVD into the DVD-ROM drive and boot the system from the ok prompt with the following command.

ok boot cdrom

Bugs You Need to Know About Before Installing Solaris 9 Software From DVD or CD

Additional Software Might Not Install During Command Line Mode Installation From Solaris 9 Software DVD (4671875)

If you use the Solaris 9 Software DVD to install additional software, the additional software might not be installed. This problem might occur under the following conditions.

- You use the command line mode to install from the Solaris 9 Software DVD.
- During the installation, you indicate that you do not want the system to eject the DVD automatically.
- You install optional software, such as the SunScreen 3.2 application, products on the Solaris 9 Software Supplement CD, or products on the Solaris Software Companion CD.

If this problem occurs, the following error message displays.

The disc you inserted is not the correct CD/DVD for optional-software-name. Please try again.

Workaround: Choose one of the following workarounds.

- To avoid this problem, select Yes (the default setting) when the installation program asks you if you want to eject the DVD automatically.
- If you receive the previous error message, and if the machine has remote login access, follow these steps.
  1. Remote login to the machine.
  2. Become superuser.
  3. Eject the DVD by typing the following command.
# eject cdrom

4. Continue with the installation. When the installation program prompts you, reinser the Solaris 9 Software DVD in the machine you are installing.

- If you receive the previous error message, manually install the optional software. Follow these steps.
  1. When you receive the error message, select the Skip This Disc option. Select this option to skip all the remaining optional software installations.
  2. Complete the installation.
  3. After the system reboots, log in to the system and manually run the installers for the optional software. Choose the appropriate installer command.
     - To install the SunScreen 3.2 product, insert the Solaris 9 Software DVD and type the following command.
       ```bash
       # /dvd-mount-point/s0/Solaris_9/ExtraValue/CoBundled/SunScreen_3.2/install -nodisplay
       ```
     - To install Solaris 9 Software Supplement products, insert the Solaris 9 Software DVD and type the following command.
       ```bash
       # /dvd-mount-point/s0/SW_Supp_CD/installer -nodisplay
       ```
     - To install the Solaris Software Companion CD, insert the CD and type the following command.
       ```bash
       # /cd-mount-point/installer -nodisplay
       ```

**Boot From Solaris DVD Fails on Systems With Toshiba SD-M1401 DVD-ROM (4467424)**

If your system has a Toshiba SD-M1401 DVD-ROM drive with firmware revision 1007, the system cannot boot from the Solaris 9 DVD.

**Workaround:** Apply patch 111649-03, or later version, to update the Toshiba SD-M1401 DVD-ROM drive’s firmware. Patch 111649-03 is included on the Solaris 9 Supplement CD in the following directory.

```
DVD_Firmware/Patches
```

See the README file in this directory for instructions on installing the patch. Be sure to read and follow all the cautions and warnings in this README file before you install the patch.

**Media With UFS or UDFS File Systems Do Not Mount When Media Is Inserted Multiple Times (4638163)**

CD or DVD media that is formatted with UFS or UDFS file systems might not mount on systems with certain media drives under the following conditions.

- The system is running the Solaris 9 operating environment.
- Volume Management (`vdiskd`) is running on the system.
- You insert, remove, and reinsert the media.
A mount: I/O error message might display on the system console. The file system on the media is not mounted, and the File Manager graphical user interface for the media is not displayed.

**Workaround:** In the `/etc/rmmount.conf` file, add the following line before the line that reads `mount * hsfs udfs ufs -o nosuid`.

```bash
mount cdrom* hsfs udfs ufs -o nosuid ro
```

**Note** — You must enter this line before the line that reads `mount * hsfs udfs ufs -o nosuid`. After you add this line, the mount section of the `/etc/rmmount.conf` file should read as follows.

```bash
mount cdrom* hsfs udfs ufs -o nosuid ro
mount * hsfs udfs ufs -o nosuid
```

---

### Cannot Access Data on Solaris 9 DVD in Solaris 2.6 and Solaris 7 Operating Environments (4511090)

If your system is running the Solaris 2.6 or Solaris 7 operating environment, Volume Management incorrectly mounts the Solaris 9 DVD. The Solaris 9 DVD can be mounted, but the data is inaccessible. As a result, you cannot set up an install server, perform a Live Upgrade, or access any data on the media.

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

- Apply the patches appropriate for your system.

  **TABLE 1-1 DVD patches for the Solaris 2.6 and Solaris 7 Operating Environments**

<table>
<thead>
<tr>
<th>Release</th>
<th>Patch ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solaris 2.6 operating environment</td>
<td>107618-03</td>
</tr>
<tr>
<td>Solaris 7 operating environment</td>
<td>107259-03</td>
</tr>
</tbody>
</table>

- Manually mount the Solaris 9 DVD. Do not use Volume Management to mount the Solaris 9 DVD. Follow these steps.

  1. Become superuser.
  2. Stop Volume Management.
     ```bash
     # /etc/init.d/volmgt stop
     ```
  3. Manually mount the DVD.
     ```bash
     # mkdir /mnt1
     # mount -F hsfs -o ro /dev/dsk/c0t6d0s0 /mnt1
     ```
  4. Verify that the DVD is mounted and the data is accessible.
     ```bash
     # cd /mnt1
     # ls
     ```
The system returns the following information if the DVD is correctly mounted.

Copyright Solaris_9

Installation Bug

**Systems With Multiple Interfaces Recognize All Interfaces as Usable After Installation or Upgrade (4640568)**

If you install or upgrade to the Solaris 9 operating environment on a system with multiple network interfaces, the system recognizes all system interfaces as usable. Interfaces that are not plugged in to the network or that are not intended for use appear in the output of the `ifconfig -a` command. Additionally, interfaces with identical ethernet addresses might be assigned to identical IP addresses. The following error message is displayed.

```
ifconfig: setifflags: SIOCSLIFFLAGS: qfe3: Cannot assign requested address
```

This problem also occurs on systems that have the `local-mac-address` PROM variable set to false. The problem occurs because all interfaces are configured with the same IP address.

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

- To plumb only the configured interface, reboot the system after the initial boot.
- To assign a different IP address to each network interface, set the `local-mac-address` PROM variable to `true` in one of the following ways.
  - At the `ok` prompt, type the following command.
    ```
    ok setenv local-mac-address? true
    ```
  - In a terminal window, type the following command as superuser.
    ```
    # eeprom local-mac-address?=true
    ```

**Solaris Custom JumpStart Bug**

**Default Solaris JumpStart Profile Might Not Install Multiple Locales on Small Disks (4502007)**

If you use the default Solaris JumpStart™ profile on the Solaris 9 media to install multiple locales on a system with a small disk, the installation might fail. This problem might occur under the following conditions.

- You use the default Solaris JumpStart profile to install any locale other than the C locale on a system with a 2.1 Gbyte disk
- You use the default Solaris JumpStart profile to install two or more locales on a system with a 4 Gbyte disk
Installation Bugs That Occur During an Installation From Solaris 9 Software 1 of 2 CD

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

When a file system is created during installation, one of the following warning messages might be displayed.

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

Or

Warning: 1 sector(s) in last cylinder unallocated

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

Workaround: Ignore the warning message.

Upgrade Issues

Cannot Access Storage Area Networks Through SUNWsan With Solaris 9 Operating Environment

If your Solaris 8 system is connected to storage area networks (SANs), check with your support engineer before you upgrade to the Solaris 9 operating environment. Solaris 8 systems with the SUNWsan package installed might require special procedures to upgrade to the Solaris 9 operating environment. To find out if the SUNWsan package is installed on the system, type the following command in a terminal window.

# pkginfo SUNWsan

If the SUNWsan package is installed, the following information is displayed.

system SUNWsan SAN Foundation Kit

Solaris Management Console 2.1 Software Is Not Compatible With Solaris Management Console 1.0, 1.0.1, or 1.0.2 Software

If you want to upgrade to the Solaris 9 operating environment and you have Solaris Management Console 1.0, 1.0.1, or 1.0.2 software installed, you must first uninstall the Solaris Management Console software before you upgrade. Solaris Management Console 2.1 software is not compatible with Solaris Management Console 1.0, 1.0.1, or 1.0.2 software. Solaris Management Console software might exist on your system if you installed the SEAS 2.0 overbox, the SEAS 3.0 overbox, or the Solaris 8 Admin Pack.

Workaround: Choose one of the following workarounds.
Before you upgrade, run /usr/bin/prodreg and perform a full uninstall of 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 to the Solaris 9 operating environment, you must remove all Solaris Management Console 1.0, 1.0.1, or 1.0.2 packages. You must use pkg rm for package removal instead of prodreg, and you must carefully follow the order of package removal. Follow these steps.

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

```
# pkginfo | grep "Solaris Management Console"
```

The package names in the output identify a Solaris Management Console 1.0 package if the description does not start with "Solaris Management Console 2.1."

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

**Note** – Do not remove any package that has "Solaris Management Console 2.1" in the description. For example, SUNWmc .2 might indicate Solaris Management Console 2.1 software.

**Note** – If the `pkginfo` output displays multiple versions of Solaris Management Console 1.0 packages, use `pkg rm` to remove both packages. Remove 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.

```
# pkg rm SUNWmcman
# pkg rm SUNWmcapp
# pkg rm SUNWmcsvr
# pkg rm SUNWmcsvu
# pkg rm SUNWmcc
# pkg rm SUNWmcc
# pkg rm SUNWmcsws
```

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

```
# rm -rf /var/sadm/pkg/SUNWmcapp
```
Solaris Management Console 2.1 software should now function. For future maintenance, or if Solaris Management Console 2.1 software does not function properly, remove Solaris Management Console 2.1 software and reinstall it by following the next steps.

1. Use `pkgrm` to remove all Solaris Management Console 2.1 packages and dependent packages in the following order.

   **Note** – If your installation has multiple instances of Solaris Management Console 2.1 packages, such as `SUNWmc` and `SUNWmc.2`, first remove `SUNWmc`, and then `SUNWmc.2`. Do not use `prodreg`.

   ```
   # pkgrm SUNWpmgr
   # pkgrm SUNWrmui
   # pkgrm SUNWlvmg
   # pkgrm SUNWlvma
   # pkgrm SUNWlvmr
   # pkgrm SUNWdlcint
   # pkgrm SUNWmgap
   # pkgrm SUNWmgapp
   # pkgrm SUNWmcdev
   # pkgrm SUNWmcex
   # pkgrm SUNWwbmc
   # pkgrm SUNWmc
   # pkgrm SUNWmcc
   # pkgrm SUNWmccom
   ```

2. Insert the Solaris 9 Software *(SPARC Platform Edition)* 1 of 2 CD into your CD-ROM drive and type the following in a terminal window.

   ```
   # cd /cdrom/sol_9_sparc/s0/Solaris_9/Product
   # pkgadd -d . SUNWmccom SUNWmcc SUNWmc SUNWwbmc SUNWmcex SUNWmcdev SUNWmgapp SUNWmc SUNWmc SUNWmc SUNWmc SUNWmc SUNWmc SUNWmc SUNWmc SUNWmc SUNWmc SUNWmc SUNWmc SUNWmc SUNWmc SUNWmc SUNWmc SUNWmc SUNWmc SUNWmc SUNWmc
   ```

   All previous Solaris Management Console versions are now removed and Solaris Management Console 2.1 software is functional.

**Installation Bugs That Occur During an Upgrade**

**Upgrading From Solaris 8 Operating Environment Might Create Redundant Kerberos Privacy Mechanisms (4672740)**

In the Solaris 9 operating environment, the Kerberos Version 5 global mechanism includes privacy support, and the Kerberos domestic mechanism is not needed. If you installed the Kerberos domestic mechanism (located in `/usr/lib/gss/do/mehc_krb.so.1`) on a Solaris 8 system, it is recommended that you remove the Kerberos domestic mechanism before you upgrade the system to the Solaris 9 operating environment.
Workaround: Follow these steps before you upgrade to the Solaris 9 operating environment.

1. Type the following command to check to determine if the Kerberos domestic mechanism is installed on the system.

```
% pkginfo | fgrep 'SUNWk5'
```

- If the output of this command includes any `SUNWk5` package names, the Kerberos domestic mechanism is installed on the system. Go to step 2.
- If the output does not include any `SUNWk5` package names, the Kerberos domestic mechanism is not installed on the system. Skip the rest of these steps and upgrade the system.

2. Back up the `/etc/nfssec.conf` and `/etc/gss/qop` files by typing the following command.

```
% tar -cf /var/tmp/krb_config_files.tar /etc/nfssec.conf /etc/gss/qop
```

3. Verify that the files are backed up by typing the following command.

```
% tar -tf /var/tmp/krb_config_files.tar
```

4. Remove each package listed in the output of step 1.

```
% pkgrm package-name package-name package-name
```

5. Upgrade to the Solaris 9 operating environment.

   The upgrade program updates the global Kerberos mechanism code and enables Kerberos privacy support.

6. In a text editor, change the following lines in the `/etc/gss/mech` file.

   - Uncomment the following line.
     
     ```
     kerberos_v5 1.2.840.113554.1.2.2 gl/mech_krb5.so gl_kmech_krb5
     ```
     
     If necessary, add the previous line to the `/etc/gss/mech` file.

   - Remove the following line.

   ```
   kerberos_v5 1.2.840.113554.1.2.2 do/mech_krb5.so do_kmech_krb5
   ```

   - Restore the `/etc/nfssec.conf` and `/etc/gss/qop` files by typing the following command.

```
% tar -xf /var/tmp/krb_config_files.tar
```

Upgrading to Solaris 9 Operating Environment Might Disable Existing Secure Shell Daemon (sshd) (4626093)

If you upgrade to the Solaris 9 operating environment on a system that is running a third party Secure Shell (for example, OpenSSH) from the `/etc/init.d/sshd` daemon, the upgrade disables the existing Secure Shell daemon. During an upgrade, the Solaris 9 upgrade software overwrites the contents of `/etc/init.d/sshd`.

Workaround: Choose one of the following workarounds.
If you do not want the Secure Shell protocol server program on your system, do not install the SUNWsshdr and SUNWsshdu packages during the upgrade.

If you do not want the Secure Shell protocol server or client programs on your system, do not install the Secure Shell Cluster (SUNWCssh) during the upgrade.

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

If the /export directory is near full capacity and you upgrade to the Solaris 9 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 is completed.
- Temporarily comment out the /export line in the /etc/vfstab file until the upgrade is completed.
- If /export is a separate file system, then unmount /export before you perform the upgrade.

**Upgrading Diskless Client Servers and Clients (4363078)**

If your system currently supports diskless clients that were installed with the AdminSuite 2.3 Diskless Client tool, you must first delete all existing diskless clients that are the same Solaris version and architecture as the server. Then, install or upgrade to the Solaris 9 operating environment. For specific instructions, see System Administration Guide: Basic Administration.

If you attempt to install the Solaris 9 operating environment over existing diskless clients, the following error message might appear:

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

In this error message, version-number refers to the Solaris version that is currently running on your system. <xxxxxxxx> refers to the slice that is running this version of the Solaris operating environment.

**Upgrading the JavaSpaces Data Store to Prevent WBEM Data Loss (4365035)**

If you are upgrading from the Solaris 8, Solaris 8 6/00, or Solaris 8 10/00 operating environments to the Solaris 9 operating environment (Solaris WBEM Services 2.5), you must convert any proprietary custom Managed Object Format (MOF) data to the new Reliable Log repository format that is used with Solaris WBEM Services 2.5. Failure to convert the data results in data loss.
64–Bit Solaris Issues

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

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

If you want to run the 64-bit Solaris operating environment on an UltraSPARC system, you might need to update its flash PROM firmware. The Solaris 9 installation programs enable you to add 64-bit support. This 64-bit support is selected by default when you install on Sun UltraSPARC™ systems. A 64-bit system only boots in the 64-bit mode by default if it has a CPU speed of 200 MHz or greater.

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

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

<table>
<thead>
<tr>
<th>System Type From uname -i</th>
<th>Minimum Firmware Version From prtconf -V</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUNW,Ultra-1-Engine</td>
<td>3.10.0</td>
</tr>
<tr>
<td>SUNW,Ultra-1</td>
<td>3.11.1</td>
</tr>
<tr>
<td>SUNW,Ultra-2</td>
<td>3.11.2</td>
</tr>
<tr>
<td>SUNW,Ultra-4</td>
<td>3.7.107</td>
</tr>
<tr>
<td>SUNW,Ultra-Enterprise</td>
<td>3.2.16</td>
</tr>
</tbody>
</table>

**Note** – If a system is not listed in the previous table, it does not need a flash PROM update.
For instructions on performing the flash PROM update by using the Solaris CD, refer to the Solaris 9 on Sun Hardware Collection. If you do not have this manual, you can obtain it at http://docs.sun.com.

Documentation CD Issue

Cannot Install Documentation Packages With Names Longer Than Nine Characters on Documentation Servers Running the Solaris 2.6, 7, and 8 Operating Environments

Some localized documentation collections in PDF format have package names that are longer than nine characters. To install these PDF collections on servers that are running the Solaris 7 or 8 operating environment, you must first install two patches.

Note – No patches exist at the time of this release for Solaris 2.6 servers.

Workaround: For instructions on how to install these patches, see the Solaris Documentation Important Information file on the documentation media (Solaris 9 Documentation CD 1 of 2, 2 of 2, or DVD.) This file is located in the following directory:

mount-point/README/locale/install_locale.html

For example, the English file on the Solaris 9 Documentation CD 1 of 2 is located in the following directory:

sol_9_doc_1of2/README/C/install_C.html

Documentation CD Installation Bugs

Uninstall Mode of Solaris 9 Documentation CD uninstaller Utility Does Not Work Properly (4675797)

If you run the Solaris 9 Documentation CD uninstaller in Uninstall All mode, the uninstaller only removes those documentation packages that are installed by default.

Workaround: Run the uninstaller in Uninstall Partial mode, and select the specific packages you want to uninstall.

Solaris 9 Installation CD Does Not Prompt For Solaris 9 Documentation 2 of 2 CD in Certain Locales (4668033)

If you use the Solaris 9 Installation CD with certain locales, the installation program does not prompt you to install packages from the Solaris 9 Documentation 2 of 2 CD. This problem occurs for the following locales.

- ja_JP.PCK
Workaround: To install collections from the Solaris 9 Documentation 2 of 2 CD, run the installer utility directly from the Solaris 9 Documentation 2 of 2 CD.

Solaris 9 Documentation 2 of 2 CD Installs Simplified Chinese Documentation By Default (4673521)

If you install the Solaris 9 Documentation CD 2 of 2 in the zh_HK.BIG5HK or zh_HK.UTF-8 locale, Simplified Chinese Documentation is installed by default.

Workaround: During the Solaris 9 Documentation 2 of 2 CD installation, select Custom Install, and then select the Traditional Chinese documentation you want to install.

Documentation CD Verify Panel Might Not Page in Command Line Interface Mode (4520352)

If you use the Solaris 9 Documentation CD installer program with the -nodisplay option, the verify panel might not page correctly.

Workaround: Do not specify the -nodisplay option with the Solaris 9 Documentation CD installer program. Use the graphical user interface (GUI) mode to install the Solaris 9 Documentation CD.

Localization Issue That Occurs During Installation

Additional Related Locales Might Be Installed

When you select a locale for your installation, additional related locales might also be installed. This change in behavior occurs in the Solaris 9 operating environment because all full locales (with message translations) and the Asian and Japanese partial locales (locale enabler) have been repackaged based on language support for locales. Other partial locales are still packaged and installed based on geographic region, such as Central Europe.
Localization Bugs That Occur During Installation

**English and European ISO-15 Locales Might Not Install Correctly (4645678)**

If you select an English or European ISO-15 locale to use during an interactive installation from the Solaris 9 Software DVD, the ISO-15 and corresponding ISO-1 locale might not be installed. This problem occurs because the English or European ISO-15 locale you specify in the Select a Locale screen might not be selected automatically on the Select a Geographic Region screen.

**Workaround:** If you want to install the English or European ISO-15 locale you use during the installation, follow these steps.

1. In the Select a Locale screen, select the English or European ISO-15 locale to use during the installation.
2. In the Select a Geographic Region screen, select the appropriate English or European ISO-15 and ISO-1 locale you want to install on the system.

---

**Note** — If you do not check the Select a Geographic Region screen to make sure the appropriate English or European ISO-15 and ISO-1 locale is selected for installation, the locale might not be installed.

---

**Solaris 9 Beta Refresh Chinese CDE Font Packages Do Not Upgrade to Solaris 9 Operating Environment (4653908)**

If you upgrade to the Solaris 9 operating environment on a system running the Solaris 9 Beta Refresh operating environment with Simplified Chinese or Traditional Chinese locale support, the upgrade does not complete successfully. The Simplified Chinese and Traditional Chinese CDE font localization packages (SUNWcdft or SUNWhdft) do not upgrade to the appropriate Solaris 9 packages. The following error message is displayed.

```
Removing package SUNWcdft:
/a/var/sadm/pkg/SUNWcdft/install/postremove:
/a/usr/dt/config/xfonts/zh_CN.EUC: does not exist
/a/var/sadm/pkg/SUNWcdft/install/postremove:
/a/usr/dt/config/xfonts/zh_CN.GBK: does not exist
/a/var/sadm/pkg/SUNWcdft/install/postremove:
/a/usr/dt/config/xfonts/zh_CN.UTF-8: does not exist
pkgrm: ERROR: postremove script did not complete successfully
```

**Workaround:** Before you upgrade to the Solaris 9 operating environment, remove the appropriate Solaris 9 Beta Refresh postremove files.

```
# rm /var/sadm/pkg/SUNWcdft/install/postremove
# rm /var/sadm/pkg/SUNWhdft/install/postremove
```
Upgrading Systems Running Solaris 8 Operating Environment With Full Thai/Russian/Polish/Catalan Support Leaves Invalid Packages on System (4650059)

If you upgrade to the Solaris 9 operating environment on a system running the Solaris 8 operating environment with the Solaris 8 Language Supplement CD installed, several invalid Thai, Russian, Polish, and Catalan locale packages remain on the system. These locale packages have an `ARCH=sparcall` value, and are not removed during the upgrade to the Solaris 9 operating environment.

**Workaround:** Before you upgrade to the Solaris 9 operating environment, use the Solaris Product Registry application to remove the Solaris 8 Languages Supplement CD packages.

Installing Only Some European Locales Causes Characters to Not Display in UTF-8 Locale (4634077)

If you install one or more of a specific set of European locales, the system might not display any characters outside of the English or European character set in the UTF-8 codeset of the locale. This problem occurs under the following conditions.

- You install one or more of the following locales.
  - Middle East/Israel (ISO8859-8)
  - Northern Africa/Egypt (ISO8859-6)
  - Eastern Europe/Russia (ISO8859-5)
  - Eastern Europe/Turkey (ISO8859-9)
  - South America/Brazil (ISO8859-1)
  - Central Europe/Poland (ISO8859-2)

- You install no other locales on the system.

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

- During the installation, install both the `en_US.UTF-8` North America/U.S.A. locale and the European locale you want on the system.

- After the installation is completed, use the `pkgadd` utility to add the following packages to your system.
  - `SUNW5ttf` — Traditional Chinese BIG5 True Type Fonts Package
  - `SUNWcettf` — Simplified Chinese (EUC) True Type Fonts
  - `SUNWiiimr` — Internet/Intranet Input Method Framework Package (Root)
  - `SUNWiiimu` — Internet/Intranet Input Method Framework Package (Usr)
  - `SUNWinleu` — Indic Locale Environment User Files
  - `SUNWinlex` — Indic Language Environment user files (64-bit)
  - `SUNWinttf` — Indic True Type Fonts
  - `SUNWjxcft` — Japanese Required TrueType Font
  - `SUNWkttf` — Korean True Type Fonts
  - `SUNWtleu` — Thai Locale Environment User Files
  - `SUNWtleux` — Thai Language Environment user files (64-bit)
These packages are available from the `Solaris_9/Product` directory on the Solaris 9 Software 1 of 2 CD or CD image.

For example, if you install the Solaris 9 operating environment from the Solaris 9 Software 1 of 2 CD, type the following commands.

```
# cd /cdrom/cdrom0/Solaris_9/Product
# pkgadd -d . SUNWSttf
# pkgadd -d . SUNWcttf
```

Repeat this `pkgadd` command for each package in the previous list.
Solaris Runtime Issues

This chapter describes runtime issues that are known to be problems.

The following runtime bug descriptions have been added to this chapter since this document was published on the Solaris 9 Documentation CD and in the Installation Kiosk on the Solaris 9 Installation CD.

- “Solaris Volume Manager metattach Command Might Fail” on page 34
- “Data Corruption on USB Hard Drives (4660516)” on page 30
- “Cannot Select Choose Host From List Option from CDE Login Screen After Selecting Enter Host Name Option (4667119)” on page 31
- “Detaching Submirror With metadetach Command Automatically Resizes Mirror (4678627)” on page 35
- “Solaris Volume Manager metahs -e Command Fails On Copper Cable Storage Boxes When Failed Hot Spare Disk Has Been Swapped Out (4644106)” on page 35
- “Solaris Volume Manager metadevadm Command Fails If Logical Device Name No Longer Exists (4645721)” on page 36
- “Solaris Volume Manager metarecover Command Fails to Update metadb Namespace (4645776)” on page 37
- “Solaris Volume Manager metareplace -e Command Fails to Enable Soft Partitions When Disks Are Removed and Replaced (4645781)” on page 35
- “Xsun Might Crash on Machines Without a Keyboard Attached (4651949)” on page 37
- “libresolv.so.2 Exhausts Swap File Space With Multithreaded Applications When DNS is Specified in /etc/nsswitch.conf (4646349)” on page 38
- “Idle Solaris PPP 4.0 Daemon Might Exit During Holdoff Period (4647938)” on page 38
- “Unlocking CDE Screenlock Removes Kerberos Version 5 Credentials (4674474)” on page 39
- “CDE Calendar Server Daemon Might Run Out of File Descriptors (4641721)” on page 40
- “Veritas Volume Manager Might Fail on Systems Running Solaris 9 Operating Environment (4642114)” on page 41
- “iPlanet Directory Server 5.1 Documentation Links Do Not Work Properly” on page 41
USB Device Support Bug

Data Corruption on USB Hard Drives (4660516)

If USB hard drives that are not Solaris Ready are used with the Solaris 9 operating environment, the result might be UFS panics and data corruption.


Smart Card Bugs

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. Perform a remote login to the machine on which the ocfserv process terminated.
2. Become superuser.
3. Kill the dtsession process by typing the following in a terminal window.

   # pkill dtsession

ocfserv restarts and smart card login and capability are restored.

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

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

Workaround: Do not use the Edit Config File menu item in the Smartcards Management Console. For information on smart card configuration, see Solaris Smartcard Administration Guide.
Common Desktop Environment (CDE) Issues

Compiling Motif Programs on the Solaris 9 Operating Environment

A problem occurs when you compile a Motif program in the Solaris 9 operating environment under the following circumstances.

- You link to a shared library that has been compiled in the Solaris 2.4, 2.5, 2.5.1 or 2.6 operating environments.
- The older library also uses the Motif application programming interface (API).

When the Motif program uses Motif version 2.1 and the old shared library uses Motif version 1.2, a core dump might occur. This is not a binary compatibility problem for applications that were compiled in the Solaris 2.4, 2.5, 2.5.1, and 2.6 operating environments, which should run correctly in the Solaris 9 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 9 operating environment that links to both Motif and that older shared library, use a line such as the following to compile:

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

In the previous example, `program` is the name of the program you are compiling.

Common Desktop Environment (CDE) Bugs

Cannot Select Choose Host From List Option from CDE Login Screen After Selecting Enter Host Name Option (4667119)

If you choose the Remote Login option from the Options button on the CDE login screen, and then select Enter Host Name, the Choose Host From List option does not work for future remote login attempts.

Workaround: Use the Enter Host Name option for all remote login attempts.

CDE Mailer Appears to Hang While Displaying Email With Long Lines (4418793)

If you try to read an email message with many long lines in any of the Solaris 9 Unicode or UTF-8 locales, CDE Mailer (`dtmail`) appears to hang, and the message does not display immediately.

Workaround: Choose one of the following workarounds.

- Enlarge the `dtmail` Mailbox window to accommodate 132 columns.
- Disable the Complex Text Layout feature by following these steps.
  1. Become superuser.
  2. Change directories to your system’s locale directory.
# cd /usr/lib/locale/locale-name

In the previous example, locale-name refers to the name of your system's Solaris 9 Unicode or UTF-8 locale.

3. Rename the locale layout engine category.

    # mv LO_LTYPE LO_LTYPE-

    **Note** – Rename the locale layout engine category to the original name (LO_LTYPE) before you apply any patches to the locale layout engine.

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

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

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

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

If you exchange multibyte data between a PDA device and Solaris CDE, the data might be corrupted in both environments.

**Workaround:** Back up your data on your personal computer with the PDA backup utility before you run the PDASync application. If you accidentally exchange multibyte data and corrupt that data, restore your data from the backup.

**System Administration Bugs**

**Solaris WBEM Services 2.5 Daemon Cannot Locate com.sun Application Programming Interface Providers (4619576)**

The Solaris WBEM Services 2.5 daemon cannot locate providers that are written to the com.sun.wbem.provider interface or to the com.sun.wbem.provider20 interface. Even if you create a Solaris_ProviderPath instance for a provider that is written to these interfaces, the Solaris WBEM Services 2.5 daemon does not locate the provider.

**Workaround:** To enable the daemon to locate such a provider, stop and restart the Solaris WBEM Services 2.5 daemon.

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

    # /etc/init.d/init.wbem start
Note – If you use the javax API to develop your provider, you do not need to stop and restart the Solaris WBEM Services 2.5 daemon, as the daemon dynamically recognizes javax providers.

Some com.sun Application Programming Interface Method Invocations Fail Under XML/HTTP Transport Protocol (4497393, 4497399, 4497406, 4497411)

If you choose to use the com.sun application programming interface rather than the javax application programming interface to develop your WBEM software, only CIM remote method invocation (RMI) is fully supported. Other protocols, such as XML/HTTP, are not guaranteed to work completely with the com.sun application programming interface.

The following table lists examples of invocations that execute successfully under RMI, but fail under XML/HTTP.

<table>
<thead>
<tr>
<th>Method Invocation</th>
<th>Error Message</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIMClient.close()</td>
<td>NullPointerException</td>
</tr>
<tr>
<td>CIMClient.execQuery()</td>
<td>CIM_ERR_QUERY_LANGUAGE_NOT_SUPPORTED</td>
</tr>
<tr>
<td>CIMClient.getInstance()</td>
<td>CIM_ERR_FAILED</td>
</tr>
<tr>
<td>CIMClient.invokeMethod()</td>
<td>XMLERROR: ClassCastException</td>
</tr>
</tbody>
</table>

Cannot Modify File System Mount Properties With Solaris Management Console Mounts and Shares Tool (4466829)

The Solaris Management Console Mounts and Shares tool cannot modify mount options on system-critical file systems such as / (root), /usr, and /var.

Workaround: Choose one of the following workarounds.

- Use the remount option with the mount command.
  
  ```bash
  # mount -F file-system-type -o remount,additional-mount-options \
  device-to-mount mount-point
  ```

  **Note** – Mount property modifications that are made by using the -remount option with the mount command are not persistent. In addition, all mount options that are not specified in the additional-mount-options portion of the previous command inherit the default values that are specified by the system. See the man page `mount_ufs(1M)` for more information.

- Edit the appropriate entry in the /etc/vfstab file to modify the file system mount properties, then reboot the system.
**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:

```plaintext
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, follow these steps.

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

**Note** – When you reset the CIM Object Manager Repository, you lose any proprietary definitions in your data store. You must recompile the MOF files that contain those definitions by using the `mofcomp` command. For example:

```bash
# /usr/sadm/bin/mofcomp -u root -p root-password your-mof-file
```

**Solaris Volume Manager Issue**

**Solaris Volume Manager `metattach` Command Might Fail**

If you have a Solaris Volume Manager mirrored root file system in which the file system does not start on cylinder 0, all submirrors you attach must also not start on cylinder 0.

If you attempt to attach a submirror starting on cylinder 0 to a mirror in which the original submirror does not start on cylinder 0, the following error message displays:

```plaintext
can't attach labeled submirror to an unlabeled mirror
```

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

- Ensure that both the root file system and the volume for the other submirror start on cylinder 0.
- Ensure that both the root file system and the volume for the other submirror do not start on cylinder 0.
Note – By default, the JumpStart installation process starts /swap at cylinder 0 and
the root file system somewhere else on the disk. Common system administration
practice is often to start slice 0 at cylinder 0. Mirroring a default JumpStart installation
with root on slice 0, but not cylinder 0, to a typical secondary disk with slice 0 starting
at cylinder 0, will result in the error message being displayed when attempting to
attach the second submirror.

Solaris Volume Manager Bugs

Detaching Submirror With metadetach Command Automatically Resizes Mirror (4678627)

If you use the metadetach command to remove a submirror from a mirror, you
might not be able to reattach the submirror. This problem occurs because the mirror is
automatically resized after you detach the submirror.

Workaround: Before you use the metadetach command to detach a submirror, attach
a submirror of equal size to the submirror you want to detach.

Solaris Volume Manager metareplace -e Command Fails to Enable Soft
Partitions When Disks Are Removed and Replaced (4645781)

If you physically remove a soft partitioned disk from a system and then replace it with
a new disk, the metareplace -e command fails to enable the soft partitions. This
failure might occur whether or not you used the metarecover command prior to
issuing the metareplace -e command to enable the soft partitions.

Workaround: Recreate the soft partitions on the new disk.

Note – If the soft partitions are a part of a mirror or RAID5, use the metareplace
command without the -e option to replace the old soft partition with the new soft
partition.

# metareplace dx mirror or RAID5 old_soft_partition new_soft_partition

Solaris Volume Manager metahs -e Command Fails On Copper Cable
Storage Boxes When Failed Hot Spare Disk Has Been Swapped Out
(4644106)

The metahs -e command might fail if you encounter the following circumstances.

1. A hot spare device encounters a problem, such as an induced error using the
   metaverify test utility.

2. Solaris Volume Manager software attempts to activate the hot spare when an error
   occurs on a metadevice. The hot spare is marked broken.
3. The system is brought down and the failed disk containing the hot spare is replaced with a new disk at the same location.

4. The system is booted and Solaris Volume Manager software does not recognize the new hot spare.

5. The `metahs -e` command is issued to enable the hot spare on the new disk.

The following message is displayed.

WARNING: md: d0: open error of hotspare (Unavailable)

The failure occurs because the Solaris Volume Manager software does not internally recognize the new hot spare disk that was swapped into the same physical location. The Solaris Volume Manager software will continue to display the device ID of the disk that is no longer in the system.

**Note** – This failure is not known to occur on a Photon or storage enclosures where the device number changes when a disk is replaced.

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

- Follow these steps to update the device ID for the hot spare disk in the Solaris Volume Manager state database.
  1. Become superuser.
  2. Type the following command to update the device ID for the hot spare disk.
     
     ```
     # metadevadm -u logical-device-name
     ```
  3. Type the following command to make the new hot spare disk available.
     
     ```
     # metareplace -e logical-device-name
     ```

- Follow these steps to manage the hot spares and hot spare pools on the system.
  1. Become superuser.
  2. Type the following command to delete the entry for the hot spare slice.
     
     ```
     # metahs -d hsp hot-spare-pool-number logical-device-name
     ```
  3. Type the following command to create a new entry for the hot spare slice at the same location with the correct device ID.
     
     ```
     # metahs -a hsp hot-spare-pool-number logical-device-name
     ```

**Solaris Volume Manager metadevadm Command Fails If Logical Device Name No Longer Exists (4645721)**

You cannot replace a failed drive with a drive that has been configured with the Solaris Volume Manager software. The replacement drive must be new to Solaris Volume Manager software. If you physically move a disk from one slot to another on a
Photon, the metadevadm command might fail. This failure occurs when the logical device name for the slice no longer exists, but the device ID for the disk remains present in the metadevice replica. The following message is displayed.

Unnamed device detected. Please run ‘devfsadm && metadevadm -r to resolve.

**Note** – You can access the disk at the new location during this time, but you might need to use the old logical device name to access the slice.

**Workaround:** Physically move the drive back to its original slot.

**Solaris Volume Manager metarecover Command Fails to Update metadb Namespace (4645776)**

If you remove and replace a physical disk from the system, and then use the metarecover -p -d command to write the appropriate soft partition specific information to the disk, the command causes an open failure. The command does not update the metadevice database namespace to reflect the change in disk device identification. This condition causes an open failure for each such soft partition that is built on top of the disk. The following message is displayed.

Open Error

**Workaround:** Create a soft partition on the new disk instead of issuing the metarecover command to recover the soft partition.

**Note** – If the soft partition is part of a mirror or RAID5, use the metareplace command without the -e option to replace the old soft partition with the new soft partition.

# metareplace dx mirror or RAID5 old_soft_partition new_soft_partition

**Xserver Bug**

**Xsun Might Crash on Machines Without a Keyboard Attached (4651949)**

If you start Xsun on a machine without a keyboard attached, Xsun might crash. A Segmentation Fault error message might display on the system console. If coreadm settings have been changed, Xsun might produce a core dump.

**Workaround:** To prevent Xsun from starting, follow these steps:

1. Access the machine on which the Xsun process terminated.
2. Become superuser.
3. Verify that the /etc/dt/config/Xservers file exists on your system.
   
   If the file does not exist, type the following command in a terminal window.
# mkdir -p /etc/dt/config ; cp /usr/dt/config/Xservers /etc/dt/config/

4. Edit the /etc/dt/config/Xservers file by adding # to the beginning of the line that contains either of the following strings.
   - /usr/openwin/bin/Xsun
   - /usr/openwin/bin/X

5. Reset dtlogin.
   # /etc/init.d/dtlogin reset

**Note** – Subsequent executions of Xsun do not require the above workaround.

---

**Networking Bugs**

*libresolv.so.2 Exhausts Swap File Space With Multithreaded Applications When DNS is Specified in /etc/nsswitch.conf (4646349)*

If DNS is specified for hosts or ipnodes lookup in the /etc/nsswitch.conf file, and your system is running multithreaded applications, the nscd daemon might crash. This problem occurs because the nscd daemon slowly grows in size, and can consume up to 4 Gbytes of swap space. If all swap space becomes exhausted, then nscd might crash, and other new processes might suffer from various random errors.

**Workaround:** To avoid this problem, modify the nscd settings by following these steps.

1. Become superuser.
2. Stop the nscd daemon.
   # /etc/init.d/nscd stop
3. Add or modify the following lines in the /etc/nscd.conf file.
   - keep-hot-count hosts 0
   - keep-hot-count ipnodes 0
4. Restart the nscd daemon.
   # /etc/init.d/nscd start

**Note** – Not running the nscd will cause the same leak to appear in any multithreaded applications doing host lookups.

---

*Idle Solaris PPP 4.0 Daemon Might Exit During Holdoff Period (4647938)*

The Solaris Point-to-Point Protocol (PPP) 4.0 daemon (pppd) might unexpectedly exit under the following conditions.

- The pppd daemon is idle.
The demand and holdoff options to the pppd daemon are enabled.

A packet arrives during the holdoff period.

If the pppd daemon exits unexpectedly, a message similar to the following message is logged in the appropriate system log file.

```
current date hostname pppd[PID]: [ID 702911 daemon.error] unable
to set IP to pass: Invalid argument
current date hostname pppd[PID]: [ID 702911 daemon.error] unable to
enable IPCP
```

See the man page pppd(1M) for more information on the demand and holdoff options to the pppd daemon.

Workaround: Choose one of the following workarounds.

- If you do not need the pppd daemon to wait before the daemon tries to re-initiate links, do not use the holdoff option with the pppd daemon.
- Set the holdoff option value to 0.
- Run the pppd daemon from a loop script similar to the following Bourne shell script.

```sh
#!/bin/sh
while :; do
  /usr/bin/pppd cua/b lock idle 60 demand nodetach noauth \
  38400 10.0.0.1:10.0.0.2 holdoff 20
done
```

Configuring Multiple Tunnels Between Two IP Nodes With Filtering Enabled Might Result in Packet Loss (4152864)

If you configure multiple IP tunnels between two IP nodes, and enable ip_strict_dst_multihoming or other IP filters, packet loss might result.

Workaround: Choose one of the following workarounds.

- Configure a single tunnel between the two IP nodes and add addresses to the tunnel by using the ifconfig command with the addif option.
- Do not enable ip_strict_dst_multihoming on tunnels between two IP nodes.

Security Bugs

Unlocking CDE Screenlock Removes Kerberos Version 5 Credentials (4674474)

If you unlock a locked CDE session, all your cached Kerberos Version 5 (krb5) credentials might be removed, and you might not be able to access various system utilities. This problem occurs under the following conditions.

- In the /etc/pam.conf file, the dtsession services for your system are configured to use the krb5 module by default.
You lock your CDE session, and then try to unlock the session.

If this problems occurs, the following error message is displayed.

lock screen: PAM-KRB5 (auth): Error verifying TGT with host/host-name:
Permission denied in replay cache code

Workaround: Add the following non-pam_krb5 dtsession entries to the
/etc/pam.conf file.

dtsession auth requisite pam_authtok_get.so.1
dtsession auth required pam_unix_auth.so.1

With these entries in the /etc/pam.conf file, the pam_krb5 module does not run by
default.

CDE Calendar Server Daemon Might Run Out of File Descriptors (4641721)
The CDE Calendar server daemon (rpc.cmsd) might run out of file descriptors. If this
problem occurs, calendar users can view their calendar, but cannot add new
appointments. An Unknown Error message is displayed.

Workaround: Choose one of the following workarounds.

- If this problem occurs, follow these steps.
  1. Become superuser on the calendar server.
  2. Kill the calendar server daemon.
     
    # pkill rpc.cmsd

    Note – By default, the rpc.cmsd service is enabled in the /etc/inetd.conf
    file, and does not need to be restarted. If the rpc.cmsd service is disabled on
    the calendar server, you must restart the rpc.cmsd daemon after you kill the
daemon process.

- To avoid this problem, apply patch ID 112617-01.

    Note – See the SunSolve℠ Web site at http://sunsolve.sun.com for patches
    for previous releases of the Solaris operating environment.

CDE Removable Media Auto Run Functionality Removed From the Solaris 9
Operating Environment (4483353)
The Removable Media auto run functionality in the CDE desktop environment has
been temporarily removed from the Solaris 9 operating environment to mitigate
potential security issues.
To use the auto run functionality for a CD-ROM or another removable media volume, you must do one of the following:

- Run the `volstart` program from the top level of the removable media file system
- Follow the instructions included with the CD for access from outside of CDE

**Note** – For the latest information on security issues and patches, check the SunSolve web site at http://sunsolve.sun.com. All security patches are available from the SunSolve site without a support contract.

cron, `at`, and `batch` **Cannot Schedule Jobs for Locked Accounts (4622431)**

In the Solaris 9 operating environment, locked accounts are treated in the same way as expired or nonexistent accounts. As a result, the `cron`, `at`, and `batch` utilities cannot schedule jobs on locked accounts.

**Workaround:** To enable locked accounts to accept `cron`, `at`, or `batch` jobs, replace the password field of a locked account (*LK*) with the string `NP` (for no password.)

**Additional Software Bug**

**Veritas Volume Manager Might Fail on Systems Running Solaris 9 Operating Environment (4642114)**

If you try to perform various tasks with Veritas Volume Manager on a system that is running the Solaris 9 operating environment, the `vxddladm addjob` or `vxddladm addsupport` utilities might core dump.

**Workaround:** Follow these steps.

1. Become superuser.
2. Verify that the `/var/ld/ld.config` file and `/usr/bin/crle` utility exist on the system.
3. Type the following commands in a terminal window.

   ```
   # /usr/bin/cp /var/ld/ld.config /var/ld/ld.config.save
   # /usr/bin/crle -E LD_LIBRARY_PATH=/usr/lib
   # appropriate-vxddladm-command
   # /usr/bin/mv /var/ld/ld.config.save /var/ld/ld.config
   ```

**Documentation CD Issues**

**iPlanet Directory Server 5.1 Documentation Links Do Not Work Properly**

In the iPlanet Directory Server™ 5.1 Collection, links titled DocHome and links between separate books do not work. If you select these links, your browser displays a Not Found error.

**Workaround:** Choose one of the following workarounds.
To navigate between iPlanet Directory Server 5.1 documents on your system, go to the iPlanet Directory Server 5.1 Collection page, then click the link to the document you want to view.


**SUNWsdocs Package Necessary to Remove Other Documentation Packages**

If you remove the SUNWsdocs package, then try to remove other documentation packages, the removal fails. This problem occurs because the SUNWsdocs package is installed with any collection and provides the browser entry point.

**Workaround:** If you removed the SUNWsdocs package, reinstall the SUNWsdocs package from the documentation media and then remove the other documentation packages.

**Documentation CD Bugs**

**European Locale PDF Documents Available Only Through C Locale (4674475)**

In the Solaris 9 operating environment, and other UNIX based systems, PDF documents on the Solaris 9 Documentation 1 of 2 CD are not accessible in the following European locales.

- de (German)
- es (Spanish)
- fr (French)
- it (Italian)
- sv (Swedish)

This problem occurs because of a limitation with Adobe Acrobat Reader. For more information on this problem, see the Adobe Technote site at http://www.adobe.com:80/support/techdocs/294de.htm.

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

- In the Solaris 9 operating environment, and other UNIX based systems, set the environment variable LC_ALL to C acroread. For example, in the C shell, type the following command in a terminal window.

  ```
  % env LC_ALL=C acroread
  ```

- In non-UNIX based systems, upgrade to Adobe Acrobat Reader 5.0.

**Removing Solaris 9 Documentation Packages Might Unexpectedly Uninstall Some Solaris 9 Documentation Collections (4641961)**

Some Solaris 9 documentation collections might unexpectedly be removed from your system if the following occurs.

1. You install both the Solaris 9 Documentation 1 of 2 and 2 of 2 CDs on your system.
2. You then use the `prodreg` utility or the Solaris 9 Documentation CD installer program to remove certain documentation packages.

The Solaris 9 Documentation CD 1 of 2 and 2 of 2 have three collections in common. If you remove the packages that contain these collections from either the Solaris 9 Documentation 1 of 2 and 2 of 2 CD installations, the package is removed for both installations.

The following table lists the packages that might be removed unexpectedly.

<table>
<thead>
<tr>
<th>HTML Package Names</th>
<th>PDF Package Names</th>
<th>Collection Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUNWsaadm</td>
<td>SUNWpaadm</td>
<td>Solaris 9 System Administrator Collection</td>
</tr>
<tr>
<td>SUNWdev</td>
<td>SUNWpdev</td>
<td>Solaris 9 Developer Collection</td>
</tr>
<tr>
<td>SUNWids</td>
<td>SUNWpids</td>
<td>iPlanet Directory Server 5.1 Collection</td>
</tr>
</tbody>
</table>

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

- If the uninstall process unexpectedly removed these documentation packages and you want these packages on your system, reinstall the packages from the Solaris 9 Documentation 1 of 2 or 2 of 2 CDs.

- To avoid this problem, use the `pkgrm` utility to remove the packages you want to eliminate from your system.

**Localization Bugs**

**AltGraph-E Does Not Produce Euro Character in `en_US.UTF-8` Locale (4633549)**

In the `en_US.UTF-8` locale, you cannot input the Euro character by simultaneously pressing the AltGraph and E keys.

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

- Press and release the Compose key, then press and release the C key, then press and release the = key (Compose+C+=).

- Press the Alt key while you press the 4 key (Alt-4).
Shift-U Does Not Work as Expected in Arabic Locales (4303879)

To generate the diacritic character in Arabic locales, type the Arabic character, then Shift-U.

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 ISO–1 equivalent.

```
# echo $LC_COLLATE
> es_ES.UTF-8
# LC_COLLATE=es_ES.ISO8859-1
# export LC_COLLATE
Then start sorting.
```

Smartcard and Secure Shell Applications Are Not Fully Localized (4304495, 4680353)

Some parts of the Smartcard and Secure Shell applications are not localized, and cannot be fully translated.

iPlanet Directory Server Issues

Setup Issue

When entering Distinguished Names during installation, use the UTF-8 character set encoding. Other encodings are not supported. Installation operations do not convert data from local character set encoding to UTF-8 character set encoding. LDIF files used to import data must also use UTF-8 character set encoding. Import operations do not convert data from local character set encoding to UTF-8 character set encoding.

Schema Issues

The schema provided with the iPlanet Directory Server 5.1 differs from that specified in RFC 2256 for the groupOfNames and groupOfUniqueNames object classes. In the schema provided, the member and uniquemember attribute types are optional. RFC 2256 specifies that at least one value for these types must be present in the respective object class.

The aci attribute is an operational attribute. It is not returned in a search unless you explicitly request it.

Replication Issue

Multi-Master Replication over WAN is currently not supported.
Server Plug-in Issues

iPlanet Directory Server 5.1 provides the UID Uniqueness plug-in. By default the plug-in is not activated. To ensure attribute uniqueness for specific attributes, create a new instance of the Attribute Uniqueness plug-in for each attribute. For more information on the Attribute Uniqueness plug-in, refer to the iPlanet Directory Server 5.1 Administrator’s Guide.

The Referential Integrity plug-in is now off by default. The Referential Integrity plug-in should only be enabled on one master replica in a multi-master replication environment to avoid conflict resolution loops. Before enabling the Referential Integrity plug-in on servers issuing chaining requests, analyze your performance resource, time, and integrity needs. Integrity checks can consume significant memory and CPU resources.

Roles and Class of Service Issue

The nsRoleDN attribute is used to define a role. It should not be used for evaluating role membership in a user’s entry. When evaluating role membership, look at the nsrole attribute.

Indexing Issue

If VLV indexes encompass more than one database, they do not work correctly.

iPlanet Directory Server Bugs

Cannot Inactivate Users Through Console (4521017)

If you launch the iPlanet Directory Server 5.1 Console and create a new user or role as inactive, the newly created user or role is not inactivated. Users and roles cannot be created through the Console as inactive.

Workaround: To create an inactive user or role, follow these steps:

1. Create a new user or role.
2. Double-click the newly created user or role (or select it and click the Properties item from the Object menu).
3. Click the Account tab.
4. Click the Inactivate button.
5. Click OK.

The newly created user or role is Inactivated.
Cannot Configure Directory With Root Suffix That Contains Spaces (4526501)

If the user specifies a base DN containing a space, for example, o=U.S. Government, C=US at iPlanet Directory Server configuration time, the resulting DN is truncated to Government, C=US. At configuration time, the DN should be entered as o=U.S. %20Government, C=US.

Workaround: To correct the base DN entry, follow these steps.
1. Select the top directory entry in the left-hand navigation pane of the Servers and Applications tab on the Console.
2. Edit the suffix in the User directory subtree field.
3. Click OK.

Password Policy Information Is Not Synchronized Between Servers (4527608)

If you update a non-master directory server with password policy information, that information will not be replicated to all other servers. This includes account lockouts.

Workaround: Manage password policy information manually on each server.

Account Lockout Remains in Effect After User Password Is Changed (4527623)

If Account Lockout is in effect and the user password is changed, Account Lockout remains in effect.

Workaround: Reset the accountUnlockTime, passwordRetryCount, and retryCountResetTime lockout attributes to unlock the account.

Console Backup Immediately After Install Fails (4531022)

If you install the iPlanet Directory Server, start the console, initialize the directory with an LDIF file and then backup the server, the Console reports the backup was successful, but it has actually failed.

Workaround: Perform the following tasks from the Console after you initialize the database:
1. Stop the server.
2. Restart the server.
3. Perform the backup.

Server Ignores Case Sensitive Syntax When Normalizing DN Attributes (4630941)

If you are using LDAP naming services, creating automount path names which are the same except for case will result in non-unique path names. The directory server does not allow creation of entries where the naming attribute is defined with a case-sensitive syntax and an entry already exists with the same name, but different case.
For example, if entry `attr=foo,dc=mycompany,dc=com` exists, the server will not allow creation of `attr=Foo,dc=mycompany,dc=com`. A side effect of this problem is when LDAP naming services are used, automount path names have to be unique regardless of their case.

**Note** – It is not possible to have `/home/foo` and `/home/Foo` paths.

**Workaround:** None.

**Stopping Server During Export, Backup, Restore or Index Creation Crashes Server (4678334)**

If the server is stopped during export, backup, restore or index creation, the server will crash.

**Workaround:** Do not stop the server during these types of operations.

**Replication Unable to Use Self-Signed Certificate (4679442)**

If the user attempts to configure replication over SSL with certificate-based authentication and the supplier’s certificate is self-signed or the supplier’s certificate is only capable of behaving as an SSL server certificate that is unable to "play" the role of the client during an SSL handshake, replication will not work.

**Workaround:** None.
End-of-Software Support Statements

This chapter lists end-of-support statements.

The following end-of-software support statements have been added since this document was published on the Solaris 9 Documentation CD and in the Installation Kiosk on the Solaris 9 Installation CD.

- “Sun StorEdge A3000, A3500 and A3500FC Storage Arrays” on page 53
- “Asian Short dtlogin Names” on page 54
- “Korean CID Fonts” on page 54

Features Removed From the Solaris 9 Operating Environment

adb(1) Map Modifiers and Watchpoint Syntax

The adb(1) utility is implemented as a link to the new mdb(1) utility in this release of the Solaris operating environment.

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

- The text output format of some subcommands is different in mdb(1). Macro files are formatted by using the same rules, but scripts that depend on the output of other subcommands might need to be modified.
- The watchpoint-length specifier syntax in mdb(1) is different from the syntax that is described in adb(1). The adb(1) watchpoint commands :w, :a, and :p enable an integer length (in bytes) to be inserted between the colon and the command character. In mdb(1), the count should be specified after 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).
**AnswerBook2 Server**

The AnswerBook2™ server is no longer included in this release. Existing AnswerBook2 servers can run on the Solaris 9 operating environment. Solaris documentation is available on the Solaris Documentation CD in online formats. All Solaris documentation is also always available at [http://docs.sun.com](http://docs.sun.com).

**aspppd(1M) Utility**

The aspppd(1M) utility is no longer included in this release. Use the pppd(1M) utility with Solaris PPP 4.0 that is included in the Solaris 9 operating environment.

**ATOK8 Japanese Input Method**

The ATOK8 Japanese input method is no longer supported in this release. The ATOK12 Japanese input method that is included in the Solaris 9 operating environment provides functionality similar to ATOK8, with several enhancements.

**crash(1M) Utility**

The crash(1M) utility is no longer supported in this release. In the Solaris 9 operating environment, the mdb(1) utility provides similar functionality to the crash command by examining system crash dump files. The crash command’s interface has been structured around implementation details, such as slots, that have no relation to the Solaris operating system implementation.

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

**Crash Dump Options for Solaris ipcs(1) Command**

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

**cs00 Japanese Input Method**

The cs00 Japanese input method is no longer supported in the Solaris 9 operating environment. Related interfaces, such as the xci interface, the Japanese Feature Package (JFP) libmle API, and the mle command, are also no longer supported in the Solaris 9 operating environment.

If you upgrade to the Solaris 9 operating environment from a previous release, the existing public user dictionary /var/mle/ja/cs00/cs00_u.dic will be removed.

Two Japanese input methods, ATOK12 and Wnn6, are supported in the Solaris 9 operating environment. For more information on these input methods, see *International Language Environments Guide*.
Early Access (EA) Directory

The name of the EA directory has been changed to ExtraValue in the Solaris 9 operating environment.

Emulex MD21 Disk Controller for ESDI Drives

The MD21 disk controller for ESDI drives is no longer supported in the Solaris 9 operating environment.

enable_mixed_bcp Tunable

The enable_mixed_bcp tunable is no longer supported in this release. In Solaris releases prior to the Solaris 9 operating environment, the /etc/system variable enable_mixed_bcp could be set to 0 to disable dynamic linking of partially statically linked SunOS™ 4.0 and compatible executables. The system used dynamic linking for these executables by default. In the Solaris 9 operating environment, dynamic linking is always used for these executables, and the enable_mixed_bcp tunable has been removed from the system. This change does not affect binary compatibility for SunOS 4.0 and compatible executables in any way.

japanese Locale Name Alternate

The japanese locale name alternate of the ja Japanese Extended UNIX® Code (EUC) locale is no longer supported in this release. This locale name facilitated migration from the Solaris 1.0 release, and compatible releases. You can use ja or ja_JP.eucJP as the Japanese EUC locale with the Solaris 9 operating environment. The Solaris 1.0 BCP (JLE) application, and compatible versions, can still run in the Solaris 9 operating environment without any changes.

Java Software Developer’s Kit (SDK) 1.2.2

Version 1.2.2 of the Java™ SDK (SUNWj2dev) is no longer included in the Solaris 9 release. Near-equivalent functionality is supported by Java 2 Standard Edition, versions 1.4 and compatible versions. Current and previous versions of 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 are no longer supported in this release. Near-equivalent functionality is supported by Java 2 Standard Edition, versions 1.4 and compatible versions. Current and previous versions of JDK and JRE are available for download from http://java.sun.com.

OpenWindows Toolkits for Developers

Development in the OpenWindows™ XView™ and OLIT toolkits is no longer supported in this release and developers are encouraged to migrate to the Motif toolkit. Applications that were developed with the OpenWindows XView and OLIT toolkits can still run on the Solaris 9 operating environment.
OpenWindows Environment for Users

The OpenWindows environment is no longer supported in this release. The Common Desktop Environment (CDE) is the default desktop environment that is included in the Solaris 9 operating environment. Applications that use the OpenWindows XView and OLIT toolkits can still run on the Solaris 9 operating environment in CDE.

Priority Paging and Related Kernel Tunables

(priority_paging/cachefree)

The priority_paging and cachefree tunable parameters are not supported in the Solaris 9 release. These parameters have been replaced with an enhanced file system caching architecture that implements paging policies similar to priority paging, but always enabled. Attempts to set these parameters in the /etc/system file result in boot-time warnings such as the following:

```
sorry, variable 'priority_paging' is not defined in the 'kernel'
sorry, variable 'cachefree' is not defined in the 'kernel'
```

If you upgrade to the Solaris 9 release or pkgadd the SUNWcsrc packages and your /etc/system file includes the priority_paging or cachefree parameters, the following occurs:

1. The following message is displayed if the priority_paging or cachefree parameters are set in the /etc/system file:

   ```
   NOTE: /etc/system has been modified since it contains references to priority paging tunables. Please review the changed file.
   ```

2. Comments are inserted in the /etc/system file before any line that sets priority_paging or cachefree. For example, if priority_paging is set to 1, this line is replaced with the following lines:

   ```
   * NOTE: As of Solaris 9, priority paging is unnecessary and has been removed. Since references to priority paging-related tunables will now result in boot-time warnings, the assignment below has been commented out. For more details, see the Solaris 9 Release Notes, or the "Solaris Tunable Parameters Reference Manual".

   * set priority_paging=1
   ```

s5fs File System

The s5fs file system is no longer supported in this release. The s5fs file system supports the installation of Interactive UNIX applications which is no longer required in the Solaris operating environment.
**sendmail Utility Features**

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

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

**Sun StorEdge A3000, A3500 and A3500FC Storage Arrays**

The Sun StorEdge™ A3000, A3500 and A3500FC work group storage arrays are no longer supported in the Solaris 9 operating environment.

**SUNWebnfs**

The SUNWebnfs package is no longer included on the Solaris operating environment media.

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

**sun4d-Based Servers**

The following servers that are based on the sun4d architecture are no longer supported in this release.

- SPARCserver™ 1000
- SPARCcenter™ 2000

Hardware options that are dependent on the sun4d architecture are no longer supported in this release.

**SUNWrdm**

The SUNWrdm package, which formerly contained text release notes, is no longer included on the Solaris Software CD in this release.

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

**Features That Might Be Removed in a Future Release**

**AdminTool**

AdminTool (admintool), including swmtool, might not be supported in a future release.
Asian Short dtlogin Names
Asian short locale names, including zh, zh.GBK, zh.UTF-8, ko, ko.UTF-8, and zh_TW, might not be listed in the dtlogin language list in a future release. The Solaris 8 and Solaris 9 releases provide new ISO standard locale names, including zh_CN.EUC, zh_CN.GBK, zh_CN.UTF-8, ko_KR.EUC, ko_KR.UTF-8, and zh_TW.EUC.

Device Management Entries in power.conf
The Device Management entries in power.conf(4) might not be supported in a future release. Similar functionality is provided by the Automatic Device Power Management entries in the Solaris 9 operating environment.

Federated Naming Service (FNS)/XFN Libraries and Commands
The Federated Naming Service that is based on the X/Open XFN standard might not be supported in a future release.

GMT Zoneinfo Time Zones
The /usr/share/lib/zoneinfo/GMT[+-]* time zones might not be supported in a future release. These files might be removed from /usr/share/lib/zoneinfo. Replace usage of the zoneinfo time zones with the equivalent Etc/GMT[+-]* file. See the man pages zoneinfo(4) and environ(5) for more information.

JRE 1.2.2

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

Korean CID Fonts
Korean CID fonts might not be supported in a future release. You can use the Korean TrueType fonts that are included in the Solaris operating environment as a replacement for Korean CID fonts.
Lightweight Directory Access Protocol (LDAP) Client Library

LDAP client library, libldap.so.3, might not be included in a future release. The current version of this library, libldap.so.5, is compliant with the draft-ietf-ldapext-ldap-c-api-05.txt revision of the ldap-c-api draft from the Internet Engineering Task Force (IETF).

NIS+

NIS+ might not be supported in a future release. Tools to aid the migration from NIS+ to LDAP are available in the Solaris 9 operating environment. For more information, visit http://www.sun.com/directory/nisplus/transition.html.

pam_unix(5) Module

The pam_unix(5) module might not be supported in a future release. Similar functionality is provided by pam_authtok_check(5), pam_authtok_get(5), pam_authtok_store(5), pam_dhkeys(5), pam_passwd_auth(5), pam_unix_account(5), pam_unix_auth(5), and pam_unix_session(5).

Perl Version 5.005_03

Perl version 5.005_03 might not be supported in a future release. In the Solaris 9 operating environment, the default version of Perl has been changed to a version that is not binary compatible with the earlier version (5.005_03), although the earlier version is still retained for compatibility. Customer-installed modules need to be rebuilt and reinstalled against the new version. Modify any scripts that require the use of version 5.005_03 to explicitly use the 5.005_03 version of the interpreter (/usr/perl5/5.005_03/bin/perl) instead of the default version (/bin/perl, /usr/bin/perl, or /usr/perl5/bin/perl).

Power Management I/O Control Commands

The following power management I/O control commands (ioctl's) might not be supported in a future release.

- PM_DISABLE_AUTOPM
- PM_REENABLE_AUTOPM
- PM_SET_CUR_PWR
- PM_GET_CUR_PWR
- PM_GET_NORM_PWR

The following alternative ioctl's are supported in the Solaris 9 operating environment.

- PM_DIRECT_PM
- PM_RELEASE_DIRECT_PM
- PM_GET_CURRENT_POWER
- PM_SET_CURRENT_POWER
- PM_GET_FULL_POWER

For more information on these alternative ioctl's, see the pm(7D) man page.

End-of-Software Support Statements
**Solaris Volume Manager Transactional Volume**

Solaris Volume Manager’s Transactional Volumes (trans metadevices) might not be supported in a future release to reduce redundancy on the Solaris feature set. Similar functionality is provided by UFS Logging, included in the Solaris 8 operating environment, and compatible versions.

**Solstice Enterprise Agents**

Solstice Enterprise Agents might not be supported in a future release.

**SPC Driver**

The SPC driver might not be supported in a future release.

**sun4m Hardware**

sun4m hardware might not be supported in a future release of the Solaris operating environment.

**XIL**

XIL might not be supported in a future release. An application that uses XIL causes the following warning message to be displayed.

```
WARNING: XIL OBSOLESCENCE
This application uses the Solaris XIL interface
which has been declared obsolete and may not be
present in version of Solaris beyond Solaris 9.
Please notify your application supplier.
The message can be suppressed by setting the environment variable
"_XIL_SUPPRESS_OBSOLETE_MSG".
```

**xutops Print Filter**

The xutops print filter might not be supported in a future release. Similar functionality is provided by the mp(1) print filter in the Solaris 9 operating environment.
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 9 Documentation CD and in the Installation Kiosk on the Solaris 9 Installation CD.

- “Document Affected: Solaris 9 Package List” on page 57
- “Document Affected: Solaris 9 Installation Guide” on page 57

Documentation Errata

**Document Affected: Solaris 9 Package List**

The LDAP package SUNWlldap is not included in “Solaris 9 Operating Environment Package List” in Solaris 9 Package List. The SUNWlldap package is included in the Solaris 9 operating environment, and is included in the Core, End User, Developer, Entire, and Entire+OEM metaclusters.

**Document Affected: Solaris 9 Installation Guide**

In the “System Requirements” and “Solaris suninstall Program” sections of the Solaris 9 Installation Guide, the minimum memory requirements are erroneously listed as 96 Mbytes. The Solaris 9 operating environment requires a memory size of 128 Mbytes or greater.

**Document Affected: sysidcfg(4) Man Page and Solaris 9 Installation Guide**

The sysidcfg(4) man page and Solaris 9 Installation Guide instruct you to use only an IP address with the default_route option in the sysidcfg file. However, you can also use the NONE keyword with the default_route option.
Document Affected: re-preinstall(1M) Man Page

“Example 1: Installing the JumpStart Software” in the re-preinstall(1M) man page should read as follows.

The following procedure installs the JumpStart software on a system’s own default boot disk:

1. From the ok prompt, boot the system from the Solaris Media (DVD or 1 of 2 CD ) in single user mode:

   ok boot cdrom -s

2. With the re-preinstall command, install the JumpStart software on the system’s default boot disk, which is a slice on the disk (usually slice 0) where the system automatically boots. (The system’s default boot disk is probably where the current root (/) file system is located, which can be determined with the format(1M) command.) For example, the following command installs the JumpStart software on the system’s default boot disk, c0t3d0s0 on a Solaris 9 system.

   example# /usr/sbin/install.d/re-preinstall c0t3d0s0
   example# sync ; sync ; sync ; reboot disk:b

Document Affected: Solaris WBEM SDK Developer’s Guide

In the Solaris CIM schema, the following classes and properties are tagged with the Deprecated qualifier.

- Solaris_LogRecord class
- Solaris_LogService class
- Solaris_LogServiceSetting class
- Solaris_LogServiceSetting class
- OptionsEnabled property in Solaris_IPProtocolEndpoint class

Use suitable alternatives to these deprecated classes and properties. Refer to the class description qualifiers to determine the correct class and property alternatives.


If you create WBEM clients that use the RMI protocol with the javax.com.sun.client API and want to connect to a server that is running the Solaris 8 operating environment, you must include the /usr/sadm/lib/wbem/cimapi.jar file in the client’s CLASSPATH. The cimapi.jar file includes the com.sun.wbem classes that are required to communicate with a server that is running the Solaris 8 operating environment.
Released Patches Integrated In the Solaris 9 Operating Environment

This is a list of recent revisions of Solaris patches whose fixes are included in the Solaris 9 operating environment.

To provide you with current information about the latest patch revisions whose bug fixes have been included in the Solaris 9 release, this list provides the following information about officially released Solaris 2.6, 7, 8, and 9 patches.

- Patch ID number
- Synopsis of the issue the patch addresses
- Sun bug ID numbers the patch resolves

For more information on individual patches, see the SunSolve Web site at http://sunsolve.sun.com.

List of Integrated Patches

- 103346-29 – Hardware/PROM: Sun Enterprise 3x00/4x00/5x00/6x00 flashprom update
  4227029 4337390 4363705 4363710 4367704 4369737 4372421 4372901 4376898 4382335 4382936 4392578 4401657 4403815 4412551 4427581 4430346 4431288 4452390 4469179

- 104018-08 – Solstice Site/SunNet/Domain Manager 2.3 Rev B: jumbo patch
  4349410

- 104169-08 – Hardware/PROM: Ultra 2 Standalone Flash PROM Update
  4310258 4174299 4200529 4256699

- 104190-14 – Solstice CMIP 8.2.1: patch for runtime and examples fixes
  4291455 4310758 4280650

- 104288-07 – Hardware/PROM: Ultra 1E Standalone Flash PROM Update
  4310258 4256699

- 104366-10 – Fortran 90 1.2: Patch for Fortran 90 1.2
  4199419
- 104468-19 – Solstice AdminSuite 2.3/AutoClient 2.1: y2000 NIS+ BSM

- 104529-15 – FORTRAN 77 4.2: Patch for FORTRAN 77 4.2

- 104631-07 – SPARCompiler C++ 4.2: C++ 4.2 patch for Solaris 2.x

- 104632-11 – SPARCompiler Pascal 4.2: Patch for Pascal 4.2

- 104668-09 – SPARCompiler C 4.2: C patch for Solaris 2.x

- 104731-06 – WorkShop IPE 4.0: Patch for dbx

- 104829-02 – FLEXlm 4.1c: Patch for FLEXlm 4.1c and lit/lit_tty

- 104839-06 – Hardware, 4.2GB Disks: Download program and ST15230 0764 firmware

- 104844-06 – WorkShop IPE 4.0: Patch

- 104881-07 – Hardware/PROM: Ultra 1 (non-E) Standalone Flash PROM Update

- 104919-04 – TeamWare 2.0: Patch for TeamWare 2.0

- 105022-03 – Solstice Frame Relay 2.0.1

- 105079-03 – Solstice RFC1006/TLI Module 1.0: Patch

- 105084-16 – Solstice X25 9.1 patch

- 105515-28 – SunLink 3270 Open Client 9.1: Patch 105515-28

- 105849-02 – TMN Agent Tester jumbo patch

- 105937-10 – SunLink 3770 Device Emulator, 9.1: patch 105937-10

- 106122-09 – Hardware/PROM: Enterprise 450 / Ultra 450 Standalone Flash PROM Update: sun4u enterprise 450 / ultra 450 only

- 106144-27 – SunOS 5.7: Elite3D AFB Graphics Patch.sun4u

- 106147-06 – SunOS 5.7: VIS/XIL Graphics Patch

- 106164-21 – SunLink SNA GMAN Gateway Manager, 9.1: Patch 106164-21

- 106165-12 – SunLink SNA GMI Graphical Interface, 9.1: Patch 106165-12

- 106392-02 – ShowMe TV 1.2.1: ShowMe TV application patch

- 106455-11 – Hardware/PROM: Ultra 60 & E220R Standalone Flash PROM Update

- 106463-04 – TMNscript patch

- 106503-06 – Hardware/PROM: Enterprise 250 Standalone Flash PROM Update

- 106513-04 – RAID Manager 6.1.1: RM6.1.1 status chk, TX chip support, data error

- 106514-10 – Sun Internet Mail Server 3.5: Misc. fixes

- 106621-10 – Sun Directory Services 3.1 patch

- 106627-11 – Solstice DiskSuite 4.2: Product Patch

- 106646-03 – SNC 3.2: rpc.pcnfsd has security problem, also hangs and dumps core

- 106725-02 – OpenWindows 3.6.1: mailtool vacation security patch
- 106733-07 – SunOS 5.7: Create a patch analyzer

- 106736-02 – Solstice Backup 5.1.1: Product Patch

- 106738-08 – SunFDDI: SBus 6.0 AP failure, panic, stat

- 106739-12 – SunFDDI/P 2.0: Enhancements

- 106748-04 – SunOS 5.7: /usr/ccs/bin/sccs and /usr/ccs/bin/make patch

- 106760-02 – PPP 3.0.1: 64-bit clean code, /var permissions

- 106765-08 – Sun Gigabit Ethernet 2.0: Patch for Solaris 7 ge driver

- 106793-07 – SunOS 5.7: ufsdump and ufsrestore patch

- 106817-04 – Hardware, 9GB Disks: Download program and ST39173W 4315 firmware

- 106822-07 – Solstice CMIP 8.2.1: patch for runtime and examples fixes

- 106857-10 – SunOS 5.7: ISO8859-15 bug fixes and EOL Openwindows support.

- 106887-02 – SunOS 5.7: SunVideo 1.4 Patch

- 106888-02 – SunOS 5.7: Buttons/Dials Patch

- 106922-11 – SunHSI/P 2.0: HSIP driver, test hardness, multiboard, loopback

- 106926-10 – SunOS 5.7: sdtudctool, sdtudc_register and sdtudc_extract patch

- 106934-04 – CDE 1.3: libDtSvc Patch

- 106938-04 – SunOS 5.7: libresolv patch
106944-03 – SunOS 5.7: /kernel/fs/fifo and /kernel/fs/sparcv9/fifo patch

106946-07 – SunOS 5.7: /usr/sbin/sar Patch

106952-03 – SunOS 5.7: /usr/bin/uux patch

106955-05 – SunSAI/P 2.0: fixes and enhancements

106978-12 – SunOS 5.7: sysid patch

107014-02 – XIL 1.4: Deskset Loadable Pipeline Libraries Patch

107018-03 – SunOS 5.7: /usr/sbin/in.named patch

107022-08 – CDE 1.3: Calendar Manager patch

107026-12 – SunOS 5.7: ucblinks and su driver patch

107037-02 – Solstice Enterprise Agent 1.0.3: For SNMP and DMI Toolkit SUNWsasdk

107038-02 – SunOS 5.7: apropos/catman/man/whatis patch

107042-03 – SunOS 5.7 (JFP 7): install/sysadm messages patch

107058-01 – SunOS 5.7: Patch for assembler

107094-12 – CDE 1.3: dtterm libDtTerm.so.2 Patch

107104-13 – OpenGL 1.1.2: OpenGL Patch for Solaris 7/8 (32-bit)
107105-13 – OpenGL 1.1.2: OpenGL Patch for Solaris 7/8 (64-bit)

107119-06 – SunOS 5.7: JFP manpages patch

107124-03 – SunOS 5.7 (JFP 7): Message files patch

107178-02 – CDE 1.3: libDtHelp.so.1 patch

107180-28 – CDE 1.3: dtlogin patch

107187-02 – SunOS 5.7: Miscellaneous Eastern European locale problems

107226-18 – CDE 1.3: dtwm patch

107242-02 – Java DMK 3.0: Patch

107245-02 – Java DMK 3.0: patch (Runtime only)

107248-02 – CDE 1.3: sdtaudio patch

107250-02 – OpenWindows 3.6.1: libsv8.so.1 Patch

107283-07 – Sun Calendar Server 1.0: Misc. Fixes

107289-05 – C 5.0: Patch for C 5.0 compiler

107292-08 – SunOS 5.7: ifp driver patch

64 Solaris 9 (SPARC Platform Edition) Release Notes • May 2002
- 107295-02 – WorkShop IPE 5.0: Patch for WorkShop IPE 5.0
- 107311-16 – C++ 5.0: Patch for C++ 5.0 compiler
- 107316-01 – SunOS 5.7: localeconv() returns wrong results for French
- 107332-02 – SunOS 5.7: libadm patch
- 107337-02 – SunOS 5.7: KCMS configure tool has a security vulnerability
- 107350-03 – XGL 3.3.1: XGL Patch (unstripped version)
- 107351-03 – XGL 3.3.1: XGL Patch (stripped version)
- 107354-05 – TeamWare 2.1: Patch for TeamWare 2.1
- 107355-07 – WorkShop IPE 5.0: Patch for dbx
- 107356-05 – Fortran 90 2.0: Patch for Fortran 90 (f90) 2.0 compiler
- 107357-11 – Compiler Common 5.0: Patch C 5.0, C++ 5.0, F77 5.0, F90 2.0
- 107358-07 – WorkShop IPE 5.0: Patch for 64-bit dbx
- 107374-02 – Openwindows 3.6.1: Xview Patch
- 107377-05 – Fortran 90 2.0: Patch for 64-bit Fortran 90 (f90) 2.0 compiler
- 107390-16 – C++ 5.0: Patch for 64-bit C++ 5.0 compiler
- 107403-02 – SunOS 5.7: rlmod & telmod patch
- 107437-03 – SunOS 5.7: support IBM Cp837 and Cp874 iconv modules(th_TH)
- 107438-02 – SunOS 5.7: iso8859-15 locale copy and paste fix

- 107441-03 – SunOS 5.7: /usr/bin/mailx patch

- 107443-14 – SunOS 5.7: packaging utilities patch

- 107450-04 – SunOS 5.7: /platform/SUNW,Ultra-Enterprise-10000/lib/cvcd patch

- 107454-05 – SunOS 5.7: /usr/bin/ftp patch

- 107465-04 – SunOS 5.7: /kernel/fs/hsfs and /kernel/fs/sparcv9/hsfs patch

- 107469-08 – SunOS 5.7: sf & socal drivers patch

- 107472-02 – SunOS 5.7: ses driver patch

- 107473-07 – SunOS 5.7: luxadm patch

- 107515-05 – SunPCI 1.0: for Solaris 2.5.1, 2.6, 7 and sparc architectures

- 107538-05 – Sun Cluster 2.2: System Management Patch

- 107543-02 – SunVTS 3.0: Test patch for cpudata, m64test, saiptest, disktest, tapetest, nettest and sptest.

- 107544-03 – SunOS 5.7: /usr/lib/fs/ufs/fsck patch

- 107557-02 – SunOS 5.7: /usr/sbin/sag patch
- 107589-08 – SunOS 5.7: se, zs, kbd and kbio.h Patch
  4409169 4417136 4463087
- 107596-03 – F77 5.0: Patch for FORTRAN 77 (f77) 5.0 compiler
  4253715 4250185
- 107636-09 – SunOS 5.7: X Input & Output Method patch
  4497548 4517493
- 107650-08 – OpenWindows 3.6.1 X11R6.4 Xprint Extension Patch
  4358753
- 107652-06 – OpenWindows 3.6.1: X11R6.4 XKB Extension Patch
  4280807
- 107698-01 – ild 3.0: Patch for ild 3.0 (SPARC)
  4196586 4205569 4200410 4199709
- 107702-09 – CDE 1.3: dtsession patch
  4349846
- 107722-01 – ild 3.0: Patch for 64-bit ild 3.0 (SPARC/V9)
  4196586 4205569 4200410 4199709
- 107742-01 – WorkShop IPE 5.0: Patch for Performance Analyzer
  4188151
- 107743-09 – SunOS 5.7: Sun Quad FastEthernet 2.2
  4467799 4469987 4486431 4493834 4369563 4473952 4437412 4348511 4424879
- 107744-02 – SunOS 5.7: /usr/bin/du and /usr/xpg4/bin/du patch
  4306228
- 107746-03 – SunOS 5.7: Croatian locale hr_HR corrections
  4266292 4266293 4266298 4266300
- 107796-03 – SunOS 5.7: /kernel/fs/lofs patch
  4126922
- 107799-02 – SunOS 5.7: compress/uncompress/zcat patch
  4295877
- 107834-03 – SunOS 5.7: dkio.h & commands.h patch
  4267022
- 107841-03 – SunOS 5.7: rpcsec patch
  4258764
- 107843-02 – SunOS 5.7: /sbin/init and /usr/sbin/init patch

Appendix A • Released Patches Integrated In the Solaris 9 Operating Environment  67
4247300
  ■ 107845-02 – SunATM 4.0: Cannot unplumb failed hardware
4235785
  ■ 107885-08 – CDE 1.3: dtprintinfo Patch
4380805
  ■ 107887-10 – CDE 1.3: Actions Patch
4353583 4178221
  ■ 107893-15 – OpenWindows 3.6.1: Tooltalk patch
4499995
  ■ 107933-02 – SunOS 5.7: l10n_euro message updates for SUNW(euro)is SUNW(euro)os 899
4215590
  ■ 107935-02 – SunOS 5.7: l10n_euro message updates for SUNW(euro)is SUNW(euro)os MU
4215590
  ■ 107938-04 – SunPCi 1.0.1: for Solaris 2.5.1, 2.6, 7 and sparc architectures
  ■ 107941-02 – SunOS 5.7: Incorrect day order in Portuguese and Brazilian locales.
4059797
  ■ 107952-02 – HPC 3.0: MPI library fixes
4248856 4248999 4248857 4250047 4248208 4252527 4252893 4259229 4259523 4266878
  ■ 107953-02 – HPC 3.0: MPI 64bit fixes
4248856 4248999 4248857 4250047 4248208 4252527 4252893 4259523 4265638 4266878
  ■ 107956-02 – HPC 3.0: CRE fixes
4249505
  ■ 107957-02 – HPC 3.0: CRE 64bit fixes
4249505
  ■ 107959-02 – SunLink TRI/S 4.0: tr driver patch
4237658 4250123 4165724
  ■ 107968-01 – SunOS 5.7: ‘Chinese/English’ key is not working correctly
4246819
  ■ 107972-02 – SunOS 5.7: /usr/sbin/static/rcp patch
4366956 4375449
  ■ 107999-02 – HPC 3.0: Prism 64bit fixes
4274108
  ■ 108029-03 – SunOS 5.7: S899 u3 prodreg fix for Java 1.1 and Java 1.2 VM
Appendix A • Released Patches Integrated In the Solaris 9 Operating Environment

- 108049-09 – Solstice Internet Mail Server 4.0: Misc. fixes
- 108080-02 – SSP 3.1.1: power off system boards on domains at OBP causes arbstops
- 108089-04 – SunOS 5.7: /usr/bin/tail Patch
- 108100-03 – AP 2.2: networking switching mutex_panic HW chksumming
- 108103-02 – Hardware, 9/4GB Disks: Download program and DDRS39130/DDRS34560 S98S firmware
- 108105-02 – Hardware, 9GB Disks: Download program and ST39102LC 6329 firmware
- 108117-04 – OpenWindows 3.6.1: Font Server patch
- 108119-02 – SSP 3.1.1: sys_id and genkey need libsysid to recognize COD
- 108127-05 – ShowMe TV 1.3: ShowMe TV application patch
- 108131-17 – OpenGL 1.2: OpenGL Patch for Solaris 2.5.1/2.6/7/8 (32-bit)
- 108132-17 – OpenGL 1.2: OpenGL Patch for Solaris 7/8 (64-bit)
- 108134-02 – SSP 3.1.1: edd doesn’t detect/reboot domain that failed to boot in OBP
- 108135-02 – SSP 3.1.1: codd does not stop when SSP made into spare
- 108142-02 – SunHIPPI/P 1.0: hippi driver patch
108162-05 – SunOS 5.7: jsh, rsh, sh, rksh, ksh patch

108175-02 – SunOS 5.7: DSR Upgrade patch for localization packages

108197-02 – CDE 1.3: dtpad patch

108203-05 – SunOS 5.7: adb macro & headers for fibre channel transport layer

108207-04 – Web Access 1.2: Misc. fixes

108213-02 – Solstice Internet Mail Server 4.0: SKI/SSL Services

108230-03 – SSP 3.1.1: Truncated temperature values are reported by CBE

108244-03 – SunOS 5.7: libaio patch

108301-02 – SunOS 5.7: /usr/sbin/in.tftpd patch

108303-12 – Sun Ray Enterprise Server version 1.0 Update Patch

108304-02 – TS91 Alarm patch

108309-02 – SunOS 5.7: /usr/kernel/fs/pcfs patch

108317-02 – SunOS 5.7: idn driver patch

108318-05 – SunOS 5.7: ecpp driver patch

108327-02 – SunOS 5.7: /usr/bin/cu patch

108343-04 – CDE 1.3: sdtperfmeter patch
Appendix A • Released Patches Integrated In the Solaris 9 Operating Environment

Released Patches Integrated In the Solaris 9 Operating Environment

- 108353-01 – Bandwidth Manager: 1.5 patch
- 108374-05 – CDE 1.3: libDtWidget Patch
- 108414-02 – SunOS 5.7: /usr/bin/cpio patch
- 108424-03 – Sun Cluster 2.2: Data Service Common Patch
- 108451-05 – SunOS 5.7: rpcmod patch
- 108478-01 – SunPCi 1.1.2: for Solaris 2.5.1, 2.6, 7 and sparc architectures
- 108482-02 – SunOS 5.7: /usr/sbin/snoop patch
- 108536-05 – SSP 3.1.1: 4/8meg cache mixed on one board fails Sup new ecache srams
- 108543-05 – SSP 3.2: 4/8meg cache mix on one board fail new ecache POST SUPP SRAM
- 108551-03 – SunOS 5.7: /usr/sbin/rpc.nispasswdd patch
- 108569-06 – X11 6.4.1: platform support for new hardware
- 108574-04 – SunOS 5.7: /usr/bin/csh Patch
- 108577-01 – TS91 Alarm patch
- 108585-03 – SunOS 5.7: llc2 driver patch
- 108593-02 – Java Plugin 1.2: Product patch for Solaris
- 108620-04 – Hardware/PROM: Netra t1 Standalone User PROM Update
4307608
- 108625-02 – SunVideo Plus 1.3: bug fix
4275288 4410488 4450656 4303923 4299297
- 108673-02 – Hardware/PROM: Netra t1 System PROM Update
4357307
- 108679-04 – SSP 3.2: system-board voltages reported in SSP MIB are inconsistent.
4405737 4504757
- 108691-01 – HPC 3.0: LSF daemons and libs updates and fixes
4282539 4205166 4250064 4244889 4318278
- 108692-01 – HPC 3.0: LSF user and examples updates and fixes
4282539 4282542 4318278
- 108693-07 – Solstice DiskSuite 4.2.1: Product patch
4424910
- 108701-10 – SunFDDI/P 3.0: DR panic, memory leak, truncated packets
4461517 4501257 4453113 4510056
- 108711-04 – SunOS 5.8: Missing Catalan Locale Support
4337258
- 108714-05 – CDE 1.4: libDtWidget patch
4360030
- 108719-05 – AP 2.3: BAD TRAP panic with mether_rarp with AP network switching
4378515
- 108720-02 – AP 2.3: Reboot after removing network drivers - AP databs not updated
4297492 4346464 4404608
- 108721-04 – SunOS 5.7: admintool patch
4509669
- 108734-02 – SunOS 5.8: Polish UTF-8 Support Solaris 8
4328876
- 108735-03 – SunOS 5.8: u.RU.KOI8-R: Cannot cut and paste cyrrilic between dtapps
4359095
- 108748-02 – SunOS 5.7: /usr/lib/nfs/statd patch
4456871
- 108750-02 – SunOS 5.7: /usr/lib/netsvc/yp/ypbind patch
4362647
- 108773-14 – SunOS 5.8: IIM and X Input & Output Method patch
  4497548 4517493 4524098 4529127 4519405
- 108781-02 – SunOS 5.8: Get UDCTool to work for zh_TW
  4494067
- 108789-03 – SunHIPPI/P 1.1: hippi driver patch
  4409924
- 108790-03 – SunOS 5.7: Cultural settings update for European locales
  4418017 4421616 4421620 4423328 4456303
- 108798-02 – SunOS 5.7: /usr/bin/tip patch
  4330475 4430971
- 108806-08 – SunOS 5.8: Sun Quad FastEthernet qfe driver
  4467799 4469987
- 108815-02 – OpenWindows 3.6.1: Calendar Manager patch
  1199013
- 108834-07 – RAID Manager 6.22: generic RM6.22 pre Solaris 8 patch
  4252343 4338808 4400410 4400593
- 108838-03 – SunOS 5.7: allocate/mkdevmaps/mkdevalloc Patch
  1229659 4284187
- 108873-03 – Hardware, 9/4GB Disks: Download program and M2949ESP/M2954ESP 2853 firmware
  4336161
- 108885-09 – SSP 3.3: Modify POST/SSP to support CIC2 asic and new ecache SRAM
  4458358
- 108897-01 – X11 6.4.1 Xprint patch
  4305734
- 108901-04 – SunOS 5.8: /kernel/sys/rpcmod and /kernel/strmod/rpcmod patch
  4314558
- 108907-02 – Hardware, 4GB Disks: Download program and ST34371W 3162 firmware
  4336161
- 108909-12 – CDE 1.4: Smart Card Administration GUI patch
  4488832
- 108914-02 – SunOS 5.8: I10n update: PDA Sync, SmartCard, DHCP mgr, Printer Admin.
  4331185
- 108919-14 – CDE 1.4: dtlogin patch
108925-10 – SunOS 5.8: smartcard messages updates for Asian ko/zh/zh_TW locales

108935-04 – SunLink TRI/P 4.1: Token Ring Driver Patch

108949-07 – CDE 1.4: libDtHelp/libDtSvc patch

108951-03 – CDE 1.3: PDASync patch

108964-06 – SunOS 5.8: /usr/sbin/in.tftpd and /usr/sbin/snoop patch

108968-05 – SunOS 5.8: vol/vold/rmmount patch

108972-04 – SunOS 5.8: /sbin/fdisk patch

108982-09 – SunOS 5.8: fctl/fp/fcp/usoc driver patch

108983-08 – SunOS 5.8: /kernel/drv/fcip driver patch

108984-08 – SunOS 5.8: /kernel/drv/qlc driver patch

108985-03 – SunOS 5.8: /usr/sbin/in.rshd patch

108989-02 – SunOS 5.8: /usr/kernel/sys/acctctl and /usr/kernel/sys/exacctsys patch

108997-03 – SunOS 5.8: libexact and libproject patch

109001-03 – SunOS 5.7: /usr/sbin/in.rshd patch

109005-03 – SunOS 5.8: /sbin/su.static and /usr/bin/su patch

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

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

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

109029-02 – SunOS 5.8: perl patch
4458516

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

109043-02 – SunOS 5.8: sonode adb macro patch
4322741

109072-08 – CDE 1.4: (Japanese) sdtsmartcardadmin update
4457450

109082-05 – Hardware/PROM: Ultra 80 & E420R Standalone Flash PROM Update
4484524 4416722 4421857 4483753

109089-02 – Solstice Backup 5.5.1: lus driver patch (localized Japanese)
4305435

109096-10 – Netbackup 3.2 data corruption fix and jumbo patch
4499273 4507040 4510169

109116-04 – SunOS 5.7: fctl & fp driver patch
4342072 4344776 4344777 43513138 4355988 4364099 4368105 4368384

109117-05 – SunOS 5.7: fcp driver patch
4372479 4410561

109118-02 – SunOS 5.7: usoc driver patch
4278408 4295939 4303724 4303736

109120-07 – Solstice AdminSuite 3.0: NIS + compat mode passwd and autohome fixes
43431256

109127-05 – Sun Ray enterprise server version 1.1 Update Patch
4440161 4417780 4393246

109133-02 – SunOS 5.8: Cut and Paste not functioning in ru_RU.KOI8-R locale
4328876

109142-06 – CDE 1.4: dtterm libDtTerm patch
4387002

109149-02 – SunOS 5.8:: /usr/sbin/mkdevmaps and /usr/sbin/mkdevalloc patch
1229659 4284187
- 109151-02 – COD 1.0: if expired lic supported codd need to handle error better

4399370
- 109169-12 – CDE 1.4: Window Manager Enhancements Patch

4411689
- 109179-04 – SunOS 5.8: localization updates for SmartCard and Removable Media

4329376 4333754 4329372
- 109200-02 – SunOS 5.8: I10n updates: Rem. Media, Window Mgr & Pam Proj

4333002
- 109202-03 – SunOS 5.8: /kernel/misc/gld and /kernel/misc/sparcv9/gld patch

4467926
- 109203-03 – SunOS 5.7: edit & vi patch

4221158 4364594
- 109234-08 – SunOS 5.8: Apache and NCA patch

4489046 4490838 4498385 4510506 4510628
- 109238-02 – SunOS 5.8: /usr/bin/sparcv7/ipcs and /usr/bin/sparcv9/ipcs patch

4446945
- 109251-01 – Sun HPC Clustertools 3.1: TMFS_Finalize() can hang on large (>200 processors) jobs

4312938
- 109260-02 – StarOffice 5.1a (Solaris): Product patch

4348866
- 109277-02 – SunOS 5.8: /usr/bin/iostat patch

4359419
- 109286-02 – HPC 3.1: MPI library fixes

4484841
- 109287-02 – HPC 3.1: MPI 64bit library fixes

4448481
- 109290-01 – Netbackup 3.2 Informix Database Extension Patch

4317206
- 109298-02 – Veritas File System 3.3.3: Veritas File System multiple fixes patch

4370959 4377687
- 109299-02 – Veritas File System 3.3.3: Veritas File Systems multiple fixes patch

4377689 4370959
- 109317-02 – Trusted Solaris 7: remote x-windows display from non TS7 hosts causes window system crash.
- 109324-04 – SunOS 5.8: sh/jsh/rsh/pfsh patch
- 109326-07 – SunOS 5.8: libresolv.so.2 and in.named patch
- 109328-02 – SunOS 5.8: /usr/lib/netsvc/yp/ypserv and usr/lib/netsvc/yp/ypxfr patch
- 109338-06 – SunSAI/P 3.0: fixes and enhancements
- 109354-14 – CDE 1.4: dtsession patch
- 109357-04 – SunOS 5.8: Cultural settings update for European locales
- 109374-06 – SunOS 5.8: audioens driver patch: sprac
- 109377-02 – SunOS 5.7: Incorrect locale categories in Norwegian locale
- 109381-03 – Solstice Internet Mail Server 4.0_ja: Misc. fixes
- 109384-03 – SunOS 5.8: libaio patch
- 109397-02 – SunOS 5.7: sdtname.dt and sdtprocess.dt japanese patches for sparc
- 109399-03 – Hardware/FCode: FC100/P FibreChannel host adapter FCode update
- 109400-03 – Hardware/Fcode: FC100/S SBus FibreChannel host adapter rev. 1.13 fcode update
- 109409-04 – SunOS 5.7: xntpd and ntpdate Patch
- 109411-02 – SunOS 5.8: sdtname.dt and sdtprocess.dt japanese patch for sparc
- 109413-07 – Solstice AdminSuite 3.0.1: NIS + compat passwd autohome rights fixes
- 109432-05 – Sun Cluster 2.2: Data Service Common Patch

- 109433-02 – Sun Cluster 2.2: Data Services: Dataservice Patch for Apache Support

- 109434-02 – Sun Cluster 2.2: HA-Apache Patch

- 109441-04 – SunOS 5.8: sdtudctool patch

- 109458-02 – SunOS 5.8:/kernel/strmod/ldterm patch

- 109460-06 – SunOS 5.8: socal and sf drivers patch

- 109470-02 – CDE 1.4: Actions Patch

- 109478-03 – Forte Developer/Sun WorkShop 6: Patch for Debugger

- 109480-02 – F77 5.1: Patch for Forte Developer 6 F77 5.1 compiler

- 109481-04 – Compiler Common 6.0: Patch C 5.1, C++ 5.1, F77 5.1, F90 6.0

- 109485-03 – F90 6.0: Patch for 64-bit Forte Development 6 compiler

- 109486-03 – F90 6.0: Patch for Forte Development 6 compiler

- 109488-02 – Forte Developer/Sun Workshop 6: Patch for IPE
Appendix A • Released Patches Integrated In the Solaris 9 Operating Environment

- 109491-02 – Patch for Forte 6 C 5.1 compiler
- 109497-02 – Visual 6.0: Patch for Visual user widget integration
- 109504-01 – F90 6.1: Patch for 64-bit Forte Development 6 update 1 F95 6.1 compiler
- 109505-10 – Compiler Common 6.1: Patch C 5.2, C++ 5.2, F77 5.2, F90 6.1
- 109510-05 – Forte Developer 6 update 1: Patch for Debugger
- 109516-02 – Performance Analyzer 6.0: Patch for Forte Developer 6 update 1
- 109519-01 – Forte 6 project (2 exe’s + static lib) becomes corrupt upon saving
- 109529-06 – SunOS 5.8: luxadm, liba5k and libg_fc patch
- 109531-04 – Trusted Solaris 7: Kernel fixes for memory leak, memory corruption and tcp.
- 109560-03 – SunOS 5.7: ar has errors in / lacks some LC_CTYPE definitions
- 109568-03 – OpenWindows 3.6.2: sys-suspend need to support low power mode
- 109575-01 – HPC Clustertools 4.0: Support for Loadable Protocol Modules
- 109582-02 – CDE 1.4: sdtaudio patch
- 109586-09 – netra ct 1.0: patch for Netra ct Element Management Agent.sun4u
- 109593-02 – Trusted Solaris 7: Audit records, tnchkdb and NETPATH patch
- 109613-03 – CDE 1.4: dtmail patch
- 109647-01 – SunVTSCT, SUNWvtsct diag Nettract, env4test, alarmtest
- 109661-04 – SSP 3.3: DR attach drops cpu(s) to OBP when domain has heavy cpu load
- 109662-03 – Solaris ISP Server 2.0: /usr/lib/inet/in.ftpds patch
- 109667-04 – SunOS 5.8: /usr/lib/inet/xntpd and /usr/sbin/ntpd patch
- 109672-01 – Trusted Solaris 7: audit events on trusted 2.5.1 generate invalid label in audit data
- 109684-02 – SSP 3.3: Memory consistency check of post2obp structure failed
- 109695-03 – SunOS 5.8: /etc/smartcard/opencard.properties patch
- 109704-02 – SunOS 5.8: Japanese iconv patch
- 109715-05 – SunHSI/P 3.0: HSIP driver, test hardness, multiboard, loopback
- 109748-03 – CDE 1.4: sdtaudiocontrol patch
- 109754-05 – SunOS 5.8: i2c driver patch: sun4u
- 109764-04 – SunOS 5.8: /kernel/fs/hsfs and /kernel/fs/sparcv9/hsfs patch
- 109766-02 – SunOS 5.8: SUNWjxmft and SUNWjxcft patch for 8/10 dot font.
- 109776-02 – SunOS 5.7: Misc. locales have errors in LC_CTYPE definitions
- 109778-03 – SunOS 5.8: Misc. locales have errors in LC_CTYPE definitions
- 109787-04 – Dual Fiber Channel Host Adapter 1.0: qlc driver patch
- 109788-01 – Trusted Solaris 7: Audit record for pfsh in TS 7 displays admin_high label in raw format

- 109790-01 – Trusted Solaris 7: netpr: buffer overflow in netpr_send_message(), security

- 109795-02 – SunOS 5.7: /kernel/misc/nfssrv patch

- 109811-01 – Trusted Solaris 7: Four vulnerabilities have been found in BIND, security

- 109858-01 – svd codes breaks with ws6.0

- 109859-01 – svd and fft codes break with ws6.0

- 109860-04 – HPC 3.1: Forte 6 support and various fixes

- 109861-04 – HPC 3.1: Forte 6 support and various fixes (64-bit)

- 109868-05 – SunOS 5.8: CDE and Desktop Power Pack updates for Asian locales

- 109870-05 – Netra ct 1.0: Patch for Netra ct Element Management Agent upgrade

- 109872-01 – SunOS 5.8: vis driver patch

- 109876-02 – SunOS 5.8: fd driver patch

- 109879-02 – SunOS 5.8: isadma driver patch

- 109881-02 – SunOS 5.8: 1394 adb macros patch

- 109882-05 – SunOS 5.8: eri header files patch

- 109883-02 – SunOS 5.8: /usr/include/sys/ecppsys.h patch

- 109889-01 – SunOS 5.8: usr platform links and libc_psr patch
- 109892-03 – SunOS 5.8:/kernel/drv/ecpp driver patch
- 109896-07 – SunOS 5.8: USB and Audio Framework patch
- 109898-05 – SunOS 5.8:/kernel/drv/arp patch
- 109900-02 – SunOS 5.8:/etc/init.d/network and/sbin/ifparse patch
- 109902-03 – SunOS 5.8:/usr/lib/inet/in.ndpd patch
- 109920-06 – SunOS 5.8: pcic driver patch
- 109922-02 – SunOS 5.8: pcelx, pcser and cs driver patch
- 109924-03 – SunOS 5.8: pcata driver patch
- 109926-02 – SunOS 5.8:/kernel/drv/pem and/kernel/drv/sparcv9/pem patch
- 109928-04 – SunOS 5.8: pcmem and pcmcia patch
- 109930-01 – SunVTS 3.4 vtsk hangs or dies on large E10K configuration, Unable to disable scsi tests
- 109943-03 – StarOffice 5.2 (Solaris): Product patch
- 109973-07 – FWC 2.0: nvmem driver on attach erroneous diagnostics Patch
- 109974-07 – FWC 2.0: nvmem driver on attach erroneous diagnostics Patch
- 109985-07 – STE 1.2: enabling individual vdisk(s) with steadm Patch:sun4u
109986-07 – STE 1.2: enabling individual vdisk(s) with steadm Patch:sun4u

110002-02 – Security and other fixes for 32-bit CRE

110003-02 – Security and other fixes for 64-bit CRE

110004-02 – StarOffice 5.1a (Solaris): sym link perms. and long URL core dump fix

110010-02 – vtsui disappears with no core and X error

110011-02 – AnswerBook 1.4.2: create admin user that can interact with shell

110023-04 – SunOS 5.8: Broken backward compatibility for Solaris locales

110039-01 – SunVTS 3.3: disktest of internal FC-AL disks in E3500 has wrong logical group name.

110040-01 – SunVTS 3.2: sunvts hangs or dies on large E10K configuration

110041-01 – SunVTS 4.0: sunvts hangs or dies on large E10K configuration

110046-01 – SunVTS 4.0: CDE GUI core dumps when adjust scroll bar in a oversize window, vtsui disappears with no core and X err

110053-02 – SunOS 5.8: ar has errors in / lacks some LC_CTYPE definitions

110055-01 – SunVTS 3.0: sunvts dumps core on start via command or gui on all systems at site, vtsui disappears with no core and

110068-02 – CDE 1.4: PDASync patch

110088-02 – CDE 1.4: DtPower patch
- **110126-03** – Hardware/PROM: PGX32 firmware Update

- **110127-04** – SunOS 5.8: Generic Framebuffer configuration Graphics Patch

- **110150-04** – SunOS 5.8: rasctrl driver patch

- **110160-02** – vtsui disappears with no core and X error

- **110165-03** – SunOS 5.8: /usr/bin/sed patch

- **110193-03** – SSP 3.4: Run SSP Daemons as RT class hostview doesn’t display temp

- **110211-03** – Solaris 8: Update to SUNWvts tapetest for DLT enhancements

- **110221-06** – SunOS 5.8: Dcam1394 patch.sun4u

- **110249-01** – Trusted Solaris 7: libprint has buffer overflows, other security problems

- **110262-05** – Veritas Volume Manager 3.0.4: general patch for Solaris 7

- **110263-05** – Veritas Volume Manager 3.0.4: general patch for Solaris 8

- **110278-03** – L9 tapes do not cycle.

- **110281-02** – SunOS 5.7: patch /usr/bin/find

- **110283-05** – SunOS 5.8: mkfs and newfs patch

- **110289-01** – SunOS 5.7: nsd’s size grows - TTL values not implemented

- **110304-05** – SSP 3.4: autoconfig changes required to support new ecache srams

- **110307-02** – SSP 3.3: Change check_host to log unexpected signatures
110308-02 – SSP 3.4: Change check_host to log unexpected signatures

110316-03 – SSP 3.4: obp patch

110317-02 – SSP 3.2: obp patch

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

110326-02 – CDE 1.4: dtstyle patch

110335-02 – CDE 1.4: dtprintinfo patch

110337-02 – Trusted Solaris 8: Security CIPSO TCP kernel support

110342-04 – AP 2.3.1: apboot does not update dump device if not on boot disk

110353-02 – SunVTS 4.1: Update enatest sutest sctest fwcamtest netlbtest audiotest

110364-02 – SunOS 5.8: Add L10N sdttypesbinder files

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

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

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

110380-04 – SunOS 5.8: ufssnapshots support, libadm patch

110385-03 – SunOS 5.8: RCM modules patch

110387-03 – SunOS 5.8: ufssnapshots support, ufsdump patch
- 110389-04 – SunOS 5.8: cvc CPU signature
- 110392-02 – SunOS 5.7: m64config.1m Manual Page update
- 110407-02 – CDE 1.4 Sdttypes patch
- 110413-02 – SSP 3.2: Change libsysid to support new hostid ranges
- 110414-02 – SSP 3.3: Change libsysid to support new hostid ranges
- 110415-02 – SSP 3.4: Change libsysid to support new hostid ranges
- 110416-03 – SunOS 5.8: ATOK12 patch
- 110420-04 – SSP 3.4: ssp_restore overwrites newer files with older ones.
- 110421-03 – SSP 3.3: ssp_restore overwrites newer files with older ones.
- 110428-01 – SunOS 5.8: New Turkish UTF-8 locale
- 110452-05 – VxVM 3.1.1: vxconfigd vxdmpadm vxio vxspec vxmp vxautoconf vxdevwalk
- 110453-03 – SunOS 5.8: admintool patch
- 110458-02 – SunOS 5.8: libcurses patch
- 110461-01 – SunOS 5.8: ttcompat patch
- 110489-05 – Solaris Resource Manager 1.1: SHR/srmdrv/srmlim fixes
- 110539-10 – NetBackup 3.4 UNIX server and client fix
- 110605-02 – Motif 2.1.1: uil patch for Solaris 8
- 110609-02 – SunOS 5.8: cdio.h and command.h USB header patch
- 110614-02 – SunOS 5.8: ses driver patch
- 110615-04 – SunOS 5.8: sendmail patch
- 110626-03 – II 2.0 Framework ulimit Patch
- 110645-02 – SunForum 3.1: fixes and enhancements
- 110646-03 – SunOS 5.7: /usr/sbin/in.ftpd Patch
- 110651-02 – Sun Cluster 3.0 HA-Oracle Patch
- 110655-03 – Sun Cluster 2.2: Oracle Parallel Server Patch
- 110658-01 – vtsui disappears with no core and X error
- 110660-07 – SunOS 5.8: ksh patch
- 110660-04 – Sun Ray enterprise server version 1.2 Update Patch
- 110668-03 – SunOS 5.8: /usr/sbin/in.telnetd patch
- 110676-04 – Sun Cluster 2.2: HA-SAP Patch
- 110692-03 – NSS 1.0: patch for Netra Software Suite Network Resilience
- 110693-02 – Netra X1 dmfe ethernet driver, Link light
- 110696-04 – Sun StorEdge Network Fiber Channel 2.0: SanSurfer Administration Patch
- 110702-01 – SunOS 5.8: mknetid patch
- 110710-01 – SunOS 5.8: nscl patch
- 110716-02 – SunOS 5.8: Solaris Product Registry 3.0 patch
- 110722-03 – AP 2.3.1: AP needs to provide interface for Veritas DMP compatibility
- 110723-04 – SunOS 5.8: /kernel/drv/sparcv9/eri patch
- 110737-02 – Trusted Solaris 8: SMC NIS support
- 110739-01 – Trusted Solaris 8: CDE exit sometimes fail
- 110741-01 – Trusted Solaris 8: labeld is not i18n compliant
- 110743-01 – Trusted Solaris 8: NIS(YP) account can’t see assigned profiles
- 110745-01 – SunOS 5.8: toolbox syntax correction
- 110752-01 – SunOS 5.8: Uninstaller doesn’t come up with error messages
- 110754-03 – SunOS 5.8: WBEM messages updates for Asian ko/zh/zh_TW locales
- 110756-02 – SunOS 5.8: DCL messages updates for Asian ko/zh/zh_TW locales
- 110758-03 – SunOS 5.8: SMC messages updates for Asian ko/zh/zh_TW locales
- 110764-03 – SunOS 5.8: MGP messages updates for Asian ko/zh/zh_TW locales
- 110769-01 – Trusted Solaris 8: lock screen can have a transparent screen
- 110771-02 – Trusted Solaris 8: /etc/shadow can be relabeled and modload does not work at boot time
Appendix A • Released Patches Integrated In the Solaris 9 Operating Environment

- 110790-04 – Netra ct 1.0: OBP update for SUNW,UltraSPARC-IIi-Netract.sun4u
- 110797-02 – SunOS 5.8: UR4 New int
- 110800-02 – RSC 2.0 bug fix for intermittent reset after installation.
- 110806-02 – SunVTS4.3 Jumbo test patch
- 110819-03 – SunOS 5.8: /platform/sun4u/kernel/drv/sparcv9/us patch.sun4u
- 110821-02 – SunOS 5.8: iosram driver patch
- 110822-01 – SunOS 5.8: mboxsc driver patch
- 110823-03 – SunOS 5.8: fcode patch
- 110824-02 – SunOS 5.8: fcpci driver patch
- 110825-02 – SunOS 5.8: fcodem driver patch
- 110827-02 – SunOS 5.8: scosmb driver patch
- 110828-02 – SunOS 5.8: sbbc driver patch
- 110829-01 – SunOS 5.8: todstarcat driver patch
- 110830-02 – SunOS 5.8: /platform/SUNW,Sun-Fire-15000/lib/cvcd patch.sun4u
- 110831-02 – SunOS 5.8: /platform/SUNW,Sun-Fire-15000/kernel/drv/sparcv9/cvc patch?
- 110833-01 – SunOS 5.8: usr platform links
  4363907
- 110836-03 – SunOS 5.8: /platform/sun4u/kernel/misc/sparcv9/gptwocfg patch
  4418093
- 110837-03 – SunOS 5.8: efcode patch
  4393561 4393772 4398474
- 110840-02 – SunOS 5.8: bbc patch
  4389945
- 110841-01 – SunOS 5.8: gptwo patch
  4369175 4381743
- 110842-05 – SunOS 5.8: hpc3130 driver patch for SUNW,Sun-Fire-880
  4465733 4472722
- 110844-02 – SunOS 5.8: /platform/sun4u/kernel/drv/sparcv9/lm75 patch
  4434341
- 110845-03 – SunOS 5.8: /platform/sun4u/kernel/drv/sparcv9/ltc1427 patch
  4434341
- 110846-02 – SunOS 5.8: /platform/sun4u/kernel/drv/sparcv9/pcf8574 patch
  4434341
- 110847-02 – SunOS 5.8: /platform/sun4u/kernel/drv/sparcv9/pcf8591 patch
  4434341
- 110848-02 – SunOS 5.8: pcicfg patch
  4405109
- 110851-02 – SunOS 5.8: /platform/sun4u/kernel/drv/sparcv9/ssc050 patch
  4403503 4410299
- 110853-01 – SunOS 5.8: SUNW,Sun-Fire-880 usr platform links patch
  4369175 4381743
- 110854-02 – SunOS 5.8: /platform/sun4u/kernel/drv/sparcv9/smbus_ara patch
  4434341
- 110856-01 – SunOS 5.8: /etc/inet/services patch
  4363907
- 110864-01 – SunOS 5.8: SUNW_PKGLIST fixes (ALC S8U4 packages for SUNWCreq)
  4402062
- 110867-01 – SunOS 5.8: SUNW_PKGLIST fixes (ALC S8U4 packages)
Appendix A • Released Patches Integrated In the Solaris 9 Operating Environment 91

- 110871-04 – Data Services Core: DS 2.0/SunCluster 2.2 Patch

- 110875-02 – SSP 3.4: Bringup does not verify bootproc from HPOST is in domain.

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

- 110888-01 – SunOS 5.8: figgs, New and updated message strings

- 110894-01 – SunOS 5.8: "Republic of China / Taiwan" isn’t one legal country name

- 110898-04 – SunOS 5.8: csh/pfcs h patch

- 110905-02 – SunOS 5.8: /usr/bin/find patch

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

- 110918-03 – SunOS 5.8: /kernel/drv/openeepr patch

- 110927-01 – SunOS 5.8: Need to backport fixes in SUNW_PKGLIST in s8u4

- 110941-03 – SunOS 5.8: sar and sadc patch

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

- 110951-02 – SunOS 5.8: /usr/sbin/tar and /usr/sbin/static/tar patch

- 110953-02 – SunOS 5.8: /usr/kernel/drv/lc2 patch

- 110955-02 – SunOS 5.8: /kernel/strmod/timod patch

- 110957-02 – SunOS 5.8: /usr/bin/mailx patch
- 110979-02 – Storage Migrator 3.4.1 VxFS files fix
  4533532
- 110986-02 – SunOS 5.8: SMC help fix
  4354567
- 111018-01 – SunOS 5.8: /etc/driver_aliases patch for gpio
  4395277
- 111041-04 – SunOS 5.8: su and su_pnp driver patch.sun4u
  4487938
- 111042-01 – SunOS 5.7: "Republic of China / Taiwan" isn’t one legal country name
  4406142
- 111049-03 – SunOS 5.8: /platform/SUNW,Ultra-Enterprise-10000/lib/cvcd patch
  4352273
- 111069-01 – SunOS 5.8: bsmunconv overwrites root cron tab if cu created /tmp/root
  4383308
- 111073-01 – SunOS 5.8: re_comp header patch
  4345842
- 111075-02 – X11 6.4.1: keyboards patch
  4405756 4422290 4434254
- 111078-02 – Solaris Resource Manager 1.2: srmuser and srmlim patch
  4182182 4213039 4484021 4399556 4423935
- 111085-02 – SunOS 5.8: /usr/bin/login patch
  4516885
- 111088-02 – SunOS 5.8: mdb patch
  4374045
- 111092-02 – Netra X1 time of day driver
  4425431
- 111098-01 – SunOS 5.8: ROC timezone should be avoided for political reasons
  4411173
- 111104-02 – NSS 1.0: patch for Netra Software Suite Smart Boot
  4469335 4365191
- 111118-05 – VxVM 3.1.1: vxconfigd vxdmpadm vxio vxspec vxdump vxautoconfig vxdevwalk
  4505737
- 111132-01 – Sun Cluster 2.2: HA-Informix Patch

Appendix A • Released Patches Integrated In the Solaris 9 Operating Environment

- 111135-02 – Sun Cluster 2.2: Internet Pro Patch
- 111141-01 – SunOS 5.8: last works incorrectly for more than 256 users login
- 111158-03 – Veritas Volume Manager 3.1.1: supplemental Solaris 8 general patch
- 111174-02 – SSP 3.4: Send BBSRAM close net command upon netcon_server init
- 111197-02 – SunOS 5.8: /usr/lib/nfs/mountd patch
- 111225-02 – SunOS 5.8: /usr/bin/tail and /usr/xpg4/bin/tail patch
- 111231-04 – SunOS 5.8: Solaris user registration patch
- 111238-01 – SunOS 5.7: Patch to /usr/sbin/in.fingerd
- 111242-01 – SunOS 5.7: Patch to /usr/bin/finger
- 111249-01 – SunOS 5.7: SRC/P Maintenance Update Patch II
- 111261-03 – Filer 1.1: vol and rootshell update
- 111263-01 – Filer 1.1: crontab fix
- 111265-01 – SunOS 5.8: patch who
- 111269-03 – SunOS 5.8: Solaris Management Console patch
- 111275-01 – SunOS 5.8: New features Solaris 8 Update 5 European
- **111293-04** – SunOS 5.8: `/usr/lib/libdevinfo.so.1` patch
- **111295-01** – SunOS 5.8: `/usr/bin/sparcv7/pstack` & `/usr/bin/sparcv9/pstack` patch
- **111299-03** – SunOS 5.8: PPP patch
- **111304-01** – SunOS 5.8: `/kernel/misc/nfs_dlboot` patch
- **111306-03** – SunOS 5.8: `ufsboot` and `inetboot` patch.sun4d sun4m sun4u
- **111317-02** – SunOS 5.8: `/sbin/init` and `/usr/sbin/init` patch
- **111319-01** – SunOS 5.8: `/usr/sbin/in.rdisc` patch
- **111321-02** – SunOS 5.8: `klmmod` and `klmops` patch
- **111325-01** – SunOS 5.8: `/usr/lib/saf/ttymon` patch
- **111327-05** – SunOS 5.8: `libsocket` patch
- **111336-02** – SSP 3.4: forced failover by "$init 0" can cause unexpected CB failover
- **111338-01** – Sun Cluster 2.2: HA-Informix Patch
- **111341-02** – Sun Cluster 2.2: System Management Patch
- **111342-03** – Sun Cluster 2.2: Internet Pro Patch
- **111346-04** – Hardware/PROM: Sun Fire 3800/4800/4810/6800 Systems flashprom update
- **111350-01** – SunOS 5.7: Patch for ttymon process modules
- 111352-01 – SunOS 5.7: xpg4 more bug premature exit bug fix
- 111375-01 – HPC 3.1: RTE fixes.sun4u
- 111376-01 – HPC 3.1: RTE fixes 64-bit fixes.sun4u
- 111377-01 – SunOS 5.7: su Patch
- 111380-01 – SunOS 5.8: solregis: Japanese message patch
- 111386-01 – SunOS 5.8: s8u6 Euro bug fixing
- 111393-02 – SunOS 5.8: /usr/lib/autofs/automountd patch
- 111398-01 – SunOS 5.8: parse_dynamic_clustertoc needs to use dynamic_tests
- 111400-01 – SunOS 5.8: KCMS configure tool has a security vulnerability:sun4u
- 111403-02 – Filer 1.1: crontab fix:sun4u
- 111416-05 – RSC 2.1: Remote System Control bug fixes
- 111421-01 – SunOS 5.7: cis Patch
- 111422-01 – SunOS 5.7: libnvpair Patch
- 111439-01 – SunOS 5.8: /kernel/fs/tmpfs patch
- 111462-01 – Solstice Backup Oracle Module 3.0 Product Patch
- 111471-03 – SunOS 5.8: Bug fixes for mp in asian locale printing bugs
- 111481-01 – OpenWindows 3.6.2: clock Patch
4443940
- 111488-06 – Sun Cluster 3.0: mediator patch

4455972 4495852 4518057
- 111498-04 – SunOS 5.8: PS2 Keyboard/mouse patch.sun4u

4501840 4502088
- 111504-01 – SunOS 5.8: /usr/bin/tip patch

4330475 4430971
- 111521-01 – Netra t1 1.1 patch

4400939
- 111526-02 – SunForum 3.2: fixes and enhancements

4456051 4433660 4457679 4408940 4449045 4452997 4432944 4448021 4461869 4360706 4368733 4446810
- 111534-03 – Hardware, 18G 36G Disks: Download program and DDYST18350 DDYST36950 S9WB firmware

4482512
- 111547-01 – SunVTS 4.2: Kernel patch for nettest to support large E10K configuration.

4399022
- 111548-01 – SunOS 5.8: catman, man, whatis, apropos and makewhatis patch

4392144 4434978
- 111550-01 – Sun Grid Engine: Sun Grid Engine 5.2.2 maintenance patch to release 5.2.3 install script

4425972 4422693
- 111551-02 – Sun Cluster 3.0: HA-Apache Patch

4470537 4468922 4453924 4435665 4433953
- 111552-01 – Sun Cluster 3.0: HA-DNS Patch

4287684 4283613 4355046
- 111554-05 – Sun Cluster 3.0: HA Man Pages Patch

4451296 4490841
- 111556-02 – Sun Cluster 3.0: HA-Netscape LDAP Patch

4487483
- 111565-01 – SunOS 5.7: librt.so.1 Patch

4285279
- 111570-01 – SunOS 5.8: uucp patch

4416701
111578-02 – SunOS 5.7: arp Patch
4365204
111590-02 – SunOS 5.7: rpc.yppasswdd Patch
4392250 4466065
111596-02 – SunOS 5.8: /usr/lib/netsvc/yp/rpc.yppasswdd patch
4392250 4466065
111600-01 – SunOS 5.7: /usr/sbin/whodo Patch
4477380
111602-01 – SunOS 5.7: Floppy driver bug fix
4007736
111603-01 – Sun Grid Engine: Sun Grid Engine 5.2.2 maintenance patch to release 5.2.3 documentation update
4477590
111604-01 – Sun Grid Engine: Sun Grid Engine 5.2.2 maintenance patch
4396922 4398025 4399710 4404288 4407599 4419370 4419384 4419390 4422660 4422667 4422676 4422678 4425985
111605-01 – Sun Grid Engine: Sun Grid Engine 5.2.2 maintenance patch
4396922 4398025 4399710 4404288 4407599 4419370 4419384 4419390 4422660 4422667 4422676 4422678 4425985
111606-02 – SunOS 5.8: /usr/sbin/in.ftpd patch
4244544
111616-01 – SunOS 5.7: usr/share/lib/zoneinfo/ROC Patch
4411173
111620-01 – SunOS 5.7: netdb.h Patch
4324375
111622-02 – SunOS 5.7: libsocket Patch
4324375
111626-01 – OpenWindows 3.6.2: Xview Patch
4458476
111646-01 – SunOS 5.7: BCP libmle buffer overflow
4468138
111647-01 – BCP libmle buffer overflow
4468138
111648-01 – SunVTS: env3test cpumtest ifbtest rsctest

Appendix A • Released Patches Integrated In the Solaris 9 Operating Environment 97
111649-03 – Hardware/DVD: Toshiba DVD 1401 firmware

111656-01 – SunOS 5.8: Supplemental socal and sf drivers patch

111657-01 – SunOS 5.8: Neide, atata and disk_ata.conf driver patch

111658-01 – SunOS 5.7: Supplemental socal and sf drivers patch

111663-01 – SunOS 5.7: locale incorrectly sets decimal precision for euro currency

111666-01 – SunOS 5.7: bzip patch

111668-01 – PerfLib 3.1: Patch for Performance Library 3.1 (libsunperf)

111669-01 – PerfLib 3.1: Patch for Performance Library 3.1 (libsunperf)

111670-01 – PerfLib 3.1: Patch for Performance Library 3.1 (libsunperf)

111671-01 – PerfLib 3.1: Patch for Performance Library 3.1 (libsunperf)

111672-01 – PerfLib 3.1: Patch for Performance Library 3.1 (libsunperf)

111673-01 – PerfLib 3.1: Patch for Performance Library 3.1 (libsunperf)

111674-01 – PerfLib 3.1: Patch for Performance Library 3.1 (libsunperf)

111675-01 – PerfLib 3.1: Patch for Performance Library 3.1 (libsunperf)

111676-01 – PerfLib 3.1: Patch for Performance Library 3.1 (libsunperf)

111681-01 – Patch for Forte Developer 6 update 2 Performance Analyzer
- 111741-02 – X11 6.4.1: hwc patch
- 111753-01 – SSP 3.3: Buffer overflow vulnerability in cb_reset.
- 111754-01 – SSP 3.4: Buffer overflow vulnerability in cb_reset.
- 111762-01 – Expert3D IFB SunVTS Patch
- 111774-01 – StorTools: Updated StorTools 4.1
- 111775-01 – SunOS 5.8: smdiskless patch
- 111777-01 – SunOS 5.8: smosservice patch
- 111800-01 – SunOS 5.8: /usr/include/sys/mhd.h patch
- 111802-01 – SunOS 5.8: /usr/lib/rcm/modules/SUNW_cluster_rcm.so patch
- 111804-02 – SunOS 5.8: /usr/sbin/rem_drv patch
- 111806-01 – Trusted Solaris 8: TS8 term sessions temporarily hang when cu attempts to change workspace label
- 111822-01 – SunOS 5.8: libpiclfrudata.conf patch for SUNW,Sun-Fire-480R
- 111826-01 – SunOS 5.8: /usr/sbin/sparcv7/whodo & /usr/sbin/sparcv9/whodo patch
- 111831-01 – SunOS 5.8: /usr/kernel/drv/dump patch
- 111844-02 – X11 6.4.1 xdm patch
- 111852-01 – SunOS 5.8: SX Graphics Patch
- 111853-01 – Hardware/FCode: PCI Single/Dual FC Network Adapter
- 111862-01 – HPC 4.0: RSM and other fixes for MPI.sun4u
- 111863-01 – HPC 4.0: PFS iod deadlock and other fixes for PFS
- 111876-01 – SunOS 5.8: nl.iso 15@euro locale incorrectly sets decimal precision
- 111879-01 – SunOS 5.8: Solaris Product Registry patch SUNWwsr
- 111881-01 – SunOS 5.8: /usr/kernel/strmod/telmod patch
- 111908-04 – VxVM 3.2: general patch for Solaris 7
- 111909-04 – VxVM 3.2: general patch for Solaris 8
- 111936-01 – Sun Management Center 3.0 Jumbo Patch for SysRM
- 111937-01 – Sun Management Center 3.0: Jumbo Patch for SysRM
- 111939-01 – SunOS 5.7: Manual Pages Patch for Live Upgrade
- 111955-01 – NetBackup 3.4 Japanese Msgs fix
- 111962-05 – Solstice Backup 6.1: Product Patch
- 111968-01 – Solstice Backup 6.1: Product Patch
- 111969-02 – Solstice Backup 6.1 L10N: Product Patch
- 111970-01 – Solstice Backup 6.1 L10N: Product Patch
- 111971-03 – Solstice Backup 6.1: Product Patch
111975-01 – SSP 3.4: datasyncd fails to synchronize information between both SSPs.

111984-01 – SSP 3.4: machine_server core dumps when ssp is starting

111987-01 – SunPCI 2.2.2: for Solaris 2.6, 7, 8 and sparc architectures

111988-01 – SUNWrasag2.1: patch to provide Carmel (D2) RASAgent support.sun4u

111989-01 – SunOS 5.8: usr/bin/egrep patch

111992-01 – Multiple BugID patch fix - SUNWkmntr v1.1

111996-01 – SunOS 5.7: ptree Patch

112003-03 – SunOS 5.8: Unable to load fontset in 64-bit Solaris 8 iso-1 or iso-15

112035-01 – Hardware: Seagate ST39120A firmware upgrade from 3.11 to 3.13

112036-02 – SunOS 5.8: en_US.UTF-8 locale XI18N patch

112039-01 – SunOS 5.8: usr/bin/ckitem patch

112050-01 – SunOS 5.8: ptree patch

112057-01 – SunOS 5.8: Asian mailx and in.comsat update

112060-01 – SunOS 5.8: /usr/include/uflash_if.h patch

112065-01 – NetBackup 3.4 UNIX server and client fix Sep 9th issue

112075-01 – Netbackup 3.4 Database extension patch for DB2

112084-01 – SunOS 5.8: regression: sdthanja displays garbages using libXm.so.4
- 112090-01 – SMS 1.1: DFRU does not format pre-existing FD segment

- 112091-03 – SMS 1.1: PCD allows SMS client mark board unassigned if marked active

- 112097-01 – SunOS 5.8:: /usr/bin/cpio patch

- 112106-01 – SunOS 5.7: mkfs Patch

- 112109-01 – SunOS 5.8: Some Greek characters are in wrong places

- 112114-01 – Trusted Solaris 8: dtwm consumes cpu after user logs out and logs in again.

- 112118-01 – SMS 1.1: sc1: poweron sc0 fails to power on sc0 after poweroff issued

- 112120-01 – SunOS 5.7:: libmapmalloc Patch

- 112125-01 – RAID Manager 6.22.1: generic RM6.22.1 Solaris 2.6, and 7 patch

- 112126-01 – RAID Manager 6.22.1: generic RM6.22.1 Solaris 8 patch

- 112127-02 – Hardware/PROM: Sun Fire 3800/4800/4810/6800 Systems flashprom update

- 112132-01 – Trusted Solaris 8: dtlogin, extra spaces in user name result in wrong clearance.

- 112135-01 – SunOS 5.8:: usr/lib/libmapmalloc.so.1 patch

- 112137-01 – SunOS 5.8: Support for Network Service Provider platforms

- 112138-01 – SunOS 5.8:: usr/bin/domainname patch

- 112140-01 – Lomlite2 lom_update_eeprom patch
- 112147-01 – SMS 1.1: ssd occasionally fails to handle start/stop requests
  4497808
- 112148-01 – Netbackup 3.2 Java GUI re-release
  4431232
- 112150-04 – SRS 2.1 SunMC Agent stability
  4392815 4409133 4423809 4449312 4457539 4469664 4466248 4517972 4524369
- 112152-01 – SSP 3.5: check_host -b believes host is up incorrectly
  4506703
- 112153-01 – SunMC 3.0: re-enable PDSM module
  4507751
- 112178-01 – SSP 3.5: ssp_config patch
  4505031
- 112179-01 – Sun Management Center 3.0 Enable DR for Sun Fire 15K
  4470624
- 112187-01 – SunOS 5.8: Jumpstart patch
  4362713
- 112218-01 – SunOS 5.8: pam_ldap.so.1 patch
  4384816
- 112220-01 – SunOS 5.8: kernel/misc/nfssrv patch
  4495944
- 112244-01 – Hardware/FCode: SBus Dual Fibre Channel Host Adapter
  4506776 4526161
- 112247-01 – SSP 3.3: netcon_server dies if /etc/syslog_door has wrong permits
  4519218
- 112248-01 – SSP 3.5: netcon_server dies if /etc/syslog_door has wrong permits
  4372969 4519218
- 112264-02 – Sun Cluster 3.0 HA-Oracle - Oracle 9i
  4465293
- 112265-01 – Sun Grid Engine 5.2.3 maintenance patch
  4496678 4521398 4521393 4521400 4525977 4527558 4527559 4528905
- 112266-01 – Sun Grid Engine 5.2.3 maintenance patch
  4496678 4521398 4521393 4521400 4525977 4527558 4527559
- 112274-01 – SunOS 5.8: /usr/bin/acctcom patch
- 112300-01 – SunOS 5.7: usr/bin/login Patch
- 112319-01 – SunOS 5.7: System Accounting Software Patch
- 112325-01 – SunOS 5.8: /kernel/fs/udfs and /kernel/fs/sparcv9/udfs patch
- 112328-01 – SunOS 5.8: /usr/sbin/rpcbind patch
- 112345-01 – SunOS 5.8: /usr/bin/pax patch