Solaris 9 9/05 Release Notes

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Contents

Preface

The *Solaris 9 9/05 Release Notes* contain installation problem details and other information that are specific to the Solaris™ 9 9/05 Operating System. More hardware-related issues in this release are described in the *Solaris 9 9/05 Release Notes Supplement for Sun Hardware*. For all other information about the Solaris 9 9/05 OS, refer to the Solaris 9 9/04 documentation at `http://docs.sun.com`. The Solaris 9 9/04 documents contain information that remain applicable to this latest release.

Note – The Solaris software runs on two platforms, SPARC® and x86. The Solaris software also runs on 64-bit and 32-bit address spaces. The information in this document pertains to both platforms and address spaces unless otherwise specified in a special chapter, section, note, bulleted item, figure, table, or example.

Who Should Use This Book

These notes are for users and system administrators who install and use the Solaris 9 9/05 software.

Related Books

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

■ GNOME 2.0 Desktop Collection

- iPlanet Directory Server 5.1 Collection (Solaris Edition)
- *Solaris 9 Start Here*
- *Solaris 9 9/04 Installation Guide*
- *Solaris 9 9/04 Release Notes*
- Solaris 9 System Administrator Collection
- Solaris 9 User Collection
- Solaris (x86 Platform Edition) Hardware Compatability List
- Sun ONE Application Server 7 Collection (Solaris Edition)
- Solaris 9 9/04 About What's New Collection

For information about the Sun™ Java™ Enterprise System, see the Sun Java Enterprise 2004Q2 at http://docs.sun.com. You can find the *Sun Java Enterprise System Release Notes* at http://docs.sun.com/db/doc/817-5503.

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 software. 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.

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Related Third-Party Web Site References

Third-party URLs are referenced in this document and provide additional, related information.

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Typographic Conventions

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

TABLE P–1 Typographic Conventions

Typeface or Symbol	Meaning	Example
`AaBbCc123`	The names of commands, files, and directories, and onscreen computer output	Edit your `.login` file. Use `ls -a` to list all files. `machine_name% you have mail.`
`AaBbCc123`	What you type, contrasted with onscreen computer output	`machine_name%` **`su`** `Password:`
AaBbCc123	Command-line placeholder: replace with a real name or value	The command to remove a file is `rm` *filename* .

TABLE P–1 Typographic Conventions *(Continued)*

Typeface or Symbol	Meaning	Example
AaBbCc123	Book titles, new terms, and terms to be emphasized	Read Chapter 6 in the *User's Guide*. Perform a *patch analysis*. Do *not* save the file. [Note that some emphasized items appear bold online.]

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

Shell	Prompt
C shell prompt	`machine_name%`
C shell superuser prompt	`machine_name#`
Bourne shell and Korn shell prompt	`$`
Bourne shell and Korn shell superuser prompt	`#`

Installation Issues

This chapter describes problems that relate to the installation of the Solaris 9 9/05 Operating System.

Issues You Need to Know About Before Installing Solaris 9 9/05 Software

This section contains installation issues that you need to be aware of before installing the Solaris 9 9/05 software.

Sun StorEdge SAN Foundation Software and Documentation

The Sun StorEdge(TM) SAN Foundation software (SFS) incorporates kernel drivers and utilities that enable a host to connect, monitor, and transfer data on a storage area network (SAN). The Sun StorEdge SAN 4.4 release, firmware upgrades, and documentation are available on the Sun Download Center. Access the Download Center from the SAN product page at `http://www.sun.com/storage/san/`.

x86: Systems With Certain ATA Hard Disk Drives Hang When Rebooted After Solaris 9 Software Installation

Installing the Solaris 9 software on systems with certain types of ATA hard disk drives results in a system hang. The system hangs when you attempt a soft reboot after the installation has completed.

This problem occurs in systems with ATA hard disk drives that implement the revert to default conditions feature of ATA/ATAPI-6 T13 specification, with respect to the Ultra DMA mode.

Such disk drives revert from Ultra DMA mode to Multiword DMA mode after the software reset, unless the behavior is disabled. The behavior is disabled by using the `SET FEATURES / Disable reverting to power-on to defaults` command.

Manifestation of the problem depends upon the BIOS and the type of ATA hard drive in the system. The problem might be manifested in one of the following ways:

- If the Ultra DMA mode is *enabled* in BIOS, and ATA hard disk drives can operate in the Ultra DMA mode, a soft reboot of the system after installation might cause the system to hang in BIOS. No error messages are displayed.

- If the Ultra DMA mode is *disabled* in BIOS, and ATA hard disk drives can operate in Ultra DMA mode, a soft reboot of the system after installation might cause the system to hang. Messages that are similar to the following warnings are displayed:

```
WARNING: /pci@0,0/pci-ide@1f,1/ide@0 (ata0):
        timeout: abort request, target=0 lun=0
WARNING: /pci@0,0/pci-ide@1f,1/ide@0 (ata0):
        timeout: abort device, target=0 lun=0
WARNING: /pci@0,0/pci-ide@1f,1/ide@0 (ata0):
        timeout: reset target, target=0 lun=0
WARNING: /pci@0,0/pci-ide@1f,1/ide@0 (ata0):
         timeout: reset bus, target=0 lun=0
```

Workaround: To correct the problem, complete the following steps:

1. If the system hangs when booted, power cycle the system by turning the power off and then on again. The system should then boot normally.

2. After the system is booted, log in to the system and become superuser.

3. Use a text editor to edit the /platform/i86pc/kernel/drv/ata.conf file.

   Add the following line:

   ```
   ata-revert-to-defaults=0;
   ```

The next system reboot should proceed without a hang.

x86: Solaris 9 9/05 Installation CD Partition Issue

If the Solaris Web Start 3.0 program on the Solaris 9 9/05 Installation CD is unable to locate a Solaris fdisk partition on a system, you must create a Solaris fdisk partition on your root disk.

Caution – If you change the size of an existing `fdisk` partition, all data on that partition is automatically deleted. Back up your data before you create a Solaris `fdisk` partition.

The Solaris Web Start 3.0 program requires two `fdisk` partitions to perform an installation.

- Solaris `fdisk` partition

  This partition is the typical Solaris `fdisk` partition.

- x86 boot `fdisk` partition

  This partition is a 10–Mbyte `fdisk` partition that enables x86-based systems to boot the miniroot that is placed on the newly created swap slice. The swap slice is located on the Solaris `fdisk` partition.

Note – The installation program on the Solaris 9 9/05 Installation CD creates the x86 boot partition, removing 10 Mbytes from the Solaris `fdisk` partition. This removal prevents any existing `fdisk` partitions from being altered.

This partition should not be created manually.

Consequently, you cannot use the Solaris 9 9/05 Installation CD to upgrade from the Solaris 2.6 or Solaris 7 releases to the current release. For more information, refer to "Upgrade Issues" on page 27.

x86: Change in Default Boot-Disk Partition Layout

In the Solaris 9 9/05 release, the Solaris Web Start and `suninstall` installation programs use, by default, a new boot-disk partition layout to accommodate the Service partition on Sun LX50 systems. This installation program enables you to preserve an existing Service partition.

The new default includes the following partitions:

- **First partition** – Service partition (the existing size on the system).
- **Second partition** – x86 boot partition (approximately 11 Mbytes).
- **Third partition** – Solaris partition (the remaining space on the boot disk).

If you want to use this default layout, select Default when the Solaris Web Start or `suninstall` program asks you to choose a boot-disk layout.

Note – If you install the Solaris 9 9/05 (x86 Platform Edition) software on a system that does not currently include a Service partition, the Solaris Web Start and `suninstall` programs do not create a new Service partition by default. If you want to create a Service partition on your system, see .

You can also choose to manually edit the disk partition layout by using the `fdisk` utility. You might want to manually edit the boot-disk partitions under the following conditions:

- You want to preserve an existing Sun Linux partition on the system.
- You need to create a Solaris partition, but want to preserve other existing partitions on the disk.

Note – If your system contains an upgradable version of the Solaris software, but does not contain an x86 boot partition, you might not be able to upgrade by using the Solaris Installation CD. To upgrade a system with no x86 boot partition to the Solaris 9 9/05 release, use the `suninstall` installation program on the Solaris 9 9/05 Software 1 of 2 CD.

SPARC: Default Solaris JumpStart Profile Might Not Install Multiple Locales on Small Disks

If you use the default Solaris JumpStart™ profile on the Solaris 9 9/05 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 Solaris JumpStart profile that is the default to install any locale other than the C locale on a system with a 2.1-Gbyte disk.
- You use the Solaris JumpStart profile that is the default to install two or more locales on a system with a 4-Gbyte disk.

x86: Service Partition Not Created by Default on Systems With No Existing Service Partition

If you install the Solaris 9 9/05 software on a system that does not currently include a Service partition, the installation program might not create a Service partition by default. If you are including a Service partition on the same disk as the Solaris partition, you must re-create the Service partition before you install the software.

If you installed the Solaris 8 2/02 software on a Sun LX50 system, the installation program might not have preserved the Service partition. If you did not manually edit the fdisk boot-partition layout to preserve the Service partition, the installation program deleted the Service partition during the installation.

Note – If you did not specifically preserve the Service partition when you installed the Solaris 8 2/02 software, you cannot re-create the Service partition and upgrade to the Solaris 9 9/05 release. You must perform an initial installation of the software.

Workaround: If you are including a Service partition on the disk that contains the Solaris partition, choose one of the following:

- To use the Solaris Web Start installation program to install from the Solaris 9 9/05 Installation CD, follow these steps:

  1. Delete the contents of the disk.

  2. Before you install, create the Service partition by using the Sun LX50 Diagnostics CD.

     For information on how to create the Service partition, see the *Sun LX50 Server User's Manual* and the Sun LX50 Knowledge Base at http://cobalt-knowledge.sun.com.

  3. Insert the Solaris 9 9/05 Installation CD in the CD-ROM drive.

  4. Begin the installation.

     When the installation program detects the Service partition, the following message is displayed:

     ```
     The default layout for the bootdisk is one x86 Boot partition
     and a Solaris partition on the remaining space. The Service fdisk
     partition, if one exists, is also preserved by default.

     Select one of the following to continue:

     1) Use the default layout
     2) Run fdisk to manually edit the disk
     3) Exit

     Please make a selection: [?]
     ```

  5. Type 1 to use the default layout.

     The installation program preserves the Service partition and creates the x86 boot partition and the Solaris partition.

> **Note –** The Solaris Web Start installation program creates the x86 boot partition by removing 10 Mbytes from the Solaris `fdisk` partition. This utility prevents any existing `fdisk` partitions from being altered. Do not create this partition manually.

    6. Complete the installation.

- To install from a network installation image or from the Solaris 9 9/05 DVD over the network, follow these steps:

  1. Delete the contents of the disk.

  2. Before you install, create the Service partition by using the Sun LX50 Diagnostics CD.

     For information on how to create the Service partition, see the *Sun LX50 Server User's Manual* and the Sun LX50 Knowledge Base at http://cobalt-knowledge.sun.com.

  3. Boot the system from the network.

     The Customize `fdisk` Partitions screen is displayed.

  4. To load the default boot-disk partition layout, click Default.

     The installation program preserves the Service partition and creates the x86 boot partition and the Solaris partition.

     For more information on booting from the network, see the *Solaris 9 9/04 Installation Guide*.

- To use the `suninstall` program to install from the Solaris 9 9/05 Software 1 of 2 CD or from a network installation image on a boot server, follow these steps:

  1. Delete the contents of the disk.

  2. Before you install, create the Service partition by using the Sun LX50 Diagnostics CD.

     For information on how to create the Service partition, see the *Sun LX50 Server User's Manual* and the Sun LX50 Knowledge Base at http://cobalt-knowledge.sun.com.

  3. Boot the system.

     The installation program prompts you to choose a method for creating the Solaris partition.

  4. Select the `Use rest of disk for Solaris partition` option.

     The installation program preserves the Service partition and creates the Solaris partition.

  5. Complete the installation.

     For more information on booting from the network, see the *Solaris 9 9/04 Installation Guide*.

x86: Solaris Device Configuration Assistant Boot Diskette Is Not Available

The Solaris 9 Device Configuration Assistant is not delivered as a boot diskette in the Solaris 9 9/05 release. To boot the Device Configuration Assistant, choose one of the following options:

- If your system's BIOS supports CD booting from a CD, boot from the Solaris 9 9/05 (x86 Platform Edition) Installation CD, the Solaris 9 9/05 Software (x86 Platform Edition) 1 of 2 CD, or the Solaris 9 9/05 Software (x86 Platform Edition) DVD.
- If your system does not support booting from a CD, you can copy the boot-diskette image to a diskette. The boot-diskette image is available on the Solaris 9 9/05 Software (x86 Platform Edition) 2 of 2 CD.
- If your system supports Preboot Execution Environment (PXE) booting and an install image is available on the network, boot from the network.

  Enable the system to use PXE by using the system's BIOS setup tool or the network adapter's configuration setup tool.

For more information, see the *Solaris 9 9/04 Installation Guide*.

x86: Do Not Upgrade Hewlett-Packard (HP) Vectra XU Series Systems With BIOS Version GG.06.13

The Solaris 9 9/05 software includes a feature that enables you to install large partitions. The system BIOS must support logical block addressing (LBA). BIOS Version GG.06.13 does not support LBA access. The Solaris boot programs cannot manage this conflict. This issue can also affect other HP Vectra systems.

If you perform this upgrade, your HP system can no longer boot. Only a blank black screen with a flashing underscore cursor is displayed.

Workaround: Do not upgrade HP Vectra XU Series systems with the latest BIOS Version GG.06.13 to the Solaris 9 9/05 release. This version no longer supports these systems.

You can still boot your system by using the boot diskette or boot CD because the boot paths do not use the hard disk code. Then select the hard disk as your bootable device instead of the network or CD-ROM drive.

Bugs You Need to Know About Before Installing Solaris 9 9/05 Software

This section contains installation bugs that you should be aware of before installing the Solaris 9 9/05 software.

SPARC: Installing Sun Net Connect 3.1 Service Fails on Sun Fire V1280 Servers (6284815)

The installation of Sun[SM] Net Connect 3.1 from the Extra Value directory fails on Sun Fire™ V1280 servers. The Sun Net Connect installation program incorrectly evaluates the capabilities of the Sun Fire V1280 server as a field-replaceable unit (FRU). Consequently, the installation fails and all installed Sun Net Connect packages are removed. The following error message is recorded in the installation logs:

```
Error: pkgadd failed for SUNWfrunc
```

Workaround: Download the most recent version of the SRS Net Connect service from `https://srsnetconnect3.sun.com`.

x86: PXE Network Installation Hangs on Systems With Adaptec Ultra-160 SCSI Interface (5039573)

If you use the Intel Preboot Execution Environment (PXE) to perform a network installation on a system with an Adaptec Ultra-160 SCSI interface, the installation hangs. An error similar to the following message might be displayed:

```
Error: Unable to Find Device Driver
The device driver, cadp160.bef, is missing.
```

In the previous example, the `cadp160.bef` driver is not found on the system. The name of the affected driver might differ on your system.

This error occurs if the system BIOS sets the Adaptec Ultra-160 interface to use the same interrupt request (IRQ) as the system network interface card (NIC).

Workaround: Choose one of the following workarounds.

- To install over the network, remove the Adaptec Ultra-160 SCSI interface, and perform an installation over the network with PXE.
- Install from the Solaris 9 9/04 DVD or CDs .

x86: X Server Unable to Open Mouse Device in Sun LX50 Servers (5027771)

On a Sun LX50 system, the X server might be unable to open a PS/2 mouse device. The error might occur either during installation or when the system reboots. When the problem occurs, the following error message is displayed:

```
ddxSUNWmouse: Error opening mouse device '/dev/kdmouse;
    /dev/kdmouse: No such device or address
```

Consequently, the Solaris installation program can proceed only in command-line interface mode. After installation, the problem might persist during Solaris runtime.

Workaround: On the Y-cable that connects to the server's PS/2 connector, switch the connections between the PS/2 keyboard and mouse.

If the PS/2 mouse remains unrecognized after a system reboot, press the LX50 server's Reset button. Alternatively, use the reconfigure option (b -r) when the following boot prompt appears:

```
Select (b)oot or (i)nterpreter:
```

SPARC: Installing Custom JumpStart Software With the `re-preinstall` Command Fails (5017239)

The `re-preinstall` command fails to install custom JumpStart software. The failure occurs because the `fsck` command cannot update the UFS log for file systems that have read-only permissions.

For example, you type the following command:

 # /usr/sbin/install.d/re-preinstall c*X*t *X*d*X*s*X*

After the system is rebooted, the following error message is displayed:

```
fsck of device failed, re-preinstall needs to be re-run.
syncing file systems... done
Program terminated
```

Workaround: Choose one of the following options. You must be superuser to perform either workaround.

- Option 1: If you are using a writable network installation image, proceed with the following steps:

  1. On the server that contains the installation image, edit the /usr/sbin/install.d/rcS.stub file to remove or comment out the following lines:

```
# # Make sure the root FS is clean
# # /etc/fsck -F ufs -o p ${RootfsRaw} >/dev/null
# if [ $? -ne 0 ]; then
#  echo "fsck of ${RootfsRaw} failed, re-preinstall needs to be
re-run."
#  /usr/sbin/halt
# if
```

2. On the system where you are installing the JumpStart software, boot the network installation image in single-user mode:

   ok **boot net -s**

3. Run the re-preinstall command as usual.

   # **/usr/sbin/install.d/re-preinstall c***X*t *X***d***X***s***X*

■ Option 2: If you are booting directly from the CD-ROM or DVD-ROM, proceed with the following steps:

1. Boot the CD or DVD.

2. Exit the installer.

3. Run the re-preinstall command.

4. Mount the device that you created in step 3.

   For example, if in step 3 you typed **re-preinstall c0t0d0s0**, mount this file system as follows:

   # **mount /dev/dsk/c0t0d0s0 /mnt**

5. On the mounted file system, edit the sbin/rcS script to remove or comment out the same lines as in the first workaround.

6. Unmount the file system.

   # **umount /mnt**

7. Reboot the system to continue installing the JumpStart software.

Cannot Access Data on Solaris 9 9/05 DVD When Running Solaris 2.6 and Solaris 7 Software (4511090)

If your system is running the Solaris 2.6 or the Solaris 7 software, Volume Management incorrectly mounts the Solaris 9 9/05 DVD. The 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 that are appropriate for your system.

Release	Patch ID
Solaris 2.6	107618-03
Solaris 7	107259-03
Solaris 2.6	107619-03
Solaris 7	107260-03

- Mount the Solaris 9 9/05 DVD manually. Do not use Volume Management to mount the DVD. Follow these steps:

    1. Become superuser.

    2. Stop Volume Management.

       # **/etc/init.d/volmgt stop**

    3. Mount the DVD manually.

       # **mkdir /mnt1**
       # **mount -F hsfs -o ro /dev/dsk/c0t6d0s0 /mnt1**

    4. Verify that the DVD is mounted. Then verify that the data is accessible.

       # **cd /mnt1 # ls**

       The system returns the following information if the DVD is correctly mounted.

       ```
       Copyright Solaris_9
       ```

Installation Bugs

The following installation bugs apply to the Solaris 9 9/05 release.

SPARC: Solaris 9 9/05 Web Start Installation Program Might Not Display Special Case Panels Properly (5002175)

If you install the Solaris 9 9/05 software by using the Solaris Web Start installation program, some of the information and exit panels for the Sun ℠ Remote Services (SRS) Net Connect software might not display properly.

The installation panel frame and Cancel button are displayed, but the installation panel content is missing.

> **Note –** This problem might also occur during a Solaris Web Start installation of other software products that are included in this Solaris OS release.

Workaround: Follow these steps:

1. Bypass the SRS Net Connect installation by clicking the Cancel button when the empty installation panel is displayed.

2. After the installation of the Solaris 9 9/05 software has completed, manually install the SRS Net Connect software from the Solaris DVD or Software 2 of 2 CD.

Installing the SRS Net Connect software after the initial Solaris 9 9/05 software installation has completed ensures that all panels are displayed properly.

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

If you install or upgrade to the Solaris 9 9/05 release on a system with multiple network interfaces, the system recognizes all system interfaces as usable. Interfaces that are not connected 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 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**

Installation Bug That Occurs During an Installation From Solaris 9 9/05 Software 1 of 2 CD

The following bug occurs during installation of the Solaris 9 9/05 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

This section contains installation issues that occur during an upgrade to the Solaris 9 9/05 release.

Additional Patches Are Needed to Run Solaris Live Upgrade

Correct operation of Solaris Live Upgrade requires that a limited set of patch revisions be installed for a given OS version.

Before installing or running Live Upgrade, you are required to install a limited set of patch revisions. Make sure you have the most recently updated patch list by consulting http://sunsolve.sun.com. For additional information, search for the info Doc 72099 on the SunSolve web site.

Limitation When Installing Solaris Live Upgrade Packages

If you are running the Solaris 2.6, Solaris 7, or Solaris 8 release, you might not be able to run the Solaris Live Upgrade installer. These releases do not contain the set of patches that is needed to run the Java 2 runtime environment.

The typical failure that results is a Java exception error. The following messages might be displayed:

```
InvocationTargetException in ArchiveReader constructornull
        java.lang.reflect.InvocationTargetException
                at install.instantiateArchiveReader(Compiled Code)
                at install.<init>(Compiled Code)
                at install.main(Compiled Code)
```

To run the Solaris Live Upgrade installer and install the packages, you must have the Java 2 runtime environment recommended patch cluster.

Workaround: Complete the following workaround:

■ Install the Solaris Live Upgrade packages by using the pkgadd command.

For step-by-step instructions, refer to Chapter 35, "Using Solaris Live Upgrade to Create a Boot Environment (Tasks)," in *Solaris 9 9/04 Installation Guide*.

■ Install the Java 2 runtime environment recommended patch cluster. The patch cluster is available on http://sunsolve.sun.com. Then, you can use the Solaris Live Upgrade installer to install the packages.

Cannot Access Storage Area Networks Through SUNWsan With Solaris 9 9/05 Software

If your Solaris 8 system is connected to storage area networks (SANs), check with your support engineer before you upgrade to the Solaris 9 9/05 release. Solaris 8 systems that have the SUNWsan package installed might require special procedures to upgrade to the Solaris 9 9/05 release. 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
```

x86: Cannot Use Solaris 9 9/05 (x86 Platform Edition) Installation CD to Upgrade x86 Systems From Solaris 2.6 or Solaris 7 Software

You cannot use the Solaris 9 9/05 (x86 Platform Edition) Installation CD to upgrade x86-based systems from the Solaris 2.6 or the Solaris 7 software to the Solaris 9 9/05 release. The upgrade cannot be performed because of the x86 boot-partition requirement.

Workaround: On x86-based systems, use the Solaris 9 9/05 Software (x86 Platform Edition) 1 of 2 CD to upgrade from the Solaris 2.6 or the Solaris 7 software to the Solaris 9 9/05 release.

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 2.1 software is not compatible with Solaris Management Console 1.0, 1.0.1, or 1.0.2 software. If you are upgrading to the Solaris 9 9/05 release, 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 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, use the /usr/bin/prodreg command to 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 9/05 release, you must first remove all Solaris Management Console 1.0, 1.0.1, or 1.0.2 packages. Use the pkgrm command for package removal instead of the prodreg command. Carefully follow the order of package removal. Complete the following steps:

  1. Become superuser.
  2. Type the following command:

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

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

3. Use the pkgrm command 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 its description. For example, SUNWmc.2 might indicate Solaris Management Console 2.1 software.

If the pkginfo output displays multiple versions of Solaris Management Console 1.0 packages, use the pkgrm command to remove both packages. Remove the original package. Then, remove 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 the SUNWmcman package and then remove the SUNWmcman.2 package. Do not use the prodreg command.

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

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

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

The Solaris Management Console 2.1 software should now function properly. For future maintenance, or if the Solaris Management Console 2.1 software does not function properly, remove the Solaris Management Console 2.1 software. Reinstall the software by completing the following steps:

1. Use the pkgrm command 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 the prodreg command.

```
# pkgrm SUNWpmgr
# pkgrm SUNWrmui
# pkgrm SUNWlvmg
# pkgrm SUNWlvma
# pkgrm SUNWlvmr
# pkgrm SUNWdclnt
# pkgrm SUNWmga
# pkgrm SUNWmgapp
# pkgrm SUNWmcdev
# pkgrm SUNWmcex
```

```
# pkgrm SUNWwbmc
# pkgrm SUNWmc
# pkgrm SUNWmcc
# pkgrm SUNWmccom
```

2. Insert the Solaris 9 9/05 Software 1 of 2 CD into your CD-ROM drive. Type the
   following in a terminal window:

   ```
   # cd /cdrom/sol_9_904_sparcia/s0/Solaris_9/Product
   ```

   ```
   # pkgadd -d . SUNWmccom SUNWmcc SUNWmc SUNWwbmc SUNWmcex SUNWmcdev \
     SUNWmgapp SUNWmga SUNWdclnt SUNWlvmr SUNWlvma SUNWlvmg SUNWpmgr \
     SUNWrmui
   ```

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

Installation Bugs That Occur During an Upgrade

The following installation bugs occur during an upgrade to the Solaris 9 9/05 release.

Installer Text Display Problem When Using Solaris Live Upgrade (4736488)

When using the Solaris Live Upgrade `luupgrade(1M)` command with the `-i` option
to complete an upgrade of an inactive boot environment, the text that the installers
display might be unreadable in some languages. The text is corrupted when the
installers request fonts that do not exist on the older release that is on the current boot
environment.

Workaround: Choose one of the following workarounds:

- Use a combined network installation image to do the installation.
- Enable the C locale by setting the environment variable on your system.
  - If you are using the Bourne shell or Korn shell, follow these steps:
    1. Set the C locale.

       ```
       # LANG=C; export LANG
       ```
    2. Begin the installation.
  - If you are using the C shell, follow these steps:

1. Type the following:

   # **csh**

2. Set the C locale.

   # **setenv LANG C**

3. Begin the installation.

SPARC: Removal of `SUNWjxcft` Package Records Error During Upgrade (4525236)

When you upgrade from the Solaris 8 software to the Solaris 9 or the Solaris 9 9/05 release, a problem is encountered when the `SUNWjxcft` package is removed. The following error message is recorded in the `upgrade_log` file:

```
Removing package SUNWjxcft:
Can't open /a/usr/openwin/lib/locale/ja/X11/fonts/TTbitmaps/fonts.upr
Can't open /a/usr/openwin/lib/locale/ja/X11/fonts/TTbitmaps/fonts.scale
Can't open /a/usr/openwin/lib/locale/ja/X11/fonts/TTbitmaps/fonts.alias
Can't open /a/usr/openwin/lib/locale/ja/X11/fonts/TT/fonts.upr
Can't open /a/usr/openwin/lib/locale/ja/X11/fonts/TT/fonts.scale
Can't open /a/usr/openwin/lib/locale/ja/X11/fonts/TT/fonts.alias
Removal of <SUNWjxcft> was successful
```

Workaround: Ignore the error message.

Upgrading to Solaris 9 9/05 Release Might Disable Existing Secure Shell Daemon (`sshd`) (4626093)

If you upgrade to the Solaris 9 9/05 release on a system that is running a third-party Secure Shell, such as OpenSSH from the `/etc/init.d/sshd` daemon, the upgrade disables the existing Secure Shell daemon. During an upgrade, the Solaris 9 9/05 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` Directory Is Near Capacity (4409601)

If the `/export` directory is near full capacity when you upgrade to the Solaris 9 9/05 release, space requirements for `/export` are miscalculated. The upgrade then fails. This problem commonly occurs if a diskless client is installed. Another instance of when the problem occurs is when third-party software is installed in the `/export` directory. The following message is displayed:

```
WARNING: Insufficient space for the upgrade.
```

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

- Rename the `/export` directory temporarily, 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 Solstice AdminSuite™ 2.3 Diskless Client tool, you must perform the following two steps:

1. Delete all existing diskless clients that are the same Solaris version and architecture as the server.
2. Install or upgrade to the Solaris 9 9/05 release.

For specific instructions, see the *System Administration Guide: Basic Administration*.

If you attempt to install the Solaris 9 9/05 software over existing diskless clients, the following error message might be displayed:

```
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 software.

Installation Bugs That Occur After an Upgrade

The following installation bugs occur after you upgrade to the Solaris 9 9/05 release.

Obsolete Uninstallers Not Removed When You Use Solaris Live Upgrade to Upgrade From Previous Solaris Releases (6198380)

Obsolete uninstaller programs are not removed if you use Solaris Live Upgrade to upgrade to Solaris 9 9/05 OS from the following releases:

- Solaris 8 OS
- Solaris 9 releases previous to Solaris 9 9/05 OS

These uninstaller programs from the previous OS remain in the system's `/var/sadm/prod` directory.

The following obsolete uninstallers are not removed.

- uninstall_Alternate_Pathing_2_3_1.class
- uninstall_CDRW_1_1.class
- uninstall_CDRW_1_0.class
- uninstall_Java3D_1_3.class
- uninstall_Java3D_1_2_1_04.class
- uninstall_Java3D_1_2_1_03.class
- uninstall_Man_Page_Supplement.class
- uninstall_OpenGL_1_2_3.class
- uninstall_Netscape_6_2_3.class
- uninstall_Netscape_6_2_1_Beta.class
- uninstall_PC_launcher_1_0_2.class
- uninstall_PC_launcher_1_0_1_PCfileviewer_1_0_1.class
- uninstall_RSC_2_2_2.class
- uninstall_RSC_2_2_1.class
- uninstall_RSC_2_2.class
- uninstall_ShowMeTV_1_3.class
- uninstall_Sun_Hardware_AnswerBook.class
- uninstall_SunATM_5_0.class
- uninstall_SunFDDI_PCI_3_0.class
- uninstall_SunFDDI_SBus_7_0.class
- uninstall_Sun_Fire_880_FC-AL_Backplane_Firmware_1_0.class
- uninstall_SunForum_3_1.class
- uninstall_SunVTS_5_1_PS6.class

- uninstall_SunVTS_5_1_PS5.class
- uninstall_SunVTS_5_1_PS4.class
- uninstall_SunVTS_5_1_PS3.class
- uninstall_SunVTS_5_1_PS2.class
- uninstall_SunVTS_5_1_PS1.class
- uninstall_SunVTS_5_0.class
- uninstall_System_Management_Services_1_4.class
- uninstall_System_Management_Services_1_3.class
- uninstall_System_Management_Services_1_2.class
- uninstall_WBEM_DR_1_0.class
- uninstall_Web_Start_Wizards_SDK_3_0_1.class
- uninstall_Web_Start_Wizards_SDK.class

Workaround: After you upgrade the system, manually remove the obsolete uninstallers in the `/var/sadm/prod` directory.

SPARC: After Upgrading or Applying Recommended Patches, Problems With SAM-FS/QFS Occur (5003346)

The SAM-FS/QFS daemons do not start and the file systems are unmountable if you performed either of the following operations:

- You upgraded to Solaris 9 4/04 Release.
- You applied the Solaris 9 Recommended Patch Cluster (Solaris 9 patch ID 112233-11).

The error occurs because system call 181 that the daemons normally use is being used by a different module. The module was introduced by the patch that you had just applied. The following error messages are recorded in `/var/adm/messages` :

```
/var/adm/messages
 Jan  5 13:28:46 host genunix: [ID 147998 kern.warning] WARNING: system
 call entry 181 is already in use
 Jan  5 13:28:46 host samfs: [ID 798779 kern.warning] WARNING: SAM-FS:
 modload(samsys) failed.
```

In addition, the following error messages are also recorded in `/var/adm/sam-log` :

```
/var/adm/sam-log
 Jan  5 13:30:08 host sam-fsd[355]: [ID 617651 local4.alert] Fatal error -
 samsys module not loaded
 Jan  5 13:30:08 host sam-fsd[355]: [ID 765074 local4.alert]   Correct
 problem and 'kill -HUP 355'
```

Perform the following steps:

1. Become superuser.

2. Issue a `grep` of 181 from the `modinfo` output to determine if 181 is in use by another module:

```
# modinfo | grep 181
     8  1181aa0   38c4    1    1  TS (time sharing sched class)
    15  11b1092   181a   12    1  sad (STREAMS Administrative Driver ')
    43  1295cd8    ce9  181    1  ssc050 (SSC050 i2c device driver: v1.4)
   158  7813a87f  181c   95    1  cpc (cpc sampling driver v1.10)
   158  7813a87f  181c  179    1  cpc (cpc sampling system call)
   158  7813a87f  181c  179    1  cpc (32-bit cpc sampling system call)
```

Because system call 181 is used by another module, configure samsys to use another unused system call value.

3. Edit /etc/name_to_sysnum by changing samsys to use 182 or some other unused value from 0-255.

   ```
   samsys            182
   ```

4. Boot the system to reconfigure samsys.

   # shutdown -y -g0 -i0

   OK> boot -r

5. Verify that the error messages no longer appear in /var/adm/messages and that all SAM-FS file systems can mount.

SPARC: Removing Patches After Upgrade Might Corrupt WBEM Repository (4820614)

The WBEM Repository Common Information Model (CIM) database can be corrupted under the following conditions:

- You apply a revision of patch 112945 for a Solaris 9 release to a system that is running the Solaris 9 software.
- You then remove the patch that was applied to the system.

If the WBEM Repository is corrupted, the following error message is displayed in the Solaris Management Console Log Viewer:

```
CIM_ERR_FAILED:
/usr/sadm/lib/wbem/../../../../var/sadm/wbem/logr/
preReg/PATCH113829install/Solaris_Application.mof,18,ERR_SEM,
ERR_EXC_SET_CLASS,CIM_ERR_FAILED:Other Exception:
java.io.StreamCorruptedException: invalid stream header
```

Workaround: Choose one of the following workarounds:

- Follow these steps to prevent the WBEM Repository from being corrupted:

  1. Become superuser.

  2. Before you apply the patch, back up the WBEM Repository.

     # **cp –r /var/sadm/wbem/logr** *path***/logr**

     where *path* is the path to the backup WBEM Repository.

3. If the WBEM Repository is corrupted after you back out the patch, stop the
   WBEM server.

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

4. Restore the backup WBEM Repository.

   # **cp -rf** *path***/logr /var/sadm/wbem/logr**

   # **cp -rf** *path*/logr /var/sadm/wbem/logr

5. Restart the WBEM server.

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

■ Follow these steps to create a new WBEM Repository:

Note – This workaround does not restore the WBEM data if the WBEM Repository
is corrupted. Any data that was added to the repository during the installation is
lost.

---

1. Become superuser.
2. Stop the WBEM server.

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

3. Remove the files from the /logr directory.

   # **rm /var/sadm/wbem/logr/***

4. Remove the /notFirstTime directory.

   # **rmdir notFirstTime**

5. Start the WBEM server.

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

6. Compile any proprietary Managed Object Format (MOF) files manually.

   # **/usr/sadm/bin/mofcomp** *MOF-filename*

64–Bit Solaris Issue

The following 64–bit issue applies to the Solaris 9 9/05 release.

SPARC: 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 software on an UltraSPARC™ system, you might need to update the system's flash PROM firmware. The Solaris 9 9/05 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 the CPU speed is 200 MHz or greater.

Note – If you choose to run the 32-bit Solaris software 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 that you are running by using the `prtconf -V` command.

TABLE 1–1 Minimum Firmware Versions Required to Run 64–Bit Solaris Software on UltraSPARC Systems

System Type From `uname -i`	Minimum Firmware Version From `prtconf -V`
SUNW,Ultra-1-Engine	3.10.0
SUNW,Ultra-1	3.11.1
SUNW,Ultra-2	3.11.2
SUNW,Ultra-4	3.7.107
SUNW,Ultra-Enterprise	3.2.16

Note – If a system is not listed in the previous table, the system does not need a flash PROM update.

For instructions on how to perform the flash PROM update by using the Solaris CD, refer to the Solaris 9 on Sun Hardware Collection. You can obtain the manual at http://docs.sun.com.

Documentation CD Issue

The following Documentation CD issue applies to the Solaris 9 9/05 release.

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

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 Solaris 7 or 8 software, 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 9/05 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 9/05 Documentation CD 1 of 2 is located in the following directory:

sol_9_doc_1of2/README/C/install_C.html

Documentation CD Installation Bugs

The following Documentation CD installation bugs apply to the Solaris 9 9/05 release.

Uninstall Mode of Solaris 9 9/05 Documentation CD `uninstaller` Utility Does Not Work Properly (4675797, 4627776)

If you run the Solaris 9 9/05 Documentation CD `uninstaller` in Uninstall All mode, the `uninstaller` removes only those documentation packages that are installed by default.

Workaround: Run the uninstaller in Uninstall Partial mode. Select the specific packages that you want to uninstall.

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

If you use the Solaris 9 9/05 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 9/05 Documentation CD installer program. Use the graphical user interface (GUI) mode to install the Solaris 9 9/05 Documentation CD.

Localization Issue That Occurs During Installation

The following is a Localization issue that occurs during installation of the Solaris 9 9/05 software.

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 9/05 release 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

The following Localization bugs occur during installation of the Solaris 9 9/05 software.

Languages CD Installs All Languages By Default With Solaris Live Upgrade (4898832)

If you use Solaris Live Upgrade with multiple CDs to install the Solaris 9 9/05 release, the Languages CD installs all languages by default.

After the installation, if you log in to the system in a locale that is different than the locale you selected during installation, garbled characters might be displayed. After you log in to any of these locales, the English locale is displayed.

Workaround: During installation, select the custom install option. Uncheck any languages that you do not want to install during the Languages CD installation.

Upgrading Systems Running Solaris 8 Software With Full Thai/Russian/Polish/Catalan Support Leaves Invalid Packages on System (4650059)

Upgrading to the Solaris 9 9/05 release, on a system running the Solaris 8 software with the Solaris 8 Language Supplement CD installed, results in several invalid packages. 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 9/05 release.

Workaround: Before you upgrade to the Solaris 9 9/05 release, use the Solaris Product Registry application to remove the Solaris 8 Languages Supplement CD packages.

Solaris Runtime Issues

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

Hardware–Related Issue and Bugs

The following hardware–related issue and bugs apply to the Solaris 9 9/05 release.

Supported USB Devices and Corresponding Hub Configurations

This Solaris release supports both USB 1.1 and USB 2.0 devices. The following table is a summary of USB devices that work in specific configurations. Connection types can either be direct to the computer or through a USB hub. Note that USB 1.1 devices and hubs are low speed or full speed. USB 2.0 devices and hubs are high speed. For details about ports and speeds of operation, see the *System Administration Guide: Devices and File Systems*.

TABLE 2–1 USB Devices and Configurations

USB Devices	Connection Types
USB 2.0 storage devices	Direct, USB 1.1 hub, USB 2.0 hub
USB 1.1 devices except audio	Direct, USB 1.1 hub, USB 2.0 hub
USB 1.1 audio devices	Direct, USB 1.1 hub
USB 2.0 audio devices	Not supported

SPARC: Display of Extended Display Identification Data Delayed in PGX32 Hardware (6272648)

Extended Display Identification Data (EDID) on the PGX32™ frame buffer might not immediately appear when the monitor is switched from a power-managed state. The monitor is no longer in power-managed state. However, the output that is generated by the command `fbconfig -prconf` continues to show EDID data fields as "Not Available." The data become available when you type the command again after a delay of several seconds.

Workaround: None.

Some Systems With USB 2.0 Hardware Might Hang or Panic (5030842)

Systems with certain USB 2.0 hardware might frequently hang or panic when running this Solaris release. These problems are associated with USB 2.0 devices that are not based on the NEC chip set. When these problems occur, the system generates error messages that involve Enhanced Host Controller Interface (EHCI).

Workaround: Depending on your system's hardware configuration, choose one of the following options:

- Replace the USB 2.0 host controller hardware with hardware that is based on the NEC chip set. USB 2.0 hardware that is based on the NEC chip set is known to work well with the Solaris OS.

- On systems whose USB 2.0 host controller hardware is built into the motherboard and that have spare PCI slots, perform the following steps:

    1. Add a PCI-based USB 2.0 card that is based on the NEC chip.

    2. Become superuser.

    3. Disable USB 2.0 on the motherboard and enable USB 2.0 support only through the PCI card. Issue the following commands:

       ```
       # update_drv -d -i '"pciclass,0c0320"' usba10_ehci
       # update_drv -a -i '"pci1033,e0"' usba10_ehci
       # reboot
       ```

    4. For faster operation, connect your USB 2.0 devices to the card's ports instead of the original ports on the motherboard.

- Even if you cannot add new USB hardware to your system, you can still disable your system's EHCI by performing the following steps:

    1. Become superuser.

    2. Issue the following commands:

       ```
       # update_drv -d -i '"pciclass,0c0320"' usba10_ehci
       # reboot
       ```

Note – USB 2.0 ports are operated by two companion hardware pieces:

- EHCI for the high-speed piece
- Either Open Host Controller Interface (OHCI) or Universal Host Controller Interface (UHCI) for the low-speed and full-speed piece

On x86 based systems, drivers for both OHCI and UHCI exist. On SPARC based systems, only OHCI USB 1.1 host controller hardware is supported. Therefore, only USB hardware with OHCI companion controllers continue to work on SPARC systems whose companion EHCI controller is disabled. Ports of the USB hardware remain operational even with EHCI disabled, provided that your system has the proper OHCI or UHCI drivers. USB 2.0 devices that are connected to these ports run only as fast as a USB 1.1 device.

To verify whether EHCI and OHCI host controllers exist on your SPARC based systems, type:

prtconf -D

Check the output for EHCI entries next to one or more OHCI entries, similar to the following example:

```
pci, instance #0 (driver name: pci_pci)
usb, instance #0 (driver name: usba10_ohci)
usb, instance #1 (driver name: usba10_ohci)
usb, instance #0 (driver name: usba10_ehci)
```

Smart Card Bugs

The following Smart Card bugs apply to the Solaris 9 9/05 OS.

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 was 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 which 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 the *Solaris Smartcard Administration Guide*.

Common Desktop Environment (CDE) Bugs

The following CDE bugs apply to the Solaris 9 9/05 OS.

SPARC: Some UTF-8 Locales Are Unavailable in the Common Desktop Environment Login Service (5042573)

The following UTF-8 locales are missing when the login server starts and the Common Desktop Environment (CDE) login service is launched:

- ar_SA.UTF-8
- el_GR.UTF-8
- nl_BE.UTF-8
- nl_NL.UTF-8
- pt_PT.UTF-8

Workaround: To use these locales, log in to any other UTF-8 locale. Then, set the `LC_ALL` variable at the command line. For example:

```
export LC_ALL=ar_SA.UTF-8
```

Note – The workaround applies only to SPARC based systems. These locales are unavailable in x86 based systems.

CDE Removable Media Auto Run Capability Removed (4634260)

The Removable Media auto run capability in the CDE desktop environment has been temporarily removed from the Solaris 9 9/05 software.

Workaround: To use the auto run function 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 that are included with the CD for access from outside of CDE.

SPARC: `dtmail` Crashes When Launched From the Command Line if FontList Option Is Specified (4677329)

`dtmail` crashes after connecting with the IMAP server if the `FontList` option is specified when `dtmail` is launched from the command line. See the following example:

```
/usr/dt/bin/dtmail -xrm "Dtmail*FontList: -*-r-normal-*:"
```

The following error message is displayed:

```
Segmentation Fault
```

This problem occurs in both the `C` and `ja` locales.

Workaround: Do not specify the `FontList` option when you launch `dtmail` from the command line.

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 9/05 Unicode or UTF-8 locales, CDE Mailer (`dtmail`) appears to hang. 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 9/05 Unicode or UTF-8 locale.

  3. Rename the locale layout engine category.

     ```
     # mv LO_LTYPE LO_LTYPE-
     ```

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

Solaris 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 then 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.

Solaris 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 Solaris™ PDASync application. If you accidentally exchange multibyte data and corrupt that data, restore your data from the backup.

GNOME 2.0 Issues and Bugs

The following information pertains to the GNOME 2.0 desktop.

GNOME 2.0 Documentation

For release notes and troubleshooting information for the GNOME 2.0 desktop, see the following documents at http://docs.sun.com:

- *GNOME 2.0 Desktop for the Solaris Operating Environment Release Notes*
- *GNOME 2.0 Desktop for the Solaris Operating Environment Troubleshooting Guide*

System Administration Bugs

The following System Administration bugs apply to the Solaris 9 9/05 release.

SPARC: Panics That Occur During Suspend and Resume Cycles Might Cause the System to Hang (5062026)

A system panic that occurs while you are performing a suspend-and-resume (`cpr`) cycle might cause the system to hang. More typically, this problem is observed in Sun Blade™ 2000 workstations that have the XVR-1000 graphics accelerator installed. Rarely, other SPARC based systems might similarly hang during a panic. When the panic occurs, the core dump is not saved, and no prompt appears on the console. The problem might be more prevalent if the kernel debugger (`kadb`) is active.

Workaround: To restore the system to a usable state, manually reboot the system.

SPARC: Stopping the System by Using Keyboard Sequences Might Cause a System Panic (5061679)

If you attempt to stop the system by pressing keyboard sequences such as Stop-A or L1-A, the system might panic. An error message similar to the following example is displayed:

```
panic[cpu2]/thread=2a100337d40: pcisch2 (pci@9,700000):
consistent dma sync timeout
```

Workaround: Do not use keyboard sequences to force the system to enter OpenBoot™ PROM.

x86: Universal Serial Bus Architecture Modular DeBugger Not Configured Automatically When Only New Framework Is Loaded (4982529)

The Universal Serial Bus Architecture (USBA) Modular DeBugger (mdb) commands might not be automatically configured on some x86 systems.

Workaround: To access the USBA mdb commands, run the following command to load the usba mdb module manually after starting mdb:

> **::load usba**

After the usba mdb module is loaded, you can obtain a list of all the USB commands by running the following command:

> **::dcmds ! grep usb**

Installation of Locales Fails if Solaris Installation CDs Are Used (4967742)

The Locale Administrator tool (localeadm) fails to set up new locales if you use the Solaris Installation CDs to install the necessary packages. The failure occurs as you are installing packages from the Solaris Software 1 of 2 CD. The tool does not automatically eject the 1 of 2 CD. Consequently, you cannot insert the next CD to continue the installation.

Workaround: To install the packages for your locale, use the Solaris DVD or a network installation image. If neither is available, then perform the following steps:

1. Obtain the list of the Solaris packages that are needed to set up the locale you are installing.

   % **localeadm -v -q** *option*

   option is the name of the region or locale that you are setting up. For example, for the Western European region, type **weu** for the option.

   A list of packages is displayed in the order in which these packages are found in the Installation CDs, as follows:

   - Solaris Software 1 of 2 CD
   - Solaris Software 2 of 2 CD

- Languages CD

2. Copy the listed packages from the respective CDs to a directory on the machine or the network. To determine the exact path to these packages in each CD, use the `find` command.

3. Rerun the `localeadm` command to install these packages. The source directory is the directory to which you copied the packages in the previous step.

x86: Pressing the F4 Key During BIOS Bootup Fails to Boot the Service Partition (4782757, 5051157)

You are booting a Sun LX50 which has a Service partition and the Solaris 9 9/05 (x86 Platform Edition) software is installed. Pressing the F4 function key to boot the Service partition, when given the option, causes the screen to go blank. The system then fails to boot the Service partition.

Workaround: Do not press the F4 key when the BIOS Bootup Screen is displayed. After a time-out period, the Current Disk Partition Information screen is displayed. Select the number in the Part# column that corresponds to `type=DIAGNOSTIC`. Press the Return key. The system boots the Service partition.

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. The Solaris WBEM Services 2.5 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 Common Information Model (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:

Method Invocation	Error Message
CIMClient.close()	NullPointerException
CIMClient.execQuery()	CIM_ERR_QUERY_LANGUAGE_NOT_SUPPORTED
CIMClient.getInstance()	CIM_ERR_FAILED
CIMClient.invokeMethod()	XMLERROR: ClassCastException

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.

    # **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.

Solaris Volume Manager Issue

The following Solaris Volume Manager issue applies to the Solaris 9 9/05 release.

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 is displayed:

```
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 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 that starts at cylinder 0, can cause problems. This mirroring results in an error message when you attempt to attach the second submirror. For more information about the default behavior of Solaris installation programs, see the *Solaris 9 9/04 Installation Guide*.

Solaris Volume Manager Bugs

The following Solaris Volume Manager bugs apply to the Solaris 9 9/05 release.

Solaris Volume Manager `metassist` Command Fails in Non-English Locales (5067097)

In non-English locales, the Solaris Volume Manager `metassist` command fails to create volumes. For example, if `LANG` is set to `ja` (Japanese), the following error message is displayed:

```
xmlEncodeEntitiesReentrant : input not UTF-8
Syntax of value for attribute read on mirror is not valid
Value "XXXXXX"(unknown word) for attribute read on mirror is not among the
enumerated set
Syntax of value for attribute write on mirror is not valid
Value "XXXXXX"(Parallel in Japanse) for attribute write on mirror is not
among the enumerated set
metassist: XXXXXX(invalid in Japanese) volume-config
```

Workaround: As superuser, set the `LANG` variable to `LANG=C`.

For the Bourne, Korn, and Bash shells, use the following command:

```
# export LANG=C
```

For the C shell, use the following command:

```
# setenv LANG C
```

Hot Spares Do Not Work Correctly When Solaris Volume Manager RAID-1 (Mirror) or RAID-5 Volumes Are Created in Disk Sets Built on Soft Partitions (4981358)

If you create a Solaris Volume Manager RAID-1 (mirror) or RAID-5 volume in a disk set that is built on top of a soft partition, hot spare devices do not work correctly.

Problems that you might encounter include, but are not limited to, the following:

- A hot spare device might not activate.
- A hot spare device status might change, indicating the device is broken.
- A hot spare device is used, but resynced from the wrong drive.

- A hot spare device in use encounters a failure, but the broken status is not reported.

  Workaround: Do not use this configuration to create a Solaris Volume Manager RAID-1 or RAID-5 volume in disk sets.

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 slot on a Sun StorEdge™ A5*x*00, the `metadevadm` command fails. This failure occurs when the logical device name for the slice no longer exists. However, 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. However, 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, an open failure results. The command does not update the metadevice database namespace to reflect the change in disk device identification. The 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 using the `metarecover` command to recover the soft partition.

> **Note –** If the soft partition is part of a mirror or RAID 5, use the `metareplace` command without the `-e` option to replace the old soft partition with the new soft partition.
>
> # **metareplace dx** *mirror or RAID 5*
> *old_soft_partition new_soft_partition*

Networking Bug

The following Networking bug applies to the Solaris 9 9/05 release.

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:

- First, configure a single tunnel between the two IP nodes. 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.

Standards Bug

The following Standards bug applies to the Solaris 9 9/05 release.

Compiling UNIX 98 or UNIX 03 Applications That Include the `dflcn.h` Header File Fails (6295971)

The `dflcn.h` header file displays symbols in `/usr/include/sys/auxv.h` that are not permitted in UNIX(R) 98 or UNIX 03. If you compile UNIX 98 or UNIX 03 applications that include this header file, the compiler generates syntax errors. Consqently, the compilation is not completed.

You can avoid the errors by using compilers other than c89 or c99 compiler utilities. However, the compiled applications will not be compliant with UNIX 98 or UNIX 03. Furthermore, even if you use the cc compiler utility, compilation also fails if the -D_XOPEN_SOURCE flag is defined.

For example, if you compile an application that uses the -D_XOPEN_SOURCE=600 compiler flag, the following error message is displayed:

```
"/usr/include/sys/auxv.h", line 45: syntax error before
or at: "a_type unprotected"
"/usr/include/sys/auxv.h", line 45: warning: syntax requires ";"
after last struct/union member
"/usr/include/sys/auxv.h", line 54: zero-sized struct/union
"/usr/include/sys/auxv.h", line 54: warning: syntax error:
empty declaration
"/usr/include/sys/auxv.h", line 55: warning: old-style declaration
or incorrect type for: auxv_t
```

Workaround: Apply either of the following patches:

- For SPARC based systems: Patch ID 112963-23
- For x86 based systems: Patch ID 113986-19

Documentation CD Issues

The following Documentation CD issues apply to the Solaris 9 9/05 release.

iPlanet Directory Server 5.1 Documentation Links Do Not Work Properly

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

Workaround: To navigate between iPlanet Directory Server 5.1 documents on your system, go to the iPlanet Directory Server 5.1 Collection (Solaris Edition) page at http://docs.sun.com. Click the link to the document you want to view.

SUNWsdocs Package Needed 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

The following Documentation CD bugs apply to the Solaris 9 9/05 release.

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

In the Solaris 9 9/05 software and other systems based on UNIX, PDF documents on the Solaris 9 9/05 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 9/05 software and other systems based on UNIX, 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
  ```

- For systems that are *not* based on UNIX, upgrade to Adobe Acrobat Reader 5.0 or a later version.

Removing Solaris 9 9/05 Documentation Packages Might Unexpectedly Uninstall Some Solaris 9 9/05 Documentation Collections (4641961)

Some Solaris 9 9/05 documentation collections might be unexpectedly removed from your system under the following circumstances:

1. You install both the Solaris 9 9/05 Documentation 1 of 2 and 2 of 2 CDs on your system.
2. You then use the `prodreg` utility or the Solaris 9 9/05 Documentation CD installer program to remove certain documentation packages.

The Solaris 9 9/05 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 of the Solaris 9 9/05 Documentation 1 of 2 or 2 of 2 CD installations, the package is removed for both installations.

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

TABLE 2–2 Solaris 9 9/05 Documentation Packages Contained on Both Solaris 9 9/05 Documentation CDs

HTML Package Names	PDF Package Names	Collection Description
SUNWaadm	SUNWpaadm	Solaris 9 System Administrator Collection
SUNWdev	SUNWpdev	Solaris 9 Developer Collection
SUNWids	SUNWpids	iPlanet Directory Server 5.1 Collection

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 9/05 Documentation 1 of 2 or 2 of 2 CDs.
- To avoid this problem, use the `pkgrm` utility to remove the packages that you want to eliminate from your system.

Localization Issue

The following is a Localization issue that applies to the Solaris 9 9/05 release.

Hardware for Estonian Keyboard Type 6, French Canadian Keyboard Type 6, and Polish Programmers Keyboard Type 5 Not Available

Software support for three additional keyboard layouts has been added to the Solaris 9 software for this release: Estonian keyboard Type 6, French Canadian keyboard Type 6, and Polish programmers keyboard Type 5.

This software gives users in Estonia, Canada, and Poland greater flexibility for keyboard input by modifying standard U.S. keyboard layouts to their own language needs.

Currently, no hardware is available for the three additional keyboard layout types.

Workaround: To take advantage of this new keyboard software, modify the `/usr/openwin/share/etc/keytables/keytable.map` file in one of the following ways:

- For the Estonian Type 6 keyboard, make the following changes:

  1. Change the US6.kt entry to Estonia6.kt in the `/usr/openwin/share/etc/keytables/keytable.map` file. The modified entry should read as follows:

     ```
     6                          0          Estonia6.kt
     ```

  2. Add the following entries to the `/usr/openwin/lib/locale/iso8859-15/Compose` file:

`<scaron>`	`: "/xa8"`	`scaron`
`<scaron>`	`: "/xa6"`	`scaron`
`<scaron>`	`: "/270"`	`scaron`
`<scaron>`	`: "/264"`	`scaron`

  3. Reboot the system for the changes to take effect.

- For the French Canadian Type 6 keyboard, make the following changes:

  1. Change the US6.kt entry to Canada6.kt in the `/usr/openwin/share/etc/keytables/keytable.map` file. The modified entry should read as follows:

     ```
     6                          0          Canada6.kt
     ```

  2. Reboot the system for the changes to take effect.

- If you are using the existing Polish Type 5 keyboard layout, make the following changes:

  1. Change the Poland5.kt entry to Poland5_pr.kt in the `/usr/openwin/share/etc/keytables/keytable.map` file. The modified entry should read as follows:

     ```
     4                          52         Poland5_pr.kt
     ```

> **Note –** If you are using a keyboard with dip-switches, make sure the switches are set to the correct binary value for the Polish keytable entry (binary 52) before rebooting the system.

2. If you are using a standard U.S. Type 5 keyboard, change the US5.kt entry to Poland5_pr.kt in the `/usr/openwin/share/etc/keytables/keytable.map` file. The modified entry should read as follows:

```
4                          33          Poland5_pr.kt
```

3. Reboot the system for the changes to take effect.

Localization Bugs

The following Localization bugs apply to the Solaris 9 9/05 release.

Sort Capability in the European `UTF-8` Locales Does Not Function Correctly (4307314)

The sort capability 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.

Sun ONE Application Server Bugs

The following Sun ONE Application Server bugs apply to the Solaris 9 9/05 release.

Default Browser Is Incompatible With Sun ONE Application Server 7 (4741123)

When you attempt to use the Sun ONE Application Server Administrative UI with the Solaris 9 9/05 software default browser, the following error message is displayed:

```
Unsupported Browser: Netscape 4.78
It is recommended that you upgrade your browser to Netscape 4.79 or
Netscape 6.2 (or later) to run the Sun One Application Server
Administrative UI. Those who choose to continue and not upgrade may
notice degraded performance or unexpected behavior.
```

Note – If you are running the version of Sun ONE Application Server Administrative UI that is included in the Solaris 9 9/05 release, use Netscape 4.79 or Netscape 7.0 software.

Workaround: Use `/usr/dt/appconfig/SUNWns/netscape` instead of `/usr/dt/bin/netscape`.

Sun ONE Directory Server (Formerly iPlanet Directory Server) Issues

The following issues pertains to the Sun ONE Directory Server processes and tasks.

Setup Issue

When typing a Distinguished Name (DN) 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. Lightweight Directory Interchange Format (LDIF) files that are 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 Sun Open Net Environment (Sun ONE) Directory Server (formerly iPlanet Directory Server) 5.1 differs from the schema that is 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 at least one value for these types must be present in the respective object class.

The `aci` attribute is an operational attribute that is not returned in a search, unless you explicitly request the attribute.

Replication Issue

Multimaster replication over a wide area network (WAN) is currently not supported.

Server Plug-In Issues

Sun ONE Directory Server 5.1 provides the user identification number (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* at http://docs.sun.com.

The Referential Integrity plug-in is now off by default. To avoid conflict resolution loops, the Referential Integrity plug-in should only be enabled on one master replica in a multimaster replication environment. Before enabling the Referential Integrity plug-in on servers that issue 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. This attribute 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 virtual list view (VLV) indexes encompass more than one database, the VLV indexes do not work correctly.

Sun ONE Directory Server Bugs

The following Sun ONE Directory Server bugs apply to the Solaris 9 9/05 release.

Cannot Inactivate Users Through Console (4521017)

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

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

1. Create the new user or new role.
2. Double-click the newly created user or newly created role. Or, select the newly created user or newly created role. 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 newly created role is inactivated.

Cannot Configure Directory With a Root Suffix That Contains Spaces (4526501)

If you specify a base DN that contains a space, for example, `o=U.S. Government,C=US` at Sun ONE Directory Server 5.1 configuration time, the resulting DN is truncated to `Government,C=US`. At configuration time, the DN should be typed 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 side of the navigation pane of the Servers and Applications tab on the Console.
2. Edit the suffix in the User directory subtree field.
3. Click OK.

Account Lockout Remains Effective After the User Password Is Changed (4527623)

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

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

Console Backup Done Immediately After Installation Fails (4531022)

If you install the Sun ONE Directory Server 5.1, start the console, initialize the directory with an LDIF file, and then back up the server, the Console reports the backup was successful. However, the backup 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, 4933500)

You cannot use the LDAP naming services to create automount path names that are identical, with the exception of case results in nonunique path names. The directory server does not allow creation of entries if the naming attribute is defined with case-sensitive syntax, and an entry already exists with the same name, but a different case.

For example, `/home/foo` and `/home/Foo` paths cannot coexist.

If entry `attr=foo,dc=mycompany,dc=com` exists, the server does not allow the creation of `attr=Foo,dc=mycompany,dc=com`. A corollary of this problem is when LDAP naming services are used, automount path names have to be unique, regardless of their case.

Workaround: None.

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

If the server is stopped during `export`, `backup`, `restore` or index creation, the server crashes.

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

Replication Unable to Use Self-Signed Certificate (4679442)

If you attempt to configure replication over SSL with certificate-based authentication, replication does not work if either of the following conditions exist:

- The supplier's certificate is self-signed.
- 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.

Workaround: None.

Security Issue

The following security issue applies to the Solaris 9 9/05 release.

Nonpassword Logins Fail With pam_ldap Enabled

After the account management PAM module for LDAP (`pam_ldap`) is enabled, users must have passwords to log in to the system. Consequently, nonpassword-based logins fail, including those logins that use the following tools:.

- Remote shell (`rsh`)
- Remote login (`rlogin`)
- Secure shell (`ssh`)

Workaround: None.

UFS File System Bug

The following UFS File System bugs apply to the Solaris 9 9/05 release.

SPARC: Using `fssnap` on a Multiterabyte UFS File System Does Not Work (4836824)

Using the `fssnap` command to create a snapshot of a UFS file system that is greater than 1 Tbyte in size is not supported in the Solaris 9 9/05 release. The following error message is displayed:

```
fssnap: Fatal: File system /dir/snapshot0 support large files.
```

Workaround: None.

End-of-Software Support Statements

This chapter lists end-of-support statements.

Features Removed From the Solaris 9 Software

The following features are no longer supported in the Solaris 9 software.

`adb` Map Modifiers and Watchpoint Syntax

The `adb` utility is implemented as a link to the new `mdb` utility in this release.

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

- The text output format of some subcommands is different in `mdb`. 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` is different from the syntax that is described in `adb`. The `adb` watchpoint commands `:w`, `:a`, and `:p` enable an integer length (in bytes) to be inserted between the colon and the command character. In the `mdb`(1) man page, the count should be specified after the initial address as a repeat count.

  The `adb` command `123:456w` is specified in the `mdb` man page as `123,456:w`.

- The `/m`, `/*m`, `?m`, and `?*m` format specifiers are not recognized or supported by `mdb`.

AnswerBook2 Server

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

`aspppd` Utility

The `aspppd` utility is no longer included in this release. Instead, use the `pppd`(1M) utility with Solaris PPP 4.0 utility that is included in the Solaris 9 software.

`ATOK8` Japanese Input Method

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

`crash` Utility

The `crash` utility is no longer supported in this release. In the Solaris 9 software, the `mdb`(1) utility provides a function that is similar to the `crash` utility. The `mdb` utility also examines system crash dump files. The `crash` utility's interface has been structured around implementation details, such as slots, that have no relation to the Solaris software implementation.

The *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` 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 capability 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 software. 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 software.

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

Two Japanese input methods, ATOK12 and Wnn6, are supported in the Solaris 9 software. For more information on the ATOK12 and Wnn6 input methods, see the *International Language Environments Guide.*

x86: `devconfig` Command

The `devconfig` command is no longer supported in this release.

x86: Device and Driver Software Support

The following table lists devices and driver software that are no longer supported in this release.

TABLE 3–1 Devices and Driver Software

Name of Physical Device	Name of Driver	Type of Card
Mylex/Buslogic FlashPoint Ultra PCI SCSI	`flashpt`	SCSI HBA
Madge Token Ring Smart 16/4, Madge Token Ring Smart 16/4 PCI BM Mk2, Madge Token Ring Smart 16/4 PCI BM Mk1, and Madge Token Ring PCI Presto	`mtok`	Network
Compaq Integrated NetFlex-3 10/100 T PCI, Compaq NetFlex-3/P, Compaq NetFlex-3 DualPort 10/100 TX PCI, Compaq Netelligent 10 T PCI, and Compaq Netelligent 10/100 TX PCI	`cnft`	Network

Early Access (EA) Directory

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

Emulex MD21 Disk Controller for ESDI Drives

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

`enable_mixed_bcp` Tunable

The `enable_mixed_bcp` tunable is no longer supported in this release. In Solaris releases prior to the Solaris 9 release, 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 software, 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.

x86: Intel 486–Based Systems

The Solaris software is no longer supported on Intel 486–based systems.

`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 software. The Solaris 1.0 BCP (JLE) application and compatible versions can still run in the Solaris 9 software 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 software. Near-equivalent capability is supported by Java 2 Standard Edition, versions 1.4 and compatible versions. Current and previous versions of JDK and Java runtime environment (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 capability 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.

Kerberos Version 4 Client

The Kerberos version 4 client was removed from the Solaris 8 release. This client includes the Kerberos version 4 support in the `kdestroy`, `kerbd`, `kinit`, `klist`, `ksrvtgt`, `mount_nfs`, and `share` commands. The Kerberos version 4 client also includes support in the `kerberos (3KRB)` library, and in the ONC RPC programming API `kerberos_rpc (3KRB)`.

For more information, see the `kdestroy`(1), `kinit`(1), `klist`(1), `mount_nfs`(1M), and `share`(1M) man pages.

Netscape 4.7x Software

Netscape™ 4.7x software is no longer supported in Solaris OS. Use Mozilla software instead.

Netscape 6.2x and Netscape 7.0 Software

Netscape 6.2x software and Netscape 7.0 software are no longer supported in Solaris OS. Use Mozilla software instead.

OpenWindows Toolkits for Developers

Development in the OpenWindows™ XView™ and OLIT toolkits is no longer supported in this release. 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 software.

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 software. Applications that use the OpenWindows XView and OLIT toolkits can still run on the Solaris 9 software 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 that are 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 `SUNWcsr` 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 software.

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 special 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.

Solaris Maintenance Updates

The separate patch collections provided in conjunction with the Solaris releases, the Solaris Maintenance Updates (MUs), are no longer supported in this release.

`SUNWebnfs` Package

The `SUNWebnfs` package is no longer included on the Solaris software 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` Package

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 that are available
on http://docs.sun.com.

Features That Might Be Removed in a Future Release

The following features might not be supported in a future release of the Solaris
software.

`device_driver` Path-Name Support in `add_drv` System Command

The `add_drv` command accepts a path-name specification for the `device_driver`
parameter. This feature might be removed in a future release.

In the Solaris 9 software, the following warning message is written to STDERR when a path name is specified:

```
Warning: pathname support will be discontinued in future releases of add_drv.
```

During the installation process, warning messages that are generated by the use of the path-name specification appear in the `install_log` file.

For more information, see the `add_drv`(1M) man page.

`AdminTool` Command

AdminTool (`admintool`), including `swmtool`, might not be supported in a future release.

Asian Short `dtlogin` Names

The following Asian short locale names might not be listed in the `dtlogin` language list in a future release:

- `zh`
- `zh.GBK`
- `zh.UTF-8`
- `ko`
- `ko.UTF-8`
- `zh_TW`

The Solaris 8, Solaris 9, and Solaris 9 9/05 releases provide new ISO-standard locale names, which include the following locale names:

- `zh_CN.EUC`
- `zh_CN.GBK`
- `zh_CN.UTF-8`
- `ko_KR.EUC`
- `ko_KR.UTF-8`
- `zh_TW.EUC`

`asysmem()` and `sysmem()` Interfaces

The `asysmem()` and `sysmem()` interfaces, which are exported by `libadm`(3lib), might not be included in a future release. Both interfaces are obsolete. Application developers are advised to use the `sysconf`(3C) library function instead.

For more information, see the `sysconf`(3C) man page.

Audit Daemon Interfaces

The following interfaces that are used by the Solaris audit daemon might not be supported in a future release:

- `auditsvc(2)`
- `audit_data(4)`

Device Allocation Interfaces For the Basic Security Module

The following components of the device allocation mechanism of the Basic Security Module might not be included in a future release of the Solaris software:

- `mkdevalloc(1M)`
- `mkdevmaps(1M)`
- `/etc/security/dev`

Obsolete Device Driver Interfaces

Some device driver interfaces (DDI) might not be supported in a future release.

The following table lists the DDI interfaces that might not be supported, along with the preferred DDI interface alternatives.

Obsolete Interface	Preferred Interface
`mmap`	`devmap`
`identify`	`set to nulldev`
`copyin`	`ddi_copyin`
`copyout`	`ddi_copyout`
`ddi_dma_addr_setup`	`ddi_dma_addr_bind_handle`
`ddi_dma_buf_setup(9F)`	`ddi_dma_buf_bind_handle`
`ddi_dma_curwin`	`ddi_dma_getwin`
`ddi_dma_free`	`ddi_dma_free_handle`
`ddi_dma_htoc`	`ddi_dma_addr[buf]_bind-handle`
`ddi_dma_movwin`	`ddi_dma_getwin`

Obsolete Interface	Preferred Interface
`ddi_dma_nextseg`	`ddi_dma_nextcookie`
`ddi_dma_nextwin`	`ddi_dma_nextcookie`
`ddi_dma_segtocookie`	`ddi_dma_nextcookie`
`ddi_dma_setup`	`ddi_dma_*_handle`
`ddi_dmae_getlim`	`ddi_dmae_getattr`
`ddi_getiminor`	`getminor`
`ddi_getlongprop`	`ddi_prop_lookup`
`ddi_getlongprop_buf`	`ddi_prop_lookup`
`ddi_getprop`	`ddi_prop_get_in`
`ddi_getproplen`	`ddi_prop_lookup`
`ddi_iopb_alloc`	`ddi_dma_mem_alloc`
`ddi_iopb_free`	`ddi_dma_mem_free`
`ddi_mem_alloc`	`ddi_dma_mem_alloc`
`ddi_mem_free`	`ddi_dma_mem_free`
`ddi_map_regs`	`ddi_regs_map_setup`
`ddi_mapdev`	`devmap_setup`
`ddi_mapdev_intercept`	`devmap_load`
`ddi_mapdev_nointercept`	`devmap_unload`
`ddi_prop_create`	`ddi_prop_update`
`ddi_prop_modify`	`ddi_prop_update`
`ddi_segmap`	`see devmap`
`ddi_segmap_setup`	`devmap_setup`
`ddi_unmap_regs`	`ddi_regs_map_free`
`free_pktiopb`	`scsi_free_consistent_buf`
`get_pktiopb`	`scsi_alloc_consistent_buf`
`makecom_g0`	`scsi_setup_cdb`
`makecom_g0_s`	`scsi_setup_cdb`
`makecom_g1`	`scsi_setup_cdb`
`makecom_g5`	`scsi_setup_cdb`

Obsolete Interface	Preferred Interface
scsi_dmafree	scsi_destroy_pkt
scsi_dmaget	scsi_init_pkt
scsi_pktalloc	scsi_init_pkt
scsi_pktfree	scsi_destroy_pkt
scsi_resalloc	scsi_init_pkt
scsi_resfree	scsi_destroy_pkt
scsi_slave	scsi_probe
scsi_unslave	scsi_unprobe
ddi_peek{c,s,l,d}	ddi_peek{8,16,32,64}
ddi_poke{c,s,l,d}	ddi_poke{8,16,32,64}
in{b,w,l}	ddi_get{8,16,32}
out{b,w,l}	ddi_put{8,16,32}
repins{b,w,l}	ddi_rep_get{8,16,32}
repouts{b,w,l}	ddi_rep_put{8,16,32}
GLOBAL_DEV	Specify 0
NODEBOUND_DEV	Specify 0
NODESPECIFIC_DEV	Specify 0
ENUMERATED_DEV	Specify 0
DDI_IDENTIFIED	not needed
DDI_NOTIDENTIFIED	not needed

Device Management Entries in power.conf

The Device Management entries in the power.conf file might not be supported in a future release. Similar capability is provided by the Automatic Device Power Management entries in the Solaris 9 software.

For more information, see the power.conf(4) man page.

Device Support and Driver Software

The following table lists devices and driver software that might not be supported in a future release.

TABLE 3–2 Device and Driver Software

Name of Physical Device	Name of Driver	Type of Card
AMI MegaRAID host bus adapter, first generation	`mega`	SCSI RAID
Compaq 53C8x5 PCI SCSI, and Compaq 53C876 PCI SCSI	`cpqncr`	SCSI HBA
Compaq SMART-2/P Array Controller and Compaq SMART-2SL Array Controller	`smartii`	SCSI RAID controller

Euro Character Input Sequences That Are Alt Key-Based and Meta Key-Based

The following nonstandard-input key sequences for the Euro character in Solaris Unicode/UTF-8 locales might not be supported in a future release:

- Alt-E
- Alt-4
- Alt-5
- Meta-E
- Meta-4
- Meta-5

Note – In the key sequences, a hyphen indicates simultaneous keystrokes. A plus sign indicates consecutive keystrokes.

The following are the recommended standard-input key sequences:

- Alt Graph-E
- Compose+C+=

If the keyboard has no Alt Graph or Compose key, use the following key sequence:

- Ctrl-Shift-T+C+=

Federated Naming Service XFN Libraries and Commands

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

`fork()` Function

The behavior of `fork()`, when not linked to the `-lpthread` library, might change in a future release. This behavior change makes Solaris threads consistent with Portable Operating System Interface (POSIX) threads.

The `fork()` function might be redefined to behave like `fork1()`. Therefore, `fork()` would replicate only the calling thread in the child process. This redefinition matches the current behavior of `fork1()` and of `fork()` when linked with `-lpthread`.

Support for applications that require the `replicate-all` behavior of `fork()` would still be provided.

Generic LAN Driver Version 0 Interfaces

The Generic LAN Driver (GLD) version 0 interfaces might not be supported in a future release. These interfaces were described in the *Solaris 2.1 Device Driver Writer's Guide for x86*. Drivers should use the version 2 interfaces that are described in *Writing Device Drivers*.

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.

For more information, see the `zoneinfo`(4) and `environ`(5) man pages.

SPARC: Graphic Driver Support

Software support for the following graphic devices might not be provided in a future release:

Device	Driver
MG1,MG2	bwtwo
CG3	cgthree
SX/ CG14	sx, cgfourteen
TC	cgeight

Device	Driver
TCX	tcx

Java Runtime Environment 1.2.2

Version 1.2.2 of the Java runtime environment (JRE) might not be supported in a future release. Similar capability is supported by Java 2 Standard Edition, version 1.4 and compatible versions. Current and previous versions of JRE are available for download from http://java.sun.com.

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Kodak Color Management System

Support for the Kodak Color Management System (KCMS™) might not be available in a future release.

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 software as a replacement for Korean CID fonts.

Lance Ethernet Drivers

Lance Ethernet (le) network drivers might not be supported in a future release.

libXinput Library

The libXinput.so.0 library might not be provided in a future release of the Solaris software. The libXinput.so.0 library was provided for backward compatibility with X11R4 applications that were built by using the draft standard X Input API of Solaris 2.1 and Solaris 2.2. The X11 standard X Input Extension library, libXi, was integrated in Solaris 2.3.

All applications that rely on the libXi API should be built by using the libXi shared library for future compatibility and standards conformance.

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).

Obsolete Lightweight Process (LWP) Interfaces

The following LWP interfaces might not be supported in a future release:

- `_lwp_create`
- `_lwp_detach`
- `_lwp_exit`
- `_lwp_getprivate`
- `_lwp_makecontext`
- `_lwp_setprivate`
- `_lwp_wait`

These interfaces are not part of a common model with multithreading enabled by default. The interfaces have worked as expected only when used in applications that are not linked with libthread.

For more information, see the `_lwp_create`(2), `_lwp_detach`(2), `_lwp_exit`(2), `_lwp_getprivate`(2), `_lwp_makecontext`(2), `_lwp_setprivate`(2), and `_lwp_wait`(2) man pages.

Nameless Interface Groups Feature

The Nameless Interface Groups feature, enabled by `ndd /dev/ip ip_enable_group_ifs`, might not be supported in a future release. Use the supported IP Network Multipathing feature, which provides similar capability. IP multipathing groups can be formed by using the group keyword of the `ifconfig` command.

For more information, see the `ndd`(1M) and `ifconfig`(1M) man pages.

`netstat -k` Option

The unsupported `-k` option of `netstat`, which reports on all named kstats on the running OS instance, might be removed in a future release. Use the supported `kstat` command, which provides similar capability. The `kstat` command was introduced in the Solaris 8 software.

For more information, see the kstat(1M) man page.

Network Information Service Plus (NIS+) Name Service Type

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

pam_unix Module

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

For more information, see the pam_unix(5), 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) man pages.

Perl Version 5.005_03

Perl version 5.005_03 might not be supported in a future release. In the Solaris 9 release, the default version of Perl has been changed to a version that is not binary compatible with the earlier version (5.005_03). However, the earlier version of Perl 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 (ioctls) commands 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 `ioctls` are supported in the Solaris 9 9/05 release:

- 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 `ioctls`, see the `ioctl`(2) man page.

64-bit SPARC: `ptrace` Interface in libc

The 64-bit version of the `ptrace` interface that is included in libc might not be supported in a future release. The `proc` interface replaces this functionality.

For more information, see the `proc`(4) man page.

`sendmailvars` and the `L` and `G` `sendmail.cf` commands

The `sendmailvars` database that is listed in `nsswitch.conf`(4) might not be supported in a future release. This feature could not be enabled without using the `L` or `G` `sendmail.cf` commands. This change brings the Sun version of sendmail into closer compliance with the version from sendmail.org.

SPARC: 64-bit Packages

The Solaris software is currently delivered in separate packages for 32-bit and 64-bit components. The 64-bit packages, introduced in the Solaris 7 release, deliver the 64-bit components of the Solaris software. In general, the 64-bit package name ends with the letter *x*. For example, SUNWcsl delivers the 32-bit version of the Solaris Core Libraries, and SUNWcslx delivers the 64-bit version.

In a future Solaris release, 32-bit and 64-bit components might be delivered together in a single base package. The combined package retains the name of the original 32-bit package, and the 64-bit package would no longer be delivered. For example, /usr/lib/sparcv9/libc.so.1, which is currently delivered in SUNWcslx, would be delivered in SUNWcsl and SUNWcslx would no longer be delivered.

> **Note –** Some packages only deliver 64-bit components and have no corresponding 32-bit package. In these cases, the packages might be renamed to remove the " x" suffix. For example, SUNW1394x might become SUNW1394.

sdtjmplay Desktop Java Media Player

The Desktop Java Media player, /usr/dt/bin/sdtjmplay, that is based on the Java Media Framework 1.1, might not be provided in a future release. Users should migrate to /usr/bin/jmplay, the Java Media Player that is based on the newer Java Media Framework 2.1.1 release.

The jmplay Java Media Player is included in the Solaris 9 8/03 and later releases. jmplay is also available for the Solaris 8 and earlier Solaris 9 releases, as part of the GNOME 2.0 Desktop Environment.

The GNOME 2.0 Desktop Environment is available for download by going to http://www.sun.com/gnome/.

Serial Parallel Controller (SPC) Driver

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

Solaris 32-bit Sun4U Kernel

Many installations of the Solaris 7, 8, and 9 software use the default 64-bit kernel to support 32-bit and 64-bit applications. Customers who use the 32-bit kernel on UltraSPARC systems should read this notice.

In the Solaris 7, 8 and 9 releases, all systems that are based on the UltraSPARC I and UltraSPARC II processors provide administrators the choice of booting a 32-bit kernel or a 64-bit kernel. The UltraSPARC III and later systems support only the 64-bit kernel.

In a future release of the Solaris software, the 32-bit kernel might not be available for the UltraSPARC I and UltraSPARC II systems.

The primary impact of these changes is to systems that rely on third-party, 32-bit kernel modules: firewalls, kernel-resident drivers, and replacement file systems, for example. These systems must be updated to use 64-bit versions of those modules.

Another impact of these changes is that UltraSPARC systems that contain UltraSPARC I processors with clocks that run at 200 MHz or lower frequencies might not be supported in a future release.

To identify the system's kernel type, use the isainfo(1) command.

% **isainfo –kv**

To identify the system's processor clock rate, use the psrinfo(1M) command.

% **psrinfo –v | grep MHz**

Solaris Static System Libraries

This announcement applies only to 32-bit static-system libraries and statically linked utilities. 64-bit static system libraries and utilities have never been provided.

Support for 32-bit Solaris static-system libraries and statically linked utilities might not be provided in a future release. Of particular note, support for the static C library (/usr/lib/libc.a) might not be provided in a future release.

Applications that are linked with existing static system libraries might not work in a future release. Only applications that are dynamically linked with the system libraries that provide the Solaris application binary interface (ABI) are designed for future compatibility.

Applications that depend on the behavior of system traps might not work in a future release. Applications that link with libraries that depend on the behavior of system traps, typically libraries providing substitute ABI functions, also might not work in a future release.

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 capability is provided by UFS Logging, included in the Solaris 8 software, and compatible versions.

Solstice Enterprise Agents

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

Standalone Router Discovery

The /usr/sbin/in.rdisc implementation of the IPv4 ICMP Router Discovery protocol might not be supported in a future release of the Solaris software. A near-equivalent version of this protocol, which is implemented as a component of

/usr/sbin/in.routed, supports an enhanced administrative interface. The /usr/sbin/in.routed component supports the implementation of Routing Information Protocol (RIP) version 2. The /usr/sbin/in.routed component also has the ability to distinguish Mobile IP advertisements from Router Discovery messages.

Storage Interfaces

The following interfaces for device driver properties might not be supported in a future release:

- fast-writes (pln driver property)
- priority-reserve (pln driver property)

The following device drivers might not be supported in a future release:

- /kernel/drv/pln
- /kernel/drv/pln.conf
- /kernel/drv/sparcv9/pln
- /kernel/drv/soc
- /kernel/drv/sparcv9/soc

The following utility might not be supported in a future release:

- /usr/sbin/ssaadm

sun4m Hardware

sun4m hardware might not be supported in a future release.

Sun Java System Application Server Platform Edition 7.0 (Formerly Sun ONE Application Server 7.0 Platform Edition)

Version 7.0 of Sun Java System Application Server Platform Edition might not be supported in a future release. Similar capability is provided by Sun Java System Application Server Platform Edition 8 and compatible versions.

While most Java 2 Platform, Enterprise Edition (J2EE) applications will run unchanged in the Sun Java System Application Server Platform Edition 8, applications that use proprietary unstable APIs will require modification.

Sun StorEdge A3000, Sun StorEdge A3500, and Sun StorEdge A3500FC Systems

Software support for the following storage devices might not be provided in a future release of the Solaris software:

- Sun StorEdge™ A3000 system
- Sun StorEdge A3500 system
- Sun StorEdge A3500FC system

Tape Devices

The following tape devices might not be supported in a future release:

- Sun StorEdge DLT4700 Tape Autoloader
- Sun StorEdge L140 Tape Library
- Sun StorEdge L280 Tape Autoloader
- Sun StorEdge L400 Tape Library
- Sun StorEdge L1800 Tape Library
- Sun StorEdge L3500 Tape Library
- Sun StorEdge L11000 Tape Library

Ultra AX and SPARCengine Ultra AXmp Graphics Card

Support for the Ultra™ AX and the SPARCengine Ultra AXmp graphics card might not be provided in a future release of the Solaris software

32-bit: X11 Static Libraries

Static libraries in `/usr/openwin/lib` might not be supported in a future release of the Solaris software. Support for 32-bit static libraries in `/usr/openwin/lib` and programs that are statically linked with those libraries might not be provided in a future release. Sixty-four-bit static libraries have never been provided.

Applications that are linked with existing static libraries in `/usr/openwin/lib` might not work in a future release. Only applications that are dynamically linked with the shared libraries that provide the Solaris application binary interface (ABI) are designed for future compatibility.

XIL Interface

The XIL™ interface 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.
```

xetops Utility

The xetops utility might not be supported in a future release. The xetops utility converts an Asian text file to a PostScript file. This conversion enables Asian characters to be printed on PostScript printers that do not have resident Asian fonts.

Similar capability is provided in the mp command, which has been enhanced to support all of the native Asian encodings with more options and functionality.

xutops Print Filter

The xutops print filter might not be supported in a future release. Similar capability is provided by the mp print filter in the Solaris 9 9/05 release.

For more information, see the mp(1) man page.

Documentation Issues

This chapter describes known documentation problems.

Document Affected: *Sunscreen 3.2 Configuration Examples Manual*

In the chapter, "Using High Availability (HA)", sections 1b and 4b, on pages 72 and 73, should read as follows:

- **Section 1b:**

  If it does not already exist, configure the HA heartbeat interface.

  For `bos-screen1` in this example, use the following command:

  ```
  # echo "10.0.4.1" > /etc/hostname.hme3
  ```

- **Section 4b:**

  If it does not already exist, configure the HA heartbeat interface.

  For `bos-screen2` in this example, use the following command:

  ```
  # echo "10.0.4.2" > /etc/hostname.hme3
  ```

Document Affected: *System Administration Guide: Naming and Directory Services (DNS, NIS, and LDAP)*

The documentation issues in this section apply to different locations in the *System Administration Guide: Naming and Directory Services (DNS, NIS, and LDAP).*

The Name Service Switch (Overview)

At the end of the section, "The Switch File and Password Information", the following text should be added:

Avoid maintaining multiple repositories *for the same user*. By maintaining centralized password management in a single repository for each user, you reduce the possibilities of confusion and error. If you choose to maintain multiple repositories per user, update password information by using the `passwd -r` command.

passwd -r *repository*

If no repository is specified with the `-r` option, `passwd` updates the list of repositories in `nsswitch.conf` in reverse order.

LDAP Naming Services Setup and Administration

In the "LDAP Naming Services Setup and Administration" section, references to the use of the `ldapclient` command options are incorrect. For all Solaris 9 releases, the command syntax should be changed to the following:

Incorrect Reference	Correct Reference
ldapclient -l	ldapclient list
ldapclient -p	ldapclient init [-a *attribute name*]
ldapclient -m	ldapclient mod

For more information, see the `ldapclient`(1M) man page.

Transitioning from NIS to LDAP (Overview/Tasks)

In the chapter "Transitioning from NIS to LDAP (Overview/Tasks)", Table 19-2 N2L Commands and Files should include the following additional information.

TABLE 4–1 Table 19–2 N2L Commands and Files

Command or File	Description
ageing.byname	A mapping used by yppasswdd to read and write password aging information to the DIT when the NIS-to-LDAP transition is implemented.

Network Information Service (NIS) (Overview)

In the chapter "Network Information Service (NIS) (Overview)", Table 7-3 NIS Map Descriptions should include the following additional NIS maps.

TABLE 4–2 Table 7–3 NIS Map Descriptions

Map Name	Corresponding NIS Admin File	Description
auth.attr	auth.attr	Authorization names and descriptions
exec.attr	exec.attr	Profile execution attributes
prof.attr	prof.attr	Attributes for execution profiles
user.attr	user.attr	Extended attributes for users and roles
audit.user	audit.user	User auditing preselection data

Document Affected: Administering DHCP (Task) in *System Administration Guide: IP Services*

The section, "Creating DHCP Options and Macros for Solaris Installation Parameters", should include the following information about DHCP Vendor Options Size Limitations:

Note that the sum total of the values assigned to all the options in a macro must not exceed 255 bytes, including the option codes and length information. This limit is dictated by the DHCP protocol.

Generally, you should pass the minimum amount of vendor information needed. You should use short path names in options that require path names. If you create symbolic links to long paths, you can pass the shorter link names.

Document Affected: Using the CIM Object Manager in *Solaris WBEM Developer's Guide*

Several patches require that the CIM Object Manager be started manually, after the patches have been applied. The following is a list of those patches:

SPARC	x86
112943–08	114192–04
114503–03	114504–03
112945–20	114193–13
114711–02	114712–02

To restart the CIM Object Manager, follow these steps:

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

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

For more information about stopping and restarting the CIM Object Manager, see "Stopping and Restarting the CIM Object Manager," in the *Solaris WBEM Developer's Guide*.

Solaris 9 9/05 Operating System Patch List

The patches that are listed in this appendix have been applied to the Solaris 9 9/05 Operating System in one of the following ways:

- SolStart

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

- Freshbits technology

  These patches were applied when the Solaris 9 9/05 OS was created. Therefore, these patches are not located in the `/var/sadm/patch` directory.

The `showrev -p` command provides a list of all patches that were applied to the installed system, regardless of how these patches were applied. The Solaris 9 9/05 software includes a known and tested level of patches. However, patches cannot be backed out of the Solaris 9 9/05 release.

Note – The Solaris 9 9/05 software contains special patches that perform tasks that are specific to the Solaris release installation images. These patches are specific to each Solaris software release and do not apply to other systems or releases of the Solaris software. Do not attempt to download or install these patches on other systems or installations of the Solaris OS.

SPARC Patch List

- **111703-03 – SunOS 5.9: /usr/ccs/bin/sccs and /usr/ccs/bin/make patch**

```
4654328 4222874 4514485 4483221 4504348 4631517 4654957
```

- **111711-12 – SunOS 5.9: 32-bit Shared library patch for C++**

```
4618537 4619221 4660290 4668167 4679619 4680478 4686364 4709155 4710815 4302954 4698028
4699194 4704604 4708982 4745600 4747931 4749398 4749628 4750936 4756106 4794587 4797953
4806782 4820555 4851358 4825898 4828443 4853946 4856138 4861853 4886310 4884516 4894898
4918858 4876793 4919536 4864189 4949404 4951789 4953582 4953639 4965215 4945288 4967333
5019613 4957415 4678395 4962360 4997504 4859928 5019752 5032521 5037790 4980736 5034760
5039540 5001937 5041951 5109951
```

■ **111712-12 – SunOS 5.9: 64-Bit Shared library patch for C++**

```
4618537 4660290 4668167 4679619 4680478 4686364 4709155 4710815 4302954 4698028 4699194
4704604 4708982 4745600 4747931 4749398 4749628 4750936 4756106 4794587 4797953 4806782
4820555 4851358 4825898 4828443 4853946 4856138 4861853 4886310 4884516 4894898 4918858
4876793 4919536 4864189 4949404 4951789 4953582 4953639 4965215 4945288 4967333 5019613
4957415 4678395 4962360 4997504 4859928 5019752 5032521 5037790 4980736 5034760 5039540
5001937 5041951 5109951
```

■ **111722-04 – SunOS 5.9: Math Library (libm) patch**

```
4652341 4664522 4810765 4817713 4820770
```

■ **112233-12 – SunOS 5.9: Kernel Patch**

■

```
1101554 4114317 4115610 4201022 4203748 4254013 4259149 4336082 4352265 4354427 4357217
4360843 4371826 4375052 4382913 4390777 4396697 4401262 4407972 4409244 4412320 4416645
4417647 4419540 4425786 4462509 4466085 4466741 4466818 4469395 4473583 4479794 4484338
4487572 4488694 4490164 4491038 4495650 4496935 4498831 4500536 4502640 4504686 4507281
4509659 4511634 4512855 4519289 4520669 4520798 4521521 4521525 4522402 4524005 4524236
4525533 4527648 4532512 4533078 4533108 4533270 4533712 4592876 4613988 4614574 4617247
4618812 4619267 4619870 4622581 4623395 4625392 4627510 4627620 4629396 4629569 4630273
4630754 4631275 4631903 4633008 4633015 4633655 4634031 4634907 4636049 4636186 4637031
4638234 4638346 4638608 4638981 4639079 4639552 4640210 4640282 4640542 4640982 4641546
4641562 4642754 4643857 4644123 4644346 4644731 4644822 4645471 4647361 4648171 4648388
4649104 4649557 4649851 4650210 4651201 4652995 4653044 4653919 4653957 4655634 4656795
4657510 4658216 4659144 4659588 4659777 4659882 4659950 4660167 4661403 4661424 4661605
4662169 4662795 4662866 4663297 4664249 4664740 4664749 4664967 4666799 4666858 4667688
4667724 4669462 4669486 4670609 4671383 4672604 4672677 4672730 4672991 4673299 4673676
4674788 4675057 4675827 4675868 4676535 4676707 4677620 4678303 4678396 4680447 4681040
4682258 4682824 4682913 4682918 4683307 4683862 4684649 4686454 4686943 4687362 4687850
4688392 4688398 4688704 4689309 4691127 4691577 4691670 4692542 4693350 4693574 4694382
4694445 4694560 4695771 4695786 4696700 4697189 4697205 4697219 4697555 4697693 4698325
4698684 4699257 4699850 4700697 4701391 4701854 4702559 4703343 4703422 4704851 4704996
4705144 4707874 4708822 4709147 4709805 4711013 4711133 4711217 4711218 4711745 4712228
4712247 4712511 4712882 4713110 4713403 4713409 4713787 4714062 4714245 4714688 4714988
4715897 4716210 4716320 4717004 4717581 4718013 4718366 4718565 4719361 4719365 4719669
4720790 4721112 4721396 4722493 4722897 4723473 4725286 4725524 4726041 4729275 4729479
4729683 4730464 4731198 4732328 4734635 4735093 4736439 4736802 4737372 4737656 4738280
4739920 4740300 4740766 4740769 4742711 4743053 4744248 4744825 4745039 4745795 4746505
4747307 4747714 4748309 4748411 4748843 4749268 4749542 4749669 4749934 4754201 4756231
4756923 4756968 4757023 4757216 4757217 4757311 4757427 4757685 4757718 4759341 4759384
4760434 4761972 4762184 4762697 4763047 4763130 4763284 4763402 4763631 4763813 4764351
4764514 4764855 4766103 4768631 4769147 4769411 4770236 4771216 4772038 4772117 4772200
4772712 4772813 4772938 4773620 4775105 4775225 4776141 4776340 4779758 4779923 4780607
4780672 4780968 4781113 4781213 4784039 4784529 4785044 4785304 4785321 4785492 4785538
4786613 4788230 4788692 4788766 4789213 4789964 4790144 4790941 4791004 4791375 4791734
4791797 4792494 4793178 4793485 4793905 4794501 4794712 4795674 4796430 4797520 4797833
4797841 4798095 4798883 4799039 4799057 4799331 4799482 4799964 4801624 4802549 4803265
```

```
4803293 4803645 4804524 4804998 4805126 4805135 4805889 4806176 4806695 4806726 4807341
4808811 4808976 4809427 4809516 4810029 4810810 4812284 4812495 4815160 4816791 4816970
4819633 4820199 4820268 4820881 4821425 4821560 4822207 4822916 4823616 4823794 4824314
4824684 4824988 4825042 4825299 4826425 4827119 4827657 4828704 4828785 4829241 4829272
4830128 4830207 4830650 4831983 4832104 4832222 4832963 4833032 4833129 4834383 4834559
4836134 4836575 4836611 4837250 4837378 4838367 4839059 4840464 4841551 4841716 4842738
4843000 4844839 4845500 4845974 4846355 4846488 4847372 4847429 4848215 4848538 4849297
4849433 4850672 4852269 4852595 4853405 4854496 4854840 4854928 4855160 4855271 4855825
4856084 4856452 4857861 4857890 4858401 4858518 4858710 4860142 4860644 4860789 4861807
4863460 4863473 4865678 4865731 4867775 4869170 4869242 4870519 4870759 4872043 4872125
4872727 4872902 4873681 4874096 4874917 4875077 4876225 4876816 4876829 4880098 4880360
4880617 4881707 4882780 4883780 4884138 4884410 4527681 4650055 4656013 4660429 4671573
4707744 4718277 4759414 4771770 4779489 4782136 4792353 4819970 4843595 4844596 4848485
4852341 4868004 4937693 4901165 4926374 4919572 4920721 4951497 4885140 4885266 4886961
4887064 4888569 4888712 4891218 4891340 4891731 4892223 4892462 4892667 4893310 4895681
4896336 4896671 4899147 4899280 4899522 4900113 4900694 4901953 4902250 4902715 4903724
4904187 4904300 4904906 4905628 4907723 4910649 4912731 4914079 4915531 4915829 4918452
4921227 4921384 4922074 4922244 4924092 4926980 4933109 4934641 4935140 4935283 4936678
4937102 4939432 4940715 4945272 4948460 4950181 4955340 4960373 4964310 4976241 4984058
4984625 4998060 5005931 5010573
```

■ **112540-23 – SunOS 5.9: Expert3D IFB Graphics Patch**

```
4316968 4494062 4497748 4514222 4515693 4617170 4624812 4645735 4649811 4650501 4651919
4652111 4652804 4654897 4655393 4659006 4663042 4663732 4664981 4668373 4675933 4691212
4697564 4698167 4703423 4720843 4731406 4733511 4744109 4770590 4773187 4773758 4796686
4799602 4800990 4807363 4811078 4819025 4821124 4827925 4829271 4834826 4834943 4835610
4838855 4841559 4842523 4849515 4855275 4855696 4859777 4860483 4860499 4878341 4890601
4891694 4892346 4904242 4904716 4915313 4916475 4916476 4916477 4916480 4916484 4919418
4924725 4925736 4927661 4938131 4992339 4994767 5014029 4961263
```

■ **112565-23 – SunOS 5.9: XVR-1000 GFB Graphics Patch**

```
4587680 4629777 4635704 4636225 4636721 4636748 4636788 4636846 4636866 4637546 4637796
4638125 4639155 4640002 4641167 4641177 4643375 4643767 4649442 4652512 4664996 4668381
4669035 4669039 4670095 4671387 4674533 4674551 4675252 4676118 4679353 4679830 4685579
4699753 4703545 4708069 4717529 4730199 4734313 4739840 4745719 4758471 4759742 4766223
4768264 4771302 4772027 4772063 4772398 4772798 4775646 4781933 4783131 4790859 4792390
4793154 4796917 4804999 4805014 4805898 4810194 4811518 4815925 4824880 4827925 4841960
4857379 4857396 4890323 4897108 4898864 4907857 4914546 4925658 4940639 4949497 4959146
4982117 4988586 4992946 5013917 5034134 5001029
```

■ **112601-10 – SunOS 5.9: PGX32 Graphics**

```
4502887 4633850 4688024 4728662 4740340 4800057 4776309 4715825 4897594 4897600 4802284
4898192 4863629 6179624
```

■ **112613-04 – SunScreen 3.2: miscellaneous fixes for Solaris 9 SPARC**

```
4458205 4474065 4475718 4475976 4484731 4494052 4498719 4504550 4504560 4504562 4530873
4531796 4546483 4599245 4621944 4623384 4627419 4632254 4636508 4636511 4636514 4641757
4641855 4650187 4658497 4693028 4708402 4710480 4710493 4713896 4729278 4731099 4760976
4762492 4764370 4764373 4767244 4770205 4790511 4801062 4861572 4833684 4389132 4433735
4821206
```

■ **112617-02 – CDE 1.5: rpc.cmsd patch**

```
4641721 4687131
```

■ **112620-10 – SunOS 5.9: Elite3D AFB Graphics Patch**

```
4651358 4714683 4747203 4750896 4685879 4790842 4825115 4898180 4894194 4888713 4923277
4944261
```

- **112621-11 – SunOS 5.9: Creator and Creator3D: FFB Graphics Patch**

```
4663332 4651358 4714683 4747203 4750896 4685879 4649465 4790842 4779687 4798233 4898178
4894194 4885577 4923277
```

- **112622-18 – SunOS 5.9: M64 Graphics Patch**

```
4452851 4531901 4632595 4633941 4668719 4672129 4682681 4684877 4692693 4692955 4735033
4737335 4749353 4769331 4788379 4809395 4810073 4823882 4850359 4884504 4892535 4910182
4916240 4930077 4941630 4986097 5013232 5026499 5079625 4950414
```

- **112625-01 – SunOS 5.9: Dcam1394 patch**

```
4699746 4827215
```

- **112627-01 – SunOS 5.9: TCX Graphics Patch**

```
4349827
```

- **112661-08 – SunOS 5.9: IIIM and X Input & Output Method patch**

```
6175370 6212427 5046466 4901772 4803378 4805181 4805730 4823672 4593130 4412147 4726723
4629783 4721656 4721661 4742096 4691874 4650804 4774826 4645171 4643078 4664772 4604634
4617694 4617691 4471922 4691871 4686165 4515546 4772485 4777933 4776987 4770994
```

- **112764-07 – SunOS 5.9: Sun Quad FastEthernet qfe driver**

```
4838454 4779492 4792488 4792493 4807151 4790953 4772916 4760845 4681502 4738051 4727494
4704689 4717401 4719739 4451757 4367043 4411205 4664588 4655451 4292608 4645631 4911012
4876420 4794828
```

- **112771-28 – Motif 1.2.7 and 2.1.1: Runtime library patch for Solaris 9**

```
4512887 4663311 4664492 4679034 4615922 4661767 4699202 4741124 4757112 4743372 4712265
4750419 4717502 4787387 4756028 4764309 4782506 4839891 4887144 4891948 4475248 4816308
4930029 4852622 4942777 4953649 4762150 4946432 4939108 4991793 4973890 4923648 5051929
5058156 5086486 5086488 5099395 6205878 6209386
```

- **112785-49 – X11 6.6.1: Xsun patch**

```
4649617 4651949 4642632 4644622 4531892 4692623 4700844 4712590 4710958 4710402 4703884
4638864 4729267 4675755 4677235 4729905 4763009 4707069 4709009 4760672 4734353 4762797
4740125 4732113 4676222 4753720 4736505 4780894 4633549 4798375 4742744 4682788 4787692
4809081 4818111 4784311 4809776 4716007 4838617 4828474 4785372 4422011 4805863 4787416
4755776 4847054 4868692 4748474 4707057 4721898 4846090 4743878 4843234 4858548 4866506
4880222 4701451 4709918 4785959 4834460 4863536 4894855 4845579 4847731 4248632 4680913
4790284 4889121 4750598 4889164 4781056 4913527 4886190 4780425 4839220 4874319 4889565
4922200 4961781 4957436 4810740 4907034 4989547 4991847 4930353 4970756 4985837 4995611
4771300 4963084 5007488 4185550 4522529 4787667 5002007 4856208 4636452 4657934 5023755
5016583 4962001 4982339 5039004 5042212 5028901 5028657 4992287 4707141 5037725 5032391
5048853 5067275 5046466 5104863 6219932 6219947 5016163 6228875 6255133
```

- **112787-01 – X11 6.6.1: twm patch**

```
4659947
```

- **112804-02 – CDE 1.5: sdtname patch**

```
4666081 5033417
```

- **112805-01 – CDE 1.5: Help volume patch**

```
4666089
```

- **112806-01 – CDE 1.5: sdtaudiocontrol patch**

```
4666089
```

- **112807-16 – CDE 1.5: dtlogin patch**

```
4667119 4648724 4750889 4761698 4807292 4720523 4768118 4687193 4864597 4840141 5022437
4849776 4697287 4962013 4980138 4986079 4973189 5006986 5100451 6209544 6215729
```

- **112808-07 – CDE1.5: Tooltalk patch**

```
4722127 4741187 4744289 4784893 4668701 4707187 4713445 4865325 4871091 4915560 6206423
```

- **112809-02 – CDE:1.5 Media Player (sdtjmplay) patch**

```
4663628 4731319
```

- **112810-06 – CDE 1.5: dtmail patch**

```
4712584 4715670 4786715 4714769 4715322 4862205 4877306 5038601
```

- **112811-02 – OpenWindows 3.7.0: Xview Patch**

```
4690979 4459703
```

- **112812-01 – CDE 1.5: dtlp patch**

```
4646929
```

- **112817-23 – SunOS 5.9: Sun GigaSwift Ethernet 1.0 driver patch**

```
4629291 4637950 4640855 4645885 4647988 4648346 4651090 4658962 4675241 4678583 4678908
4681554 4686107 4686121 4686126 4687821 4690643 4690650 4696480 4698533 4699088 4702980
4703803 4703839 4704372 4704413 4707612 4708099 4708816 4710796 4717385 4717637 4724811
4728208 4730696 4734902 4735212 4735224 4735240 4738499 4739846 4746230 4753629 4753634
4754360 4762837 4763498 4763533 4779486 4784093 4792519 4797403 4798684 4804568 4813252
4817746 4827599 4827852 4830725 4833497 4840375 4841619 4841922 4842533 4845437 4850591
4850593 4850596 4850598 4850601 4858668 4861928 4872163 4873132 4877395 4878072 4878966
4883900 4884801 4885316 4892527 4892531 4892948 4894783 4898660 4899720 4899721 4900973
4906860 4915216 4915383 4915384 4922948 4924976 4925585 4928320 4929138 4935473 4939954
4948197 4948202 4952213 4952649 4952687 4949787 4919336 4962537 4988034 4998501 4963384
4958238 4962776 4934451 4998655 4962352 5004020 4993010 4828534 5052253 5056005 5065648
5070824 5074196 5079552 5076202 5008297 5090320 5099378 5097913 6205539 6204150 6199118
6187030
```

- **112834-06 – SunOS 5.9: patch scsi**

```
4628764 4656322 4656416 4883142 5027030 5041567 6178851
```

- **112835-01 – SunOS 5.9: patch /usr/sbin/clinfo**

```
4638788
```

- **112837-09 – SunOS 5.9: /usr/lib/inet/in.dhcpd Patch**

```
4621740 4678758 4721862 4840208 4932150 4944796 4981080 5086331 5098448 6220012
```

- **112838-11 – SunOS 5.9: pcicfg Patch**

```
4407705 4496757 4711639 4716320 4716448 4717617 4718370 4787898 4792953 4793178 4834066
4835953 4853539 4879904 4948204 5001947 5076027
```

- **112839-08 – SunOS 5.9: libthread shared objects patch**

```
4254013 4479187 4524527 4533712 4647410 4647927 4667173 4679005 4688450 4749669 4768343
4769150 4769166 4786566 4792908 4795308 4819289 4855271 4897700 5066336
```

■ **112854-02 – SunOS 5.9: icmp Patch**

```
4511634 4647983
```

■ **112868-19 – SunOS 5.9: OS Localization message patch**

```
4658681 4685336 4706059 4681374 4733193 4734495 4736248 4775204 4767999 4809660 4831626
4804312 4817097 4841909 4881566 4896232 4909364 4907285 4938538 4949060 4951926 4960952
4652810 4977809 5033601 5007256 5049550 6285742
```

■ **112874-31 – SunOS 5.9: lgroup API libc Patch**

```
1258570 4152876 4165723 4192824 4221365 4223846 4248430 4254013 4271957 4318178 4353836
4390053 4444569 4489885 4503048 4510326 4518988 4530367 4533712 4635556 4656492 4661997
4669963 4683320 4686454 4694626 4700602 4704190 4705942 4709984 4715561 4749274 4756113
4756148 4756192 4764855 4767215 4770160 4772200 4772960 4782294 4795713 4797219 4810810
4812362 4818401 4828746 4831309 4839080 4844583 4845974 4863473 4871054 4877492 4878257
4881606 4888508 4894760 4904877 4915053 4950403 4961173 4980686 4981484 5043013 5044097
5059751 5061718 5061770 5081268 6176463 6182350
```

■ **112875-01 – SunOS 5.9: patch /usr/lib/netsvc/rwall/rpc.rwalld**

```
4664537
```

■ **112905-02 – SunOS 5.9: ippctl Patch**

```
4644731 4647361 4712511
```

■ **112907-04 – SunOS 5.9: libgss Patch**

```
4197937 4220042 4642879 4799173 4829637
```

■ **112908-19 – SunOS 5.9: krb5 shared object Patch**

```
4197937 4220042 4430138 4516537 4521000 4526202 4630574 4642879 4657596 4666887 4671577
4690212 4691352 4711993 4727224 4743181 4744280 4770661 4794436 4807010 4830044 4836676
4837278 4841013 4846024 4847827 4851952 4865664 4881066 4882946 4995543 5004688 5031562
5055875 5063407 5096445 5109147
```

■ **112911-16 – SunOS 5.9: ifconfig Patch**

```
1148813 1240645 4075054 4327168 4341344 4396697 4417647 4425786 4475921 4479794 4488694
4532805 4532808 4532860 4559001 4587434 4592876 4635766 4637330 4637788 4639729 4648299
4648388 4660167 4661975 4673190 4675796 4676731 4678130 4685978 4688392 4688398 4688704
4690565 4691277 4694560 4699047 4701276 4703689 4703864 4705755 4726444 4728056 4728423
4728429 4728541 4751531 4763906 4773326 4775648 4775897 4777295 4783283 4798787 4799577
4803389 4804064 4804756 4806220 4808860 4817668 4828297 4834142 4836677 4837086 4859127
4863621 4865207 4879396 4915436 4929493 4959954 4971665 4995674 5005545 5013238 5018864
5035061 5049232 5073182 5073668 5078640 5096257 6195122 6227282 6231263
```

■ **112912-01 – SunOS 5.9: libinetcfg Patch**

```
4396697 4417647 4425786 4479794 4592876 4648388
```

■ **112913-01 – SunOS 5.9: fruadm Patch**

```
4505850
```

■ **112915-03 – SunOS 5.9: snoop Patch**

```
1148813 1240645 4075054 4259149 4327168 4341344 4396697 4417647 4425786 4473583 4475921
4479794 4532805 4532808 4532860 4559001 4587434 4592876 4635766 4637330 4637788 4648299
4648388 4676230 4744248 4763631
```

- **112916-01 – SunOS 5.9: rtquery Patch**

```
1148813 1240645 4075054 4327168 4341344 4475921 4532805 4532808 4532860 4559001 4587434
4635766 4637330 4637788 4648299
```

- **112917-01 – SunOS 5.9: ifrt Patch**

```
4645471
```

- **112918-01 – SunOS 5.9: route Patch**

```
1148813 1240645 4075054 4327168 4341344 4475921 4532805 4532808 4532860 4559001 4587434
4635766 4637330 4637788 4645471 4648299
```

- **112919-01 – SunOS 5.9: netstat Patch**

```
4645471
```

- **112920-02 – SunOS 5.9: libipp Patch**

```
4644731 4647361 4712511
```

- **112921-07 – SunOS 5.9: libkadm5 Patch**

```
4197937 4220042 4642879 4727188 4810632 4831653 4836676 4837278 4838735 5110105 6209960
```

- **112922-02 – SunOS 5.9: krb5 lib Patch**

```
4197937 4220042 4642879 4668699
```

- **112923-03 – SunOS 5.9: krb5 usr/lib Patch**

```
4197937 4220042 4642879 4703622 4836676
```

- **112924-01 – SunOS 5.9: kdestroy kinit klist kpasswd Patch**

```
4197937 4220042 4642879
```

- **112925-06 – SunOS 5.9: ktutil kdb5_util kadmin kadmin.local kadmind Patch**

```
4197937 4220042 4642879 4646370 4836676 4837278 4955217 5110105
```

- **112926-06 – SunOS 5.9: smartcard Patch**

```
4366894 4524620 4629775 4635010 4635082 4635106 4636389 4639842 4642726 4646472 4646476
4646497 4647454 4647542 4649161 4655166 4676018 4682730 4683241 4704250 4760613 4876141
6192339
```

- **112927-01 – SunOS 5.9: IPQos Header Patch**

```
4644731 4647361
```

- **112928-03 – SunOS 5.9: in.ndpd Patch**

```
4396697 4417647 4425786 4479794 4592876 4648388 4728204 4837086 4907462
```

- **112929-01 – SunOS 5.9: RIPv2 Header Patch**

```
1148813 1240645 4075054 4327168 4341344 4475921 4532805 4532808 4532860 4559001 4587434
4635766 4637330 4637788 4648299
```

- **112941-09 – SunOS 5.9: sysidnet Utility Patch**

```
4519228 4678406 4683519 4698391 4698500 4704974 4711830 4719195 4759857 4787789 4807079
4867326 4868757 4904083
```

- **112943-09 – SunOS 5.9: Volume Management Patch**

```
4429002 4478237 4508734 4516578 4576802 4632847 4637525 4645142 4648750 4656914 4656931
4660125 4664713 4696741 4704081 4715667 4730706 4739995 4764186 4773530 4791015 4791556
4931702
```

- **112945-36 – SunOS 5.9: wbem Patch**

```
4486297 4496120 4626762 4639638 4641801 4641818 4641851 4643267 4644880 4645051 4645080
4645105 4645146 4645315 4645581 4645811 4647508 4648811 4649058 4654765 4655882 4656941
4658145 4674537 4682188 4686244 4696284 4699585 4700539 4701067 4720857 4739720 4742164
4742960 4754758 4759233 4766098 4766971 4768461 4769053 4769612 4769791 4769795 4769860
4769889 4770013 4770017 4770024 4770027 4771207 4771466 4771469 4771476 4773485 4777931
4781761 4782465 4786712 4786891 4792126 4795642 4796483 4796491 4796519 4796556 4807821
4809906 4810642 4813116 4824518 4834362 4845276 4847816 4848759 4866907 4867928 4872697
4883742 4911869 4914834 4931247 4931702 4945068 4946973 4964126 4997883 5058260 5064520
5078226 5082296 5083069 5092404 5095994 6191674 6212927 6225230 6235892 6242775 6242778
6255908
```

- **112951-12 – SunOS 5.9: patchadd and patchrm Patch**

```
4421583 4529289 4623249 4625879 4639323 4678605 4706994 4723617 4725419 4728892 4731056
4737767 4744964 4750803 4759158 4767392 4850925 4919852 4949580 4967080 4985934 5045607
5087817 6199776 6220578
```

- **112954-12 – SunOS 5.9: uata Driver Patch**

```
4432931 4498182 4506478 4628670 4643720 4741112 4751244 4773958 4776171 4776340 4788885
4801603 4818293 4820811 4831997 4839726 4845333 5016145 5021806 5062839 5083090 5092593
6231964 6241837
```

- **112958-04 – SunOS 5.9: patch pci.so**

```
4657365 4695771 4767641 4779758 4798214 4872741 4884579 4959085
```

- **112959-01 – SunOS 5.9: patch libfru**

```
4643255 4661738
```

- **112960-30 – SunOS 5.9: libsldap ldap_cachemgr libldap Patch**

```
4192824 4248430 4357827 4390053 4523936 4614945 4624458 4630226 4643366 4645604 4648140
4648146 4658569 4658625 4660019 4670947 4677591 4682120 4683522 4688752 4698366 4698379
4698387 4700602 4702568 4709300 4720818 4723361 4743707 4746114 4747441 4751386 4751394
4754634 4755582 4756113 4757282 4765506 4768140 4774607 4776571 4779333 4780109 4784324
4787488 4793719 4802414 4805635 4830406 4830525 4858673 4873939 4874749 4877796 4887906
4890233 4890303 4894583 4913437 4920444 4966423 4977110 4980441 4981868 4988859 5003953
5005602 5006801 5007891 5012514 5014922 5014993 5022076 5044522 5047250 5055748 5067333
5096736 6219143 6230927
```

- **112963-22 – SunOS 5.9: linker Patch**

```
4461340 4470917 4504895 4526752 4526878 4529912 4533195 4546416 4616944 4621479 4622472
4624658 4630224 4633860 4638070 4642829 4651493 4651709 4654406 4655066 4662575 4664855
4668517 4669582 4671493 4696204 4698800 4701749 4706503 4707030 4707808 4710814 4714146
4715815 4716275 4716929 4728822 4730110 4730433 4731183 4739660 4743413 4744337 4744411
4745129 4745932 4746231 4753066 4754751 4755674 4764817 4765536 4766815 4770484 4770494
4772927 4774727 4775738 4778247 4778418 4779976 4783869 4787579 4790194 4792461 4793721
4796237 4796286 4798376 4802194 4804328 4806476 4811093 4811951 4811969 4816378 4817314
4824026 4825065 4825151 4825296 4826315 4830584 4830889 4831544 4831650 4834784 4838226
4845764 4845829 4850703 4860508 4865418 4870260 4872634 4878827 4889914 4900320 4900684
4904565 4904573 4906062 4911775 4911796 4911936 4912214 4915901 4918303 4918310 4918938
4930985 4930997 4933300 4936305 4939565 4939626 4939869 4940894 4946992 4948119 4948427
```

```
4951840 4955373 4955802 4963676 4964415 4966465 4967869 4968618 4973865 4974828 4975598
4987898 4994738 5002160 5006657 5012172 5013759 5021541 5021773 5023493 5029830 5031495
5032364 5034652 5036561 5041446 5042713 5044797 5047082 5047235 5047612 5056867 5058415
5062313 5063580 5064973 5067518 5071614 5076838 5079061 5080344 5080443 5085792 5086352
5092414 5094135 5096272 5098205 5102601 5105601 5106206 6173559 6173852 6174599 6175609
6175843 6177838 6178667 6181928 6182293 6182884 6183645 6189384 6190863 6191488 6192164
6192490 6195030 6195521 6198358 6204123 6207495 6209350 6212797 6215444 6217285 6219538
6222525 6226206 6228472 6235000 6241995 6244897 6251722 6251798 6254364 6258834 6260361
6260780 6261803 6261990 6262789 6266261 6267352 6268693 6276905 6280467 6283601 6284941
6291547
```

- **112964-13 – SunOS 5.9: /usr/bin/ksh Patch**

```
4223444 4372800 4498084 4702798 4750637 4753777 4786817 4790885 4801490 4804763 4902634
4902666 4927873 4985002 5010511 5056943 5084140 6208198
```

- **112965-05 – SunOS 5.9: patch /kernel/drv/sparcv9/eri**

```
4467555 4467562 4479894 4496082 4518457 4528597 4546894 4599774 4637678 4688458 4797731
4833490 4859554 4869132 5069764
```

- **112966-05 – SunOS 5.9: patch /usr/sbin/vold**

```
4638163 4794712 4817817 4895798 4903521 4905812 4961288
```

- **112968-01 – SunOS 5.9: patch /usr/bin/renice**

```
4502191
```

- **112970-08 – SunOS 5.9: patch libresolv**

```
4353836 4646349 4700305 4708913 4777715 4793327 4796596 4805812 4810893 4863307 4928758
6205056
```

- **112972-15 – SunOS 5.9: patch /usr/lib/libssagent.so.1 /usr/lib/libssasnmp.so.1 mibiisa**

```
4395096 4633918 4643121 4691177 4706022 4743605 4782625 4787450 4870467 4872468 4883185
4889976 4935739 4940928 4955967 4958796 4959348 5013979 5053265 6174926 6177562 6190633
6191323 6227115 6228341
```

- **112985-04 – SunOS 5.9: Volume Management Localization message patch**

```
4692900 4775188 4804590 4928522
```

- **112998-03 – SunOS 5.9: patch /usr/sbin/syslogd**

```
4243984 4424387 4558909 4665297 4670382 4670414 4670468 4674435 4705713 4772471 4787413
4812764
```

- **113020-02 – SunOS 5.9: Fixing Asia and Thai locales related problems**

```
4674651 4683429 4752139
```

- **113021-02 – SunOS 5.9: Sync with UTF-8 and correct yesstr/nostr definition**

```
4660271 4752139
```

- **113023-01 – SunOS 5.9: Broken preremove scripts in S9 ALC packages**

```
4707449
```

- **113027-04 – SunOS 5.9: libfrureg.so.1 Patch**

```
4687199 4726567 4911698 4987746
```

- **113028-01 – SunOS 5.9: patch /kernel/ipp/flowacct**

4645622 4658416

- **113029-06 – SunOS 5.9: libaio.so.1 librt.so.1 and abi_libaio.so.1 Patch**

4222093 4491712 4501001 4529739 4529831 4529893 4635940 4635945 4636591 4665847 4673944
4709171 4785625 4914854

- **113031-03 – SunOS 5.9: /usr/bin/edit Patch**

4349324 4635504

- **113032-03 – SunOS 5.9: /usr/sbin/init Patch**

4503048 4662013 4868026 6183189 6185257

- **113033-05 – SunOS 5.9: patch /kernel/drv/isp and /kernel/drv/sparcv9/isp**

4521066 4657311 4661696 4672156 4682951 4729861 4911589 4988575 5108175

- **113038-09 – SunOS 5.9: JFP manpages patch**

4808428 4809083 4695070 4742031 4688476 4710452 4717366 4851824 4852478 4907337 4907341
4961965 4961971 4979314 5046638

- **113046-01 – SunOS 5.9: fcp Patch**

4529255

- **113049-01 – SunOS 5.9: luxadm & liba5k.so.2 Patch**

4334693 4622990 4716238 4820044

- **113068-06 – SunOS 5.9: hpc3130 patch**

4672995 4698278 4762081 4796327 4799299 5062839

- **113070-01 – SunOS 5.9: ftp patch**

4658282

- **113071-01 – SunOS 5.9: patch /usr/sbin/acctadm**

4696138

- **113072-07 – SunOS 5.9: patch /usr/sbin/format**

4334693 4622990 4670999 4689757 4716238 4726667 4766161 4777332 4781880 4785642 4791416
4820859 4826988

- **113073-14 – SunOS 5.9: ufs and fsck patch**

1101554 4138139 4159866 4259149 4330959 4349828 4352265 4373671 4409244 4456383 4462054
4473583 4508010 4518313 4518317 4521998 4525396 4614574 4615383 4615387 4628758 4631270
4632281 4632750 4634737 4638166 4639871 4640210 4640578 4643091 4647351 4647352 4648067
4648917 4651323 4653481 4655532 4661975 4662172 4665951 4666299 4668224 4668960 4669927
4676143 4676731 4678627 4680610 4683907 4690701 4690983 4692082 4693730 4696312 4698878
4701093 4705486 4705513 4706477 4708464 4710160 4710390 4711136 4711969 4712873 4714648
4714923 4714988 4715369 4715443 4718706 4719744 4720138 4721112 4721124 4723547 4725693
4728078 4733518 4734635 4740375 4742084 4744248 4757140 4760182 4763631 4767357 4768557
4770487 4772960 4774716 4780601 4783931 4785875 4794712 4796134 4796430 4797967 4802281
4803148 4807979 4807983 4808079 4808489 4814438 4815160 4816898 4816970 4817074 4820916
4825181 4826191 4829570 4829703 4830061 4834259 4835153 4839059 4839268 4839900 4840737
4844927 4851366 4854233 4854408 4854410 4866439 4866453 4866715 4871258 4878873 4883796

```
4883904 4884138 4884359 4888423 4889619 4889692 4891129 4893952 4908210 4910467 4917281
4933271 4934391 4934706 4935923 4936591 4942378 4948494 4948693 4954374 4957434 4963065
4964390 4971146 4975541 4998030 4998625 5001778 5003251 5004305 5007951 5007980 5009586
5009684 5009733 5011522 5011799 5011839 5012030 5012606 5012815 5013142 5013143 5013146
5013148 5013166 5013167 5013172 5014316 5014558 5016028 5016531 5016684 5018631 5021214
5022111 5024116 5026788 5026796 5026803 5028147 5030217 5030655 5031644 5033523 5035160
5037602 5038605 5040057 5040128 5040154 5040306 5041157 5046091 5046783
```

■ **113074-04 – SunOS 5.9: ngdr.conf patch**

```
4654448 4712441
```

■ **113075-01 – SunOS 5.9: pmap patch**

```
4660871
```

■ **113076-02 – SunOS 5.9: dhcpmgr.jar Patch**

```
4643257 4673713 4687991 4731988
```

■ **113077-14 – SunOS 5.9: /platform/sun4u/kernel/drv/su Patch**

```
4397794 4646641 4666211 4697226 4707716 4709299 4734045 4747008 4764445 4766657 4776340
4781075 4835358 4897539 4940982 4961206 4972451 5006489 5042551 5076535
```

■ **113085-02 – SunOS 5.9: Thai font enhancement**

```
4688066 4708093 4747781
```

■ **113086-01 – SunOS 5.9: iconv modules between zh_CN.euc and UTF-8 are incompatible**

```
4672806
```

■ **113087-01 – SunOS 5.9: Cannot use other fonts to display Asian characters in xterm**

```
4692528
```

■ **113088-01 – SunOS 5.9: SPECIAL PATCH: Safe default permission violations**

```
4671052
```

■ **113089-01 – SunOS 5.9: SPECIAL PATCH: Bad postremove script of SUNWkuxft**

```
4706829
```

■ **113090-01 – SunOS 5.9: SPECIAL PATCH: Bad postinstall script of SUNWcdft**

```
4714477
```

■ **113096-03 – X11 6.6.1: OWconfig patch**

```
4684184 4682788 4707897
```

■ **113098-04 – X11 6.6.1: X RENDER extension patch**

```
4684184 4737595 4750162 4749332 4770510
```

■ **113110-01 – SunOS 5.9: touch Patch**

```
4482571 4659955
```

■ **113113-01 – SunOS 5.9: Problem with depend file of SUNWhdcl with HK locales in S9**

```
4670820
```

- **113125-01 – SunOS 5.9: missing libc_psr.so.1 symlink**

4704023

- **113145-02 – SunOS 5.9: Naturetech /platform links are not exist**

4707235

- **113146-06 – SunOS 5.9: Apache Security Patch**

4705227 4737442 4759882 4768221 4948830 5002881 5061043 5069902 5073308 5082985

- **113167-01 – SunOS 5.9: JFP xhost manpage patch**

4700173

- **113168-02 – SunOS 5.9: JFP Japanese TrueType Font**

4674655 4704720

- **113220-01 – SunOS 5.9: patch /platform/sun4u/kernel/drv/sparcv9/upa64s**

4114317

- **113224-01 – SunOS 5.9: efdaemon Patch**

4633009

- **113225-02 – SunOS 5.9: 2003d Timezone Patch**

4649654 4683487 4959639

- **113226-05 – SunOS 5.9: hme Driver Patch**

4364929 4370044 4725575 4789487 4846087 4893349 4905982 4951777

- **113228-01 – SunOS 5.9: 64 bit locale links missing in Solaris 9**

4664306

- **113240-11 – CDE 1.5: dtsession patch**

4701185 4743546 4763733 4788212 4837640 4880232 4845302 4944400 5023052 5023659 5064140

- **113244-06 – CDE 1.5: dtwm patch**

4743546 4853367 4868035 4917291 4948424 4956257 4971032 5091345

- **113273-10 – SunOS 5.9: /usr/lib/ssh/sshd Patch**

4708590 4718590 4725702 4801044 4860120 4895076 4923312 4939055 5006469 5039669 5048145
5055703 5060548 5087792

- **113277-35 – SunOS 5.9: sd and ssd Patch**

4027074 4273477 4313732 4334693 4336105 4358054 4360365 4375499 4412239 4492264 4498182
4500536 4527668 4622990 4624524 4628670 4645691 4651339 4651386 4651679 4654850 4655315
4656322 4656416 4672504 4673243 4716238 4722426 4725656 4728530 4731122 4734019 4734033
4739785 4741112 4744131 4746064 4756712 4758160 4758953 4759557 4761337 4766742 4770566
4773941 4773958 4774943 4776340 4788885 4797314 4799891 4801603 4804362 4809961 4812565
4818293 4819633 4819888 4819983 4820811 4821401 4824592 4828972 4831997 4839726 4841612
4848845 4851925 4852194 4854282 4861895 4866891 4870452 4894442 4895202 4899611 4903496
4904408 4957614 4976566 4983202 4987026 5020296 5023670 5030903 5047076 5067923 5095543
5103484 6177478 6183286 6225780 6232414

- **113278-11 – SunOS 5.9: NFS Daemon, rpcmod Patch**

```
4377827  4492876  4531028  4531029  4653361  4662762  4756472  4827409  4852381  4875916  4880986
4883107  4899933  4919172  4945167  4945997  5009814  5021165  5061331  6214620
```

- **113279-01 – SunOS 5.9: klmmod Patch**

```
4492876
```

- **113280-06 – SunOS 5.9: patch /usr/bin/cpio**

```
4646589  4661824  4674849  4677773  4679533  4679805  4688928  4711504  4738687  4740813  4768749
4771017  4789757  4790357  4792482  4802626  4803461  4810827  4844489  4879536  4894077  4911399
4971255  5006405  5021475
```

- **113281-01 – SunOS 5.9: patch /usr/lib/netsvc/yp/ypbind**

```
4515621
```

- **113318-21 – SunOS 5.9: NFS Patch**

```
4044295  4407669  4427971  4465488  4471199  4519102  4531662  4631449  4658316  4664740  4680195
4683308  4716413  4725574  4736706  4747261  4757427  4759341  4768760  4774462  4816496  4837285
4837290  4852269  4857986  4865731  4865982  4901380  4903465  4932305  4960336  4976875  4987169
5002826  5011676  5016808  5070448  5082540  5083133  5105010  6277307
```

- **113319-22 – SunOS 5.9: libnsl nispasswdd Patch**

```
1226166  4152876  4156580  4192824  4248430  4353836  4390053  4503714  4517003  4644308  4648085
4655472  4668699  4674036  4680691  4684558  4686960  4687778  4688447  4690775  4691127  4700602
4710928  4724357  4727726  4738852  4745909  4753610  4756113  4757387  4765506  4767276  4772960
4806914  4817833  4823553  4825334  4828271  4915053  4941669  4966526  4973536  4977978  4990222
4996337  4997108  5016629  5071759  5106725  5109439
```

- **113320-05 – SunOS 5.9: patch se driver**

```
4626537  4655495  4730608  4735231  4755417  4813598  4849939
```

- **113321-06 – SunOS 5.9: patch sf and socal**

```
4451550  4492895  4589401  4643768  4657427  4772960  4805731  4956868
```

- **113322-02 – SunOS 5.9: patch uucp**

```
4686442  4756979  4804089
```

- **113323-01 – SunOS 5.9: patch /usr/sbin/passmgmt**

```
4687515
```

- **113327-03 – SunOS 5.9: pppd Patch**

```
4647938  4684948  4902137
```

- **113329-15 – SunOS 5.9: lp Patch**

```
4530499  4593031  4626542  4635978  4640166  4640976  4648825  4652453  4687458  4687483  4697460
4704146  4704153  4704157  4704303  4704376  4704377  4704786  4704793  4704798  4704812  4704824
4704921  4704926  4705611  4705626  4705635  4705663  4705665  4705899  4705910  4705911  4705915
4705933  4705937  4705943  4705947  4705948  4705950  4705957  4705959  4705977  4706351  4714952
4734301  4751570  4761753  4761791  4775108  4809082  4809690  4819203  4902916  4915855  4925015
4927784  4930119  4940032  4981362  4986866  4997994  5025203  5043034  5060450  5064120  6186040
6208058  6289134
```

- **113330-01 – SunOS 5.9: rpcbind Patch**

```
1226166  4690775
```

- **113331-01 – SunOS 5.9: usr/lib/nfs/rquotad Patch**

4683311

- **113332-07 – SunOS 5.9: libc_psr.so.1 libmd5_psr.so.1 Patch**

4666069 4713409 4726041 4771216 4780672 4842538 4915833 4919019

- **113334-03 – SunOS 5.9: udfs Patch**

4548887 4651869 4655796 4714259 4762254 4865731

- **113335-02 – SunOS 5.9: devinfo Patch**

4522638 4869606

- **113374-02 – X11 6.6.1: xpr patch**

4704388

- **113400-01 – SunOS 5.9: zh_CN.GBK is incomplete for 64 bit**

4762909

- **113403-04 – SunOS 5.9: Tamil/Kannada/Gujarati/Bengali support**

4769446 4752426 4767689 4767747 4752139 4681931 4832435

- **113405-02 – SunOS 5.9: sync with 4751190 for th_TH.UTF-8 locales**

4751190

- **113407-03 – SunOS 5.9: Added Five stroke input method support in S9UR**

4741018 4783961 4749970 4749975 4837040

- **113409-01 – SunOS 5.9: SPECIAL PATCH: Missing locales in SUNW_LOC in s9u3**

4780217

- **113424-01 – CDE 1.5: message patch to add IM title in the workspace menu**

4731995

- **113432-10 – SunOS 5.9: Fujitsu PRIMEPOWER - platform links**

4761257 4842538 4888179 4888265 4948727

- **113434-24 – SunOS 5.9: /usr/snadm/lib Library and Differential Flash Patch**

4313832 4385866 4391400 4501772 4642585 4654964 4655075 4658735 4660835 4707022 4718661
4723051 4724529 4733324 4734649 4744624 4750446 4753030 4759768 4760694 4761562 4761681
4763919 4767378 4767678 4768717 4793554 4801754 4812304 4826147 4827060 4832216 4834450
4834885 4846793 4862735 4879767 4888173 4889594 4889623 4904610 4945516 4963778 4985741
4985934 4989156 4997302 5031468 5050613 5096647 6225766

- **113446-03 – SunOS 5.9: dman Patch**

4640542 4697219 4704996 4707993 4807502

- **113451-09 – SunOS 5.9: IKE Patch**

4508547 4628774 4628901 4653051 4666686 4667873 4671563 4673333 4673338 4687237 4704460
4731575 4739746 4741543 4742619 4745493 4745709 4752466 4762219 4804299 4823665 4832562
4840090 4842368 4890236 4919747 4919802 4927429 4930399 4941232 4974853 4976759 4977335
4982429 5016628

- **113459-02 – SunOS 5.9: udp patch**

4511634 4727825

- **113467-01 – SunOS 5.9: seg_drv & seg_mapdev Patch**

4533078 4533108 4630754 4638608 4644346 4648171

- **113470-02 – SunOS 5.9: winlock Patch**

4533078 4533108 4630754 4638608 4644346 4648171 4712871

- **113471-08 – SunOS 5.9: Miscellaneous SunOS Commands Patch**

4254013 4533078 4533108 4533712 4630754 4638608 4644346 4648171 4668520 4686454 4845974
4921661 4950966 5016934

- **113472-01 – SunOS 5.9: madv & mpss lib Patch**

4533078 4533108 4630754 4638608 4644346 4648171

- **113477-02 – SunOS 5.9: SPECIAL PATCH: class action replacement scripts**

4712441

- **113480-02 – SunOS 5.9: usr/lib/security/pam_unix.so.1 Patch**

4192824 4248430 4390053 4700602 4756113

- **113482-02 – SunOS 5.9: sbin/sulogin Patch**

4192824 4248430 4390053 4700602 4960245

- **113484-02 – SunOS 5.9: WBEM SDK Localization message patch**

4733195

- **113485-01 – SunOS 5.9: DHCP Manager Localization message patch**

4733194

- **113490-04 – SunOS 5.9: Audio Device Driver Patch**

4660099 4670245 4701098 4714088 4776340 4778303 4790888 4824455 4829190 4831766 4946859

- **113493-02 – SunOS 5.9: libproc.so.1 Patch**

4271957 4725696 4756192 4797219

- **113494-01 – SunOS 5.9: iostat Patch**

4511098 4679590

- **113495-05 – SunOS 5.9: cfgadm library patch**

4433415 4529095 4665200 4672974 4692545 4810029 4828994 4900705 4904520

- **113503-01 – SunOS 5.9: GigaSwift Ethernet 1.0 special postinstall script patch**

4735162

- **113513-02 – X11 6.6.1: platform support for new hardware**

4731970 4726510

- **113541-02 – X11 6.6.1: XKB patch**

4689365 4633549

- **113572-01 – SunOS 5.9: docbook-to-man.ts Patch**

```
4649171
```

■ **113575-05 – SunOS 5.9: sendmail Patch**

```
4678365 4697068 4704672 4704675 4706596 4706608 4706632 4706660 4720281 4725387 4728227
4737586 4756570 4798135 4808977 4809539 4826809 4835344 4839833 4924036
```

■ **113576-01 – SunOS 5.9: /usr/bin/dd Patch**

```
4632818
```

■ **113579-08 – SunOS 5.9: ypserv/ypxfrd patch**

```
4192824 4248430 4283355 4390053 4700602 4737417 4823553 4882937 4890530 4905454 4926318
4951399 5022150
```

■ **113580-01 – SunOS 5.9: mount Patch**

```
4715028
```

■ **113581-01 – CDE 1.5: message patch to add to /usr/dt/bin/dtlp**

```
4646929
```

■ **113584-13 – SunOS 5.9: Bug fixes for EMEA locales**

```
4745109 4869845 4811225 4811236 4778180 4796228 4681931 4832943 4832923 4733239 4728460
4728469 4755447 4791206 4897658 4637202 4908698 4907747 4898546 4960935 4944441 5012564
5045322 5050636 5056594 5102870 6222362
```

■ **113713-20 – SunOS 5.9: pkginstall Patch**

```
4405634 4658542 4720211 4786593 4813860 4826609 4842146 4848801 4850925 4851760 4876125
4881141 4887795 4905318 4909852 4910538 4920769 4933503 4953336 4979694 5015850 5034108
5038650 5050493 5062603 6202671 6217206
```

■ **113716-01 – SunOS 5.9: sar & sadc Patch**

```
4627454 4723484
```

■ **113717-06 – SunOS 5.9: SPECIAL PATCH: For EDITABLE files**

```
4712441
```

■ **113718-02 – SunOS 5.9: usr/lib/utmp_update Patch**

```
4659277 4705891
```

■ **113720-01 – SunOS 5.9: rootnex Patch**

```
4692542
```

■ **113742-01 – SunOS 5.9: smcpreconfig.sh Patch**

```
4704611
```

■ **113746-01 – SunOS 5.9: uxlibc Localization message patch**

```
4760256
```

■ **113764-03 – X11 6.6.1: keyboard patch**

```
4716868 4237479 4633549 4766231
```

■ **113789-01 – CDE 1.5: dtexec patch**

```
4759425
```

■ **113798-02 – CDE 1.5: libDtSvc patch**

```
4720526 4786448 4917860 5092678
```

- **113799-01 – SunOS 5.9: solregis Patch**

```
4762680
```

- **113813-02 – SunOS 5.9: Gnome Integration Patch**

```
4752366 4770721
```

- **113839-01 – CDE 1.5: sdtwsinfo patch**

```
4729180
```

- **113841-01 – CDE 1.5: answerbook patch**

```
4729199
```

- **113859-04 – SunOS 5.9: Sun ONE Directory Server 5.1 patch**

```
2057900 2063534 2065178 2069342 2079262 2097441 2097456 2097509 2097541 2097600 2097623
2097654 2097665 2098090 2099197 2099422 2101163 2101262 2101315 2101333 2108974 2117983
2118490 2119155 2120389 2120414 2120541 2120699 2121079 2121114 2121347 2121481 2121615
2121644 2121688 4527608 4529402 4530466 4530509 4532320 4532757 4533706 4535845 4537169
4538268 4550044 4589224 4592931 4614559 4615165 4616579 4617085 4617521 4619976 4620546
4621920 4622371 4623119 4623199 4623308 4624693 4627760 4628444 4630124 4639310 4639408
4639560 4640273 4640724 4643122 4645544 4645887 4646301 4646350 4646392 4649319 4649615
4651972 4652031 4652859 4653016 4656657 4656846 4658787 4658810 4663658 4665564 4665571
4668480 4669525 4669879 4671360 4672889 4672914 4672960 4674387 4675387 4682961 4683476
4684519 4686213 4687038 4689805 4691101 4692956 4695152 4697500 4704039 4704635 4705641
4707395 4708296 4709128 4711201 4711202 4713256 4714196 4714358 4715065 4715955 4716340
4716745 4717121 4719564 4722987 4723630 4732352 4735062 4735919 4737978 4738221 4738639
4742083 4742450 4743633 4743796 4748399 4749234 4751092 4753087 4754469 4754595 4756215
4758387 4759670 4761010 4765575 4767182 4773751 4773823 4773920 4776001 4777358 4778128
4778154 4778334 4780230 4780807 4781823 4783910 4784168 4786154 4786475 4786504 4786547
4787220 4789601 4791877 4795280 4797685 4802963 4805734 4807803 4809504 4809846 4813355
4813998 4815733 4817676 4818005 4819399 4819710 4819904 4820037 4821198 4821289 4824825
4826265 4826843 4826863 4827569 4829894 4830417 4834508 4836446 4836491 4838624 4838863
4840786 4840960 4842620 4846165 4846332 4848325 4850717 4850722 4851870 4851879 4854827
4854898 4856290 4856329 4856331 4857614 4863001 4863706 4863943 4864622 4865435 4865525
4865653 4865859 4866060 4867299 4880352 4881181 4881653 4883250 4884416 4885686 4886421
4891116 4894995 4897873 4898449 4899320 4903397 4904414 4908443 4911023 4911678 4911711
4912539 4912664 4913176 4913984 4916248 4918912 4920323 4921143 4921426 4922595 4925223
4928129 4929089 4930098 4932782 4935077 4938445 4942664 4943975 4945548 4946487 4948365
4953750 4957279 4957314 4957384 4965036 4973380 4976005 4976010 4976129 4976481 4980328
4990956 4994274 5013318 5014116 5024106 5026748 5044378 5047431 5052660 5053912 5071022
5071675 5072159 5084650 5088018 5098376 5103276 5104371 6176080 6185038
```

- **113861-04 – CDE 1.5: dtksh patch**

```
4729959 4814825 4802900 4924920
```

- **113863-01 – CDE 1.5: dtconfig patch**

```
4732757
```

- **113868-02 – CDE 1.5: PDASync patch**

```
4653758 4705576 4642465 4783087 4815680
```

- **113896-06 – SunOS 5.9: en_US.UTF-8 locale patch**

```
4810102 4893213 4857313 4879620 4894641 4839796 4918666 4847017 4857857 4860057 4860065
4839577 4846689 4874481 4811234 4833698 4843218 4681931 4791073 4647462 4635650 4648210
```

```
4739481 4770344 4774817 4778370 4775106 4501634 4778686 4805695 4614828 4668356 4668371
4798658 4789856 4762506 4746498 4749928 4633291 4758189 4761039 4753468 4757704 4765728
4765666 4751190 4751699 4767922 4768220
```

- **113902-03 – SunOS 5.9: Asian UTF-8 iconv modules enhancement**

```
4702278 4750690 4772950
```

- **113904-03 – SunOS 5.9: 7 indic scripts support in Asian UTF-8 locales**

```
4768804 4752112 4752144 4790423 4681931
```

- **113906-01 – SunOS 5.9: Fixed some functional problems in Chinese locales**

```
4731208 4677334
```

- **113908-01 – SunOS 5.9: SPECIAL PATCH: Missing locales in SUNW_LOC for SUNWinttf**

- **113909-01 – SunOS 5.9: SPECIAL PATCH:Broken preremove script in S9U3 Asia BCP pkgs**

```
4780225
```

- **113911-01 – SunOS 5.9: BCP applications hangs with NIS in asian locales**

```
4784597
```

- **113923-02 – X11 6.6.1: security font server patch**

```
4764193
```

- **113973-01 – SunOS 5.9: adb Patch**

```
4664740
```

- **113975-01 – SunOS 5.9: ssm Patch**

```
4709170
```

- **113977-01 – SunOS 5.9: awk/sed pkgscripts Patch**

```
4737594
```

- **113978-01 – SunOS 5.9: syseventconfd Patch**

```
4737409 4745393
```

- **113981-04 – SunOS 5.9: devfsadm Patch**

```
4259149 4334693 4473583 4517655 4622990 4703964 4716238 4734853 4744248 4763631 4908675
```

- **113984-01 – SunOS 5.9: iosram Patch**

```
4721302
```

- **114003-01 – SunOS 5.9: bbc driver Patch**

```
4706975
```

- **114004-01 – SunOS 5.9: sed Patch**

```
4727485
```

- **114006-01 – SunOS 5.9: tftp Patch**

```
4656587
```

- **114008-01 – SunOS 5.9: cachefsd Patch**

```
1250956 4110712 4230685 4338920 4467621 4507274 4616030 4698882 4698886 4740460
```

- **114010-02 – SunOS 5.9: m4 Patch**

```
4174383 4837874
```

- **114014-10 – SunOS 5.9: libxml, libxslt and Freeware man pages Patch**

```
4634845 4665029 4668974 4702333 4708162 4768591 4781721 4787493 4793452 4806701 4822658
4822718 4833908 4839883 4839885 4870078 4876873 5069958 5104326
```

- **114016-01 – tomcat security patch**

```
4759554
```

- **114020-03 – 5.9: Synching Euro UTF-8s**

```
4773318 4788627 4846281
```

- **114037-02 – SunOS 5.9: patch for supporting Unicode3.2 & indic script**

```
4774476 4823451
```

- **114039-02 – SunOS 5.9: Bug fix for dtpad column in Euro UTF-8 locales**

```
4773166 4897744
```

- **114049-12 – SunOS 5.9: NSPR 4.1.6 / NSS 3.3.4.5**

```
4840298 4840300 4840303 4856631 4856633 4884151 4933535 4945089 4964119 4972840 4991529
5004563 5016209 5025584 5069683
```

- **114125-01 – SunOS 5.9: IKE should support hardware assist for certs and Oakley**

```
4666686 4673333 4687237 4704460 4739746 4745493 4745709
```

- **114127-03 – SunOS 5.9: abi_libefi.so.1 and fmthard Patch**

```
4334693 4622990 4716238 4888423 4906621 4935076
```

- **114128-02 – SunOS 5.9: sd_lun patch**

```
4334693 4498182 4622990 4628670 4716238 4741112 4773958 4776340 4788885 4801603 4818293
4820811 4831997 4839726
```

- **114129-02 – SunOS 5.9: multi-terabyte disk support -libuuid patch**

```
4334693 4622990 4716238 4888423
```

- **114131-03 – SunOS 5.9: multi-terabyte disk support - libadm.so.1 patch**

```
4259149 4334693 4473583 4622990 4716238 4744248 4763631 6197410
```

- **114133-02 – SunOS 5.9: mail Patch**

```
4705717 5074748
```

- **114135-03 – SunOS 5.9: at utility Patch**

```
4776480 4873835
```

- **114153-01 – SunOS 5.9: Japanese SunOS 4.x Binary Compatibility(BCP) patch**

```
4775198 4775194
```

- **114165-01 – CDE 1.5: SUNWsregu Localization message patch**

```
4762680
```

- **114211-02 – SunOS 5.9: WBEM Localization message patch**

```
4786427 4767999 5050161
```

- **114215-04 – SunOS 5.9: Install/admin Localization message patch**

```
4788175 4804609 4818688 4974126
```

- **114217-03 – SunOS 5.9: Install/admin Localization message patch**

```
4788175 4818688 4841337
```

- **114219-11 – CDE 1.5: sdtimage patch**

```
4746059 4728421 4822709 4849909 4705973 5044241 5024924 5035922 6203734 4284511 6217996
```

- **114221-02 – SunOS 5.9: UR bug fixes**

```
4791189 4789202
```

- **114224-04 – SunOS 5.9: csh Patch**

```
4198269 4479584 5100865 6209912
```

- **114227-01 – SunOS 5.9: yacc Patch**

```
4735960
```

- **114229-01 – SunOS 5.9: action_filemgr.so.1 Patch**

```
4714071
```

- **114233-05 – SunOS 5.9: rsm Patch**

```
4679690 4700142 4728023 4754589 4780149 4781177 4792165 4816959 4926718
```

- **114235-01 – SunOS 5.9: libsendfile.so.1 Patch**

```
4640982 4711013
```

- **114244-01 – SunOS 5.9: some characters can't be shown in GBK and GB18030
  locales**

```
4771032
```

- **114249-01 – SunOS 5.9: SPECIAL PATCH:Broken preremove scripts in some of
  S9 pkgs**

```
4829407
```

- **114259-02 – SunOS 5.9: usr/sbin/psrinfo Patch**

```
4841716 4983696
```

- **114276-02 – SunOS 5.9: Extended Arabic support in UTF-8**

```
4786458 4820267
```

- **114282-01 – CDE 1.5: libDtWidget patch**

```
4776648
```

- **114312-02 – CDE1.5: GNOME/CDE Menu for Solaris 9**

```
4748729 5073813
```

- **114321-03 – SunOS 5.9: Patch Manager Localization message patch**

```
4795479 4826155 4929385
```

- **114326-03 – SunOS 5.9: /usr/lib/dcs Patch**

```
4683247 4775925 4810029
```

■ **114329-01 – SunOS 5.9: /usr/bin/pax Patch**

```
4766460
```

■ **114331-01 – SunOS 5.9: power Patch**

```
4776968 4785495
```

■ **114332-22 – SunOS 5.9: c2audit & *libbsm.so.1 Patch**

```
4383820 4445394 4457028 4473026 4499864 4501255 4592827 4647549 4647683 4647684 4685545
4688063 4712958 4715363 4728819 4732828 4735135 4745590 4750749 4761401 4778984 4779457
4805352 4809341 4818300 4828108 4829732 4833724 4835739 4842901 4845277 4857394 4892034
4904733 4916342 4959077 4975802 5012065 5042248 5064001 5076694 5076801 5082875 5093165
6174905 6192370 6260039 6281786
```

■ **114335-02 – SunOS 5.9: usr/sbin/rmmount Patch**

```
4628233 4705226 4726100
```

■ **114339-01 – SunOS 5.9: wrsm header files Patch**

```
4619267 4661424 4694445 4738280
```

■ **114344-14 – SunOS 5.9: arp, dlcosmk, ip, and ipgpc Patch**

```
4644731 4647361 4653899 4658177 4664957 4671440 4693464 4715897 4737760 4772797 4777791
4838049 4914143 4963675 4969154 4980989 4984037 4984625 5018661 5025728 5084344 6212756
6214946 6235832
```

■ **114349-04 – SunOS 5.9: sbin/dhcpagent Patch**

```
4118738 4259149 4473583 4715953 4721209 4744248 4763631 4902398
```

■ **114352-03 – SunOS 5.9: /etc/inet/inetd.conf Patch**

```
4761190
```

■ **114356-06 – SunOS 5.9: /usr/bin/ssh Patch**

```
4665983 4685658 4707786 4763864 4804165 4939055 5099653
```

■ **114361-01 – SunOS 5.9: /kernel/drv/lofi Patch**

```
4302817 4331110 4335489 4342447 4348291 4361731 4389001 4446576 4477843 4505225 4526709
4628272 4649233
```

■ **114363-03 – SunOS 5.9: sort Patch**

```
4641790 4725245 4817791 4851433 4897491 4913776 6178339
```

■ **114369-01 – SunOS 5.9: prtvtoc patch**

```
4334693 4622990 4716238
```

■ **114370-04 – SunOS 5.9: libumem.so.1 patch**

```
4518988 4694626 4709984 4766343 4865797 4924624 4928859 5017315 5018265
```

■ **114371-01 – SunOS 5.9: UMEM - libumem (mdb components) patch**

```
4518988 4694626 4709984
```

■ **114372-01 – SunOS 5.9: UMEM - llib-lumem patch**

```
4518988 4694626 4709984
```

- **114373-01 – SunOS 5.9: UMEM - abi_libumem.so.1 patch**

```
4518988 4694626 4709984
```

- **114374-01 – SunOS 5.9: Perl patch**

```
4675538 4724626 4768924
```

- **114377-04 – SunOS 5.9: Enchilada/Stiletto - BSC comms support**

```
4713409 4764078 4781113 4783538 4819633 4855020 4717667
```

- **114380-04 – SunOS 5.9: Enchilada/Stiletto librsc support**

```
4726041 4810029 4893015 5087929 6247378
```

- **114383-03 – SunOS 5.9: Enchilada/Stiletto - pca9556 driver**

```
4726041 4771216 4781113 4819633
```

- **114387-04 – SunOS 5.9: Enchilada/Stiletto - scadm support**

```
4448914 4726041 4733895 4799727 4812658
```

- **114389-03 – SunOS 5.9: devinfo Patch**

```
4745581 4794712 4870565
```

- **114470-10 – SunOS 5.9: Sun Fire V880z/XVR-4000 Graphics Patch**

```
4796037 4797704 4796973 4799777 4792452 4801660 4800526 4812003 4802530 4804995 4808067
4796917 4815925 4761925 4782193 4793942 4793943 4827241 4809512 4841825 4841963 4806680
4747098 4845198 4898864 4891631 4809518 4887691 4890323 4912940 4914546 4907857 4909722
4919873 4919888 4925363 4926113 4958423 4959146 4949497
```

- **114473-07 – SunOS 5.9: Fujitsu CPU performance counters patch**

```
4893015 4968806 4810029 4923171 4924929 4924938 4907860 4810655 4944951 5030223
```

- **114482-04 – SunOS 5.9: Product Registry CLI Revision**

```
4385866 4391400 4655075 4753030 4767378 4767678 4768717 4796532 4801439 4863376
```

- **114495-01 – CDE 1.5: dtprintinfo patch**

```
4788209
```

- **114501-01 – SunOS 5.9: drmproviders.jar Patch**

```
4712814
```

- **114503-13 – SunOS 5.9: usr/sadm/lib/usermgr/VUserMgr.jar Patch**

```
4750864 4756441 4762502 4770830 4803524 4810642 4914834 4931702 4946973 4997883 5080683
5092404 5092418 6192017 6196606 6236163 6242775 6242778
```

- **114509-01 – SunOS 5.9: cs_CZ Locale not usable**

```
4793388
```

- **114513-03 – SunOS 5.9: patch for Japanese and English X man pages**

```
4811454 4797892 4801395 4849095 4852478
```

- **114516-01 – SunOS 5.9: patch for English sdtudctool man pages for S9UR3**

```
4808428
```

- **114520-07 – SunOS 5.9: SPECIAL PATCH: For postinstall script**

```
4786712 4809906 4834885 4825349 4824518
```

    ■ **114538-31 – SunOS 5.9: Sun XVR-100 Graphics Accelerator Patch**

```
4792630 4812350 4820147 4820254 4820999 4821832 4822149 4822443 4823003 4824233 4827346
4827720 4827837 4829583 4832885 4848884 4850955 4855985 4856743 4856749 4857139 4857143
4857383 4857946 4858706 4860082 4865081 4868991 4881586 4891308 4893876 4897985 4902258
4907678 4908183 4910095 4910515 4910717 4910866 4916095 4919863 4920467 4928284 4928533
4928937 4930458 4931721 4940574 4941862 4942140 4945654 4946685 4946693 4947147 4950397
4951134 4953302 4953842 4956464 4958535 4962975 4962983 4964028 4966472 4967365 4967389
4969448 4978512 4985123 4991615 5002928 6242033 5015658 5026994 5031372 5048332 5069595
5070401 6182271 6214907 5098578 6260233
```

    ■ **114555-24 – SunOS 5.9: Sun XVR-1200 and Sun XVR-600 Graphics Accelerator Patch**

```
4744371 4767906 4799602 4807907 4808263 4819200 4821638 4822159 4822276 4827925 4829846
4830544 4830549 4833546 4834370 4834943 4835514 4837176 4837418 4837510 4838461 4847177
4849519 4853020 4860054 4860468 4860493 4867922 4870055 4881084 4890241 4891452 4891672
4891690 4891715 4893057 4893813 4897827 4899854 4899910 4901449 4904242 4904711 4904716
4906894 4907853 4910656 4911553 4911753 4913881 4915313 4923657 4925028 4925035 4925735
4926474 4927936 4932555 4933144 4935228 4935929 4958168 4961263 4971719 4977935 4982296
4990538 4991126 5004939 5017713 5085848 6181282 6210235 6202655 6205888 6250233 6244529
6248620
```

    ■ **114561-01 – X11 6.6.1: X splash screen patch**

```
4807285
```

    ■ **114564-05 – SunOS 5.9: /usr/sbin/in.ftpd Patch**

```
4705192 4706072 4714534 4864687 5016478 6239487
```

    ■ **114566-02 – SunOS 5.9: SPECIAL PATCH: For EDITABLE files**

    ■ **114569-02 – SunOS 5.9: libdbm.so.1 Patch**

```
4668699 4825407
```

    ■ **114571-02 – SunOS 5.9: libc.so.*.9/bcp Patch**

```
4668699 4934260
```

    ■ **114584-01 – SunOS 5.9: i2c driver patch**

```
4720029
```

    ■ **114586-01 – SunOS 5.9: bzip Patch**

```
4634845 4659775
```

    ■ **114598-03 – 5.9: UTF-8 dtcm chars not appearing, dtpad too wide**

```
4787603 4418543
```

    ■ **114600-05 – SunOS 5.9: vlan driver patch**

```
4619750 4788391 4730657 4847441 5065648 5074196 5097913 6216827
```

    ■ **114602-04 – X11 6.6.1: libmpg_psr patch**

```
4830251 4860869 4877022 4914747
```

    ■ **114607-02 – SunOS 5.8: SPECIAL PATCH: pkginfo replacement scripts (S9U3)**

    ■ **114612-01 – SunOS 5.9: ANSI-1251 encodings file errors**

```
4812123
```

  - **114624-02 – SunOS 5.9: SPECIAL PATCH Upgrade bug UR**

```
4826785 4819542 4708858 4895101
```

  - **114633-02 – SunOS 5.9: ja_JP.UTF-8 locale patch**

```
4749205 4868872
```

  - **114636-03 – SunOS 5.9: KCMS security fix**

```
4661008 4774256 5040882
```

  - **114641-03 – SunOS 5.9: Japanese iconv for UTF-8 patch**

```
4706863 4671351 4671363 4109290 5077658
```

  - **114654-02 – CDE 1.5: SmartCard patch**

```
4785011
```

  - **114677-10 – SunOS 5.9: International Components for Unicode Patch**

```
4731597 4757662 4757683 4783065 4784646 4865107 4872194 4903197 4906617 4907166 4910918
4911499 4922414 4936232 4936244 4954656 4984965 4987315 5086303 2122158 4785261 6217550
```

  - **114684-03 – SunOS 5.9: samba Patch**

```
4768591 4787493 4833908 4839883 4839885 5080288 5095997 6203085
```

  - **114711-03 – SunOS 5.9: usr/sadm/lib/diskmgr/VDiskMgr.jar Patch**

```
4818306 4825948 4931702
```

  - **114713-02 – SunOS 5.9: newtask Patch**

```
4798119 4970817
```

  - **114716-01 – SunOS 5.9: usr/bin/rcp Patch**

```
1149636
```

  - **114718-05 – SunOS 5.9: usr/kernel/fs/pcfs Patch**

```
4413261 4782709 4865731 4898397 5047630 5065397 6180557
```

  - **114721-06 – SunOS 5.9: ufsrestore and ufsdump Patch**

```
4767221 4767281 4769786 4794712 4856282 4866433
```

  - **114729-01 – SunOS 5.9: usr/sbin/in.telnetd Patch**

```
4798177
```

  - **114731-07 – SunOS 5.9: kernel/drv/glm Patch**

```
4450607 4661880 4696162 4730256 4741149 4744095 4770492 4776340 4799457 4819026 4823893
4919566 4929125 4995568
```

  - **114734-01 – SunOS 5.9: /usr/ccs/bin/lorder Patch**

```
4747253
```

  - **114736-01 – SunOS 5.9: usr/sbin/nisrestore Patch**

```
4759428
```

  - **114818-06 – GNOME 2.0.0: libpng Patch**

```
4809087 4901822 4979460 5019699 5075227
```

- **114822-04 – GNOME 2.0.2: 64bit libpng Patch**

```
4901822 5019699 5048062 5075227
```

- **114861-01 – SunOS 5.9: /usr/sbin/wall**

```
4803267
```

- **114875-01 – SunOS 5.9: XML library source patch**

```
4822718
```

- **114923-01 – SunOS 5.9: /usr/kernel/drv/logindmux Patch**

```
4674066
```

- **114926-02 – SunOS 5.9: kernel/drv/audiocs Patch**

```
4777298 4834087
```

- **114927-01 – SunOS 5.9: usr/sbin/allocate Patch**

```
4714170 4809341
```

- **114934-01 – SunOS 5.9: usr/platform links patch**

```
4761257
```

- **114947-02 – SunOS 5.9: ATOK12 patch**

```
4859514 4871090 4938649 4824729 4909461
```

- **114951-05 – SunOS 5.9: FUJITSU ULTRA LVD SCSI Host Bus Adapter Driver 1.0**

```
4817865 4837781 4837785 4837786 4837787 4837788 4837789 4917774 4917776 4917778 4951668
5006444 5048561 5048567
```

- **114963-01 – SunOS 5.9: SCRIPT patch**
- **114965-01 – SunOS 5.9: SPECIAL PATCH: For editable files only**

```
4834885 4841998
```

- **114967-02 – SunOS 5.9: FDL patch**

```
4892060 4892039 4796458
```

- **114971-02 – SunOS 5.9: usr/kernel/fs/namefs Patch**

```
4711164 4921637
```

- **114974-01 – SunOS 5.9: kernel/drv/ifp Patch**

```
4779757
```

- **114975-01 – SunOS 5.9: usr/lib/inet/dhcp/svcadm/dhcpcommon.jar Patch**

```
4782691
```

- **114994-08 – SunOS 5.9: FUJITSU PCI GigabitEthernet 2.0 patch**

```
4841231 4841239 4841244 4841248 4891077 4891084 4940787 4940788 4976257 4976340 4976348
4976355 5035580 5067290 2120943 6178751 6263610
```

- **115006-01 – SunOS 5.9: kernel/strmod/kb patch**

```
4354427
```

- **115008-01 – SunOS 5.9: /usr/sbin/ipqosconf patch**

4664957

- **115010-01 – SunOS 5.9: Providing Platform Support for Enchilada Tower Server**

4780968

- **115012-01 – SunOS 5.9: Sunfire-V250-Enchilada-Tower librsc patch**

4780968

- **115014-01 – SunOS 5.9: /usr/platform/SUNW,Sun-Fire-V250/sbin/scadm patch**

4780968

- **115018-01 – SunOS 5.9: patch /usr/lib/adb/dqblk**

4807983

- **115020-01 – SunOS 5.9: patch /usr/lib/adb/ml_odunit**

4794712

- **115022-03 – SunOS 5.9: quota utilities**

4794712 4807979 4817074 4905041 5024217

- **115024-01 – SunOS 5.9: file system identification utilities**

4794712

- **115028-02 – SunOS 5.9: patch /usr/lib/fs/ufs/df**

4794712 4800102

- **115030-03 – SunOS 5.9: Multiterabyte UFS mount patch**

4347385 4794712

- **115095-01 – SunOS 5.9: iconv cannot convert correctly among some Asian Locales**

5010003

- **115107-01 – SunOS 5.9: script patch for FJSVvplu pkginfo files**

4761257

- **115158-08 – X11 6.6.1: xscreensaver patch**

4841343 4838390 4849641 4871833 4818344 6237901

- **115161-01 – CDE 1.5: Addition of IFD card reader support for localization**

4852556

- **115172-01 – SunOS 5.9: kernel/drv/le Patch**

4105008

- **115173-01 – SunOS 5.9: /usr/bin/sparcv7/gcore /usr/bin/sparcv9/gcore Patch**

4832466

- **115177-01 – SunOS 5.9: SUNWjxmft/SUNWjxcft postinstall patch**

4851735

- **115257-02 – SunOS 5.9: SPECIAL PATCH: For EDITABLE files**

- **115258-05 – SunOS 5.9: SPECIAL PATCH: For EDITABLE files**
- **115259-03 – SunOS 5.9: patch usr/lib/acct/acctcms**

4701876 5040580 6200474 6227221

- **115284-02 – SunOS 5.9: script patch for FJSVulsa postinstall files**

4846488

- **115296-01 – SunOS 5.9: script patch for NATEvplu.u pkginfo file**

4858453

- **115315-02 – SunOS 5.9: dtlogin issues**

4854079

- **115322-01 – SunOS 5.9: SPECIAL PATCH: For EDITABLE files**
- **115336-03 – SunOS 5.9: /usr/bin/tar, /usr/sbin/static/tar Patch**

4481801 4517714 4662552 4697540 4714066 4727287 4756186 4819401 4864230 4918784 4977739
5026498 5027397

- **115350-01 – SunOS 5.9: ident_udfs.so.1 Patch**

4855145

- **115354-01 – SunOS 5.9: slpd Patch**

4471576 4767287 4837368

- **115381-01 – SunOS 5.9: Japanese xlibi18n patch**

4851271

- **115426-02 – SunOS 5.9: UDC localization patch**

4765005 4881642 6230779 2126785

- **115488-01 – SunOS 5.9: patch /kernel/misc/busra**

4718370 4792953 4834066 4835953 4853539

- **115537-01 – SunOS 5.9: /kernel/strmod/ptem patch**

4821833

- **115542-02 – SunOS 5.9: nss_user patch**

4152876 4353836 6235336

- **115544-02 – SunOS 5.9: nss_compat patch**

4152876 4156580 4353836 5097644

- **115545-01 – SunOS 5.9: nss_files patch**

4152876 4353836

- **115553-19 – SunOS 5.9: USB Drivers and Framework Patch**

4237764 4354427 4402400 4419540 4507408 4631151 4647358 4655789 4660516 4660846 4662300
4665811 4702501 4702930 4706244 4707437 4717238 4718437 4723993 4735031 4735465 4737194
4740677 4756231 4757590 4765718 4769577 4776340 4778303 4781283 4782292 4783585 4783855
4785916 4786786 4788315 4790678 4798619 4800029 4800123 4801046 4804860 4806185 4810230
4811758 4812935 4816509 4824054 4824763 4826171 4827611 4827617 4828972 4829626 4831766

```
4831810 4834143 4836298 4836606 4838235 4839605 4841489 4844296 4844570 4844892 4845179
4847102 4847113 4847119 4847308 4847936 4848295 4852863 4854629 4858443 4860534 4860753
4865592 4869166 4869177 4869326 4869362 4869396 4875388 4875402 4875818 4876234 4876900
4879738 4879741 4879799 4880227 4881576 4881577 4881927 4883138 4885542 4889441 4889499
4889600 4889606 4891054 4891058 4891599 4891604 4893834 4894475 4896760 4898083 4898174
4898176 4898852 4899551 4900007 4900364 4900383 4900900 4904316 4904408 4905617 4908469
4914341 4915001 4916009 4916643 4916848 4917711 4919248 4919251 4919260 4920655 4922683
4923069 4927543 4927648 4935335 4939237 4940092 4941082 4949270 4950073 4955343 4961257
4967673 4971510 4971592 4976583 4976792 4988379 4993111 4994700 4995592 5001058 5003764
5006448 5008493 5017983 5018218 5018235 5018742 5021075 5021083 5028263 5028398 5032631
5034703 5037067 5039148 5045076 5049150 5049215 5053199 5066952 5079178 5086513 5101543
5102060 6176526 6237500 6273106
```

- **115591-02 – SunOS 5.9: SPECIAL PATCH: class action replacement scripts**

```
4874869 4878696
```

- **115592-02 – SunOS 5.9: Gnome l10n message updates and bug fixes for UR5**

```
4907339 4894688
```

- **115594-02 – SunOS 5.9: Gnome l10n help updates and bug fixes for UR5**

```
4920961 4913386
```

- **115607-02 – SunOS 5.9: SPECIAL PATCH: class action replacement scripts**

```
4878897
```

- **115608-01 – SunOS 5.9: Japanese fonts patch**

```
4864476 4876428
```

- **115646-01 – SunOS 5.9: libtnfprobe shared library Patch**

```
4654232 4803469
```

- **115651-02 – SunOS 5.9: usr/lib/acct/runacct Patch**

```
4383138 4853917
```

- **115654-01 – SunOS 5.9: Some scalable ISO8859-7 Greek fonts are missing glyphs**

```
4750555
```

- **115667-03 – SunOS 5.9: Chalupa platform support Patch**

```
4771216 4784977 4858641 4860424 4860428 4882246 4886012 5003068 5012666 5025956
```

- **115669-03 – SunOS 5.9: UltraSPARC-IV Solaris support patch**

```
4810029 4984562 6247378
```

- **115671-01 – SunOS 5.9: mntinfo Patch**

```
4747261
```

- **115675-01 – SunOS 5.9: /usr/lib/liblgrp.so Patch**

```
4845974 4863473 4880116
```

- **115677-01 – SunOS 5.9: usr/lib/ldap/idsconfig Patch**

```
4632409 4823553
```

- **115681-01 – SunOS 5.9: usr/lib/fm/libdiagcode.so.1 Patch**

```
4864979
```

- **115683-03 – SunOS 5.9: Header files Patch**

4259149 4473583 4744248 4763631 4837086

- **115685-01 – SunOS 5.9: sbin/netstrategy Patch**

4259149 4473583 4744248 4763631

- **115687-02 – SunOS 5.9:/var/sadm/install/admin/default Patch**

4850925

- **115689-01 – SunOS 5.9: /usr/lib/patch/patchutil Patch**

4850925

- **115693-01 – SunOS 5.9: /usr/bin/last Patch**

1260759

- **115695-01 – SunOS 5.9: /usr/lib/netsvc/yp/yppush Patch**

4822978 4854241 4874752 4874757 4882029 4884927 4884929

- **115697-02 – SunOS 5.9: mtmalloc lib Patch**

4464080 4782401 4831968 4846231 4848368 4851334 4856955 4873146 4873154 4962171

- **115706-01 – SunOS 5.9: init.wbem cannot register CimomService & WBEMLogServiceBean**

4878180

- **115713-01 – CDE 1.5: dtfile patch**

4629782

- **115734-02 – GNOME 2.0.2: Virtual File System Patch**

4858368 4871285

- **115736-05 – GNOME 2.0.2: Window Manager Patch**

4839485 4928511 4749223 4760281 6244142

- **115738-04 – GNOME 2.0.2: Base GUI Libraries Patch**

4884486 4858882 4861510 4871703 4875424 5103573

- **115740-02 – GNOME 2.0.2: Printing Technology Patch**

4909213 4879252 4901967

- **115742-02 – GNOME 2.0.2: File Search Tool Patch**

4909213 4858420

- **115744-01 – SunOS 5.9: SPECIAL PATCH: For editable files only**

4733324

- **115754-02 – SunOS 5.9: zlib security Patch**

4822658 4870078

- **115793-01 – SunOS 5.9: CDE Localization message patch**

4869761

- **115799-01 – SunOS 5.9: WBEM/WBEM SDK Localization package pkginfo patch**

```
4760092
```

- **115802-02 – SunOS 5.9: Bug fix for xscreensaver message and dtlogin locale locales**

```
4898929
```

- **115812-02 – GNOME 2.0.2: Dtlogin Integration Patch**

```
4866734 4765131
```

- **115835-01 – SunOS 5.9: Ghostscript patch**

```
4795491
```

- **115837-01 – SunOS 5.9: SPECIAL PATCH: Alternate Root Compliance of postremove script**

```
4718760
```

- **115847-01 – SunOS 5.9: usr/bin/admintool Patch**

```
4889623
```

- **115878-01 – SunOS 5.9: /usr/bin/logger Patch**

```
4859519 4874048
```

- **115920-01 – SunOS 5.9: CDE 1.5 help patch**

```
4892024
```

- **115926-11 – SunOS 5.9: NSPR 4.1.6 / NSS 3.3.11 / JSS 3.1.6**

```
4885952 4886464 4888311 4903564 4933535 4945089 4972840 4991529 5004563 5011517 5016498
5016209 4877287 5044857 5009031 4961743 5069683 5083437 6231147 6200096 5084798 2125283
2125284
```

- **115936-01 – SunOS 5.9: Bug fix for Korean translation**

```
4904741
```

- **115949-05 – SunOS 5.9: UDC patch**

```
4899738 4934214 4963466 6230779 2126785 4765005
```

- **115958-01 – GNOME 2.0.2: Help Database Patch**

```
4880052
```

- **115964-01 – GNOME 2.0.2: texteditorshare Patch**

```
4901967
```

- **115966-01 – GNOME 2.0.2: Terminal emulator Patch**

```
4901967
```

- **115968-01 – GNOME 2.0.2: Performance meter Patch**

```
4901967
```

- **115970-01 – GNOME 2.0.2: Panel Applets Utility Patch**

```
4901967
```

- **115972-03 – CDE 1.5: dtterm libDtTerm patch**

```
4822385 4969514
```

- **115974-01 – GNOME 2.0.2: User documentation Patch**

4901967

- **115986-02 – SunOS 5.9: ptree Patch**

4757218 4912227

- **115992-01 – SunOS 5.9: /usr/include/limits.h Patch**

4731122

- **116006-01 – GNOME 2.0.2: Libraries Patch**

4875223 4905797

- **116009-05 – SunOS 5.9:/platform/SUNW,Sun-Fire/kernel/drv/sparcv9/sgsbbc Patch**

4860142 4955138 5038603 5090037 6247378 6275367 6290497

- **116012-02 – SunOS 5.9: ps utility patch**

4519180 4706669 4785109

- **116014-03 – SunOS 5.9: /usr/sbin/usermod patch**

4742154 5027247

- **116016-01 – SunOS 5.9: /usr/sbin/logadm patch**

4763519

- **116039-01 – SunOS 5.9: sun4u platform links patch**

4749396

- **116047-02 – SunOS 5.9: hsfs Patch**

4865731 5010909

- **116049-01 – SunOS 5.9: fdfs Patch**

4865731

- **116051-02 – SunOS 5.9: fssnap Patch**

4670300 4681464

- **116084-01 – X11 6.6.1: font patch**

4857041

- **116090-05 – SunOS 5.9: SPECIAL PATCH: For EDITABLE Files**
- **116092-04 – SunOS 5.9: SPECIAL PATCH: For Script Files**
- **116105-04 – X11 6.6.1: Freetype patch**

4795241 4939829 5060847 5067065 5037640

- **116119-01 – SunOS 5.9: CDE Localization message patch**

4866067

- **116121-01 – X11 6.4.1: platform support for new hardware**

4908954

- **116157-01 – SunOS 5.9: SPECIAL PATCH: For CDE Package CAS Scripts**

```
4822385
```

■ **116178-01 – SunOS 5.9: libcrypt Patch**

```
4751585
```

■ **116180-01 – SunOS 5.9: geniconvtbl Patch**

```
4908670
```

■ **116229-01 – SunOS 5.9: libgen Patch**

```
4840237
```

■ **116231-02 – SunOS 5.9: llc2 Patch**

```
4828919 4841523 4949336
```

■ **116237-01 – SunOS 5.9: pfexec Patch**

```
4925561
```

■ **116241-01 – SunOS 5.9: keysock Patch**

```
4730920
```

■ **116243-01 – SunOS 5.9: umountall Patch**

```
4687955 4761847 4874083
```

■ **116245-01 – SunOS 5.9: uncompress Patch**

```
4668687 4914361
```

■ **116247-01 – SunOS 5.9: audit_warn Patch**

```
4503182 4650565 4845882
```

■ **116296-17 – Sun One Application Server 7.0: Java Activation Framework Patch**

```
5063854 5033159 5021054 5015561 5025894 5017695 5034880 5039545 5043376 5057723 6181948
4724728 4734337 4744128 4761151 4776091 4811431 4818853 4819412 4830338 4840324 4849368
4849513 4851218 4853543 4860400 4861767 4861948 4862994 4869664 4870233 4872948 4876672
4884552 4886253 4886683 4888612 4890613 4892587 4893954 4895814 4902210 4904100 4904764
4907283 4909380 4909796 4910686 4913290 4913458 4914362 4917206 4921551 4922884 4923230
4925548 4926581 4926972 4928341 4930027 4930986 4931379 4933997 4937416 4937667 4938319
4942044 4942341 4942381 4947231 4947756 4949245 4949318 4950035 4954609 4955404 4957162
4958393 4958395 4962225 4962418 4965713 4965815 4969036 4969425 4972432 4972796 4976025
4976401 4976502 4978068 4978369 4978647 4980136 4980660 4982525 4987217 4987274 4991198
4991659 4992275 4994366 4996111 4997113 5003309 5004406 5005643 5005653 5013767 5017630
5017895 5021585 5021712 5022904 5022976 5024804 5029014 5049159 5056917 5063790 6067367
6088593 6092475 6092499 6152742 6155154 6155446 6156869 6197275
```

■ **116298-17 – Sun One Application Server 7.0: Java API for XML Parsing 1.2 Patch**

```
5063854 5033159 5021054 5015561 5025894 5017695 5034880 5039545 5043376 5057723 6181948
4724728 4734337 4744128 4761151 4776091 4811431 4818853 4819412 4830338 4840324 4849368
4849513 4851218 4853543 4860400 4861767 4861948 4862994 4869664 4870233 4872948 4876672
4884552 4886253 4886683 4888612 4890613 4892587 4893954 4895814 4902210 4904100 4904764
4907283 4909380 4909796 4910686 4913290 4913458 4914362 4917206 4921551 4922884 4923230
4925548 4926581 4926972 4928341 4930027 4930986 4931379 4933997 4937416 4937667 4938319
4942044 4942341 4942381 4947231 4947756 4949245 4949318 4950035 4954609 4955404 4957162
4958393 4958395 4962225 4962418 4965713 4965815 4969036 4969425 4972432 4972796 4976025
4976401 4976502 4978068 4978369 4978647 4980136 4980660 4982525 4987217 4987274 4991198
```

```
4991659 4992275 4994366 4996111 4997113 5003309 5004406 5005643 5005653 5013767 5017630
5017895 5021585 5021712 5022904 5022976 5024804 5029014 5049159 5056917 5063790 6067367
6088593 6092475 6092499 6152742 6155154 6155446 6156869 6197275
```

- **116300-17 – Sun One Application Server 7.0: Java Mail Runtime Patch**

```
5063854 5033159 5021054 5015561 5025894 5017695 5034880 5039545 5043376 5057723 6181948
4724728 4734337 4744128 4761151 4776091 4811431 4818853 4819412 4830338 4840324 4849368
4849513 4851218 4853543 4860400 4861767 4861948 4862994 4869664 4870233 4872948 4876672
4884552 4886253 4886683 4888612 4890613 4892587 4893954 4895814 4902210 4904100 4904764
4907283 4909380 4909796 4910686 4913290 4913458 4914362 4917206 4921551 4922884 4923230
4925548 4926581 4926972 4928341 4930027 4930986 4931379 4933997 4937416 4937667 4938319
4942044 4942341 4942381 4947231 4947756 4949245 4949318 4950035 4954609 4955404 4957162
4958393 4958395 4962225 4962418 4965713 4965815 4969036 4969425 4972432 4972796 4976025
4976401 4976502 4978068 4978369 4978647 4980136 4980660 4982525 4987217 4987274 4991198
4991659 4992275 4994366 4996111 4997113 5003309 5004406 5005643 5005653 5013767 5017630
5017895 5021585 5021712 5022904 5022976 5024804 5029014 5049159 5056917 5063790 6067367
6088593 6092475 6092499 6152742 6155154 6155446 6156869 6197275
```

- **116308-01 – CDE 1.5: libDtHelp patch**

```
4930117
```

- **116334-01 – SunOS 5.9: kanji command patch**

```
4928656
```

- **116340-03 – SunOS 5.9: gzip and Freeware info files patch**

```
4793452 5069958
```

- **116453-02 – SunOS 5.9: sadmind patch**

```
4079984
```

- **116472-02 – SunOS 5.9: rmformat Patch**

```
4285600 4362287 4776340 4778681 4983588 5028534 6181228
```

- **116474-03 – SunOS 5.9: libsmedia Patch**

```
4776340 5006093 6240296
```

- **116476-01 – SunOS 5.9: pcic Driver Patch**

```
4776340
```

- **116478-01 – SunOS 5.9: usr platform links Patch**

```
4723473 4776340
```

- **116480-01 – SunOS 5.9: IEEE 1394 Patch**

```
4358271 4498803 4620080 4719215 4723471 4723473 4743919 4776340 4780080 4780083 4799679
4891594
```

- **116482-02 – SunOS 5.9: modload Utils Patch**

```
4719453 4747701 4776340
```

- **116484-01 – SunOS 5.9: consconfig Patch**

```
4806185 4828972
```

- **116486-03 – SunOS 5.9: tsalarm Driver Patch**

```
4870759 4874917 4876816 4899522 5034685 5062839
```

- **116488-01 – SunOS 5.9: Lights Out Management (lom) Patch**

4870759 4874917 4876816 4899522

- **116489-01 – SunOS 5.9: ttymux Patch**

4743801

- **116490-01 – SunOS 5.9: acctdusg Patch**

4411999 4897608

- **116493-01 – SunOS 5.9: ProtocolTO.java Patch**

4866638

- **116494-01 – SunOS 5.9: libdevice Patch**

4778303 4900007 4783585

- **116495-02 – SunOS 5.9: specfs Patch**

4878795 4978326

- **116498-02 – SunOS 5.9: bufmod Patch**

4875506 5101653

- **116500-01 – SunOS 5.9: SVM auto-take disksets Patch**

4871258

- **116502-02 – SunOS 5.9: mountd Patch**

4745909 4817833 4898991

- **116506-02 – SunOS 5.9: traceroute patch**

4837086 4902275

- **116510-01 – SunOS 5.9: wscons Patch**

4966145

- **116527-01 – SunOS 5.9: timod Patch**

4924525

- **116529-01 – SunOS 5.9: smbus Patch**

4777162

- **116530-01 – SunOS 5.9: bge.conf Patch**

4978610

- **116532-03 – SunOS 5.9: mpt Patch**

4961578

- **116534-01 – SunOS 5.9: metassist Patch**

4966463

- **116538-03 – SunOS 5.9: SUNW_disk_link.so Patch**

4334693 4622990 4716238 5005820 6177814

- **116543-03 – SunOS 5.9: vmstat Patch**

```
4871277 5047837 6284248
```

■ **116546-03 – SunOS 5.9: CDRW DVD-RW DVD+RW Patch**

```
4839581 4845620 4982556 5004884 5008897 5038057 5039437 5052888 5106372 6178838 6194995
```

■ **116548-04 – SunOS 5.9: ufsboot Patch**

```
4520944 5028438 6228203
```

■ **116552-01 – SunOS 5.9: su Patch**

```
4026556
```

■ **116554-01 – SunOS 5.9: semsys Patch**

```
4941742
```

■ **116557-04 – SunOS 5.9: sbd Patch**

```
4917418 4937471 5046939 5109126 6180634 6200160 6247378
```

■ **116559-01 – SunOS 5.9: powerd pmconfig patch**

```
4706727 4724465 4725193 4725195 4733462 4858600 4858604
```

■ **116561-07 – SunOS 5.9: platmod Patch**

```
4463714 4498135 4643212 4646439 4751357 4765953 4777162 4807354 4818224 4838016 4844765
4846785 4854783 4877168 4924716 4975592 4985416 4993700 5007181 5041132 5042559 5062839
6197206 6213630 6289903
```

■ **116636-01 – SunOS 5.9: Symlinks for fr_BE and es gnome l10n support**

```
4921134
```

■ **116663-01 – SunOS 5.9: ntpdate Patch**

```
4727171 5021867
```

■ **116665-02 – SunOS 5.9: bge Patch**

```
4913952 4991238
```

■ **116669-08 – SunOS 5.9: md Patch**

```
4380147 4790035 4813460 4822189 4886687 4915431 4981298 5048347 5048915 5061410 5061599
5067898 5068997 5070496 5070511 5071059 5071901 5072849 5073220 5073727 5080292 5081477
5085032 5087369 5088893 5089909 5093712 5097853 5102518 5109446 5109456 5110153 6176220
6178538 6178560 6182797 6209065
```

■ **116670-02 – SunOS 5.9: gld Patch**

```
5028003 5052933
```

■ **116674-05 – GNOME 2.0.2 File Manager Patch**

```
4860816 4955976 4874903 5048025 4789033
```

■ **116755-01 – SunOS 5.9: usr/snadm/lib/libadmutil.so.2 Patch**

```
4868757 4904083
```

■ **116774-03 – SunOS 5.9: ping patch**

```
4807715 4837086 4902275
```

■ **116776-01 – SunOS 5.9: mipagent patch**

```
4837086
```

    ■ **116778-01 – SunOS 5.9: in.ripngd patch**

```
4837086
```

    ■ **116780-01 – SunOS 5.9: scmi2c Patch**

```
5056654
```

    ■ **116782-01 – SunOS 5.9: tun Patch**

```
4742715
```

    ■ **116807-01 – SunOS 5.9: patch usr/sadm/lib/smc/lib/preload/jsdk21.jar**

```
4947668
```

    ■ **116846-03 – SunOS 5.9: SCRIPT patch**

    ■ **117067-01 – SunOS 5.9: awk nawk oawk Patch**

```
1239581 4836376 4896779 4900365 4955130
```

    ■ **117071-01 – SunOS 5.9: memory leak in llc1_ioctl()**

```
4713774
```

    ■ **117100-04 – SunOS 5.9: New Euro UTF-8 locales needed**

```
4944441 5007190 6181537
```

    ■ **117114-02 – CDE 1.5: sdtwebclient patch**

```
4834610 5010600
```

    ■ **117119-05 – SunOS 5.9: Sun Gigabit Ethernet 3.0 driver patch**

```
4804523 6188981 5054087 4964514 5063362 4993021 4982982 5090946 6238162 5019183 6240487
```

    ■ **117123-04 – SunOS 5.9: wanboot Patch**

```
4994863 5036999 6228203
```

    ■ **117124-10 – SunOS 5.9: platmod, drmach, dr, ngdr, & gptwocfg Patch**

```
4410012 4762259 4831702 4857426 4860202 4860955 4873095 4893666 4921936 4929059 4957883
4964679 4979315 5000945 5018945 5032418 5036945 5046939 5075885 5076027 5081588 5090037
5109126 6180581 6198169 6200160 6214180 6247378
```

    ■ **117125-01 – SunOS 5.9: procfs Patch**

```
4963688
```

    ■ **117127-02 – SunOS 5.9: header Patch**

```
4942663 4944406 5059500
```

    ■ **117129-01 – SunOS 5.9: adb Patch**

```
4942663 4944406
```

    ■ **117131-01 – SunOS 5.9: adm1031 Patch**

```
4854121
```

    ■ **117132-01 – SunOS 5.9: cachefsstat Patch**

```
4256677
```

■ **117134-01 – SunOS 5.9: svm flasharchive patch**

```
4838219
```

■ **117138-01 – SunOS 5.9: seg_spt.h**

```
4477936
```

■ **117140-02 – SunOS 5.9: ipsecah patch**

```
4963771 4974963 4977677
```

■ **117143-01 – SunOS 5.9: xntpd Patch**

```
4892938
```

■ **117152-01 – SunOS 5.9: magic Patch**

```
5046669
```

■ **117155-05 – SunOS 5.9: pcipsy Patch**

```
5042249 5076027 5091275 6189186 6235959 6242831 6247399
```

■ **117160-01 – SunOS 5.9: /kernel/misc/krtld patch**

```
4983758
```

■ **117162-01 – SunOS 5.9: patch usr/src/uts/common/sys/cpc_impl.h**

```
4943059 4948972
```

■ **117165-01 – SunOS 5.9: pmubus Patch**

```
5012902
```

■ **117168-02 – SunOS 5.9: mpstat Patch**

```
5026628 5075341
```

■ **117171-17 – SunOS 5.9: Kernel Patch**

```
4025675 4167478 4368576 4398885 4477936 4493561 4615194 4626323 4632219 4643312 4682197
4682537 4769472 4772960 4802594 4802646 4802915 4817079 4819991 4825043 4833860 4841632
4841930 4849610 4860183 4860955 4860976 4865731 4865856 4866849 4874549 4878077 4893666
4895891 4896149 4897386 4905701 4915782 4926737 4927647 4928612 4930184 4930185 4932237
4934929 4941431 4941930 4942663 4943059 4944039 4944406 4946459 4946473 4946815 4948972
4953382 4958313 4959637 4975228 4978865 4988523 4996240 5002279 5017145 5017148 5017847
5017962 5021064 5026502 5026824 5028398 5035198 5036234 5039920 5042241 5042253 5050686
5054052 5056444 5059500 5059920 5084220 5092221 5108333 6210001
```

■ **117177-01 – SunOS 5.9: Crash in the gssapi module**

```
4807010
```

■ **117179-01 – SunOS 5.9: nfs_dlboot Patch**

```
5027222
```

■ **117184-01 – GNOME 2.0.2: GNOME panel and support libraries Patch**

```
4982661
```

■ **117186-02 – GNOME 2.0.2: GNOME Virtual File System Framework Patch**

```
4944784 5068240
```

■ **117201-09 – X11 6.6.1: st patch**

```
4959585 5030512 5048581 5054000 5054083 5054770 5049175 5061404 5063909 4997203 5064804
5067089 5048680 5067795 5065960 5071005 5070541 5069220 5070941 5071007 5072097 5072207
5049419 5079484 5037640 5102370 5104693
```

- **117203-05 – X11 6.6.1: fontconfig patch**

```
4983354 5028919 5011380 5036458 5065960 5072172
```

- **117256-01 – SunOS 5.9: Remove old OW Xresources.ow files**

```
5016219
```

- **117280-03 – SunOS 5.9: SPECIAL PATCH: For EDITABLE Files**

```
4531894 4941466 4773326 5023674
```

- **117282-03 – SunOS 5.9: SPECIAL PATCH: For Script Files**

```
4531894 5062839
```

- **117400-01 – SunOS 5.9: ISO8859-6 and ISO8859-8 iconv symlinks**

```
4928164
```

- **117418-01 – SunOS 5.9: consms patch**

```
4718437
```

- **117420-02 – SunOS 5.9: mdb Patch**

```
4531894 5037365
```

- **117426-03 – SunOS 5.9: ctsmc and sc_nct driver patch**

```
4941466 5062839 6202868
```

- **117427-08 – SunOS 5.9: ufs Patch**

```
4353832 4587617 4723351 4781568 4936030 4949500 5003760 5014326 5027393 5044486 5077968
5106803 6187076 6205337
```

- **117428-01 – SunOS 5.9: picl Patch**

```
4941466
```

- **117430-01 – SunOS 5.9: ttymux Patch**

```
4941466 4967381
```

- **117431-01 – SunOS 5.9: nss_nis Patch**

```
4644308
```

- **117433-01 – SunOS 5.9: FSS FX RT Patch**

```
5059500
```

- **117441-01 – SunOS 5.9: FSSdispadmin Patch**

```
4977407
```

- **117443-01 – SunOS 5.9: libkvm Patch**

```
5078943
```

- **117445-01 – SunOS 5.9: newgrp patch**

```
4705393
```

- **117450-01 – SunOS 5.9: ds_SUNWnisplus Patch**

```
5030069 5057130
```

■ **117453-01 – SunOS 5.9: libwrap Patch**

```
4967563
```

■ **117455-01 – SunOS 5.9: in.rwhod Patch**

```
4705157
```

■ **117457-01 – SunOS 5.9: elfexec Patch**

```
6175381
```

■ **117459-01 – SunOS 5.9: routing socket module Patch**

```
5074404
```

■ **117471-02 – SunOS 5.9: fifofs Patch**

```
5036875 5098322
```

■ **117473-01 – SunOS 5.9: fwtmp Patch**

```
6180974
```

■ **117477-01 – SunOS 5.9: vol Patch**

```
4349871 4857372 4906902 4907085 4940964 5006301 5073105 5073109 5073158 5073172
```

■ **117479-01 – SunOS 5.9: efcode patch**

```
4766717 6177369
```

■ **117480-01 – SunOS 5.9: pkgadd Patch**

```
6202830
```

■ **117483-01 – SunOS 5.9: ntwdt Patch**

```
6230025
```

■ **117485-01 – SunOS 5.9: fn_ctx_x500.so.1 Patch**

```
4807798
```

■ **117488-01 – SunOS 5.9: printmgr Localization message patch**

```
5033604
```

■ **117560-02 – SunOS 5.9: Microtasking libraries (libmtsk) patch**

```
4822965 4877490 4915962 5087100 5087277 5087628 5089382 5091653 5092014 5092233 5094879
5096814 5098026 5098139 5104020 5102871 5106203 5107215 6177038 6190879 6192978 6204867
6206169 6210378 6203445 6198156
```

■ **117577-03 – X11 6.6.1: TrueType fonts patch**

```
5033155 5074803
```

■ **117590-04 – SunOS 5.9: Bug fixes for Locale Administrator**

```
5032377 5046046 5052631 5067857 5070441 5075710
```

■ **117593-04 – SunOS 5.9: Manual Page updates for Solaris 9**

```
5042752 5050045 5064171
```

■ **117595-03 – SunOS 5.9: Manual Page updates for Solaris 9**

```
5027915 5029671 5029685 5029691 5041575 5043813 5015497 5041574 5057158
```

- **117601-01 – X11 6.6.1: libowconfig.so.0 patch**

```
5028599
```

- **117632-01 – CDE1.5: sun_at patch for Solaris 9**

```
4839620
```

- **117636-01 – SunOS 5.9: disk_ata driver patch**

```
5008787
```

- **117659-01 – SunOS 5.9: Wnn6 set_fi_user_dic set Error on local path option**

```
5038089
```

- **117663-02 – X11 6.6.1: xwd patch**

```
4763759 6183403
```

- **117682-03 – SunOS 5.9: gnu a2ps espgs foomatic print filter patch**

```
5045800 5046739 5060316
```

- **117728-01 – CDE1.5: dthello patch**

```
5034913
```

- **117746-04 – SunOS 5.9: patch platform/sun4u/kernel/drv/sparcv9/pic16f819**

```
5023674 5062839
```

- **117753-01 – SunOS 5.9: SCRIPT patch**
- **117780-01 – SunOS 5.9: FUJITSU PCI Fibre Channel Driver Special Patch**

```
5062979
```

- **117985-01 – SunOS 5.9: XIL 1.4.2 Loadable Pipeline Libraries**

```
5060776
```

- **118064-04 – SunOS 5.9: Admin Install Project Manager Client Patch**

```
4851840 4937907 5083192
```

- **118191-01 – gtar patch**

```
5069958
```

- **118193-01 – gtar source patch**

```
5069958
```

- **118260-01 – GNOME 2.0.2: GNOME configuration framework Patch**

```
5082453
```

- **118300-02 – X11 6.6.1: libXpm patch**

```
5077952 5082323 6196754 6231515 6241936
```

- **118305-04 – SunOS 5.9: TCP Patch**

```
4796648 4846184 5089150 5094229
```

- **118335-03 – SunOS 5.9: sockfs Patch**

```
4846022 4999223
```

- **118413-02 – SunOS 5.9: Project Manager Localization message patch**

6180563 6207707

- **118463-01 – SunOS 5.9: du Patch**

5068958

- **118465-02 – SunOS 5.9: rcm_daemon Patch**

4655205 4775771 4836686 4847585 4856242 4976595 5048956 5083865

- **118472-01 – SunOS 5.9: pargs Patch**

4878757

- **118535-02 – SunOS 5.9: sh/jsh/rsh/pfsh Patch**

4498084 5045556

- **118539-02 – SunOS 5.9: schpc Patch**

4902271 5076027

- **118558-11 – SunOS 5.9: Kernel Patch**

4117562 4487110 4490112 4510864 4520798 4599397 4616050 4618950 4636540 4640542 4640559
4647808 4656626 4656821 4658782 4660073 4661192 4664349 4665239 4673645 4679229 4692005
4692023 4692053 4697219 4697505 4703981 4704996 4710160 4710161 4711217 4711218 4713409
4715000 4715664 4718737 4721200 4721451 4726041 4729275 4731122 4733895 4733898 4743493
4760403 4762548 4764927 4765183 4766240 4771216 4773186 4773830 4775419 4776134 4776340
4778049 4780312 4780968 4781113 4785498 4788465 4788809 4794193 4794822 4796100 4796798
4801542 4806961 4807724 4808786 4809862 4810029 4815744 4818004 4818739 4819633 4820126
4824390 4827612 4827672 4827687 4828270 4832753 4834149 4840725 4840813 4842171 4842538
4843188 4843701 4852595 4860202 4862012 4864535 4864707 4870759 4873815 4874917 4876816
4886938 4887975 4892419 4895610 4895681 4896555 4897925 4899400 4899522 4903838 4907010
4921361 4923037 4923583 4925049 4931707 4934299 4934546 4934617 4935587 4941466 4944925
4945033 4946504 4946686 4947970 4952413 4952525 4952988 4953623 4955544 4955554 4955965
4960084 4961578 4962596 4966373 4969599 4977946 4979731 4979787 4984733 4986223 4994422
4995744 4998275 5006368 5006842 5011103 5012334 5012666 5015315 5016636 5023674 5025959
5025968 5027427 5034691 5034702 5036234 5037923 5039202 5040068 5041985 5046939 5057101
5062387 5062645 5062839 5063140 5065051 5073604 5076027 5076548 5082877 5084503 5087929
5090037 5095432 5103805 5106210 6178457 6192370 6197861 6199548 6200160 6203464 6204621
6207276 6209411 6209588 6210881 6218503 6230025 6239011 6239064 6242869 6243046 6243897
6247378 6248724 6283565

- **118586-01 – SunOS 5.9: cp/mv/ln Patch**

5015406

- **118618-01 – Network Security Services for Java (JSS) 3.1.2.3 SunOS 5.8 5.9: genesis patch**

- **118759-01 – X11 6.6.1: Font Administration Tools patch**

6203719

- **118897-01 – SunOS 5.9: stc Patch**

6174587

- **119433-01 – SunOS 5.9: telnet**

6234932

- **119438-01 – SunOS 5.9: usr/bin/login Patch**

6179000

- **119447-01 – SunOS 5.9: ses Patch**

6227029

- **119449-01 – SunOS 5.9: Perl Patch**

4951799

- **119494-01 – SunOS 5.9: mkisofs patch**

5104326

- **119928-02 – SunOS 5.9: SPECIAL PATCH: For Script Files**

6237500 6247378

- **119929-01 – SunOS 5.9: /usr/bin/xargs patch**

6203159

- **119936-01 – SunOS 5.9: mkfs Patch**

6245090

- **119937-01 – SunOS 5.9: unable to jumpstart client using DHCP boot**

6228203

- **119976-01 – CDE 1.5: dtterm patch**

6219941

- **120192-01 – SunOS 5.9: SPECIAL PATCH: For EDITABLE Files**

4531894 4941466 4773326 5023674 5057101 6230025 6231964 4883904

- **120315-01 – SunOS 5.9: XMITS 3.X ASIC and IO assemblies for Starcat, Serengeti, LW8**

5076027

- **120445-01 – SunOS 5.9: Toshiba platform token links (TSBW,Ultra-3i)**

6296066

x86 Patch List

- **111713-09 – SunOS 5.9_x86: Shared library patch for C++_x86**

4302954 4698028 4699194 4704604 4708982 4745600 4747931 4749398 4749628 4750936 4756106
4794587 4797953 4806782 4820555 4825898 4828443 4853946 4856138 4861853 4886310 4884516
4894898 4918858 4876793 4919536 4864189 4949404 4951789 4953582 4953639 4965215 4945288
4967333 5019613 4957415 4678395 4962360 4997504 4859928 5019752 5032521 5037790 4980736
5034760 5039540 5001937 5041951 5109951

- **111728-03 – SunOS 5.9_x86: Math Library (libm) patch**

```
4810765  4817713  4820770
```

■ **112615-04 – SunScreen 3.2 miscellaneous fixes for Solaris 9_x86**

```
4475976  4484731  4531796  4599245  4621944  4636508  4636511  4636514  4710480  4710493  4713896
4729278  4731099  4760976  4762492  4764370  4764373  4767244  4770205  4790511  4801062  4861572
4833684  4389132  4433735  4821206
```

■ **112662-06 – SunOS 5.9_x86: IIIM and X Input & Output Method patch**

```
6175370  6212427  5046466  4901772  4803378  4805181  4805730  4823672  4593130  4412147  4726723
4629783  4721656  4721661  4742096  4691874  4650804  4774826  4772485  4777933  4776987
```

■ **112786-38 – X11 6.6.1_x86: Xsun patch**

```
4760672  4734353  4707069  4709009  4762797  4740125  4732113  4676222  4753720  4736505  4780894
4633549  4798375  4742744  4784311  4809776  4818111  4716007  4828474  4785372  4422011  4805863
4787416  4755776  4847054  4868692  4748474  4707057  4721898  4846090  4743878  4843234  4858548
4866506  4880222  4701451  4709918  4785959  4834460  4863536  4894855  4845579  4847731  4248632
4680913  4790284  4750598  4889164  4781056  4913527  4886190  4780425  4839220  4874319  4889565
4922200  4961781  4957436  4810740  4907034  4989547  4991847  4970756  4985837  4995611  4771300
4963084  5007488  4185550  4522529  4787667  5002007  4856208  5023755  4962001  4982339  5028657
5028901  5039004  5042212  4992287  4707141  5037725  5032391  5048853  5067275  5046466  5104863
6219932  6219947  5016163  6228875  6255133
```

■ **113099-01 – X11 6.6.1_x86: X RENDER extension patch**

```
4749332  4770510
```

■ **113108-01 – SunOS 5.9_x86: udfs Patch**

```
4762254  4865731
```

■ **113109-01 – SunOS 5.9_x86: xmemfs Patch**

```
4865731
```

■ **113111-01 – SunOS 5.9_x86: touch Patch**

```
4482571  4659955
```

■ **113124-01 – SunOS 5.9_x86: /kernel/drv/devinfo patch**

```
4869606
```

■ **113241-11 – CDE 1.5_x86: dtsession patch**

```
4701185  4743546  4763733  4788212  4837640  4880232  4845302  4944400  5023052  5023659  5064140
```

■ **113245-06 – CDE 1.5_x86: dtwm patch**

```
4743546  4853367  4868035  4917291  4948424  4956257  4971032  5091345
```

■ **113375-01 – X11 6.6.1_x86: xpr patch**

```
4704388
```

■ **113404-04 – SunOS 5.9_x86: Tamil/Kannada/Gujarati/Bengali support**

```
4769446  4752426  4767689  4767747  4752139  4681931  4832435
```

■ **113406-02 – SunOS 5.9_x86: sync with 4751190 for th_TH.UTF-8 locales**

```
4751190
```

■ **113408-03 – SunOS 5.9_x86: Added Five stroke input method support in S9UR**

```
4741018  4783961  4749970  4749975  4837040
```

- **113542-01 – X11 6.6.1_x86: XKB patch**

```
4633549
```

- **113590-07 – SunOS 5.9_x86: JFP manpages patch**

```
4808428 4809083 4695070 4742031 4688476 4710452 4717366 4851824 4852478 4907337 4907341
4961965 4961971 4979314 5046638
```

- **113633-05 – SunOS 5.9_x86: Updated video drivers and fixes**

```
4312993 4802189 4817182 4864003 4919426 4964905 4969394 5005184 5005984 5008175 5008258
5019161 5019886 5022206 5026264 5028728 5037739 5042778 5045450
```

- **113719-16 – SunOS 5.9_x86: libnsl rpc.nispasswdd Patch**

```
4152876 4353836 4503714 4644308 4655472 4668699 4674036 4684558 4686960 4687778 4688447
4710928 4724357 4727726 4738852 4745909 4757387 4765506 4767276 4806914 4817833 4823553
4828271 4874895 4915053 4941669 4966526 4973536 4977978 4990222 4996337 4997108 5016629
5071759 5106725 5109439
```

- **113765-02 – X11 6.6.1_x86: keyboard patch**

```
4716868 4237479 4633549
```

- **113790-01 – CDE 1.5_x86: dtexec patch**

```
4759425
```

- **113797-05 – CDE1.5_x86: Tooltalk patch**

```
4722127 4741187 4744289 4784893 4871091 4915560 6206423
```

- **113832-02 – SunOS 5.9_x86: Estonian decimal point character incorrect**

```
4733239
```

- **113838-02 – CDE 1.5_x86: libDtSvc patch**

```
4720526 4786448 4917860 5092678
```

- **113840-01 – CDE 1.5_x86: sdtwsinfo patch**

```
4729180 4773801
```

- **113842-01 – CDE 1.5_x86: answerbook patch**

```
4729199
```

- **113846-01 – CDE 1.5_x86: sdtjmplay patch**

```
4731319
```

- **113862-04 – CDE 1.5_x86: dtksh patch**

```
4729959 4814825 4802900 4924920
```

- **113864-01 – CDE 1.5_x86: dtconfig patch**

```
4732757
```

- **113867-23 – Motif 1.2.7_x86 and 2.1.1_x86: Runtime library patch for Solaris 9**

```
4741124 4757112 4743372 4712265 4750419 4787387 4756028 4764309 4782506 4839891 4887144
4891948 4475248 4816308 4930029 4852622 4942777 4953649 4762150 4946432 4939108 4991793
4973890 4923648 5051929 5058156 5086486 5086488 5099395 6205878 6209386
```

- **113869-02 – CDE 1.5_x86: PDASync patch**

```
4653758 4705576 4642465 4783087 4815680
```

■ **113870-05 – CDE 1.5_x86: dtmail patch**

```
4715670 4786715 4714769 4715322 4862205 4877306 5038601
```

■ **113897-06 – SunOS 5.9_x86: en_US.UTF-8 locale patch**

```
4810102 4893213 4857313 4879620 4894641 4839796 4918666 4847017 4857857 4860057 4860065
4839577 4846689 4874481 4811234 4833698 4843218 4746498 4749928 4633291 4758189 4761039
4753468 4757704 4765728 4765666 4751190 4751699 4767922 4768220 4681931 4791073 4647462
4635650 4648210 4739481 4770344 4774817 4778370 4775106 4501634 4778686 4805695 4798658
4762506 4789856
```

■ **113903-03 – SunOS 5.9_x86: Asian UTF-8 iconv modules enhancement**

```
4702278 4750690 4772950
```

■ **113905-03 – SunOS 5.9_x86: 7 indic scripts support in Asian UTF-8 locales**

```
4768804 4752112 4752144 4790423 4681931
```

■ **113907-01 – SunOS 5.9_x86: Fixed some functional problems in Chinese locales**

```
4731208 4677334
```

■ **113910-01 – SunOS 5.9_x86: Thai font enhancement**

```
4747781
```

■ **113924-02 – X11 6.6.1_x86: security font server patch**

```
4764193
```

■ **113966-14 – SunOS 5.9_x86: OS Localization message patch**

```
4736248 4775204 4767999 4809660 4831626 4804312 4817097 4841909 4881566 4896232 4909364
4907285 4938538 4949060 4951926 4960952 4652810 4977809 5033601 5007256 5049550 6285742
```

■ **113968-03 – SunOS 5.9_x86: Volume Management Localization message patch**

```
4775188 4804590 4928522
```

■ **113969-01 – SunOS 5.9_x86: uxlibc Localization message patch**

```
4760256
```

■ **113970-01 – SunOS 5.9_x86: DHCP Manager Localization message patch**

```
4733194
```

■ **113974-01 – SunOS 5.9_x86: adb Patch**

```
4664740
```

■ **113979-01 – SunOS 5.9_x86: syseventconfd Patch**

```
4737409 4745393
```

■ **113986-18 – SunOS 5.9_x86: linker Patch**

```
4461340 4470917 4504895 4526878 4698800 4707030 4714146 4715815 4716275 4728822 4730110
4730433 4731183 4739660 4743413 4744337 4744411 4745129 4745932 4746231 4753066 4754751
4755674 4764817 4765536 4766815 4770484 4770494 4772927 4774727 4775738 4778247 4778418
4779976 4783869 4787579 4790194 4792461 4793721 4796237 4796286 4798376 4802194 4804328
4806476 4811093 4811951 4811969 4816378 4817314 4824026 4825065 4825151 4825296 4826315
4830584 4830889 4831544 4831650 4834784 4838226 4845764 4845829 4850703 4860508 4865418
```

```
4870260 4872634 4878827 4889914 4900320 4900684 4904565 4904573 4906062 4911775 4911796
4911936 4912214 4915901 4918303 4918310 4918938 4930985 4930997 4933300 4936305 4939565
4939626 4939869 4940894 4946992 4948119 4948427 4951840 4955373 4955802 4963676 4964415
4966465 4967869 4968618 4973865 4974828 4975598 4994738 5002160 5006657 5012172 5013759
5021541 5021773 5023493 5029830 5031495 5032364 5034652 5036561 5041446 5042713 5044797
5047082 5047235 5047612 5056867 5058415 5062313 5063580 5064973 5067518 5071614 5076838
5079061 5080344 5080443 5085792 5086352 5092414 5094135 5096272 5098205 5102601 5105601
5106206 6173559 6173852 6174599 6175609 6175843 6177838 6178667 6181928 6182293 6182884
6183645 6189384 6190863 6191488 6192164 6192490 6195030 6195521 6198358 6204123 6207495
6209350 6212797 6215444 6217285 6219538 6222525 6226206 6228472 6235000 6241995 6244897
6251722 6251798 6254364 6258834 6260361 6260780 6261803 6261990 6262789 6266261 6267352
6268693 6276905 6280467 6283601 6284941 6291547
```

■ **113991-01 – SunOS 5.9_x86: sar & sadc Patch**

```
4627454 4723484
```

■ **113994-31 – SunOS 5.9_x86: md Patch**

```
4159866 4259149 4352265 4373671 4380147 4462054 4473583 4508010 4518313 4518317 4521998
4628758 4631270 4632281 4634737 4647352 4648067 4655532 4666299 4668224 4668960 4669927
4678627 4680610 4690701 4690983 4698878 4701093 4705486 4705513 4710390 4711136 4711969
4712873 4714648 4714923 4715369 4715443 4719744 4720138 4721112 4723547 4725693 4728078
4733518 4740375 4744248 4760182 4763631 4768557 4774716 4780601 4790035 4796430 4802281
4808079 4808489 4813460 4814438 4816898 4816970 4820916 4822189 4826191 4829703 4830061
4834259 4835153 4839268 4840737 4854233 4854410 4866715 4871258 4883796 4883904 4884359
4886687 4888423 4893952 4908210 4910467 4915431 4917281 4933271 4934391 4934706 4935923
4936591 4942378 4948693 4954374 4963065 4964390 4971146 4975541 4981298 5001778 5003251
5007951 5007980 5009684 5009733 5011522 5011799 5011839 5012030 5012606 5012815 5013142
5013143 5013146 5013148 5013166 5013167 5013172 5014316 5014558 5016028 5016531 5018631
5021214 5022111 5024116 5026788 5026796 5026803 5028147 5030217 5031644 5033523 5035160
5037602 5038605 5040057 5040154 5041157 5046091 5046783 5048347 5048915 5061410 5061599
5067898 5068997 5070496 5070511 5071059 5071901 5072849 5073220 5073727 5080292 5081477
5085032 5087369 5088893 5089909 5093712 5097853 5102518 5109446 5109456 5110153 6176220
6178538 6178560 6182797 6209065
```

■ **113996-02 – SunOS 5.9_x86: utmp_update Patch**

```
4659277 4705891
```

■ **113999-04 – SunOS 5.9_x86: devfsadm Patch**

```
4259149 4334693 4473583 4517655 4622990 4703964 4716238 4734853 4744248 4763631 4908675
```

■ **114002-01 – SunOS 5.9_x86: awk/sed pkgscripts Patch**

```
4435976 4737594
```

■ **114005-01 – SunOS 5.9_x86: sed Patch**

```
4727485
```

■ **114007-01 – SunOS 5.9_x86: tftp Patch**

```
4656587
```

■ **114009-01 – SunOS 5.9_x86: cachefsd Patch**

```
1250956 4110712 4230685 4338920 4467621 4507274 4616030 4698882 4698886 4740460
```

■ **114011-02 – SunOS 5.9_x86: m4 Patch**

```
4174383 4837874
```

■ **114015-10 – SunOS 5.9_x86: libxml, libxslt and Freeware man pages Patch**

```
4634845 4665029 4668974 4702333 4708162 4768591 4781721 4787493 4793452 4806701 4822658
4822718 4833908 4839883 4839885 4870078 4876873 5069958 5104326
```

■ **114017-01 – SunOS 5.9_x86: tomcat security patch**

```
4759554
```

■ **114021-03 – 5.9_x86: Synching Euro UTF-8s**

```
4773318 4788627 4846281
```

■ **114038-02 – SunOS 5.9_x86: patch for supporting Unicode3.2 & indic script**

```
4774476 4823451
```

■ **114040-02 – SunOS 5.9_x86: Bug fix for dtpad column in Euro UTF-8 locales**

```
4773166 4897744
```

■ **114050-12 – SunOS 5.9_x86: NSPR 4.1.6 / NSS 3.3.4.5**

```
4840298 4840300 4840303 4856631 4856633 4884151 4933535 4945089 4964119 4972840 4991529
5004563 5016209 5025584 5069683
```

■ **114124-05 – SunOS 5.9: SPECIAL PATCH: For EDITABLE files**

```
4712441 4805954
```

■ **114134-02 – SunOS 5.9_x86: mail Patch**

```
4705717 5074748
```

■ **114136-02 – SunOS 5.9_x86: at utility Patch**

```
4776480 4873835
```

■ **114137-04 – SunOS 5.9_x86: sendmail Patch**

```
4697068 4706596 4706608 4706632 4706660 4728227 4737586 4756570 4798135 4808977 4809539
4826809 4835344 4839833 4924036
```

■ **114145-05 – SunOS 5.9_x86: Apache Security Patch**

```
4737442 4759882 4768221 4948830 5002881 5061043 5069902 5073308 5082985
```

■ **114166-01 – CDE 1.5_x86: SUNWsregu Localization message patch**

```
4762680
```

■ **114185-01 – CDE 1.5_x86: rpc.cmsd patch**

```
4687131
```

■ **114191-05 – SunOS 5.9_x86: sysidnet Utility Patch**

```
4519228 4678406 4683519 4698391 4698500 4704974 4711830 4719195 4759857 4787789 4807079
4867326 4868757 4904083
```

■ **114192-06 – SunOS 5.9_x86: Volume Management Patch**

```
4429002 4478237 4508734 4516578 4576802 4632847 4637525 4645142 4648750 4656914 4656931
4660125 4664713 4696741 4704081 4715667 4730706 4739995 4764186 4773530 4791015 4791556
4931702
```

■ **114193-27 – SunOS 5.9_x86: wbem Patch**

```
4486297 4496120 4626762 4639638 4641801 4641818 4641851 4643267 4644880 4645051 4645080
4645105 4645146 4645315 4645581 4645811 4647508 4648811 4649058 4654765 4655882 4656941
4658145 4674537 4682188 4686244 4696284 4699585 4700539 4701067 4720857 4739720 4742164
4742960 4754758 4759233 4766098 4766971 4768461 4769053 4769612 4769791 4769795 4769860
4769889 4770013 4770017 4770024 4770027 4771207 4771466 4771469 4771476 4773485 4777931
4781761 4782465 4786712 4786891 4792126 4795642 4796483 4796491 4796519 4796556 4807821
4809906 4810642 4813116 4824518 4834362 4845276 4847816 4848759 4866907 4867928 4872697
4911869 4914834 4931247 4931702 4946973 4964126 4997883 5058260 5064520 5078226 5082296
5083069 5092404 5095994 6191674 6212927 6225230 6235892 6242775 6242778 6255908
```

- **114194-09 – SunOS 5.9_x86: patchadd and patchrm Patch**

```
4421583 4529289 4623249 4625879 4639323 4678605 4706994 4723617 4725419 4728892 4731056
4737767 4744964 4750803 4759158 4767392 4850925 4919852 4949580 4967080 4985934 5045607
5087817 6199776 6220578
```

- **114196-23 – SunOS 5.9_x86: /usr/snadm/lib Library and Differential Flash Patch**

```
4313832 4385866 4391400 4501772 4642585 4654964 4655075 4658735 4660835 4707022 4718661
4723051 4724529 4733324 4734649 4744624 4750446 4753030 4759768 4760694 4761562 4761681
4763919 4767378 4767678 4768717 4793554 4801754 4812304 4826147 4827060 4832216 4834450
4834885 4846793 4862735 4879767 4888173 4889594 4889623 4904610 4945516 4963778 4985741
4985934 4989156 4997302 5031468 5050613 5096647 6225766
```

- **114199-01 – SunOS 5.9_x86: smcpreconfig.sh Patch**

```
4704611
```

- **114200-01 – SunOS 5.9_x86: solregis Patch**

```
4762680
```

- **114201-01 – SunOS 5.9_x86: Gnome Integration Patch**

```
4752366 4770721
```

- **114210-15 – CDE 1.5_x86: dtlogin patch**

```
4750889 4761698 4807292 4720523 4768118 4687193 4864597 4840141 5022437 4849776 4697287
4962013 4980138 4986079 4973189 5006986 5100451 6209544 6215729
```

- **114212-02 – SunOS 5.9_x86: WBEM Localization message patch**

```
4786427 4767999 5050161
```

- **114216-04 – SunOS 5.9_x86: Install/admin Localization message patch**

```
4788175 4804609 4818688 4974126
```

- **114218-03 – SunOS 5.9_x86: Install/admin Localization message patch**

```
4788175 4818688 4841337
```

- **114220-11 – CDE 1.5_x86: sdtimage patch**

```
4746059 4728421 4822709 4849909 4705973 5044241 5024924 5035922 6203734 4284511 6217996
```

- **114222-02 – SunOS 5.9_x86: UR bug fixes**

```
4791189 4789202
```

- **114225-04 – SunOS 5.9_x86: csh Patch**

```
4198269 4479584 5100865 6209912
```

- **114228-01 – SunOS 5.9_x86: yacc Patch**

```
4735960
```

■ **114230-01 – SunOS 5.9_x86: action_filemgr.so.1 Patch**

```
4714071
```

■ **114234-03 – SunOS 5.9_x86: rsm Patch**

```
4679690 4700142 4728023 4754589 4780149 4781177 4792165
```

■ **114236-01 – SunOS 5.9_x86: libsendfile.so.1 Patch**

```
4640982 4711013
```

■ **114237-04 – SunOS 5.9_x86: libaio Patch**

```
4501001 4636591 4673944 4709171 4785625 4914854
```

■ **114238-01 – SunOS 5.9_x86: dhcpmgr.jar Patch**

```
4731988
```

■ **114242-17 – SunOS 5.9_x86: passwdutil.so.1 & pam_authtok Patch**

```
4523936 4624458 4658569 4688752 4698366 4698379 4698387 4702568 4720818 4723361 4743707
4746114 4747441 4751394 4754634 4755582 4757282 4765506 4768140 4774607 4776571 4779333
4780109 4784324 4787488 4793719 4802414 4805635 4830406 4873939 4874749 4877796 4887906
4890233 4890303 4894583 4913437 4920444 4977110 4980441 4988859 5003953 5005602 5007891
5012514 5014922 5014993 5022076 5044522 5047250 5055748 5067333 5096736 6219143
```

■ **114243-12 – SunOS 5.9_x86: st driver Patch**

```
4027074 4273477 4336105 4412239 4728530 4734019 4734033 4756712 4761337 4774943 4799891
4804362 4809961 4819888 4819983 4821401 4824592 4841612 4854282 4861895 4866891 4895202
4903496 4976566 5067923 5103484 6177478 6183286 6225780 6232414
```

■ **114245-01 – SunOS 5.9_x86:some characters can't be shown in GBK and GB18030 locale**

```
4771032
```

■ **114248-01 – SunOS 5.9_x86: Sync with Unicode3.2 for Asia locales**

```
4752139
```

■ **114250-01 – SunOS 5.9_x86: SPECIAL PATCH:Broken preremove scripts in some S9 pkgs**

```
4829407
```

■ **114253-01 – SunOS 5.9_x86: SPECIAL PATCH:Broken SUNWcdft postinstall impact x86**

```
4854523
```

■ **114260-02 – SunOS 5.9_x86: /usr/sbin/psrinfo Patch**

```
4841716 4983696
```

■ **114262-02 – SunOS 5.9_x86: /usr/sbin/snoop Patch**

```
4259149 4473583 4676230 4744248 4763631
```

■ **114263-02 – SunOS 5.9_x86: libgss.so.1 Patch**

```
4799173 4829637
```

- **114265-08 – SunOS 5.9_x86: in.dhcpd Patch**

```
4678758 4721862 4840208 4932150 4944796 4981080 5086331 5098448 6220012
```

- **114266-01 – SunOS 5.9_x86: winlock Patch**

```
4712871
```

- **114273-04 – SunOS 5.9_x86: Sun ONE Directory Server 5.1 patch**

```
2057900 2063534 2065178 2069342 2079262 2097441 2097456 2097509 2097541 2097600 2097623
2097654 2097665 2098090 2099197 2099422 2101163 2101262 2101315 2101333 2108974 2117983
2118490 2119155 2120389 2120414 2120541 2120699 2121079 2121114 2121347 2121481 2121615
2121644 2121688 4527608 4529402 4530466 4530509 4532320 4532757 4533706 4535845 4537169
4538268 4550044 4589224 4592931 4614559 4615165 4616579 4617085 4617521 4619976 4620546
4621920 4622371 4623119 4623199 4623308 4624693 4627760 4628444 4630124 4639310 4639408
4639560 4640273 4640724 4643122 4645544 4645887 4646301 4646350 4646392 4649319 4649615
4651972 4652031 4652859 4653016 4656657 4656846 4658787 4658810 4663658 4665564 4665571
4668480 4669525 4669879 4671360 4672889 4672914 4672960 4674387 4675387 4682961 4683476
4684519 4686213 4687038 4689805 4691101 4692956 4695152 4697500 4704039 4704635 4705641
4707395 4708296 4709128 4711201 4711202 4713256 4714196 4714358 4715065 4715955 4716340
4716745 4717121 4719564 4722987 4723630 4732352 4735062 4735919 4737978 4738221 4738639
4742083 4742450 4743633 4743796 4748399 4749234 4751092 4753087 4754469 4754595 4756215
4758387 4759670 4761010 4765575 4767182 4773751 4773823 4773920 4776001 4777358 4778128
4778154 4778334 4780230 4780807 4781823 4783910 4784168 4786154 4786475 4786504 4786547
4787220 4789601 4791877 4795280 4797685 4802963 4805734 4807803 4809504 4809846 4813355
4813998 4815733 4817676 4818005 4819399 4819555 4819710 4819904 4820037 4821198 4821289
4824825 4826265 4826843 4826863 4827569 4829894 4830417 4834508 4836446 4836491 4838624
4838863 4840786 4840960 4842620 4846165 4846332 4848325 4850717 4850722 4851870 4851879
4854827 4854898 4856290 4856329 4856331 4857614 4863001 4863706 4863943 4864622 4865435
4865525 4865653 4865859 4866060 4867299 4880352 4881181 4881653 4883250 4884416 4885686
4886421 4891116 4894995 4897873 4898449 4899320 4903397 4904414 4908443 4911023 4911678
4911711 4912539 4912664 4913176 4913984 4916248 4918912 4920323 4921143 4921426 4922595
4925223 4928129 4929089 4930098 4932782 4935077 4938445 4942664 4943975 4945548 4946487
4948365 4953750 4957279 4957314 4957384 4965036 4973380 4976005 4976010 4976129 4976481
4980328 4990956 4994274 5013318 5014116 5024106 5026748 5044378 5047431 5052660 5053912
5071022 5071675 5072159 5084650 5088018 5098376 5103276 5104371 6176080 6185038
```

- **114277-02 – SunOS 5.9_x86: Extended Arabic support in UTF-8**

```
4786458 4820267
```

- **114283-01 – CDE 1.5_x86: libDtWidget patch**

```
4776648
```

- **114313-02 – CDE1.5_x86: GNOME/CDE Menu for Solaris 9_x86**

```
4748729 5073813
```

- **114322-03 – SunOS 5.9_x86: Patch Manager Localization message patch**

```
4795479 4826155 4929385
```

- **114328-06 – SunOS 5.9_x86: nss_ldap.so.1 Patch**

```
4643366 4751386 4779333 4780109 4830525 4858673 4966423 5006801 6230927
```

- **114330-01 – SunOS 5.9_x86: pax Patch**

```
4766460
```

- **114336-02 – SunOS 5.9_x86: usr/sbin/rmmount patch**

4628233 4705226 4726100

■ **114342-08 – SunOS 5.9_x86: ypserv/ypxfrd/rpc.yppasswdd patch**

4283355 4823553 4882937 4890530 4905454 4926318 4951399 5022150

■ **114343-11 – SunOS 5.9_x86: ksh Patch**

4372800 4498084 4750637 4753777 4786817 4790885 4801490 4804763 4902634 4902666 4927873
4985002 5010511 5056943 5084140 6208198

■ **114348-12 – SunOS 5.9_x86: /usr/sbin/in.routed patch**

4259149 4473583 4637330 4639729 4648299 4673190 4675796 4678130 4699047 4703689 4703864
4705755 4726444 4728056 4728423 4728429 4728541 4744248 4751531 4763631 4763906 4775648
4783283 4798787 4799577 4806220 4817668 4828297 4836677 4837086 4859127 4863621 4879396
4915436 4971665 4995674 5005545 5018864 5035061 5049232 5065330 5073668 5096257 6195122
6227282 6231263

■ **114350-04 – SunOS 5.9_x86: sbin/dhcpagent patch**

4259149 4473583 4715953 4721209 4744248 4763631 4902398

■ **114353-03 – SunOS 5.9_x86: /etc/inet/inetd.conf Patch**

4761190

■ **114354-07 – SunOS 5.9_x86: libresolv patch**

4353836 4700305 4777715 4793327 4796596 4805812 4810893 4863307 4874895 4928758 6205056

■ **114355-03 – SunOS 5.9_x86: sort patch**

4641790 4725245 4817791 4851433 4897491 4913776 6178339

■ **114357-06 – SunOS 5.9_x86: usr/bin/ssh patch**

4665983 4685658 4707786 4763864 4804165 4939055 5099653

■ **114358-14 – SunOS 5.9_x86: snmpdx mibiisa libssagent.so.1 patch**

4691177 4706022 4743605 4782625 4787450 4870467 4872468 4883185 4889976 4935739 4940928
4955967 4958796 4959348 5013979 5053265 6174926 6177562 6190633 6191323 6227115 6228341

■ **114362-01 – SunOS 5.9_x86: lofi patch**

4302817 4331110 4335489 4342447 4348291 4361731 4389001 4446576 4477843 4505225 4526709
4628272 4649233

■ **114421-03 – SunOS 5.9_x86: Multiterabyte Disk Support - libadm.so.1 patch**

4259149 4334693 4473583 4622990 4716238 4744248 4763631 6197410

■ **114423-06 – SunOS 5.9_x86: format patch**

4334693 4622990 4716238 4726667 4766161 4777332 4781880 4785642 4791416 4814438 4820859
4826988

■ **114424-01 – SunOS 5.9_x86: Multiterabyte Disk Support - prtvtoc patch**

4334693 4622990 4716238

■ **114427-04 – SunOS 5.9_x86: Umem - libumem.so.1 patch**

4518988 4694626 4709984 4766343 4865797 4924624 4928859 5017315 5018265

■ **114428-01 – SunOS 5.9_x86: Umem - libumem patch**

```
4518988 4694626 4709984
```

- **114429-01 – SunOS 5.9_x86: Umem - llib-lumem patch**

```
4518988 4694626 4709984
```

- **114430-01 – SunOS 5.9_x86: Umem - abi-libumeme.so.1**

```
4518988 4694626 4709984
```

- **114432-21 – SunOS 5.9_x86: libthread.so.1 libc patch**

```
4152876 4165723 4221365 4223846 4254013 4271957 4353836 4479187 4489885 4518988 4524527
4530367 4533712 4656492 4669963 4679005 4686454 4688450 4694626 4705942 4709984 4749274
4749669 4756148 4756192 4764855 4767215 4768343 4769150 4769166 4772200 4782294 4783204
4786566 4792908 4795308 4795713 4797219 4810810 4812362 4818401 4819289 4828746 4831309
4839080 4844583 4845974 4855271 4863473 4871054 4874895 4877492 4878257 4881606 4888508
4893562 4894609 4894760 4904877 4915053 4950403 4951000 4955607 4955609 4955616 4955622
4961173 4961699 4980686 4981484 5043013 5044097 5059751 5061718 5061770 5066336 5079042
5081268 6176463 6182350
```

- **114433-10 – SunOS 5.9_x86: stack overflow - truss, ppgsz libproc patch**

```
4254013 4271957 4533712 4668520 4686454 4756192 4783204 4797219 4845974 4893562 4921661
4950966 4951000 4955607 4955609 4955616 4955622 4961699 4976951 5016934
```

- **114435-08 – SunOS 5.9_x86: IKE Hardware - libike Patch**

```
4666686 4667873 4671563 4673333 4673338 4687237 4704460 4731575 4739746 4742619 4745493
4745709 4752466 4762219 4804299 4823665 4832562 4840090 4842368 4890236 4919747 4919802
4927429 4930399 4941232 4963817 4974853 4976759 4977335 4982429 5016628
```

- **114436-01 – SunOS 5.9_x86: ike hardware - config.sample patch**

```
4666686 4673333 4687237 4704460 4739746 4745493 4745709
```

- **114437-02 – SunOS 5.9_x86: 6to4 router - usr/sbin/6to4relay patch**

```
4660167 4688392 4688398 4688704 4694560 4804064
```

- **114439-01 – SunOS 5.9_x86: Perl patch**

```
4675538 4724626 4768924
```

- **114440-03 – SunOS 5.9_x86: devinfo Patch**

```
4745581 4794712 4870565
```

- **114441-03 – SunOS 5.9_x86: Slot 1 DR - Hotplug**

```
4622581 4659144 4767641 4779758 4872741 4884579 4959085
```

- **114442-02 – SunOS 5.9_x86: 6to4 router - ifconfig patch**

```
4660167 4688392 4688398 4688704 4694560 4837086
```

- **114483-04 – SunOS 5.9_x86: Product Registry CLI Revision**

```
4385866 4391400 4655075 4753030 4767378 4767678 4768717 4796532 4801439 4863376
```

- **114496-01 – CDE 1.5_x86: dtprintinfo patch**

```
4788209
```

- **114502-01 – SunOS 5.9_x86: drmproviders.jar Patch**

```
4712814
```

- **114504-13 – SunOS 5.9_x86: usr/sadm/lib/usermgr/VUserMgr.jar Patch**

4750864 4756441 4762502 4770830 4803524 4810642 4914834 4931702 4946973 4997883 5080683
5092404 5092418 6192017 6196606 6236163 6242775 6242778

- **114514-03 – SunOS 5.9_x86: patch for Japanese and English X man pages**

4811454 4797892 4801395 4849095 4852478

- **114517-01 – SunOS 5.9_x86: patch for English sdtudctool man pages for S9UR3**

4808428

- **114521-07 – SunOS 5.9_x86: SPECIAL PATCH: For postinstall script**

4786712 4809906 4825349 4841998 4824518

- **114562-01 – X11 6.6.1_x86: X splash screen patch**

4807285

- **114565-05 – SunOS 5.9_x86: /usr/sbin/in.ftpd Patch**

4705192 4706072 4714534 4864687 5016478 6239487

- **114567-02 – SunOS 5.9: SPECIAL PATCH: For EDITABLE files**

- **114568-19 – SunOS 5.9_x86: usr/sadm/install/bin/pkginstall Patch**

4405634 4658542 4786593 4813860 4826609 4842146 4848801 4850925 4851760 4876125 4881141
4887795 4905318 4909852 4910538 4920769 4933503 4953336 4979694 5015850 5034108 5038650
5050493 5062603 6202671 6217206

- **114570-01 – SunOS 5.9_x86: libdbm.so.1 Patch**

4668699

- **114587-01 – SunOS 5.9_x86: bzip Patch**

4634845 4659775

- **114599-03 – 5.9_x86: UTF-8 dtcm chars not appearing, dtpad wrong size**

4787603 4418543

- **114613-01 – SunOS 5.9_x86: ANSI-1251 encodings file errors**

4812123

- **114615-04 – SUNOS 5.9_x86: s9ur,He, EMEA euro bugfixes unicode3.2**

4811236 4796228 4681931 4832943 4791206 4755447 4770382 4960935

- **114634-02 – SunOS 5.9_x86: ja_JP.UTF-8 locale patch**

4749205 4868872

- **114637-03 – SunOS 5.9_x86: KCMS security fix**

4661008 4774256 5040882

- **114642-03 – SunOS 5.9_x86: Japanese iconv for UTF-8 patch**

4706863 4671351 4671363 4109290 5077658

- **114678-10 – SunOS 5.9_x86: International Components for Unicode Patch**

4731597 4757662 4757683 4783065 4784646 4865107 4872194 4903197 4906617 4907166 4910918
4911499 4922414 4936232 4936244 4954656 4984965 4987315 5086303 2122158 4785261 6217550

- **114685-03 – SunOS 5.9_x86: samba Patch**

4768591 4787493 4833908 4839883 4839885 5080288 5095997 6203085

- **114712-03 – SunOS 5.9_x86: usr/sadm/lib/diskmgr/VDiskMgr.jar Patch**

4818306 4825948 4931702

- **114714-02 – SunOS 5.9_x86: newtask Patch**

4798119 4970817

- **114715-01 – SunOS 5.9_x86: libdb2.so.1 Patch**

4668699

- **114717-01 – SunOS 5.9_x86: usr/bin/rcp Patch**

1149636

- **114720-02 – SunOS 5.9_x86: kernel/misc/mixer Patch**

4714088 4776340 4790888 4824455 4829190

- **114722-06 – SunOS 5.9_x86: ufsrestore and ufsdump Patch**

4767221 4767281 4769786 4794712 4856282 4866433

- **114730-01 – SunOS 5.9_x86: /usr/sbin/in.telnetd Patch**

4798177

- **114732-02 – SunOS 5.9_x86: /usr/sbin/init Patch**

4662013 4868026 6183189 6185257

- **114735-01 – SunOS 5.9_x86: /usr/ccs/bin/lorder Patch**

4747253

- **114737-01 – SunOS 5.9_x86: usr/sbin/nisrestore Patch**

4759428

- **114819-06 – GNOME 2.0.0_x86: libpng Patch**

4809087 4881639 4901822 4979460 5019699 5075227

- **114857-02 – SunOS 5.9_x86: /usr/bin/pppd Patch**

4647938 4902137

- **114858-08 – SunOS 5.9_x86: usr/lib/ssh/sshd Patch**

4718590 4725702 4801044 4860120 4895076 4923312 4939055 5006469 5048145 5055703 5060548
5087792

- **114859-01 – SunOS 5.9_x86: kernel/drv/udp Patch**

4727825

- **114862-01 – SunOS 5.9_x86: /usr/sbin/wall Patch**

4803267

- **114876-01 – SunOS 5.9_x86: XML library source patch**

4822718

- **114924-01 – SunOS 5.9_x86: /usr/kernel/drv/logindmux Patch**

```
4674066
```

    ■ **114925-06 – SunOS 5.9_x86: usr/lib/inet/in.mpathd Patch**

```
4685978 4691277 4775897 4777295 4803389 4808860 4834142 4837086 5013238 5078640
```

    ■ **114928-01 – SunOS 5.9_x86: usr/sbin/allocate Patch**

```
4714170
```

    ■ **114932-01 – SunOS 5.9_x86: usr/sbin/syslogd Patch**

```
4772471 4787413 4812764
```

    ■ **114948-02 – SunOS 5.9_x86: ATOK12 patch**

```
4859514 4871090 4938649 4824729 4909461
```

    ■ **114964-01 – SunOS 5.9_x86: SCRIPT patch**

    ■ **114966-01 – SunOS 5.9_x86: SPECIAL PATCH: For editable files only**

```
4834885 4841998
```

    ■ **114968-02 – SunOS 5.9_x86: FDL patch**

```
4892060 4892039 4796458
```

    ■ **114976-01 – SunOS 5.9_x86: usr/lib/inet/dhcp/svcadm/dhcpcommon.jar Patch**

```
4782691
```

    ■ **114980-16 – SunOS 5.9_x86: lp Patch**

```
4530499 4593031 4626542 4635978 4640976 4648825 4652453 4687458 4687483 4697460 4704146
4704153 4704157 4704303 4704376 4704377 4704786 4704793 4704798 4704812 4704824 4704921
4704926 4705611 4705626 4705635 4705663 4705665 4705899 4705910 4705911 4705915 4705933
4705937 4705943 4705947 4705948 4705950 4705957 4705959 4705977 4706351 4714952 4734301
4751570 4761753 4761791 4775108 4809082 4809690 4819203 4902916 4915855 4925015 4927784
4930119 4940032 4981362 4986866 4997994 5025203 5043034 5060450 5064120 6186040 6208058
6289134
```

    ■ **115005-01 – SunOS 5.9_x86: ipqosconf patch**

```
4664957
```

    ■ **115011-03 – SunOS 5.9_x86: smartcard Patch**

```
4704250 4760613 4876141 6192339
```

    ■ **115013-01 – SunOS 5.9_x86: patch if_mpadm**

```
4775897 4777295
```

    ■ **115015-01 – SunOS 5.9_x86: patch ipmp lib**

```
4775897 4777295
```

    ■ **115019-07 – SunOS 5.9_x86: patch boot/solaris/devicedb/master**

```
4762213 4762217 4842652 4846753 4853683 4857098 4862529 4874857 4875743 4882541 4883298
4883302 4910722 4919285
```

    ■ **115021-03 – SunOS 5.9_x86: patch vold**

```
4794712 4817817 4895798 4903521 4905812 4961288
```

    ■ **115025-01 – SunOS 5.9_x86: patch dqblk**

```
4807983
```

■ **115027-01 – SunOS 5.9_x86: patch ml_odunit**

```
4794712
```

■ **115029-03 – SunOS 5.9_x86: quota utilities**

```
4794712 4807979 4817074 4905041 5024217
```

■ **115031-01 – SunOS 5.9_x86: file system identification utilities**

```
4794712
```

■ **115034-02 – SunOS 5.9_x86: /usr/lib/fs/ufs/df patch**

```
4794712 4800102
```

■ **115036-03 – SunOS 5.9_x86: /usr/lib/fs/ufs/mount patch**

```
4347385 4794712
```

■ **115096-01 – SunOS 5.9_x86: iconv cannot convert correctly among some Asian Locales**

```
5010003
```

■ **115114-02 – SunOS 5.9_x86: Patch for assembler**

```
4617425 4794748 4637179 4744990 4507265 4633806 4633811 4443261 4847658 4845902 4827482
4818485 4864216 4887745 4889181 4885970 4885966 4881918 4890494 4957893
```

■ **115159-08 – X11 6.6.1_x86: xscreensaver patch**

```
4841343 4838390 4849641 4871833 4818344 6237901
```

■ **115167-05 – SunOS 5.9_x86: usr/bin/cpio Patch**

```
4711504 4738687 4740813 4768749 4771017 4789757 4790357 4792482 4802626 4803461 4810827
4844489 4879536 4894077 4911399 4971255 5006405 5021475
```

■ **115168-07 – SunOS 5.9_x86: usr/lib/security/pam_krb5.so.1 patch**

```
4430138 4516537 4526202 4630574 4711993 4727224 4743181 4744280 4770661 4794436 4807010
4830044 4836676 4837278 4841013 4846024 4847827 4865664 4881066 4882946 4995543 5004688
5031562 5055875 5063407 5096445 5109147
```

■ **115178-01 – SunOS 5.9_x86: SUNWjxmft/SUNWjxcft postinstall patch**

```
4851735
```

■ **115316-02 – SunOS 5.9_x86: fixing dtlogin issues**

```
4854079
```

■ **115318-01 – SunOS 5.9_x86: usr/bin/i86/gcore Patch**

```
4832466
```

■ **115319-03 – SunOS 5.9_x86: /usr/lib/acct/acctcms Patch**

```
4701876 5040580 6200474 6227221
```

■ **115320-10 – SunOS 5.9_x86: /kernel/drv/e1000g Patch**

```
4842659 4842664 4842697 4844546 4846753 4853683 4862529 4874857 4875743 4882541 4883298
4883302 4909863 4923658 4932422 4940870 4971416 4990064 4997067 5010052 5014625 5033616
5037062 5050265 5050268 5050369 5050415 5055132 5067162 6175307 6176031 6180180 6185022
```

- **115321-01 – SunOS 5.9_x86: isa.125/ata.bef Patch**

4836662

- **115335-01 – SunOS 5.9_x86: kernel/drv/elxl Patch**

4392116 4423264 4470581 4750553 4767680 4834346 4834353

- **115337-02 – SunOS 5.9_x86: /usr/bin/tar, /usr/sbin/static/tar Patch**

4481801 4517714 4697540 4714066 4727287 4756186 4819401 4864230 4918784 4977739 5026498
5027397

- **115351-01 – SunOS 5.9_x86: ident_udfs.so.1 Patch**

4855145

- **115353-01 – SunOS 5.9_x86: elxl.bef Patch**

4791458

- **115355-01 – SunOS 5.9_x86: slpd Patch**

4471576 4767287 4837368

- **115382-01 – SunOS 5.9_x86: Japanese xlibi18n patch**

4851271

- **115427-02 – SunOS 5.9_x86: UDC localization patch**

4765005 4881642 6230779 2126785

- **115489-01 – SunOS 5.9_x86: patch /kernel/misc/busra**

4718370 4792953 4834066 4835953 4853539

- **115501-03 – SunOS 5.9: SPECIAL PATCH: For EDITABLE files**
- **115543-03 – SunOS 5.9_x86: nss_compat.so.1 patch**

4152876 4156580 4353836 4874895 5097644

- **115546-02 – SunOS 5.9_x86: nss_files.so.1 patch**

4152876 4353836 4874895

- **115547-02 – SunOS 5.9_x86: SPECIAL PATCH: For Script Files**

4853683 4857098

- **115551-03 – SunOS 5.9_x86: nss_user patch**

4152876 4353836 4874895 6235336

- **115554-19 – SunOS 5.9_x86: USB Drivers and Framework Patch**

4237764 4354427 4402400 4419540 4507408 4631151 4647358 4655789 4660846 4662300 4665811
4702501 4702930 4706244 4707437 4717238 4718437 4723993 4735031 4735465 4737194 4740677
4757590 4765718 4769577 4776340 4781283 4782292 4783855 4785916 4786786 4788315 4790678
4798619 4800029 4800123 4801046 4804860 4810230 4811758 4812935 4816509 4824054 4824763
4826171 4828972 4834143 4836298 4836606 4838235 4841489 4844296 4845179 4847936 4848295
4852863 4854629 4858443 4860534 4860753 4865592 4869166 4869326 4869362 4869396 4875818
4876234 4876900 4879738 4879741 4879799 4880227 4881576 4881577 4883138 4889441 4889499
4889600 4889606 4891054 4891058 4891604 4893834 4894475 4898083 4898174 4898176 4898852
4899551 4900383 4900900 4908469 4914341 4916009 4916643 4916848 4917711 4919248 4919251
4919260 4920655 4922683 4923069 4927543 4927648 4935335 4939237 4940092 4941082 4945141

```
4946859 4949270 4950073 4961257 4967673 4971510 4971592 4971869 4976583 4976792 4988379
4990411 4993111 4994700 4995592 5001058 5003764 5006448 5008493 5017983 5018218 5018235
5018742 5021075 5021083 5021795 5021804 5028263 5028398 5030851 5032631 5034703 5037067
5039148 5045076 5049150 5049215 5053199 5058283 5066952 5079178 5086513 5101543 5102060
6176526 6237500 6273106
```

- **115593-02 – SunOS 5.9_x86: Gnome l10n message updates and bug fixes for UR5**

```
4894688 4907339
```

- **115595-02 – SunOS 5.9_x86: Gnome l10n help updates and bug fixes for UR5**

```
4913386 4920961
```

- **115604-01 – SunOS 5.9_x86: yesstr, nostr incorrect in S9**

```
4869845 4811225
```

- **115609-01 – SunOS 5.9_x86: Japanese fonts patch**

```
4864476 4876428
```

- **115641-01 – SunOS 5.9_x86: SPECIAL PATCH Upgrade bug UR**

```
4708858
```

- **115647-01 – SunOS 5.9_x86: usr/lib/libtnfprobe.so.1 patch**

```
4654232 4803469
```

- **115652-02 – SunOS 5.9_x86: usr/lib/acct/runacct patch**

```
4383138 4853917
```

- **115655-01 – SunOS 5.9_x86: Some scalable ISO8859-7 Greek fonts are missing glyphs**

```
4750555
```

- **115664-01 – SunOS 5.9_x86: libpicldevtree.so.1 Patch**

```
4810029
```

- **115666-01 – SunOS 5.9_x86: libcpc.so.1 Patch**

```
4810029
```

- **115672-01 – SunOS 5.9_x86: usr/lib/adb/mntinfo Patch**

```
4747261
```

- **115676-02 – SunOS 5.9_x86: lgroup library Patch**

```
4845974 4863473 4880116 4912663
```

- **115678-01 – SunOS 5.9_x86:/usr/lib/ldap/idsconfig Patch**

```
4632409 4823553
```

- **115682-01 – SunOS 5.9_x86: diagcode Patch**

```
4864979
```

- **115686-01 – SunOS 5.9_x86: /sbin/netstrategy Patch**

```
4259149 4473583 4744248 4763631
```

- **115688-02 – SunOS 5.9_x86: /var/sadm/install/admin/default Patch**

```
4850925
```

■ **115690-01 – SunOS 5.9_x86: /usr/lib/patch/patchutil Patch**

```
4850925
```

■ **115694-01 – SunOS 5.9_x86: /usr/bin/last Patch**

```
1260759
```

■ **115696-01 – SunOS 5.9_x86: /usr/lib/netsvc/yp/yppush Patch**

```
4822978 4854241 4874752 4874757 4882029 4884927 4884929
```

■ **115698-02 – SunOS 5.9_x86: /usr/lib/libmtmalloc.so.1 Patch**

```
4464080 4782401 4831968 4846231 4848368 4851334 4856955 4873146 4873154 4962171
```

■ **115707-01 – SunOS 5.9_x86: init.wbem cannot register CimomService & WBEMLogServiceBean**

```
4878180
```

■ **115714-01 – CDE 1.5_x86: dtfile patch**

```
4629782
```

■ **115735-02 – GNOME 2.0.2_x86: Virtual File System Patch**

```
4858368 4871285
```

■ **115737-05 – GNOME 2.0.2_x86: Window Manager Patch**

```
4839485 4928511 4749223 4760281 6244142
```

■ **115739-04 – GNOME 2.0.2_x86: Base GUI Libraries Patch**

```
4884486 4858882 4861510 4871703 4875424 5103573
```

■ **115741-02 – GNOME 2.0.2_x86: Print Technology Patch**

```
4909213 4879252 4901967
```

■ **115743-02 – GNOME 2.0.2_x86: File Search Tool Patch**

```
4909213 4858420
```

■ **115745-01 – SunOS 5.9_x86: SPECIAL PATCH: For editable files only**

```
4733324
```

■ **115755-02 – SunOS 5.9_x86: zlib security Patch**

```
4822658 4870078
```

■ **115794-01 – SunOS 5.9_x86: CDE Localization message patch**

```
4869761
```

■ **115800-01 – SunOS 5.9_x86: WBEM/WBEM SDK Localization package pkginfo patch**

```
4760092
```

■ **115801-02 – SunOS 5.9_x86: Bug fix for xscreensaver message and dtlogin locale locales**

```
4898929
```

- **115813-02 – GNOME 2.0.2_x86: Dtlogin Integration Patch**

4866734 4765131

- **115836-01 – SunOS 5.9_x86: Ghostscript patch**

4795491

- **115848-01 – SunOS 5.9_x86: usr/bin/admintool Patch**

4889623

- **115874-04 – SunOS 5.9_x86: /kernel/misc/scsi Patch**

4883142 5027030 5041567 6178851

- **115875-01 – SunOS 5.9_x86:/kernel/drv/ncrs Patch**

4823893

- **115879-01 – SunOS 5.9_x86: /usr/bin/logger Patch**

4859519 4874048

- **115880-01 – SunOS 5.9_x86: /usr/bin/uucp Patch**

4756979 4804089

- **115903-01 – SunOS 5.9_x86: czech monetary and collation incorrect**

4637202 4908698

- **115905-02 – SunOS 5.9_x86: mexican monetary incorrect**

4907747

- **115907-01 – SunOS 5.9_x86: catalan day incorrect**

4898546

- **115913-01 – SunOS 5.9_x86: en_CA: yesstr and nostr are in french**

4897658

- **115921-01 – SunOS 5.9_x86: CDE 1.5 help patch**

4892024

- **115927-11 – SunOS 5.9_x86: NSPR 4.1.6 / NSS 3.3.11 / JSS 3.1.6**

4885952 4886464 4888311 4903564 4933535 4945089 4972840 4991529 5004563 5011517 5016498
5016209 4877287 5044857 5009031 4961743 5069683 5083437 6231147 6200096 5084798 2125283
2125284

- **115937-01 – SunOS 5.9_x86: Bug fix for Korean translation**

4904741

- **115950-05 – SunOS 5.9_x86: UDC patch**

4899738 4934214 4963466 6230779 2126785 4765005

- **115959-01 – GNOME 2.0.2_x86: Help Database Patch**

4880052

- **115965-01 – GNOME 2.0.2_x86: texteditorshare Patch**

4901967

■ **115967-01 – GNOME 2.0.2_x86: Terminal emulator Patch**

4901967

■ **115969-01 – GNOME 2.0.2_x86: Performance meter Patch**

4901967

■ **115971-01 – GNOME 2.0.2_x86: Panel Applets Utility Patch**

4901967

■ **115973-03 – CDE 1.5_x86: dtterm libDtTerm patch**

4822385 4969514

■ **115975-01 – GNOME 2.0.2_x86: User documentation Patch**

4901967

■ **115987-02 – SunOS 5.9_x86: usr/bin/i86/ptree patch**

4757218 4912227

■ **115993-01 – SunOS 5.9_x86: /usr/include/limits.h Patch**

4731122

■ **116007-01 – GNOME 2.0.2_x86: Libraries Patch**

4875223 4905797

■ **116013-02 – SunOS 5.9_x86: ps utility patch**

4519180 4706669 4785109

■ **116015-02 – SunOS 5.9_x86: usr/sbin/usermod patch**

4742154 5027247

■ **116017-01 – SunOS 5.9_x86: usr/sbin/logadm patch**

4763519

■ **116018-02 – SunOS 5.9_x86: in.ndpd patch**

4728204 4837086 4907462

■ **116044-03 – SunOS 5.9_x86: krbv5 Patch**

4836676 4837278 4955217

■ **116045-01 – SunOS 5.9_x86: krbv5 Patch (krb5kdc)**

4836676

■ **116046-07 – SunOS 5.9_x86: krbv5 Patch (libkadm5srv.so.1)**

4836676 4837278 5110105 6209960

■ **116050-01 – SunOS 5.9_x86: fdfs Patch**

4865731

■ **116052-02 – SunOS 5.9_x86: fssnap Patch**

4670300 4681464

■ **116053-02 – SunOS 5.9_x86: autofs Patch**

```
4865731 5070448
```

- **116085-01 – X11 6.6.1_x86: font patch**

```
4857041
```

- **116091-12 – SunOS 5.9_x86: SPECIAL PATCH: For EDITABLE Files**

```
4503182 4650565 4686454 4845882 4865207 4929493 4963408 4904906 4989739 4994031
```

- **116093-06 – SunOS 5.9_x86: SPECIAL PATCH: For Script Files**
- **116106-04 – X11 6.6.1_x86: FreeType patch**

```
4795241 4939829 5060847 5067065 5037640
```

- **116120-01 – SunOS 5.9_x86: CDE Localization message patch**

```
4866067
```

- **116158-01 – SunOS 5.9_x86: SPECIAL PATCH: For CDE Package CAS Scripts**

```
4822385
```

- **116175-03 – SunOS 5.9_x86: pam_krb5 Patch**

```
4727188 4810632 4831653 4838735
```

- **116179-01 – SunOS 5.9_x86: libcrypt Patch**

```
4751585 4840237
```

- **116181-01 – SunOS 5.9_x86: iconv patch**

```
4908670
```

- **116182-03 – SunOS 5.9_x86: network Patch**

```
4773326 4865207 4929493
```

- **116230-01 – SunOS 5.9_x86: libgen Patch**

```
4840237
```

- **116232-02 – SunOS 5.9_x86: llc2 Patch**

```
4828919 4841523 4949336
```

- **116238-01 – SunOS 5.9_x86: pfexec Patch**

```
4925561
```

- **116242-01 – SunOS 5.9_x86: keysock Patch**

```
4730920
```

- **116244-01 – SunOS 5.9_x86: umountall Patch**

```
4687955 4761847 4874083
```

- **116246-01 – SunOS 5.9_x86: uncompress Patch**

```
4668687 4914361
```

- **116248-01 – SunOS 5.9_x86: audit_warn Patch**

```
4503182 4650565 4845882
```

- **116250-01 – SunOS 5.9_x86: CDE Localization message patch**

```
4932022
```

- **116297-17 – Sun One Application Server 7.0_x86: Java Activation Framework Patch**

```
5063854 5033159 5021054 5015561 5025894 5017695 5034880 5039545 5043376 5057723 6181948
4724728 4734337 4744128 4761151 4776091 4811431 4818853 4819412 4830338 4840324 4849368
4849513 4851218 4853543 4860400 4861767 4861948 4862994 4869664 4870233 4872948 4876672
4884552 4886253 4886683 4888612 4890613 4892587 4893954 4895814 4902210 4904100 4904764
4907283 4909380 4909796 4910686 4913290 4913458 4914362 4917206 4921551 4922884 4923230
4925548 4926581 4926972 4928341 4930027 4930986 4931379 4933997 4937416 4937667 4938319
4942044 4942341 4942381 4947231 4947756 4949245 4949318 4950035 4954609 4955404 4957162
4958393 4958395 4962225 4962418 4965713 4965815 4969036 4969425 4972432 4972796 4976025
4976401 4976502 4978068 4978369 4978647 4980136 4980660 4982525 4987217 4987274 4991198
4991659 4992275 4994366 4997113 5003309 5004406 5005643 5005653 5013767 5017630 5017895
5021585 5021712 5022904 5022976 5024804 5029014 5049159 5056917 5063790 6067367 6088593
6092475 6092499 6152742 6155154 6155446 6156869 6197275
```

- **116299-17 – Sun One Application Server 7.0_x86: Java API for XML Parsing 1.2 Patch**

```
5063854 5033159 5021054 5015561 5025894 5017695 5034880 5039545 5043376 5057723 6181948
4724728 4734337 4744128 4761151 4776091 4811431 4818853 4819412 4830338 4840324 4849368
4849513 4851218 4853543 4860400 4861767 4861948 4862994 4869664 4870233 4872948 4876672
4884552 4886253 4886683 4888612 4890613 4892587 4893954 4895814 4902210 4904100 4904764
4907283 4909380 4909796 4910686 4913290 4913458 4914362 4917206 4921551 4922884 4923230
4925548 4926581 4926972 4928341 4930027 4930986 4931379 4933997 4937416 4937667 4938319
4942044 4942341 4942381 4947231 4947756 4949245 4949318 4950035 4954609 4955404 4957162
4958393 4958395 4962225 4962418 4965713 4965815 4969036 4969425 4972432 4972796 4976025
4976401 4976502 4978068 4978369 4978647 4980136 4980660 4982525 4987217 4987274 4991198
4991659 4992275 4994366 4996111 4997113 5003309 5004406 5005643 5005653 5013767 5017630
5017895 5021585 5021712 5022904 5022976 5024804 5029014 5049159 5056917 5063790 6067367
6088593 6092475 6092499 6152742 6155154 6155446 6156869 6197275
```

- **116301-17 – Sun One Application Server 7.0_x86: Java Mail Runtime Patch**

```
5063854 5033159 5021054 5015561 5025894 5017695 5034880 5039545 5043376 5057723 6181948
4724728 4734337 4744128 4761151 4776091 4811431 4818853 4819412 4830338 4840324 4849368
4849513 4851218 4853543 4860400 4861767 4861948 4862994 4869664 4870233 4872948 4876672
4884552 4886253 4886683 4888612 4890613 4892587 4893954 4895814 4902210 4904100 4904764
4907283 4909380 4909796 4910686 4913290 4913458 4914362 4917206 4921551 4922884 4923230
4925548 4926581 4926972 4928341 4930027 4930986 4931379 4933997 4937416 4937667 4938319
4942044 4942341 4942381 4947231 4947756 4949245 4949318 4950035 4954609 4955404 4957162
4958393 4958395 4962225 4962418 4965713 4965815 4969036 4969425 4972432 4972796 4976025
4976401 4976502 4978068 4978369 4978647 4980136 4980660 4982525 4987217 4987274 4991198
4991659 4992275 4994366 4996111 4997113 5003309 5004406 5005643 5005653 5013767 5017630
5017895 5021585 5021712 5022904 5022976 5024804 5029014 5049159 5056917 5063790 6067367
6088593 6092475 6092499 6152742 6155154 6155446 6156869 6197275
```

- **116309-01 – CDE 1.5_x86: libDtHelp patch**

```
4930117
```

- **116335-01 – SunOS 5.9_x86: kanji command patch**

```
4928656
```

- **116341-03 – SunOS 5.9_x86: gzip and Freeware info files patch**

```
4793452 5069958
```

- **116454-02 – SunOS 5.9_x86: sadmind patch**

```
4079984
```

■ **116473-02 – SunOS 5.9_x86: rmformat Patch**

```
4285600 4362287 4776340 4778681 4983588 5028534 6181228
```

■ **116475-04 – SunOS 5.9_x86: libsmedia Patch**

```
4776340 5006093 6240296
```

■ **116477-01 – SunOS 5.9_x86: pcic Driver Patch**

```
4776340
```

■ **116479-01 – SunOS 5.9_x86: vi Patch**

```
4349324
```

■ **116483-01 – SunOS 5.9_x86: BSC comms support Patch**

```
4855020 4783538 4904300 4717667
```

■ **116487-01 – SunOS 5.9_x86: libdevice Patch**

```
4945141
```

■ **116491-01 – SunOS 5.9_x86: acctdusg Patch**

```
4411999 4897608
```

■ **116497-01 – SunOS 5.9_x86: fdc Patch**

```
4956133
```

■ **116499-02 – SunOS 5.9_x86: bufmod Patch**

```
4875506 5101653
```

■ **116501-01 – SunOS 5.9_x86: SVM auto-take disksets Patch**

```
4871258
```

■ **116503-02 – SunOS 5.9_x86: mountd Patch**

```
4745909 4817833 4898991
```

■ **116504-01 – SunOS 5.9_x86: unix.so Patch**

```
4818672 4860211 4860744
```

■ **116507-02 – SunOS 5.9_x86: traceroute patch**

```
4837086 4902275
```

■ **116508-01 – SunOS 5.9_x86: sulogin Patch**

```
4960245
```

■ **116509-01 – SunOS 5.9_x86: dis Patch**

```
4783204 4893562 4951000 4955607 4955609 4955616 4955622 4961699
```

■ **116511-01 – SunOS 5.9_x86: wscons Patch**

```
4966145
```

■ **116526-01 – SunOS 5.9_x86: change boot messages from Intel to x86**

```
4799406
```

■ **116528-01 – SunOS 5.9_x86: timod Patch**

4924525

■ **116531-04 – SunOS 5.9_x86: bge.conf Patch**

4978610 4986433 5057166

■ **116535-01 – SunOS 5.9_x86: volume-command Patch**

4966463

■ **116539-03 – SunOS 5.9_x86: SUNW_disk_link.so Patch**

4334693 4622990 4716238 5005820 6177814

■ **116544-03 – SunOS 5.9_x86: vmstat Patch**

4871277 5047837 6284248

■ **116547-03 – SunOS 5.9_x86: CDRW DVD-RW DVD+RW Patch**

4839581 4845620 4982556 5004884 5008897 5038057 5039437 5052888 5106372 6178838 6194995

■ **116549-01 – SunOS 5.9_x86: ar Patch**

4987898

■ **116553-01 – SunOS 5.9_x86: su Patch**

4026556

■ **116637-01 – SunOS 5.9_x86: Symlinks for fr_BE and es gnome l10n support**

4921134

■ **116664-01 – SunOS 5.9_x86: ntpdate Patch**

4727171 5021867

■ **116666-04 – SunOS 5.9_x86: bge Patch**

4892667 4904300 4904906 4950181 4960780 4963408 4991238 5085824

■ **116667-02 – SunOS 5.9_x86: raidctl Patch**

5003068 5012666 5025956 5031720 5033191

■ **116675-05 – GNOME 2.0.2_x86: File Manager Patch**

4860816 4955976 4874903 5048025 4789033

■ **116756-01 – SunOS 5.9_x86: usr/snadm/lib/libadmutil.so.2 Patch**

4868757 4904083

■ **116769-01 – SUNOS 5.9_x86: s9ur, EMEA euro locale decimal fixes**

4960935

■ **116775-03 – SunOS 5.9_x86: ping Patch**

4807715 4837086 4902275

■ **116777-01 – SunOS 5.9_x86: mipagent patch**

4837086

■ **116779-01 – SunOS 5.9_x86: /usr/lib/inet/in.ripngd patch**

```
4837086
```

- **116808-01 – SunOS 5.9_x86: patch usr/sadm/lib/smc/lib/preload/jsdk21.jar**

```
4947668
```

- **116847-03 – SunOS 5.9_x86: SCRIPT patch**
- **116908-06 – SunOS 5.9_x86: adpu320 Driver Patch**

```
4894604 4920366 4929931 4933078 4937387 4939202 4947770 4950375 4950383 4959941 4992167
5082429
```

- **117068-01 – SunOS 5.9_x86: awk nawk oawk Patch**

```
1239581 4836376 4896779 4900365 4955130
```

- **117072-01 – SunOS 5.9_x86: memory leak in llc1_ioctl()**

```
4713774
```

- **117115-02 – CDE 1.5_x86: sdtwebclient patch**

```
4834610 5010600
```

- **117122-01 – SunOS 5.9_x86: ata Driver Patch**

```
4973240
```

- **117133-01 – SunOS 5.9_x86: cachefsstat Patch**

```
4256677
```

- **117135-01 – SunOS 5.9_x86: svm flasharchive patch**

```
4838219
```

- **117139-01 – SunOS 5.9_x86: seg_spt.h patch**

```
4477936
```

- **117144-01 – SunOS 5.9_x86: xntpd Patch**

```
4892938
```

- **117153-01 – SunOS 5.9_x86: magic Patch**

```
5046669
```

- **117161-01 – SunOS 5.9_x86: /kernel/misc/krtld patch**

```
4983758
```

- **117163-01 – SunOS 5.9_x86: patch usr/src/uts/common/sys/cpc_impl.h**

```
4943059 4948972
```

- **117164-02 – SunOS 5.9_x86: Metropolis header file patch**

```
4630734 4830628 4853971 4861945 4878802 4894477 4974557 5047955 5059254 5063493 5070270
5103909 6203928
```

- **117169-02 – SunOS 5.9_x86: mpstat Patch**

```
5026628 5075341
```

- **117172-17 – SunOS 5.9_x86: Kernel Patch**

```
4025675 4044295 4115610 4138139 4166409 4167478 4201022 4203748 4254013 4259149 4330959
4334693 4336082 4349828 4352265 4353832 4354427 4357217 4368576 4371826 4375052 4377827
```

```
4390777 4401262 4407669 4407972 4412320 4413261 4419540 4445394 4456383 4457028 4465488
4466741 4466818 4469395 4473026 4473583 4475612 4477936 4490164 4491038 4498182 4499864
4501255 4504686 4509659 4519102 4520669 4520944 4531028 4531029 4533712 4614574 4617247
4622990 4627620 4628670 4630273 4631275 4632219 4632750 4638166 4639871 4640282 4640982
4641562 4643312 4647351 4647549 4647683 4647684 4648917 4649104 4653044 4653899 4653957
4657510 4659777 4659882 4660167 4662762 4662866 4663297 4664740 4664957 4664967 4666858
4667688 4667724 4671383 4671440 4672604 4672991 4675868 4676143 4676535 4680195 4683862
4686454 4687850 4688063 4688392 4688398 4688704 4689309 4692082 4693464 4694560 4695568
4695786 4697693 4698684 4699850 4700697 4701242 4705144 4706477 4706727 4708464 4708822
4711013 4711164 4712882 4712958 4713403 4714062 4714688 4715897 4716210 4716238 4716320
4718013 4718565 4721112 4721124 4722897 4723351 4723473 4724465 4725193 4725195 4725286
4725574 4728819 4729683 4730464 4731122 4732828 4733462 4735093 4735135 4736439 4736706
4736802 4737656 4737760 4740300 4740766 4740769 4741112 4742711 4742715 4744248 4745039
4745590 4747261 4747307 4747714 4748411 4748843 4749268 4749542 4749669 4750749 4754201
4756472 4757140 4757311 4757427 4757685 4759341 4761401 4762697 4763047 4763130 4763284
4763402 4763631 4763813 4764351 4764855 4767357 4768760 4769472 4769739 4770236 4770487
4771216 4772200 4772712 4772797 4772813 4773186 4773620 4773958 4774462 4775225 4776340
4777791 4778984 4779457 4781213 4781568 4782709 4783204 4783931 4784039 4784529 4784977
4785044 4785304 4785321 4785875 4786613 4788230 4788692 4788766 4788885 4789213 4789964
4790941 4791734 4793178 4793485 4794501 4794712 4795329 4795674 4796134 4796430 4796648
4797520 4797833 4797841 4797967 4798095 4799039 4799057 4799331 4802549 4802594 4802646
4802915 4803148 4803293 4803645 4804998 4805135 4805352 4805889 4806695 4807979 4807983
4808240 4808811 4809341 4809406 4809427 4809551 4810364 4810810 4812495 4815160 4816496
4816970 4817074 4817079 4818293 4818300 4818672 4819240 4820199 4820268 4820811 4821560
4821833 4822207 4824988 4825181 4825299 4826792 4827119 4827409 4828108 4828704 4829272
4829413 4829570 4829732 4831997 4832963 4833129 4833724 4833860 4835739 4836575 4837378
4838049 4838367 4839059 4839726 4839900 4840464 4841716 4842738 4844839 4844927 4845277
4845500 4845974 4846022 4846355 4846951 4847803 4849433 4849610 4850672 4851366 4852269
4852381 4853044 4854408 4854496 4854791 4854840 4854928 4855160 4855271 4856084 4856452
4857394 4857792 4857986 4858518 4858600 4858604 4859426 4859427 4860183 4860211 4860744
4860789 4860955 4860976 4863460 4863473 4865731 4865856 4865982 4866439 4866453 4866849
4867775 4869170 4870452 4870519 4870969 4872125 4872213 4874096 4874549 4875077 4875773
4875778 4875916 4876225 4876829 4878077 4878795 4878873 4879595 4880098 4880360 4880986
4881707 4883107 4884138 4884410 4885266 4888423 4888712 4889619 4889692 4891129 4891218
4891731 4892034 4893015 4893310 4893562 4893666 4895891 4896149 4896336 4897659 4899147
4899933 4900694 4902715 4903465 4903724 4904300 4904650 4904733 4905669 4905701 4906621
4908624 4912731 4914079 4914143 4915531 4915782 4916342 4918452 4919172 4921227 4921637
4921968 4926980 4927647 4927915 4928612 4932237 4932305 4934929 4935076 4935283 4935561
4936678 4939432 4941431 4941742 4941930 4942663 4943059 4944039 4944406 4945167 4945272
4945997 4946459 4946473 4946815 4948494 4948972 4951000 4951784 4953382 4955607 4955609
4955616 4955622 4957434 4958313 4959637 4961699 4963688 4963771 4964867 4966428 4967150
4969291 4969605 4970333 4971869 4974963 4975228 4975330 4975802 4977677 4977769 4978326
4978493 4979763 4979936 4980989 4984037 4984058 4984625 4985055 4987169 4989739 4991625
4992165 4994031 4996240 4998030 4998060 4998625 4999223 5002279 5003760 5004305 5009586
5009814 5010909 5013599 5015366 5016684 5016808 5017148 5018661 5021165 5021574 5025728
5026502 5026824 5027222 5028003 5028398 5028438 5030655 5035198 5036234 5040128 5040306
5042248 5047955 5050686 5054052 5057056 5059500 5059920 5064001 5076694 5077968 5082540
5084344 5085818 5092221 5093165 6174905 6205103 6210001
```

- **117174-03 – SunOS 5.9_x86: audio810 patch**

```
4989107 5071616 5100955 6234157 6252550
```

- **117178-01 – SunOS 5.9_x86: /usr/lib/gss/mech_dh.so.1 Patch**

```
4807010
```

- **117185-01 – GNOME 2.0.2_x86: GNOME panel and support libraries Patch**

```
4982661
```

■ **117187-02 – GNOME 2.0.2_x86: GNOME Virtual File System Framework Patch**

```
4944784 5068240
```

■ **117202-09 – X11 6.6.1_x86: st patch**

```
4959585 5030512 5048581 5054000 5054083 5054770 5049175 5061404 5063909 4997203 5064804
5067089 5048680 5067795 5065960 5071005 5070541 5069220 5070941 5071007 5072097 5072207
5049419 5079484 5037640 5102370 5104693
```

■ **117204-05 – X11 6.6.1_x86: fontconfig patch**

```
4983354 5028919 5011380 5036458 5065960 5072172
```

■ **117257-01 – SunOS 5.9_x86: Remove old OW Xresources.ow files**

```
5016219
```

■ **117281-03 – SunOS 5.9_x86: SPECIAL PATCH: For EDITABLE Files**

```
4531894 4773326 4986433 5057166
```

■ **117283-04 – SunOS 5.9_x86: SPECIAL PATCH: For Script Files**

```
5058283
```

■ **117401-01 – SunOS 5.9_x86: ISO8859-6 and ISO8859-8 iconv symlinks**

```
4928164
```

■ **117414-01 – SunOS 5.9_x86: Put in correct Slovakian currency symbol**

```
5012564
```

■ **117417-01 – SunOS 5.9_x86: consms patch**

```
4718437
```

■ **117419-02 – SunOS 5.9_x86: wheel mouse support vuid Patch**

```
4979343 4994473 5012779
```

■ **117421-02 – SunOS 5.9_x86: oban ardbeg MDB Patch**

```
4531894 5037365
```

■ **117432-01 – SunOS 5.9_x86: nss_nis Patch**

```
4644308
```

■ **117442-01 – SunOS 5.9_x86: FSSdispadmin Patch**

```
4977407
```

■ **117444-01 – SunOS 5.9_x86: libkvm Patch**

```
5078943
```

■ **117446-01 – SunOS 5.9_x86: newgrp patch**

```
4705393
```

■ **117451-01 – SunOS 5.9_x86: ds_SUNWnisplus Patch**

```
5030069 5057130
```

■ **117454-01 – SunOS 5.9_x86: libwrap Patch**

```
4967563
```

■ **117456-02 – SunOS 5.9_x86: in.rwhod Patch**

```
4705157
```

■ **117458-01 – SunOS 5.9_x86: elfexec Patch**

```
6175381
```

■ **117460-01 – SunOS 5.9_x86: rti Patch**

```
5074404
```

■ **117468-06 – SunOS 5.9_x86: nfs patch**

```
4716413 4747261 4757427 4759341 4837285 4837290 4852269 4901380 4960336 4976875 5002826
5011676 5083133 5105010 6277307
```

■ **117469-03 – SunOS 5.9_x86: c2audit Patch**

```
4685545 4959077 5076801 5082875 6192370 6260039
```

■ **117470-03 – SunOS 5.9_x86: tcp Patch**

```
4846184 5089150 5094229
```

■ **117472-02 – SunOS 5.9_x86: fifofs Patch**

```
5036875 5098322
```

■ **117474-01 – SunOS 5.9_x86: fwtmp Patch**

```
6180974
```

■ **117475-01 – SunOS 5.9_x86: gld Patch**

```
5052933
```

■ **117476-06 – SunOS 5.9_x86: ufs Patch**

```
4587617 4936030 4949500 5014326 5027393 5044486 5106803 6187076 6205337
```

■ **117478-01 – SunOS 5.9_x86: vol Patch**

```
4349871 4857372 4906902 4907085 4940964 5006301 5073105 5073109 5073158 5073172
```

■ **117481-01 – SunOS 5.9_x86: pkgadd Patch**

```
6202830
```

■ **117482-01 – SunOS 5.9_x86: c2audit Patch**

```
5012065
```

■ **117484-03 – SunOS 5.9_x86: pcfs Patch**

```
4898397 5047630 5065397 6180557
```

■ **117486-01 – SunOS 5.9_x86: fn_ctx_x500.so.1 Patch**

```
4807798
```

■ **117489-01 – SunOS 5.9_x86: printmgr Localization message patch**

```
5033604
```

■ **117559-02 – SunOS 5.9_x86: Microtasking libraries (libmtsk) patch**

```
4822965 4877490 4915962 5087100 5087277 5087628 5089382 5091653 5092014 5092233 5094879
5096814 5098026 5098139 5102871 5104020 5106203 5106490 5107215 5109620 6177038 6190879
6192978 6204867 6206169 6210378 6203445 6198156
```

- **117578-03 – X11 6.6.1_x86: Truetype fonts patch**

```
5033155 5074803
```

- **117591-04 – SunOS 5.9_x86: Bug fixes for Locale Administrator**

```
5032377 5046046 5070441 5074113 5067857 5052631 5075710
```

- **117594-04 – SunOS 5.9_x86: Manual Page updates for Solaris 9**

```
5042752 5050045 5050605 5064171
```

- **117596-03 – SunOS 5.9_x86: Manual Page updates for Solaris 9**

```
5027915 5029671 5029685 5029691 5041575 5043813 5015497 5041574 5057158
```

- **117602-01 – X11 6.6.1_x86: libowconfig.so.0 patch**

```
5028599
```

- **117633-01 – CDE1.5_x86: sun_at patch for Solaris 9**

```
4839620
```

- **117660-01 – SunOS 5.9_x86: Wnn6 set_fi_user_dic set Error on local path option**

```
5038089
```

- **117664-02 – X11 6.6.1_x86: xwd patch**

```
4763759 6183403
```

- **117683-03 – SunOS 5.9_x86: gnu a2ps espgs foomatic print filter patch**

```
5045800 5046739 5060316
```

- **117714-06 – SunOS 5.9_x86: Sun GigaSwift Ethernet 1.0 driver patch**

```
5054332 5034126 5004020 4993010 4828534 5052253 5056005 5065648 5070824 5074196 5079552
5076202 5008297 5090320 5099378 6205539 6204150 6199118 6187030 5097913
```

- **117729-01 – CDE1.5_x86: dthello patch**

```
5034913
```

- **117754-01 – SunOS 5.9_x86: SCRIPT patch**
- **117808-02 – SunOS 5.9_x86: vlan driver patch**

```
5065648 5074196
```

- **118065-04 – SunOS 5.9_x86: Admin Install Project Manager Client Patch**

```
4851840 4937907 5083192
```

- **118068-01 – CDE 1.5_x86: sdtname patch**

```
5033417
```

- **118192-01 – SunOS 5.9_x86: gtar patch**

```
5069958
```

- **118194-01 – SunOS 5.9_x86: gtar source patch**

```
5069958
```

■ **118261-01 – GNOME 2.0.2_x86: GNOME configuration framework Patch**

`5082453`

■ **118301-02 – X11 6.6.1_x86: libXpm patch**

`5077952 5082323 6196754 6231515 6241936`

■ **118341-01 – SunOS 5.9_x86: kernel/drv/mpt.conf Patch**

`5088355`

■ **118365-01 – SunOS 5.9_x86: iprb Driver Patch**

`4727020`

■ **118414-02 – SunOS 5.9_x86: Project Manager Localization message patch**

`6180563 6207707`

■ **118462-01 – SunOS 5.9_x86: modload Utils Patch**

`4719453`

■ **118464-01 – SunOS 5.9_x86: du Patch**

`5068958`

■ **118466-02 – SunOS 5.9_x86: rcm_daemon Patch**

`4655205 4775771 4836686 4847585 4856242 4976595 5048956 5083865`

■ **118473-01 – SunOS 5.9_x86: pargs Patch**

`4878757`

■ **118536-02 – SunOS 5.9_x86: sh/jsh/rsh/pfsh Patch**

`4498084 5045556`

■ **118559-11 – SunOS 5.9_x86: Kernel Patch**

```
4117562 4503704 4630734 4677371 4731122 4743493 4761647 4764927 4788465 4807473 4808240
4830628 4853044 4853971 4861945 4878802 4894477 4912357 4923037 4946504 4946686 4947970
4951784 4974557 4979787 4983884 4994422 4998275 5047955 5059254 5062387 5063493 5065051
5070270 5084503 5103805 5103909 6199548 6203464 6203928 6209411 6210881 6228203 6231065
6239011
```

■ **118587-01 – SunOS 5.9_x86: cp/mv/ln Patch**

`5015406`

■ **118619-01 – NSS for Java (JSS) 3.1.2.3 SunOS 5.8_x86 5.9_x86: genesis patch**

■ **118760-01 – X11 6.6.1_x86: Font Administration Tools patch**

`6203719`

■ **119431-01 – SunOS 5.9_x86: mpt Patch**

```
4961578 4966373 4979731 4995744 5006842 5011103 5012334 5012666 5025959 5025968 5027427
5036234 5037923 5039202 5041985 5057101 5063140 6178457 6197861 6204621 6207276
```

■ **119434-01 – SunOS 5.9_x86: telnet**

`6234932`

■ **119435-04 – SunOS 5.9_x86: ip Patch**

```
4658177 4963675 6212756 6235832
```

- **119439-02 – SunOS 5.9_x86:**

```
5061331 6214620
```

- **119440-01 – SunOS 5.9_x86: usr/bin/login Patch**

```
6179000
```

- **119443-02 – SunOS 5.9_x86: kernel/drv/sd Patch**

```
5023670 6249580
```

- **119446-01 – SunOS 5.9_x86: arp Patch**

```
6214946
```

- **119450-01 – SunOS 5.9_x86: Perl Patch**

```
4951799
```

- **119495-01 – SunOS 5.9_x86: mkisofs patch**

```
5104326
```

- **119902-01 – Openwindows 3.7.0_x86: Xview Patch**

```
4459703 4690979
```

- **119930-01 – SunOS 5.9_x86: xargs sometimes strips quote characters from input**

```
6203159
```

- **119938-01 – SunOS 5.9_x86: SPECIAL PATCH: For Script Files**

```
6237500
```

- **119977-01 – CDE 1.5_x86: dtterm patch**

```
6219941
```

- **120193-01 – SunOS 5.9_x86: SPECIAL PATCH: For EDITABLE Files**

```
4531894 4773326 4986433 5057166 5057101 5085824
```

- **120238-01 – SunOS 5.9_x86:**

```
6245090
```