



Solaris 10 6/06 Release Notes



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Preface

This document describes the Solaris 10 6/06 operating system. For information about the Solaris 10 3/05, Solaris 10 3/05 HW1, Solaris 10 3/05 HW2, and Solaris 10 1/06, see the “Solaris 10 Release Notes”, Sun part number 817–0552–17.

The *Solaris 10 6/06 Release Notes* contain installation and runtime problem details. Also included are end-of-software support statements for the Solaris™ 10 Operating System.

Note – This Solaris release supports systems that use the SPARC® and x86 families of processor architectures: UltraSPARC®, SPARC64, AMD64, Pentium, and Xeon EM64T. The supported systems appear in the *Solaris 10 Hardware Compatibility List* at <http://www.sun.com/bigadmin/hcl>. This document cites any implementation differences between the platform types.

In this document the term “x86” refers to 64-bit and 32-bit systems manufactured using processors compatible with the AMD64 or Intel Xeon/Pentium product families. For supported systems, see the *Solaris 10 Hardware Compatibility List*.

Who Should Use This Book

These notes are for users and system administrators who install and use the Solaris 10 software.

Related Books

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

- Java Desktop System Release 3 Solaris 10 Collection
- *Solaris 10 Start Here* card
- *Solaris 10 Installation Guide: Basic*
- *Solaris 10 Installation Guide: Network-Based Installations*
- *Solaris 10 Installation Guide: Solaris Live Upgrade and Upgrade Planning*
- *Solaris 10 Installation Guide: Advanced, JumpStart, Solaris Flash Archives and RAID-1 Volumes*
- *Solaris 10 System Administrator Collection*

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 Sun Hardware Platform Guide*, for hardware-specific installation instructions.

Third-Party Web Site References

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

Note – Sun is not responsible for the availability of third-party web sites mentioned in this document. Sun does not endorse and is not responsible or liable for any content, advertising, products, or other material on or available from such sites or resources. Sun will not be responsible or liable for any damage or loss caused or alleged to be caused by or in connection with use of or reliance on any such content, goods, or services that are available on or through any such sites or resources.

Documentation, Support, and Training

The Sun web site provides information about the following additional resources:

- [Documentation](http://www.sun.com/documentation/) (<http://www.sun.com/documentation/>)
- [Support](http://www.sun.com/support/) (<http://www.sun.com/support/>)
- [Training](http://www.sun.com/training/) (<http://www.sun.com/training/>)

Typographic Conventions

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

TABLE P-1 Typographic Conventions

Typeface	Meaning	Example
AaBbCc123	The names of commands, files, and directories, and onscreen computer output	Edit your <code>.login</code> file. Use <code>ls -a</code> to list all files. <code>machine_name% you have mail.</code>
AaBbCc123	What you type, contrasted with onscreen computer output	<code>machine_name% su</code> <code>Password:</code>

TABLE P-1 Typographic Conventions (Continued)

Typeface	Meaning	Example
<i>aabbcc123</i>	Placeholder: replace with a real name or value	The command to remove a file is <i>rm filename</i> .
<i>AaBbCc123</i>	Book titles, new terms, and terms to be emphasized	Read Chapter 6 in the <i>User's Guide</i> . <i>A cache</i> is a copy that is stored locally. Do <i>not</i> save the file. Note: Some emphasized items appear bold online.

Shell Prompts in Command Examples

The following table shows the default UNIX® system prompt and superuser prompt for the C shell, Bourne shell, and Korn shell.

TABLE P-2 Shell Prompts

Shell	Prompt
C shell	machine_name%
C shell for superuser	machine_name#
Bourne shell and Korn shell	\$
Bourne shell and Korn shell for superuser	#

Installation Issues

This chapter describes problems that relate to the installation of the Solaris 10 Operating System.

Note – Some of the issues and bugs in this chapter have been fixed in subsequent Solaris 10 releases. If you have upgraded your Solaris software, certain issues and bugs in this chapter might no longer apply. To see which bugs and issues no longer apply to your specific Solaris 10 software, refer to [Appendix A](#).

General Information

This section provides general information such as behavior changes in Solaris 10 OS.

New Minimum Memory Requirement

Beginning with the Solaris 10 1/06 release, all x86 based systems must now have at least 256 Mbytes of RAM to run the Solaris software.

Changes in Upgrade Support for Solaris Releases

Starting with the Solaris 10 1/06 release, you can upgrade the Solaris OS only from the following releases:

- Solaris 8 OS
- Solaris 9 OS
- Solaris 10 OS

To upgrade releases previous to the Solaris 8 software to the Solaris 10 1/06 software, upgrade to any of the releases in the preceding list first. Then upgrade to the Solaris 10 1/06 release.

Support for Products Not Part of the Solaris OS

Although the Solaris 10 software has been tested for compatibility with previous releases, some third-party applications might not be fully ABI compliant. Contact the supplier of these applications directly for information about compatibility.

Your system might run both a Solaris OS and other products that are not part of the Solaris software. These products might be supplied by either Sun or another company. If you upgrade this system to the Solaris 10 release, make sure that these other products are also supported on the Solaris 10 OS. Depending on the status of each of these products, you can perform one of the following options:

- Verify that the existing version of the product is supported on the Solaris 10 software.
- Install a new version of the product that is supported on the Solaris 10 release. You might need to remove the previous version of the product prior to upgrading to the Solaris software. See the product documentation for more details.
- Remove the product prior to upgrading to the Solaris 10 software.

Before You Begin

This section contains critical installation issues that you need to be aware of before installing or upgrading to Solaris 10 OS. These issues might have an impact that would prevent installation or upgrades from completing successfully. If bugs in this section apply to your system, you might need to perform the recommended workarounds before you install or upgrade.

Installation Change for the Solaris Companion DVD

When you are installing the Solaris OS, the Companion DVD is not available to be installed with the Solaris installation program. Use the `pkgadd(1M)` command to install the Solaris Companion DVD. For detailed installation instructions, see the README file on the Companion DVD.

Solaris Live Upgrade and Solaris Zones

Using Solaris Live Upgrade in conjunction with Solaris zones is not supported. If you have installed non-global zones on a Solaris 10 system, you cannot upgrade to the Solaris 10 1/06 release by using Solaris Live Upgrade.

If you use the `luupgrade` command, the following error message is displayed:

```
Unable to upgrade boot environment.
```

Workaround: To upgrade such a system, use either the Solaris interactive installation program or the custom JumpStart program. These programs apply to your Solaris 10 OS all the patches and new packages that represent the differences between your current OS and the Solaris 10 1/06 software. The programs also apply the packages and patches to all the non-global zones.

Both programs have limitations. For example, you cannot customize your upgrade by installing additional software products or additional locale packages, or by modifying the disk layout. For details about these limitations, see the “Upgrading the Solaris OS When Non-Global Zones Are Installed” in *Solaris 10 6/06 Installation Guide: Custom JumpStart and Advanced Installations*.

Patching Miniroot on x86 Machines

The procedures for using `patchadd` with the `-C` destination specifier to patch a miniroot on an x86 machine have changed. You must now unpack the miniroot, apply patches, then repack the miniroot.

See the following for the detailed steps:

- Chapter 8, “Preparing to Install From the Network With DVD Media (Tasks),” in *Solaris 10 6/06 Installation Guide: Network-Based Installations*
- Chapter 9, “Preparing to Install From the Network With CD Media (Tasks),” in *Solaris 10 6/06 Installation Guide: Network-Based Installations*

Correct Solaris Data Encryption Supplement Required for Installation of Solaris 10 1/06 Release

When you install the Solaris 10 1/06 release, you must use the Solaris Data Encryption Supplement that corresponds to the release. The supplement is delivered in the `SUNWcry` and `SUNWcryr` packages. If you do not have the correct supplement version, upgrade the supplement by installing the appropriate patch:

- Patch ID 118562-05 or a later revision for SPARC based systems
- Patch ID 118563-04 or a later revision for x86 based systems

To determine your current supplement version, use `showrev -p`.

Additional Procedures Required When Installing Patches for Solaris 10 1/06 Release

The following patches are applied to resolve problems that were reported in CR 6277164 and CR 6214222:

- Patch ID 119366-05 for SPARC based systems
- Patch ID 119367-05 for x86 based systems

The sections that follow provide further steps that you must perform to completely resolve the reported problems.

Resolving Issues With the GNOME Display Manager (6277164)

Note – Perform this procedure before you use the GNOME Display Manager (GDM) as your login program, or if you have already enabled GDM as your login program. Otherwise, you can skip this procedure.

When applying the patch, load new values into the GDM configuration files. Then restart the GDM application.

1. To load the new values into the configuration file, choose one of the following options.
 - Copy the `/etc/X11/gdm/factory-gdm.conf` file to the `/etc/X11/gdm/gdm.conf` file.
Perform this step if you have not made any modifications to the `gdm.conf` file. Then you can start the GDM application.

- Manually merge the differences in the `factory-gdm.conf` file into the `gdm.conf` file.
Perform this step if you have modified the `gdm.conf` file and want to retain your modifications.

When merging files, copy the values for the following commands from the `factory-gdm.conf` file to the `gdm.conf` file. These commands enable you to obtain the best OS performance.

- `RebootCommand`
- `HaltCommand`
- `SuspendCommand`
- `DefaultPath`
- `RootPath`
- `GraphicalTheme`

2. To restart GDM, perform the following steps:

- a. Become superuser.
- b. Issue the following command:

```
# svcadm disable application/gdm2-login
```

- c. In the console that is now displayed, press Return to display a command prompt.
- d. To restart GDM, issue the following command:

```
# svcadm enable application/gdm2-login
```

Resolving Issues With AccessKeyMouseListeners (6214222)

To further resolve problems that are reported in CR 6214222, perform these steps when applying the patch.

1. Change to the `/etc/X11/gdm/modules` directory.
2. Copy the files from `factory-AccessDwellMouseEvents` to `AccessDwellMouseEvents`.
3. Copy the files from `factory-AccessKeyMouseEvents` to `AccessKeyMouseEvents`.

4. Restart GDM by following the steps that are provided in the previous section.

Sun Fire V250 Server Installation

The SUNWCXa11 software metacluster must be installed on a Sun Fire V250 Server.

NFS Version 4 Introduces New Prompt at First System Boot

Solaris 10 OS uses NFS Version 4 (NFSv4) as the default distributed file system mechanism. In NFSv4, file user and group attributes are exchanged as strings of the form “user@domain” and “group@domain,” respectively.

The domain portion of the string should be common between client and server. This information is automatically derived from the system’s name service domain name. However, in certain cases, the derived domain might not match between client and server. This mismatch might typically occur in environments where either of the following circumstances is true:

- The DNS TXT record is not used.
- Multiple administrative domain boundaries are crossed.

If domain information between client and server does not match, NFSv4-accessed files might appear to be owned by “nobody.”

To ensure proper configuration, on the first system boot the system now prompts you for a domain to use for NFSv4. Answer “no” to this prompt if one of the following configurations describes your deployment:

- Your deployment utilizes the DNS TXT record to configure the NFSv4 domain.
- Your deployment has a single (flat) administrative domain.

Custom JumpStart and Advanced Installations

Environments that use the Custom JumpStart™ method to perform unattended system installations require minimal tuning to suppress the first boot prompts.

A sample script, `set_nfs4_domain`, is provided in the Solaris 10 distribution media and is located in the `${CDrom_mnt_pt}/Solaris_10/Misc/jumpstart_sample` directory. A copy of this script should be modified to set the `NFS4_DOMAIN` variable to site-specific needs and be called from within JumpStart’s finish script. The target system’s NFSv4 domain is therefore preconfigured as part of the JumpStart finish phase, and thus suppresses any first boot prompts.

Follow these steps to perform unattended installations:

1. Create a copy of the `set_nfs4_domain` script in the same directory as your JumpStart’s `finish.sh` scripts.

2. Edit the script and set the `NFS4_DOMAIN` variable to your specific needs.
3. Edit your `finish.sh` script and append a call to `set_nfs4_domain`.
4. Perform the JumpStart installations as usual.

For further details, refer to the `sysidconfig(1M)`, `sysidtool(1M)`, `nfsmapid(1M)`, and `nfs(4)` man pages. See also the *System Administration Guide: Network Services*.

x86: Systems With `e1x` or `p1e1x` NICs Fail Network Configuration

Systems with an `e1x` or a `p1e1x` network interface card (NIC) fail to install. During the configuration of the NIC, the following error message might be displayed:

```
WARNING: e1x: transmit or jabber underrun: d0<UNDER, INTR, CPLT>
```

See the `e1x1(7D)` or `p1e1x(7D)` man page for more information.

Workaround: Install and run on systems that do not have `e1x` or `p1e1x` NICs.

Default Size of `/var` File System Inadequate for Extra Value Products

The default size of the `/var` file system might be insufficient for the Extra Value products in the following situations:

- If you install any of the Extra Value products that are provided on the Solaris 10 DVD or CDs
- If the `/var` file system is located on a separate slice

You must manually specify a larger slice size for the `/var` file system.

Note – If the `/var` file system is not on a separate slice or partition, this problem does not occur.

Workaround: Choose one of the following workarounds.

- If you are using the Solaris installation program GUI, follow these steps.
 1. Begin the installation.
 2. From Select Type of Install, select Custom Install.

The Solaris installation program displays several screens that enable you to customize the software localizations, products, and disk layout that you want to install.
 3. From Lay Out File Systems, select Modify.

The disk layout screen is displayed.

4. Type `/var` in the File System column for a specific slice, then click Apply.
The installation program suggests a default size for the `/var` file system.
 5. Edit the Size column entry for the `/var` file system to twice the disk space size.
For example, if the installation program assigns 40 Mbytes of space, change the Size value to 80.
 6. Complete the installation.
- If you are using the Solaris installation program's text installer, follow these steps.
 1. Begin the installation.
 2. From Select Type of Install, select Custom Install.
The Solaris installation program displays several screens that enable you to customize the software localizations, products, and disk layout that you want to install.
 3. From Lay Out File Systems, select Auto Layout.
The disk layout screen is displayed.
 4. Type `/var` in the File System column for a specific slice.
The installation program suggests a default size for the `/var` file system.
 5. Press F4_Customize to customize the size of the `/var` file system.
 6. Edit the Size column entry for the `/var` file system to twice the disk space size.
For example, if the installation program assigns 40 Mbytes of space, change the Size value to 80.
 7. Complete the installation.
 - If you are using the custom JumpStart program, use the `filesys` profile keyword to set the size of the `/var` file system. The following example sets the size of the `/var` file system on slice 5 to 256 Mbytes.

```
filesys c0t0d0s5 256 /var
```

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

The Solaris 10 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 10 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.

SPARC: Older Firmware Might Need Boot Flash PROM Update

On SPARC based systems, Solaris 10 OS runs in 64-bit mode only. Some Sun4U™ systems might need to be updated to a higher level of OpenBoot™ firmware in the flash PROM to run the OS in 64-bit mode. The following systems might require a flash PROM update:

- Ultra™ 2
- Ultra 450 and Sun Enterprise™ 450
- Sun Enterprise 3000, 4000, 5000, and 6000 systems

The following table lists the UltraSPARC systems and the minimum firmware versions that are required to run the 64-bit Solaris 10 OS. *System type* is the equivalent of the output of the `uname -i` command. You can determine which firmware version you are running by using the `prtconf -V` command.

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

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

See any edition of the Solaris 8 Sun Hardware Platform Guide at <http://docs.sun.com> for instructions to perform a flash PROM update.

Additional Patches Are Needed to Run Solaris Live Upgrade

For Solaris Live Upgrade to operate correctly, a limited set of patch revisions must be installed for a given OS version. 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 SunSolveSM web site.

Limitation When Installing Solaris Live Upgrade Packages

If you are running the 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 8, “Using Solaris Live Upgrade to Create a Boot Environment (Tasks),” in *Solaris 10 6/06 Installation Guide: Solaris Live Upgrade and Upgrade Planning*.
- 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.

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 10 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 10 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 10 Software - 4 CD into your CD-ROM drive. Type the following in a terminal window:

```
#
# cd /cdrom/cdrom0/Solaris_10/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.

SPARC: Upgrade Hangs on Sun Blade 1500 Workstations (6363365)

Upgrading to the Solaris 10 1/06 software might hang if you are installing or upgrading from a DVD media. The problem affects certain Sun Blade™ 1500 workstations that are equipped with the JLMS DVD drive. The error occurs when you use any of the following installation methods:

- Solaris interactive installation program
- Solaris Live Upgrade

When the system hangs, no error messages are displayed.

Workaround: To upgrade such a system, use a network installation image.

x86: Failure of BIOS Device Utility Prevents Installation or Upgrade From Being Completed (6362108)

On certain occasions, the utility for BIOS devices (`/sbin/biosdev`) might fail and prevent a successful installation or upgrade. The failure can occur under either of the following circumstances:

- Patch ID 117435-02 was applied, but the system was not rebooted.
- The system contains two or more identical disks that have identical `fdisk` partitions.

The following error message is displayed:

```
biosdev: Could not match any!!
```

Workaround: Make sure that you reboot the system after applying Patch ID 117435-02. Ensure that identical disks to be used in the installation or upgrade are configured with different `fdisk`-partition layouts.

The following example is based on a system that has two disks with identical `fdisk`-partition layouts. To change the layouts, perform the following steps.

1. Become superuser.
2. Start the disk maintenance utility.

```
# format
```

A list of available disks in the system is displayed.

3. To select the disk whose `fdisk` partition you want to change, type the disk's number.
4. From the list of Format options, select `fdisk`.

The disk's partition information and a list of `fdisk` options are displayed.

5. To change the disk's layout, choose one of the following:
 - To specify a different active partition, press 2.
 - To add another disk partition, press 1.
 - To delete an unused partition, press 3.
6. To save your changes and exit the `fdisk` menu, press 5.
7. To exit the disk maintenance utility, select `Quit` from the Format options.
8. Reboot the system.
9. After the system reboots, verify that the error message no longer appears. As superuser, type the following command:

```
# /sbin/biosdev
```

If the error message is still generated, repeat the procedure but select a different option in Step 5.

10. If the system contains other identical disks with identical fdisk-partition layouts, repeat Steps 1-9 on these disks. Otherwise, you can proceed with your Solaris installation or upgrade.

Upgrade Option Unavailable if the Root (/) File System Is a RAID-1 Volume (Mirror) (6263122)

A problem occurs when you upgrade to the Solaris 10 1/06 software a system whose root (/) file system is a RAID-1 volume. This problem occurs when you perform the upgrade as follows:

- You use CD media or an network installation image.
- You use the Solaris interactive installation program or custom JumpStart.

One of the following problems occurs:

- If you are using the Solaris interactive program, you are not given the option of upgrading in the panel Select upgrade or initial install.
- If you use custom JumpStart to upgrade, the following error message is displayed:

```
ERROR: No upgradeable root file systems were found.
```

Workaround: Perform Workaround 1 first. Proceed to Workaround 2 only if the first workaround did not resolve the issue.

- **Workaround 1:** Remove the RAID configurations before performing the upgrade. Rebuild your RAID configuration after the upgrade is completed. To remove the RAID configurations, follow these steps.
 1. Find the physical devices that are being used for the root partition's RAID-0 volumes or submirrors, as in the following example:

```
# df -k /

Filesystem          kbytes   used   avail capacity  Mounted on
/dev/md/dsk/d0      4459950 3089180 1326171    70%      /
```

```
# metastat -p d0
```

```
d0 -m d10 d11 1
d10 1 1 c1t0d0s0
d11 1 1 c1t1d0s0
```

2. Remove the mirror that is not being upgraded. In the example, if the disk to be upgraded is c1t0d0s0, you need to remove d11. Type the following:

```
# metadetach d0 d11
```

3. Revert to using the appropriate physical device to be upgraded. For the previous example, you issue the following command.

```
# metaroot c1t0d0s0
```

4. If necessary, verify that the `/etc/vfstab` has been updated with the required device.

```
# grep c1t0d0s0 /etc/vfstab
```

```
/dev/dsk/c1t0d0s0 /dev/rdisk/c1t0d0s0 / ufs 1 no -
```

5. Shut down the system.
6. Boot the system from the DVD or CD media.

In the panel Select upgrade or initial install, you can now choose to upgrade. You can also select the device to upgrade from the list of devices in the panel. Typically, the list contains the devices that comprise the original root subvolume.

However, if the option to upgrade remains unavailable, then skip to the alternative workaround.

7. To proceed with the upgrade, select the device.

To rebuild your RAID configurations after the upgrade has been completed, follow these steps.

1. Redefine the boot device.

```
# metaroot d0
```

2. Reboot the system.
3. Add the subvolume.

```
# metattach d0 d11
```

- **Workaround 2:** Use this workaround only if Workaround 1 was not successful. Do not perform this workaround without attempting the previous workaround first.

1. Reboot the system.

The system boots back to the existing Solaris release.

2. Delete the active metadevices that comprise the root partition by using the `metaclear` command.

```
# metaclear d0 d10 d11
```

3. Shut down the system.
4. Boot the system from the DVD or CD media.
5. Proceed with the installation by following the installation or upgrade options that appear on the screen.
6. After the upgrade is completed, reconfigure your metadevices by following the normal procedures.

The following example shows the steps to configure the root (`/`) metadevice, set up the system files for the metadevice, and reattach the subvolume.


```
# metainit d0 -m d10
# metaroot d0
# reboot

# metainit d11 1 1 c1t1d0s0
# metattach d0 d11
```

Note – You reattach the old subvolume after the system boot is completed.

Cannot Create a Solaris Flash Archive When Solaris Zones Are Installed (6246943)

Starting with the current Solaris release, a Solaris Flash archive cannot be properly created when a non-global zone is installed. The Solaris Flash feature is not currently compatible with the Solaris containers (zones) feature.

Do not use the `flar create` command to create a Solaris Flash archive in these instances:

- In any non-global zone
- In the global zone if there are any non-global zones installed

If you create a Solaris Flash archive in such an instance, the resulting archive might not install properly when the archive is deployed.

Workaround: None.

Installation Fails When You Install Solaris Flash Archive on Empty Boot Environment With Solaris Live Upgrade (6222925)

If you use Solaris Live Upgrade to install a Solaris Flash archive on an empty alternate boot environment, the installation fails. Messages that are similar to the following errors are displayed.

```
sh: /path_to_install_image/Solaris_10/Tools/Boot/usr/sbin/install.d
/mergescripts/merge_name_service: not found
```

```
ERROR: Transfer list entry (/a/var/svc/profile/name_service.xml):
mergescript failed (/path_to_install_image/Solaris_10/Tools/
Boot/usr/sbin/install.d/mergescripts/merge_name_service)
```

```
ERROR: Unable to copy a temporary file to it's final location
```

```
ERROR: Flash installation failed
```

Extracting Flash Archive: 100% completed (of 4361.24 megabytes)
The Solaris flash install of the BE *S10B74L2* failed.

In the previous example, *path_to_install_image* is the directory path to the network installation image you are using for the installation.

Workaround: Follow these steps.

1. Change directories to the `mergescripts` directory in the network installation image that you are using for the installation.

```
# cd path_to_install_image/Solaris_10/Tools  
/Boot/usr/sbin/install.d/mergescripts
```

2. Create the `merge_name_service` file.

```
# touch merge_name_service
```

3. Make the `merge_name_service` file executable.

```
# chmod a+x merge_name_service
```

4. On the system you want to install, install the Solaris Flash archive on the alternate boot environment with Solaris Live Upgrade.

For instructions about how to install a Solaris Flash archive with Solaris Live Upgrade, see “Installing Solaris Flash Archives on a Boot Environment” in *Solaris 10 6/06 Installation Guide: Solaris Live Upgrade and Upgrade Planning*.

5. Mount the file systems in the alternate boot environment you installed in step 4.

```
# lumount alt_boot_env  
mount-point
```

In the previous command, *alt_boot_env* is the boot environment you installed in step 4. *mount-point* is the mount point for the alternate boot environment.

6. Change directory to the `/var/svc/profile` directory in the alternate boot environment.

```
# cd mount-point/var/svc/profile
```

7. Remove the `name_service.xml` profile.

```
# rm name_service.xml
```

8. Create a symbolic link for the name service profile to the `name_service.xml` file.

```
# ln -s ns_name-service.xml name_service.xml
```

In the previous example, *name-service* is the name service you want to use for the system. Use one of the following strings for this value.

- `nis`

- nisplus
- dns
- ldap
- files

x86: Sun Java Workstations 2100Z Might Panic When Booting From Solaris 10 Operating System DVD (6214356)

The DVD combo-drive firmware in a Sun Java Workstation 2100Z might cause a system panic. The panic occurs when you boot the workstation from the Solaris 10 Operating System DVD. After the kernel banner is displayed, the following message is very quickly flashed:

```
panic[cpu0]/thread=fec1be20: mod_hold_stub:
Couldn't load stub module sched/TS_DTBL
fec25cb0 genunix:mod_hold_stub+139 (fec04088, 63, fea11)
fec25cc4 unix:stubs_common_code+9 (1, 8, fec026e4)
fec25ce4 unix:disp_add+3d (fec026dc)
fec25d00 genunix:mod_installsched+a4 (fef01530, fef01518)
fec25d20 genunix:mod_install+2f (fef01518, fec25d3c,)
fec25d2c TS:_init+d (0, d6d89c88, fec25d)
fec25d3c genunix:modinstall+d9 (d6d89c88)
fec25d50 genunix:mod_hold_installed_mod+2e (d6d77640, 1, fec25d)
fec25d7c genunix:modload+ac (fec026c4, fec26c4)
fec25d98 genunix:scheduler_load+3d (fec026c4, fec026dc)
fec25db4 genunix:getcid+50 (fec026c4, fec28514)
fec25dcc unix:dispinit+df (fec25ddc, fe814ba9)
fec25dd4 unix:startup_modules+d5 (fec25dec, fe8cac37)
fec25ddc unix:startup+19 (fe800000, 166130, 7)
fec25dec genunix:main+16 ()
```

Then the system automatically resets.

Workaround: Choose one of the following options:

Workaround 1: Modify some BIOS configuration settings. This temporary workaround enables a Solaris 10 installation to be completed. However, this method might cause poor read-DVD performance. Follow these steps:

1. During system boot, press F2 at the prompt to enter the setup.

The screen displays attachment-type options similar to the following example:

```
Primary Master [ ]
Primary Slave [ ]
Secondary Master [CD-ROM]
Secondary Slave [ ]
```

2. Choose the DVD drive's attachment type by selecting the attachment type for CD-ROM.

Note – The screen might display more than one attachment type for CD-ROM, for example, if your system has multiple optical drives. In such cases, you might need to open the system case to determine the DVD drive's point of attachment. Make sure that you select the correct attachment type that applies to the DVD drive.

3. After selecting the correct CD-ROM attachment type, press Enter.
The next screen appears with Type: [Auto] automatically selected.
4. Press the spacebar twice to change the selection to Type: [CD-ROM].
5. Use the arrow keys to select Transfer Mode.
6. Press Enter to display a list of other Transfer Mode options.
7. Use the arrow keys to select Standard, then press Enter to accept your selection.
8. Press F10 to save the configuration changes and exit BIOS setup.

The system restarts.

Workaround 2: Update the DVD combo drive's firmware to v1.12. This option requires your DVD combo drive to be attached to a system that is running Microsoft Windows. Follow these steps.

1. Remove your DVD combo drive from the Sun Java Workstation 2100z. See the workstation's user's guide for steps to remove the drive properly.
2. Connect the drive to a system that is running Microsoft Windows. Make sure to change the drive's master and slave jumper settings, if needed.
3. Go to AOpen's download center at <http://download.aopen.com.tw/default.aspx>.
4. Search for your DVD drive's firmware by using the following information:
 - Product: Combo drives
 - Model: COM5232/AAH
 - Categories: Firmware
5. Download and install the firmware version R1.12.
6. Reinstall the drive on the workstation. If needed, restore the original master and slave jumper settings.

Note – Newer versions of the firmware might already be available at the site. Sun's tests confirm that the v1.12 release resolves the panic issue. Sun cannot confirm whether newer firmware revisions after v1.12 similarly resolve the problem.

x86: Serial Consoles of Some Sun Fire Systems Do Not Work (6208412)

The serial console (ttya) on the following Sun Fire systems does not work by default:

- Sun Fire V20z
- Sun Fire V40z
- Sun Fire V60x
- Sun Fire V65x

To use the serial console, you must manually configure the system's BIOS.

Workaround: This workaround requires your system to have a Sun keyboard and a display monitor. Follow these steps:

1. Boot the machine.
2. During system boot, press F2 at the prompt to access the Phoenix BIOS.
3. Under Peripherals, change the comm port from disabled to enabled.
4. Save the configuration and boot the system.
5. Use the eeprom command to change input-device and output-device to ttya.

Note – Pressing the Stop and N keys at system boot to reset the low-level firmware to default settings does not work on these systems.

Solaris Installation GUI Program Might Fail on Systems With Existing x86 fdisk Boot Partitions (6186606)

The Solaris installation GUI program might fail on a system with an existing x86 boot partition. The failure occurs if the existing x86 boot partition was created with the Solaris text-based installer. The following error message is displayed.

```
Default layout will not work on this system.
Error:
Error: ERROR: Could not create explicit fdisk partition on c0t0d0,
requested cylinders 14581 - 14597 in use by fdisk partition 1
Error:
Error: ERROR: System installation failed
Pfinstall failed. Exit stat= java.lang.UNIXProcess@a89ce3 2
artition on c0t0d0, requested cylinders 14581 - 14597 in use by fdisk
partition 1 ERROR: System installation failed
```

Workaround: Choose one of the following workarounds.

Workaround 1: When the installation program prompts you to select an installation type, select 3 Solaris Interactive Text (Desktop Session).

Workaround 2: If you use the Solaris installation GUI program, follow these steps.

1. Begin the installation.
2. At the prompt to select an installation type, select Custom Install.
The custom installation panels prompt you for information about the locales, software, and disks that you want to install.
3. Answer the questions on the screens as appropriate for your system.
4. On the Fdisk Selection screen, check the disk that contains the x86boot partition.
5. Remove the x86boot partition by changing it to UNUSED in the pull-down menu.
6. Add the x86boot partition back by changing UNUSED back to x86boot.
7. Continue the installation.

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:
```

Installation Bugs

The following bugs might occur during or after the installation of Solaris 10 OS.

x86: Install Hangs on Systems With 512 Mbyte of Memory (6423854)

Installations can run out of memory and hang on 512-Mbyte systems under the following conditions:

- You install using a network installation image of the OS.
- The Solaris installation program is in a windowing environment:
 - The graphical user interface (GUI).
 - The `-text` option or “3. Solaris Interactive Text (Desktop session)” in the menu below.

When the system exhausts available memory, the GUI installation process slows and eventually fails. The text does not display in a windowing environment.

Workaround:

To avoid this problem, select a non-windowing environment during the initial installation startup. During startup from the installation media the following menu is displayed:

```

-----
1.      Solaris Interactive (default)
2.      Custom JumpStart
3.      Solaris Interactive Text (Desktop session)
4.      Solaris Interactive Text (Console session)
5.      Apply driver updates
6.      Single user shell
Enter the number of your choice.
-----

```

At this point, choose “4. Solaris Interactive Text (Console session)”. This non-windowing environment will initiate a text-only installation, without using memory-intense processes.

Creating a Solaris Flash Archive Fails When the End User Solaris Software Group is Installed (6397893)

The following example of the `flarcreate` command shows the error:

```

# flarcreate -n test.flar -c /net/ins3525-svr/export/rw/test.flar
Full Flash
Checking integrity...

```

```
Integrity OK.  
Running precreation scripts...  
./caplib: ERROR: /usr/ccs/bin/elfdump not found or not executable, exiting...
```

```
fdo: ERROR: Customization script failure.  
ERROR: Precreation script failure.
```

```
Running pre-exit scripts...  
Pre-exit scripts done.
```

Workaround:

From the DVD or CD installation media, add the SUNWbtool package using the pkgadd command. After this package is added, you can run the flarcreate command successfully.

1. Change directories.

```
# cd /cdrom/cdrom0/Solaris_10/Product
```

2. Add the SUNWbtool package.

```
# pkgadd -d 'pwd' SUNWbtool
```

x86: SVM Upgrade Fails From Solaris 9 9/05 OS to Solaris 10 6/06 or to Solaris Express (6397251)

If you upgrade a Solaris Volume Manager (SVM) on x86 platforms, the upgrade fails. The failure occurs if the SVM volume is configured on the root (/) file system and you upgrade from the Solaris 9 9/05 OS to the Solaris 10 6/06 OS or to a Solaris Express release.

The following error message is displayed:

```
Processing profile
```

```
ERROR: The specified root and/or boot was not found or was not upgradeable  
Solaris installation program exited.
```

Solaris Not Sending a PRLI to Tape Device (6379955)

Solaris OS is not sending Process Login (PRLI) data to the tape device during a path recovery sequence.

No error message is displayed to the user, but the problem can be identified from:

- Regular system log messages indicates a path issue, such as offline or online.
- Cfgadm -al command. This command shows the failed condition for the tape device.

- I/O to a tape device has ceased.

Workaround:

To recover from this situation, use the `luxadm forcelp` command to the FC host bus adapter. For example:

```
luxadm -e forcelp /dev/cfg/c99
```

c99 is the specific controller that is being used to communicate with the tape transport.

Java Problem Prevents Accessibility Environment for Speech From Setting Up Correctly (6377106)

If you are installing the Solaris 10 6/06 release from a combined network installation image or DVD media, the installation partially fails. This failure causes some accessibility features, such as speech feedback, not to work. The problem is related to Java™ packages and accessibility packages that cause an older Java software to become the default version.

Workaround:

After the installation completes, you must manually create some links and copy some files to various locations. After this is done, the Java 1.5.0 version will be the correct default version executed, and the various files for Java will be in place. The speech feedback for accessibility users will work properly.

Follow this procedure:

1. Log in as superuser.
2. Change to the `/usr` directory.

```
# cd /usr
```

3. Remove the current `java` directory.

```
# rm java
```

4. Link to the current `java` directory.

```
# ln -s jdk/jdk1.5.0_06 java
```

5. Change to the `/lib` directory.

```
# cd jdk/jdk1.5.0_06/jre/lib/
```

6. Link to the accessibility file.

```
# ln -s /usr/share/jar/accessibility.properties
```

7. Copy the Java file.

```
# cp /usr/share/jar/gnome-java-bridge.jar ext/
```

x86: After Installing the OS with a Solaris Flash Archive, Problem With Displaying Console (6372197)

After installing a Solaris Flash archive, the console value in the `/boot/solaris/bootenv.rc` file is not updated. After the reboot, the system is up and running, but the console does not display properly.

Workaround:

1. Telnet to the system remotely.
2. Modify the `/boot/solaris/bootenv.rc` file with the correct console value. The value is one of the following:
 - `ttya`
 - `ttyb`
 - `screen`
3. Reboot the system.

x86: Custom JumpStart Profile Test Fails With Locale Keyword (6340509)

When you test your JumpStart profile using the `pfinstall -D` command, the dry run test fails under the following conditions:

- The profile contains the `locale` keyword.
- You are testing a release that contains GRUB software. Starting with the Solaris 10 1/06 release, the GRUB boot loader facilitates booting different operating systems installed on your system with the GRUB menu.

With the introduction of GRUB software, the miniroot is compressed. The GRUB software can no longer find the list of locales from the compressed miniroot. Aminiroot is the smallest possible Solaris root (`/`) file system and is found on the Solaris installation media.

The following error message is displayed:

```
Could not select locale
```

Workaround:

The script values are as follows:

- `MEDIA_DIR=/cdrom/cdrom0/s0`
- `MINIROOT_DIR=$MEDIA_DIR/Solaris_10/Tools/Boot`

- `MINIROOT_ARCHIVE=$MEDIA_DIR/boot/x86.miniroot`
- `TEMP_FILE_NAME=/tmp/test`

Perform the following steps:

1. Uncompress the miniroot archive.

```
# /usr/bin/gzcat $MINIROOT_ARCHIVE > $TEMP_FILE_NAME
```

2. Create the miniroot device using the `lofiadm` command.

```
# LOFI_DEVICE=/usr/sbin/lofiadm -a $TEMP_FILE_NAME
# echo $LOFI_DEVICE/dev/lofi/1
```

3. Mount the miniroot with `lofi` under the miniroot directory.

```
# /usr/sbin/mount -F ufs $LOFI_DEVICE $MINIROOT_DIR
```

4. Test the profile.

```
# /usr/sbin/install.d/pfinstall -D -c $MEDIA_DIR $path-to-jumpstart_profile
```

5. After the `pfinstall` testing is completed, unmount the `lofi` device.

```
# umount $LOFI_DEVICE
```

6. Delete the `lofi` device.

```
# lofiadm -d $TEMP_FILE_NAME
```

Postinstallation Problems With Whole Root Zone, Diskless Client, and Solaris Live Upgrade (6358227)

Postinstallation processes might encounter problems while the `SUNWgnome-ally_libs_share` package is being added. The problems affect the following situations:

- Using non-global zones and setting up a whole root zone
 - Using Solaris Live Upgrade to upgrade from the Solaris 8 or Solaris 9 release
 - Setting up a diskless client from the Solaris 10 1/06 release
1. If you are using non-global zones and have set up a whole root zone, the following error message is displayed:

```
# zoneadm -z wholerootzone install
```

Installation of these packages generated warnings:

```
<SUNWgnome-ally_libs_share>
```

```
The file
```

```
</export/home/wholerootzone/root/var/sadm/system/logs/install_log>
```

```
contains a log of the zone installation
```

```
.
#
```

The `install_log` reports the following error:

```
*** package <SUNWgnome-ally-libs-share> installed with warnings:
```

```
cp: cannot access ../../../../share/jar/gnome-java-bridge.jar
pkgadd: ERROR: postinstall script did not complete successfully
```

```
Installation of <SUNWgnome-ally-libs-share> on zone <wholerootzone>
partially failed.
```

2. If you upgrade by using Solaris Live Upgrade from the Solaris 8 or Solaris 9 release, the `upgrade_log` reports the following error:

```
Doing pkgadd of SUNWgnome-ally-libs-share to /.
15360 blocks
/a/var/sadm/pkg/SUNWgnome-ally-libs-share/install/postinstall:
/sbin/zonename: not found
Installation of <SUNWgnome-ally-libs-share> was successful.
```

3. If you set up the diskless client service for the Solaris 10 1/06 release, the log file in `/var/sadm/system/logs` for your specific system reports the following error:

```
Doing pkgadd of SUNWgnome-ally-libs-share to /export/Solaris_10.
15360 blocks
/export/Solaris_10/var/sadm/pkg
/SUNWgnome-ally-libs-share/install/postinstall:
/export/Solaris_10/usr/java/jre/lib: does not exist
pkgadd: ERROR: postinstall script did not complete successfully
Installation of <SUNWgnome-ally-libs-share> failed.
pkgadd return code = 1
```

Workaround: In all three situations, ignore the error messages.

x86: Problem With Choosing a Terminal Type When Installing Solaris 10 1/06 Software (6350819)

When you use the Solaris interactive installation program, the Choose Terminal Type screen causes errors in the installation. The program immediately accepts the first character that you type and then proceeds with the installation. Consequently, you cannot choose an option that requires you to type more than one character. If you accidentally typed one character, which the installation program immediately accepts, the rest of the installation proceeds in error. No error message is displayed.

Workaround: Start the installation normally. At the screen that prompts you for the installation type, select the type before the timer expires in 30 seconds. Subsequent selection of the terminal type should work properly.

x86: Invalid /sbin/dhccpinfo Error During Installation (6332044)

If you install the Solaris 10 1/06 release on an x86 based system, the following error message is displayed.

```
/sbin/dhccpinfo: primary interface requested but no primary interface is set
```

The error does not affect the installation, and the installation succeeds.

Workaround: Ignore the error message.

SPARC: Loadkeys Warnings Appear When System Is Booted From Solaris OS DVD (6329642)

When you boot the system from the Solaris OS DVD to install the Solaris software, the following warning is displayed:

```
/sbin/install-discovery: /usr/bin/loadkeys: not found
```

Consequently, keyboard mappings for autodetected keyboards are not automatically loaded during the boot process.

Workaround: None. Ignore the warning message. You can continue to install the Solaris software on the system even without the keyboard mappings. After you have completed the installation, these mappings are automatically set when you reboot the system.

Solaris Install Launcher Exiting Causes Reboots (6300863)

In some situations, installation of Solaris 10 3/05 HW1 fails when the Solaris Install Launcher fails to find `find_device.out`, reboots, then reaches the same point and prompts for a reboot again.

Workaround: Specify the `-text` option when booting:

```
boot net -text
```

x86: Installation From CD Media Appears to Hang After Reboot Selection (6270371)

A problem might occur when you are using the Solaris installation program and are using CD media. After the installation of the Solaris software from the Solaris 10 1/06 Software CD - 4, the following prompt is displayed:

Press Reboot now to continue.

If you press Reboot, the system might not respond. The installation is successful. However, the error prevents the installation program from exiting normally. Consequently, the typical postinstallation cleanup and system reboot cannot occur.

An error message similar to the following example is logged in `/tmp/disk0_install.log` file:

```
Exception in thread "Thread-70" java.lang.IndexOutOfBoundsException:
Index: 6, Size: 5
    at java.util.ArrayList.add(ArrayList.java:369)
    at
com.sun.wizards.core.WizardTreeManager.
actualExitButtonPressed(WizardTreeManager.java:1499)
    at
com.sun.wizards.core.WizardTreeManager.
exitButtonPressed(WizardTreeManager.java:1486)
    at
com.sun.wizards.core.AutonextController.
run(AutonextController.java:736)
    at
java.lang.Thread.run(Thread.java:595)
```

Workaround: Choose one of the following workarounds.

- **Workaround 1:** Follow these steps.
 1. Shut down the system, then turn on the power again.
 2. After the system starts up, insert the appropriate CD at the prompt. Although the CD is inserted, no additional software is installed on the system. In a moment, the system reboots normally.
- **Workaround 2:** Follow these steps.
 1. Open a terminal window.
 2. Log in as superuser.
 3. Create or modify access to the `.instsuccess` file.

```
# touch /tmp/.instsuccess
```

4. Stop the Java process.

```
# pkill -9 java
```

The system reboots without prompting for the CD media.

x86: kdmconfig Program Runs Twice After Initial Installation (6209092)

During the first system reboot after an initial Solaris 10 OS installation, the `kdmconfig` program might run twice. During this initial startup, each time the program starts, you are prompted to select an X server. This situation occurs on x86 based systems that have not been configured to use the X server. An example of such a system is a “headless” system that is not using a graphics display.

Workaround: Each time the program starts and prompts for an X server, press `F3_Exit`. A short delay might occur before the startup process resumes. After this initial startup is completed, the problem no longer occurs if the system is subsequently rebooted.

x86: System Fails to Boot After Custom JumpStart Installation (6205478)

If you use the Custom JumpStart installation method to install on an x86 based system, and explicitly configure slice 2 as the overlap slice in the profile, an error occurs. The system does not reboot successfully after the installation is completed. The following error message is displayed:

```
Cannot find Solaris partition
```

This failure occurs because the overlap slice 2 (`c0t0d0s2`, for example) is set to begin at cylinder 1 rather than cylinder 0.

Workaround: In the Custom JumpStart profile, remove the `filesys` keyword entry that configures slice 2 as the overlap slice. For example, you would remove a keyword entry that is similar to the following entry.

```
filesys c0t0d0s2 all overlap
```

After you remove the entry, perform the Custom JumpStart installation.

x86: GUI Interactive Installation From DVD Fails if boot-device Variable Is Not Set (5065465)

If you install Solaris from the Solaris 10 Operating System DVD, the interactive GUI installation might fail. This failure occurs if the `boot-device` configuration variable is not set on the system.

To determine if the `boot-device` configuration variable is set, type the following command.

```
# prtconf -pv | grep boot-device
```

If the output of this command is `boot-device:` with no associated device, you cannot use the interactive GUI installation program to install from the Solaris 10 Operating System DVD.

Workaround: Use the interactive text installer to install Solaris 10 software. When the installation program asks you to select a type of installation, select option 3, Solaris Interactive Text (Desktop Session).

For more information about installing from the Solaris 10 Operating System DVD, see *Solaris 10 6/06 Installation Guide: Basic Installations*.

SPARC: Solaris 10 OS Installation Program Might Not Display Special Case Panels Properly (5002175)

If you install the Solaris 10 software by using the Solaris installation program, some of the information and exit panels for the SunSM 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 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 10 software has completed, manually install the SRS Net Connect software from the Solaris 10 Operating System DVD or Solaris 10 Software - 2 CD.

Installing the SRS Net Connect software after the initial Solaris 10 software installation has completed ensures that all panels are displayed properly.

x86: USB Keyboards Might Freeze During Install on Some Dell Precision Workstations (4888849)

During installation, USB keyboards on some Dell Precision Workstations might freeze or become partially inoperative, thereby preventing installation.

Workaround: Perform one of the following workarounds:

- Switch the USB emulation mode in the firmware.
- Switch to a PS/2 keyboard.
- Reboot and try again.

Alternatively, update the system's BIOS to resolve the problem.

SPARC: Error Messages Might Be Seen When Installing Solaris By Using a Network Image (4704046)

You can install Solaris by using a network image. If that image is created by combining the Solaris 10 Software CDs, the following error messages might be seen:

```
Error message:   Jun 18 10:51:53 b26b statd[149]: [ID 514559
daemon.error] svc_tp_create: Could not register prog 100024 vers 1 on udp
Jun 18 10:51:53 b26b statd[149]: [ID 514559 daemon.error] svc_tp_create:
Could not register prog 100024 vers 1 on tcp
Jun 18 10:51:53 b26b statd[149]: [ID 514559 daemon.error] svc_tp_create:
Could not register prog 100024 vers 1 on ticlts
Jun 18 10:51:53 b26b statd[149]: [ID 514559 daemon.error] svc_tp_create:
Could not register prog 100024 vers 1 on ticotsord
Jun 18 10:51:53 b26b statd[149]: [ID 514559 daemon.error] svc_tp_create:
Could not register prog 100024 vers 1 on ticots
Jun 18 10:51:53 b26b statd[149]: [ID 447212 daemon.error] statd:
unable to create (SM_PROG, SM_VERS) for netpath.
```

Workaround: None. Ignore the message. After the system boots, the Network File System (NFS) functions normally.

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 and Bugs

Note – For the latest information about upgrade support beginning with the Solaris 10 1/06 release, see [“Changes in Upgrade Support for Solaris Releases”](#) on page 19.

This section describes upgrade bugs. Some might occur while you are upgrading to Solaris 10 OS. Others might occur after you have completed upgrading.

Upgrade Fails on System With Zones That Have Been Installed But Not Booted

A non-global zone that has been installed but never booted or made ready prevents a system from being upgraded correctly. No error message is displayed.

Workaround:

If such a zone is found, the zone should be made ready and then halted prior to starting the upgrade. For example:

```
global# zoneadm -z myzone ready ; zoneadm -z myzone halt
```

Upgrade of System With Zones Installed Fails (6444457, 6444791)

Upgrade of a Solaris 10 or Solaris 10 1/06 system with zones installed to Solaris 10 6/06 will fail if the Core System Support Software Group (SUNWCreq) or End User Solaris Software Group (SUNWCuser) metaclusters are also installed on the system. No error message is displayed.

Workaround: Install the appropriate patch:

- For SPARC: Patch ID 118822-30
- For x86: Patch ID 118844-30

and any patches which 118822-30 or 118844-30 depends on for the system being upgraded and then proceed with the upgrade to Solaris 10 6/06.

Zone Creation Error With SUNWgnome-ally-libs-share (6437617)

If you are installing whole-root non-global zones in the Solaris 10 6/06 release, the following error message might appear in the zone error log:

```
/export/home/wholerootzone/root/var/sadm/pkg/SUNWgnome-ally-libs-share/install/postinstall:
cannot return when not in function
pkgadd: ERROR: postinstall script did not complete successfully
```

Installation of <SUNWgnome-ally-libs-share> on zone <wholerootzone>

Note – The name wholerootzone in the error message is for illustrative purposes, and the path that appears in the installation log might be different on different systems.

Workaround: None.

qlc.conf Configuration File Not Updated While Upgrading to Solaris 10 6/06 Release (6428334)

While upgrading to Solaris 10 6/06 release with an existing /kernel/drv/qlc.conf configuration file, the qlc.conf file is not acquiring the updated format and parameters. No error message is displayed.

Workaround:

To update the qlc.conf file, install the following patches after upgrading to Solaris 10 6/06 release:

- SPARC: Patch 119130-21 or latest revision.
- i386: Patch 119131-21 or latest revision.

Upgrading a Solaris 10 System with Non-Global Zones to the Solaris 10 6/06 release Might Cause the Local File System Service to Fail (6428258)

Upgrading a Solaris 10 3/05 system or a Solaris 10 1/06 system to the Solaris 10 6/06 release with non-global zones might cause the SMF service that mounts local file systems to fail in the non-global zones. As a result, other services in the non-global zones might fail to start.

After upgrading a Solaris 10 system with non-global zones to the Solaris 10 6/06 release, services might be in the maintenance state. For example:

```
# zlogin myzone svcs -x
svc:/system/filesystem/local:default (local file system mounts)
  State: maintenance since Wed May 24 13:18:06 2006
  Reason: Start method exited with $SMF_EXIT_ERR_FATAL.
  See: http://sun.com/msg/SMF-8000-KS
  See: /var/svc/log/system-filesystem-local:default.log
  Impact: 18 dependent services are not running. (Use -v for list.)
```

Workaround:

Reboot the non-global zone from the global zone. For example:

```
global# zoneadm -z myzone reboot
```

Upgrade From Solaris 10 to Solaris 10 6/06 Gives SMF Errors on Reboot and Contains Solaris Package Issues That Might Impact Patching (6421275)

When upgrading from Solaris 10 to Solaris 10 6/06, multiple SMF and package violation errors occur upon reboot. The following error message is displayed:

```
oyster console login: May  3 15:05:47 svc.startd[7]:
svc:/system/basicreg:default: Method "/usr/sbin/sconadm register -c -m autoreg"
failed with exit status 1.
May  3 15:05:48 svc.startd[7]: svc:/system/basicreg:default:
Method "/usr/sbin/sconadm register -c -m autoreg" failed with exit status 1.
May  3 15:05:48 svc.startd[7]: svc:/system/basicreg:default:
Method "/usr/sbin/sconadm register -c -m autoreg" failed with exit status 1.
May  3 15:05:48 svc.startd[7]: system/basicreg:default failed
```

```
#scvs -xv
svc:/system/basicreg:default (?)
State: maintenance since Wed May 03 15:05:48 2006
Reason: Start method failed repeatedly, last exited with status 1.
  See: http://sun.com/msg/SMF-8000-KS
  See: /var/svc/log/system-basicreg:default.log
Impact: This service is not running.
#
# cat /var/svc/log/system-basicreg:default.log
[ May  3 15:05:33 Enabled. ]
[ May  3 15:05:33 Rereading configuration. ]
[ May  3 15:05:47 Executing start method
("/usr/sbin/sconadm register -c -m autoreg") ]
You must accept terms of use (by passing in -a) in order to register.
The terms of use and binary code license agreement are located at:
Terms of Use : http://sun.com/applink/sunuc/toulen
Binary Code License Agreement :
http://sun.com/applink/sunuc/bcllen
[ May  3 15:05:48 Method "start" exited with status 1 ]
[ May  3 15:05:48 Executing start method
("/usr/sbin/sconadm register -c -m autoreg") ]
You must accept terms of use (by passing in -a) in order to register.
```

The terms of use and binary code license agreement are located at:
 Terms of Use : <http://sun.com/applink/sunuc/toulen>

Binary Code License Agreement :
<http://sun.com/applink/sunuc/bcllen>
 [May 3 15:05:48 Method "start" exited with status 1]

 we also had multiple packages owning the same type "f" files
 after zones upgrade as follows:

```

/usr/lib/breg/basicreg.jar
/usr/lib/breg/br-common.jar
/usr/lib/breg/data/RegistrationProfile.properties
/usr/lib/breg/jdom.jar
/usr/lib/breg/resources/i18n/assetStrings_de.properties
/usr/lib/breg/resources/i18n/assetStrings_es.properties
/usr/lib/breg/resources/i18n/assetStrings_fr.properties
/usr/lib/breg/resources/i18n/assetStrings_it.properties
/usr/lib/breg/resources/i18n/assetStrings_ja.properties
/usr/lib/breg/resources/i18n/assetStrings_ko.properties
/usr/lib/breg/resources/i18n/assetStrings_sv.properties
/usr/lib/breg/resources/i18n/assetStrings_zh.properties
/usr/lib/breg/resources/i18n/assetStrings_zh_TW.properties
/usr/lib/breg/resources/i18n/countryStrings_de.properties
/usr/lib/breg/resources/i18n/countryStrings_es.properties
/usr/lib/breg/resources/i18n/countryStrings_fr.properties
/usr/lib/breg/resources/i18n/countryStrings_it.properties
/usr/lib/breg/resources/i18n/countryStrings_ja.properties
/usr/lib/breg/resources/i18n/countryStrings_ko.properties
/usr/lib/breg/resources/i18n/countryStrings_sv.properties
/usr/lib/breg/resources/i18n/countryStrings_zh.properties
/usr/lib/breg/resources/i18n/countryStrings_zh_TW.properties
/usr/lib/breg/resources/i18n/languageStrings_de.properties
/usr/lib/breg/resources/i18n/languageStrings_es.properties
/usr/lib/breg/resources/i18n/languageStrings_fr.properties
/usr/lib/breg/resources/i18n/languageStrings_it.properties
/usr/lib/breg/resources/i18n/languageStrings_ja.properties
/usr/lib/breg/resources/i18n/languageStrings_ko.properties
/usr/lib/breg/resources/i18n/languageStrings_sv.properties
/usr/lib/breg/resources/i18n/languageStrings_zh.properties
/usr/lib/breg/resources/i18n/languageStrings_zh_TW.properties
/usr/lib/breg/resources/i18n/wizardStrings_de.properties
/usr/lib/breg/resources/i18n/wizardStrings_es.properties
/usr/lib/breg/resources/i18n/wizardStrings_fr.properties
/usr/lib/breg/resources/i18n/wizardStrings_it.properties
/usr/lib/breg/resources/i18n/wizardStrings_ja.properties
/usr/lib/breg/resources/i18n/wizardStrings_ko.properties
/usr/lib/breg/resources/i18n/wizardStrings_sv.properties

```

```
/usr/lib/breg/resources/i18n/wizardStrings_zh.properties  
/usr/lib/breg/resources/i18n/wizardStrings_zh_TW.properties  
/usr/lib/breg/resources/i18n/xmlValueStrings_de.properties  
/usr/lib/breg/resources/i18n/xmlValueStrings_es.properties  
/usr/lib/breg/resources/i18n/xmlValueStrings_fr.properties  
/usr/lib/breg/resources/i18n/xmlValueStrings_it.properties  
/usr/lib/breg/resources/i18n/xmlValueStrings_ja.properties  
/usr/lib/breg/resources/i18n/xmlValueStrings_ko.properties  
/usr/lib/breg/resources/i18n/xmlValueStrings_sv.properties  
/usr/lib/breg/resources/i18n/xmlValueStrings_zh.properties  
/usr/lib/breg/resources/i18n/xmlValueStrings_zh_TW.properties  
/usr/lib/breg/wizard.jar  
/usr/sbin/sconadm  
/usr/sbin/smpatch
```

Workaround: Follow these steps:

1. Become superuser.
2. List the SUNWbreg and SUNWbrg localization packages that are installed on the system.

```
# pkginfo | awk '{print $2}' | grep 'SUNW.breg' > /tmp/list.breg  
# cat /tmp/list.breg  
SUNWcbreg  
SUNWdbreg  
SUNWebreg  
SUNWfbreg  
SUNWhbreg  
SUNWibreg  
SUNWjbrg  
SUNWkbrg  
SUNWsbreg  
# pkginfo | awk '{print $2}' | grep 'SUNW.brg' > /tmp/list.brg  
# cat /tmp/list.brg  
SUNWcbrg  
SUNWdbrg  
SUNWebrg  
SUNWfbrg  
SUNWhbrg  
SUNWibrg  
SUNWjbrg  
SUNWkbrg  
SUNWsbrg
```

Note – The contents of the `/tmp/list.breg` file and `/tmp/list.brg` file might vary depending on which localization packages are installed on the system, or the files might be empty. If the `/tmp/list.brg` file contains packages, save the list of package names so that you know which packages you will need to copy in step 5. If the files are empty, skip to step 4.

- Uninstall the packages found in step 2.

```
# pkgrm 'cat /tmp/list.breg /tmp/list.brg'
```

- Uninstall the `SUNWbrg`, `SUNWdc`, and `SUNWbreg` packages.

```
# pkgrm SUNWbrg SUNWdc SUNWbreg
```

- Copy the `SUNWbrg` package and the localization packages that you need from the distribution media, such as CD or DVD.

Note – The localization packages that you need are listed in the `/tmp/list.brg` file.

```
# cd distribution-media
# cd Solaris_10/Product
# cp -rp SUNWbrg 'cat /tmp/list.brg' /tmp
```

- Install the `SUNWbrg` and localization packages.

```
# pkgadd -d /tmp SUNWbrg
```

If the `/tmp/list.brg` file is not empty, install the localization packages.

```
# pkgadd -d /tmp 'cat /tmp/list.brg'
```

x86: Upgrade Option Is Not Available When Upgrading to Solaris Express 3/06 OS (6386504)

The upgrade operation fails when upgrading the OS to the Solaris Express 3/06 OS as follows:

- For the Solaris installation program, the upgrade option is unavailable.
- For the custom JumpStart program, the upgrade fails.

This problem is due to an unused boot partition that must be deleted.

The problem occurs under the following circumstances:

- You have performed an initial installation from the Solaris 8, 9, or 10 3/05 release. An x86 boot partition was created during installation.
- You have performed an initial installation from the Solaris 10 1/06 release or Solaris Express release that supports GRUB. The x86 boot partition is preserved, but is not used.

- You try to upgrade to the Solaris Express 3/06 OS.

The following error will be in `/tmp/install_log`:

```
# more /tmp/install_log
kdmconfig: The following warning was noted:
Error while executing loadkeys command.
Checking c1d0s0 for an upgradeable Solaris image.
The x86 Boot fdisk partition is missing /a/boot/solaris/bootenv.rc
```

Workaround:

- If you are upgrading with the Solaris installation program, delete the unused boot partition using the `format` or `fdisk` command. Repartition before you upgrade.
- If you are upgrading with JumpStart, specify the disk that contains the root (`/`) file system to be upgraded with the `root_device` keyword. For example, the profile would contain the following keywords:
 - `install_type upgrade`
 - `root_device c1t0d0s0`

Device ID Discrepancies After Upgrading From Solaris 9 9/04 OS

In this Solaris 10 release, Solaris Volume Manager displays device ID output in a new format. Solaris 9 9/04 OS, which introduced device ID support in disk sets, does not recognize the new format. When you upgrade to Solaris 10 OS from the Solaris 9 9/04 release, device IDs that are associated with existing disk sets are not updated in the Solaris Volume Manager configuration. If you need to revert to Solaris 9 9/04 OS, configuration changes made to disk sets after the upgrade might not be available to Solaris 9 9/04 OS. For more information, see Chapter 25, “Troubleshooting Solaris Volume Manager (Tasks),” in *Solaris Volume Manager Administration Guide*.

Locale Problem Occurs After You Upgrade a System That Contains Zones (6361672)

A locale problem occurs when you use the GUI-based installation program to upgrade a system that contains zones. After the installation, the `LANG` variable in the `/etc/default/init` file is set to null. If you issue any system command, the following error message is displayed:

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

Workaround: As superuser, choose one of the following workarounds:

- **Workaround 1:** If you have already upgraded the system, manually edit the `/etc/default/init` file to set the correct `LANG` and `LC_*` variables. Then reboot the system.

For more information and examples, see the `locale(1)` man page.

- **Workaround 2:** Use the text-based installation program to upgrade the system. Perform either of the following steps that is appropriate to your system:
 - For SPARC systems, use the text flag with the boot command. For example, if you are using the CD media to install the software, issue the following command:


```
ok boot cdrom - text
```
 - For x86 systems, at the installation selection screen, select 3 Solaris Interactive Text (Desktop session).

For more information, see the Solaris 10 Installation Guides.

x86: Adding Driver Updates Might Cause Failure of Network Configuration (6353146)

Installation of the Solaris 10 OS might fail while you are adding Driver Updates (DU), which are also known as Install Time Updates (ITU). This error occurs if you are using the GUI to install the Solaris 10 software. The following message is displayed:

```
Unable to run cmd: /usr/sbin/sysidput
```

Workaround: Use either of the following workarounds.

- **Workaround 1:** Configure the installation to use DHCP to gather network configuration information.
- **Workaround 2:** Use a text-based installation method.
 - If you are performing the text-based installation in a desktop session, follow these steps.
 1. After you have finished adding ITUs, type Ctrl-c instead of typing **e**.
 2. Choose option 3.
 - If you specify a serial console to use during the installation, follow these steps.
 1. After you have finished adding ITUs, type Ctrl-c instead of typing **e**.
 2. Choose option 4.

x86: Cannot Delete the Solaris Live Upgrade Boot Environment That Contains the GRand Unified Bootloader Menu (6341350)

When you use Solaris Live Upgrade to create boot environments, one of the boot environments in the system hosts the GRand Unified Bootloader (GRUB) menu. This boot environment cannot be removed with the `luDELETE` command.

If you attempt to remove the boot environment, the following error message is displayed:

```
ERROR: The boot environment name-of-boot-environment contains the GRUB menu.  
ERROR: You are not allowed to delete this BE.  
Unable to delete boot environment.
```

Workaround: Use either the `lumake` command or the `luupgrade` command to reuse this boot environment. Make the boot environment that contains the GRUB menu the last boot environment to be deleted.

Note – Solaris Live Upgrade does not allow the last boot environment to be deleted. Nor can the boot environment that contains the GRUB menu be deleted. Therefore, if the last boot environment also contains the GRUB menu, then you can delete all other boot environments if needed.

x86: Removal of Agilent Fibre Channel HBA Driver Package Fails When Upgrading to Solaris 10 1/06 Release (6330840)

If you use Solaris Live Upgrade to upgrade from the Solaris 8 2/02 release to the Solaris 10 1/06 release, the removal of the Agilent Fibre Channel HBA Driver Package (HPFC) fails. The following error message is recorded in the `upgrade_log` file.

```
Removing package HPFC:  
Modifying /a/kernel/drv/sd.conf  
cmdexec: ERROR: unable to open  
/a/var/sadm/pkg/HPFC/save/sed/kernel/drv/sd.conf  
pkgrm: ERROR: class action script did not complete successfully
```

```
Removal of partially failed.  
pkgrm return code = 2
```

The upgrade succeeds, but two instances of the HPFC package are included on the system.

Workaround: Follow these steps.

1. Become superuser.
2. Remove both instances of the HPFC package.

```
# pkgrm HPFC  
# pkgrm HPFC.2
```

3. Insert the Solaris 10 1/06 OS DVD in the DVD-ROM drive.
4. Change directories to the directory that contains the HPFC package.

```
# cd /cdrom/Solaris_10/Product
```

5. Add the HPFC package to the system.

```
# pkgadd -d 'pwd' HPFC
```

Solaris Live Upgrade `luupgrade` Command Missing the Progress Bar (6239850)

The upgrade progress bar does not appear when you use the Solaris Live Upgrade software in the following manner:

- You use the Solaris 10 1/06 CD media to upgrade the OS.
- You upgrade a boot environment by using the `luupgrade` command with the following options:
 - `-i` to install from the CD media
 - `-O "-nodisplay -noconsole"` to run the installer on the second CD in text mode and without user interaction
- You are upgrading to the Solaris 10 1/06 software from the following releases:
 - Solaris 8 release
 - Solaris 9 release
 - Solaris 10 release

For example, if you run the following command, the progress bar should be displayed after you see the following output:

```
Running installer on BE s10u1.
```

However, the bar fails to appear.

```
# luupgrade -i -n s10u1 -s /net/installsrv/export/s10u1
-O "-nodisplay -noconsole"
```

```
Validating the contents of the media /net/installsrv/export/s10u1.
```

```
The media is a standard Solaris media.
```

```
The media contains a standard Solaris installer.
```

```
The media contains Solaris 3 version 10.
```

```
Mounting BE s10u1.
```

```
Running installer on BE s10u1.
```

No error message is displayed.

Workaround: Use the `prstat` command. This command enables you to watch the progress while packages are being added during the installation.

SPARC: Upgrading From Solaris 9 Releases With Recommended Patch Cluster Partially Succeeds (6202868)

For a system that is running a Solaris 9 release with the recommended patch cluster installed, upgrading to Solaris 10 OS only partially succeeds. This problem affects systems that are running the following releases with the Solaris 9 recommended patch cluster installed.

- Solaris 9 release
- Solaris 9 9/02 release
- Solaris 9 12/02 release
- Solaris 9 4/03 release
- Solaris 9 8/03 release
- Solaris 9 12/03 release
- Solaris 9 4/04 release

When you upgrade to the Solaris 10 release, the SUNWcti2x package is not successfully removed from the system.

Workaround: Choose one of the following workarounds.

- To avoid this problem, apply patch ID 117426-03, or a later version, to the system before you upgrade to the Solaris 10 OS.

To download this patch, go to <http://sunsolve.sun.com>.

- If you encounter this problem during the upgrade, follow these steps.

1. In a text editor, comment out the following line in the `/var/sadm/pkg/SUNWcti2x/install/preremove` file.

```
rem_drv -b ${BASEDIR} sc_nct || EXIT=1
```

2. Remove the SUNWcti2x package.

```
# pkgrm SUNWcti2x
```

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

If you use Solaris Live Upgrade to upgrade from the Solaris 8 or Solaris 9 releases to Solaris 10 OS, obsolete uninstaller programs are not removed. 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 o uninstall_CDRW_1_0.class
uninstall_Bonus_Localization_-_Catalan_CDE_Desktop.class
uninstall_Bonus_Localization_-_Polish_CDE_Desktop.class
uninstall_Bonus_Localizations_-_Russian_CDE_Desktop.class
uninstall_Capacity_on_Demand_1_0.class
uninstall_Java3D_1_3_1.class
uninstall_Java3D_1_3.class
uninstall_Java3D_1_2_1_04.class
uninstall_Java3D_1_2_1_03.class
uninstall_Lights_Out_Management_2_0.class
uninstall_Man_Page_Supplement.class
uninstall_OpenGL_1_3.class
uninstall_OpenGL_1_2_3.class
uninstall_Netra_ct_Platform_1_0.class
uninstall_Netra_t11xx_Alarms_2_0.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_Solaris_9_French_Localization.class
uninstall_Solaris_9_German_Localization.class
uninstall_Solaris_9_Hong_Kong_Traditional_Chinese_Localization.class
uninstall_Solaris_9_Italian_Localization.class
uninstall_Solaris_9_Japanese_Localization.class
uninstall_Solaris_9_Korean_Localization.class
uninstall_Solaris_9_Simplified_Chinese_Localization.class
uninstall_Solaris_9_Spanish_Localization.class
uninstall_Solaris_9_Swedish_Localization.class
uninstall_Solaris_9_Traditional_Chinese_Localization.class
uninstall_Solaris_On_Sun_Hardware_Documentation.class
uninstall_Sun_Hardware_AnswerBook.class
uninstall_SunATM_5_0.class
uninstall_SunATM_5_1.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_Sun_Fire_B10n_Load_Balancing_Blade_1_1.class
uninstall_SunForum_3_1.class
uninstall_SunForum_3_2.class
uninstall_SunHSI_PCI_3_0.class
uninstall_SunHSI_SBus_3_0.class
uninstall_SunScreen_3_2.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_System_Service_Processor_3_5.class
uninstall_WBEM_DR_1_0.class
uninstall_Web_Start_Wizards_SDK_3_0_2.class
uninstall_Web_Start_Wizards_SDK_3_0_1.class
uninstall_Web_Start_Wizards_SDK.class
uninstall_XML_Libraries_2_4_12.class
```

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

Configuration File `pam.conf` Not Automatically Updated After an Upgrade (5060721)

This Solaris 10 release introduces changes in `pam_ldap` functionality. When you upgrade to the current release, `pam_ldap` configurations in your existing `pam.conf` configuration file are not updated to reflect these changes. If `pam_ldap` configuration is detected, the CLEANUP file that is generated at the end of the upgrade contains the following notification:

```
/etc/pam.conf please examine/update the pam_ldap configuration
because its functionality has changed,
refer to pam_ldap(5) documentation for more information
```

Workaround: After the upgrade, examine `/etc/pam.conf`. If necessary, modify this file manually to be compatible with the new functionalities of `pam_ldap`. The modifications involve password prompting such as the `use_first_pass` and `try_first_pass` options as well as password updates. For more information about updating `pam.conf`, refer to the `pam_ldap(5)` man page and documentation.

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 10 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 10 Release Might Disable Existing Secure Shell Daemon (sshd) (4626093)

If you upgrade to the Solaris 10 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, Solaris 10 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 10 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 10 release.

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

If you attempt to install the Solaris 10 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.

Additional Installation Issues

This section describes issues that are related to the installation of the Solaris OS.

Patchadd Fails When Installing Patches From the UpgradePatches Directory (6241052)

If you use the `patchadd` command to install patches that are in the DVD media `UpgradePatches` directory, `patchadd` fails. These patches are used for the standard upgrade process and should not be used with any patch installation program.

No error message is displayed.

`smosservice add` Command Does Not Install Designated ARCH=all Packages (4871256)

The `smosservice add` command does not install any packages that are designated ARCH=all in the root (`/`) or `/usr` file systems. There is no error message indicating these packages were skipped. This problem exists in all Solaris OS versions, and applies to both SPARC® based and x86 based clients.

Note that the list of missing packages varies, depending on the Solaris release that you are running.

Workaround: Locate and install the missing ARCH=all packages.

For step-by-step instructions on locating and installing missing packages, see “How to Locate and Install Missing ARCH=all Packages” in *System Administration Guide: Basic Administration*.

StarOffice Patch Application Requires Additional Steps

The following patches are applied to the Solaris OS to resolve StarOffice™ problems that were reported in CR 6234855 and CR 6262830:

- For SPARC based systems
 - Patch ID 119412-06
 - Patch ID 119906-03

- For x86 based systems:
 - Patch ID 119413-06
 - Patch ID 119907-03

To completely resolve the reported problems, perform the following steps after applying the patches. These steps enable you to use StarOffice 7 Product 5 software to open, for example, those OpenDocument files that were created in StarOffice 8 software.

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

```
# update-mime-database /usr/share/mime
```

3. Log out of the system and then log in again.

StarOffice and StarSuite Software Cannot Coexist in the Same System

When you install Solaris 10 OS, either the StarOffice or the StarSuite™ software is also automatically installed, depending on which language you select. The languages and the corresponding software that these languages support are listed as follows:

Selected Language	Supported Software
Chinese, Japanese, Korean	StarSuite
Other languages	StarOffice

StarOffice and StarSuite cannot coexist in the same system. If you want to replace a software that you accidentally installed, follow these steps.

1. Insert the Solaris 10 Software - 3 CD or Solaris 10 Operating System DVD in the drive.
2. Become superuser.
3. Change to the Product directory, for example, /cdrom/cdrom0/Solaris_10/Product.
4. Replace the software.

- To replace StarOffice with StarSuite, use the following commands:

```
# pkgrm SUNWsogm SUNWsom
# pkgadd -d . SUNWsoagm SUNWsoam
```

- To replace StarSuite with StarOffice, use the following commands:

```
# pkgrm SUNWsoagm SUNWsoam
# pkgadd -d . SUNWsogm SUNWsom
```

Cannot Install Documentation Packages With Names Longer Than Nine Characters on Documentation Servers Running Solaris 7 or Solaris 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.

Workaround: For instructions on how to install these patches, see the Solaris Documentation Important Information file on Solaris 10 OS Documentation DVD. This file is located in the following directory:

```
mount-point/README/locale/install_  
locale.html
```

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 10 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.

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 10 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.

Solaris Runtime Issues

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

Note – Some of the issues and bugs in this chapter have been fixed in subsequent Solaris 10 releases. If you have upgraded your Solaris software, certain issues and bugs in this chapter might no longer apply. To see which bugs and issues no longer apply to your specific Solaris 10 software, refer to [Appendix A](#).

Common Desktop Environment

The following bugs in Solaris 10 OS apply to the Common Desktop Environment (CDE).

x86: Cannot Configure Full-Screen Magnification on Systems With One Video Card

If your Solaris 10 system has a single physical video card, you cannot configure the system for full-screen magnification. For such a configuration, you must use a separate configuration file in which you define settings for a dummy driver. First, make sure that the Xserver is not running. Then perform the following steps:

1. Log in to a command-line session.
 - If you are using the GNOME Display Manager, follow these steps:
 - a. Log in to a session as superuser.
 - b. At the prompt, type `svcadm disable application/gdm2-login`.
 - c. Log in again as superuser.
 - If you are using dtlogin, follow these steps:
 - a. In the dtlogin window, click Options and select Command Line Login.
 - b. Log in as superuser.

2. Create a new `xorg.conf` file.

```
# /usr/X11/bin/Xorg -configure
```

The command creates the file `xorg.conf.new` in the root (`/`) directory.

3. Copy the new configuration file to the `/etc/x11` directory and rename the file `xorg.conf`.

```
# cp /xorg.conf.new /etc/X11/xorg.conf
```

4. Modify the configurations in the file by using the following sample configurations:

- Add a new monitor section.

```
Section "Monitor"
    Identifier   "monitor_dummy"
    ModelName    "dummy"
    HorizSync   10-200
    VertRefresh  20-90
EndSection
```

- Add a new device section.

```
Section "Device"
    BoardName    "dummy"
    Driver       "dummy"
    Identifier   "device_dummy"
    VendorName   "dummy"
    videoram     10000
EndSection
```

Note – You might need to adjust the `videoram` value, depending on the screen width, height, and color depth of your particular graphics card. The value in Kbytes must be large enough for the intended screen. For example, you can compute the value by using the formula `width * height * bpp/8`.

- Add a new screen section.

```
Section "Screen"
    DefaultDepth 24
    SubSection "Display"
        Depth     24
        Modes     "1280x1024"
    EndSubSection
    Device       "device_dummy"
    Identifier   "screen_dummy"
    Monitor      "monitor_dummy"
EndSection
```

Note – You might need to adjust the resolution value for your particular system setup.

5. Look for the following line under the ServerLayout section:

```
Screen      0  "Screen0"  0 0
```

6. Insert the following line below the line in the previous step:

```
Screen      1  "screen_dummy" RightOf "Screen0"
```

This new line defines Screen1, a second dummy screen that is notionally to the right of Screen0, the physical and primary screen.

7. Save the changes.
8. Reboot the system from the appropriate command-line session:
 - If you are using GDM, perform the following:
 - a. Type **svcadm enable application/gdm2-login**.
 - b. Reboot the system.
 - If you are using dtlogin, reboot the system and log in.
9. Start the Gnopernicus screen reader.
10. Change the Startup Mode to Magnifier.
11. Click Preferences, then select Magnifier.
12. Click Add/Modify.
13. Assign the following values for Magnifier preferences:
 - For Source: 0.1
 - For Zoomer Placement:
 - Left and Top: 0
 - Bottom and Right: maximum
14. Click Apply.

Because of the overlaying full-screen magnification zoomer, the Gnopernicus windows become invisible. However, full-screen magnification is now available.

x86: Problems Configuring USB Mouse Device as Extension Device for Use With GNOME On-Screen Keyboard

You cannot set up a USB mouse device as an extension device with the GNOME On-Screen Keyboard (GOK). The configuration fails when you are setting up the USB mouse device while using a PS2 mouse device as the core pointer. To properly set up the USB mouse, follow these steps.

1. Log in as superuser.

2. While the USB mouse device is unplugged, type the following in a terminal window:

```
# ls -l /dev/usb/hid*
```

3. Connect the USB mouse and type the previous command again.
4. Record the path of the USB mouse that is displayed on the screen.
5. Log in to a command-line session.
 - If you are using the GNOME Display Manager, follow these steps:
 - a. Log in to a session as superuser.
 - b. At the prompt, type **svcadm disable application/gdm2-login**.
 - c. Log in again as superuser.
 - If you are using dtlogin, follow these steps:
 - a. In the dtlogin window, click Options and select Command Line Login.
 - b. Log in as superuser.
6. Create a new `xorg.conf` file.

```
# /usr/X11/bin/Xorg -configure
```

The command creates the file `xorg.conf.new` in the root (`/`) directory.

7. Copy the new configuration file to the `/etc/x11` directory and rename the file `xorg.conf`.

```
# cp /xorg.conf.new /etc/X11/xorg.conf
```

8. Modify the configurations in the file:
 - In the `ServerLayout` section, add an input device for `Mouse1` after the line `InputDevice "Mouse0" "CorePointer"`. See the following example:

```
InputDevice "Mouse0" "CorePointer"  
InputDevice "Mouse1"
```

- In the `InputDevice` section that contains the line `Identifier "Mouse0"`, apply the following changes:
 - Change Option `"Device" "/dev/mouse"` to Option `"Device" "/dev/kdmouse"`.
 - Change Option `"Protocol" "auto"` to Option `"Protocol" "VUID"`.
 - Add the following new Option:

```
Option "StreamsModule" "vuid3ps2"
```

After you have applied the changes, the section should appear similar to the following example:

```
Section "InputDevice"  
    Identifier "Mouse0"  
    Driver "mouse"  
    Option "Protocol" "VUID"
```



```

Option      "Device"    "/dev/kdmouse"
Option      "StreamsModule" "vuid3ps2"
EndSection

```

- Create a new InputDevice section after the preceding InputDevice section:

```

Section "InputDevice"
Identifier "Mouse1"
Driver     "mouse"
Option     "Device" "/dev/usb/hid1"
EndSection

```

Note – /dev/usb/hid1 is an example path for the USB mouse. Use the path in Step 4 to replace /dev/usb/hid1.

9. Save the file and exit.
10. Reboot the system from the appropriate command-line session:
 - If you are using GDM, perform the following:
 - a. Type **svcadm enable application/gdm2-login**.
 - b. Reboot the system.
 - If you are using dtlogin, reboot the system.
11. Log in to the accessible UI user's account.
12. Enable Assistive Technology Support by clicking Launch Menu => Preferences => Accessibility => Assistive Technology Support.
13. Log out of the system then log in to the accessible UI user's account again.
14. Open a terminal window and type the following command:

```
% /usr/sfw/bin/gok --select-action=switch1
```

15. In the GOK window, click GOK and select Preferences.
16. If necessary, set up GOK to the accessible UI user's needs. Otherwise, to accept the current setup, click Apply then click OK in the GOK Preferences window.
17. Exit GOK and then restart it by clicking Launch Menu => Applications => Accessibility => On-Screen Keyboard. The following warning message might be displayed:

```
The device you are using to control GOK is
also controlling the system pointer.
```

18. Click OK.
19. Exit GOK and then repeat steps 14-17.
 - The warning message is no longer displayed.

x86: Support for Intel Integrated i810 and i815 Graphics Chipsets

Intel Integrated i810 and i815 Graphics Chipsets are not supported by the Xorg X Window System server. Support is available with the Xsun server. To configure the Xsun server to use these chipsets, follow these steps:

1. Become superuser.
2. Run the program to configure keyboard, display, and mouse.

kdmconfig

3. On the Introduction and X Server Selection screen, select the Xsun server.
On the View and Edit Window System Configuration screen, Intel i810/i815 (4MB) should be automatically selected and displayed as the Video Device.
4. If the Intel i810 and i815 Chipsets are not automatically selected, select the Change Video Device/Monitor option.
5. On the Video Device Selection screen, select the Intel i810/i815 (4MB) option.
6. Continue to select other `kdmconfig` options.

Arabic Text Not Appearing in ar Locales

If your x86 system is using Xorg as the default Xserver, the Arabic font (iso7759-6) does not appear in the `ar` locale. This error does not occur if you are using XSun instead of XOrg.

Workaround: Follow these steps.

1. As superuser, edit `/usr/dt/config/Xservers`.

- Uncomment or add the following line:

```
:0 Local local_uid@console root /usr/openwin/bin/Xsun :0
-nobanner -defdepth 24
```

- Comment out the following line:

```
:0 Local local_uid@console root /usr/X11/bin/Xorg :0
```

2. Reboot the system.

Alternatively, you can log in to `ar_EG.UTF-8` or other UTF-8 locales.

x86: Time Settings Might Cause Key Combinations to Fail to Start Assistive Technologies in the Sun Java Desktop System (6351923)

Problems might occur if you use the AT keyboard to start the following assistive technologies in the Sun Java™ Desktop System (Java DS). Default time settings might cause the use of key combinations to fail to start these technologies:

- GNOME On-Screen Keyboard (GOK)
- Magnifier
- Speech

Workaround: Follow these steps to start these technologies by using the keyboard when you log in.

1. Open the `/etc/X11/gdm/modules/AccessKeyMouseEvents` file.
2. Navigate to the line that defines the default minimum and maximum time limits for keystrokes.

For example, for GOK, the line is the following:

```
Controkl 1 1000 10000 gok --login --access-method=directselection
```

3. Modify the line by performing the following:
 - a. Change the minimum and maximum time settings.
 - b. Ensure that you include the correct path for GOK, `/usr/sfw/bin/gok`.

After you have completed the changes, the sample line should appear as follows:

```
Controkl 1 10 100 /usr/sfw/bin/gok --login --access-method=directselection
```

Launch Menu Cannot Be Opened With Ctrl-Esc (6340714)

A problem occurs if you configure the Magnifier with two virtual or physical video devices in the following manner:

- The Magnifier's source set is :0.1.
- The Magnifier's target set is :0.0.

In this configuration, the key combination Ctrl-Esc cannot open the Launch menu on the magnified second desktop system.

Workaround: None.

x86: Problems With dtlogin When Using UTF-8 Locales (6334517)

If you upgrade an x86 based system from Solaris 9 9/04 release to any release of the Solaris 10 software, the login program might not work. The problem occurs when you select any UTF-8 locale in the dtlogin GUI. When the error occurs, the GUI generates a core dump.

Workaround: Do not select any UTF-8 locale from the Language pull-down menu under Options.

SPARC: Problems Configuring Preferences With the GNOME On-Screen Keyboard (6329929)

Software problems affect the use of extended devices such as a second mouse device or a USB head tracker with the GNOME On-Screen Keyboard (GOK). Consequently, the user preferences Dwell Selection and Direct Selection cannot be set by using GOK. Instead, you need to set these user preferences by using a physical keyboard and mouse device.

Workaround: After you have set the system to use an extended device, perform the following procedures in sequence.

First, set GOK to ensure that the core pointer is controlled by the primary mouse device. Other extended devices are then reserved for use by AT applications. Follow these steps when starting GOK for the first time:

1. Start GOK.
2. In the window where Sticky Keys have been activated, press Enter.
3. In the window that prompts you to use core pointer mode, use the arrow keys to highlight Cancel, then press Enter.
4. To set user preferences, click GOK and select Preferences.
5. Configure Dwell Selection or Direct Selection.
 - To configure Dwell Selection, follow these steps:
 - a. Click the Access Methods tab.
 - b. Choose Dwell Selection from the Method drop-down menu.
 - c. Click the Actions tab and perform the following:
 - Choose Dwell from the Name drop-down menu.
 - Check that Activate on Dwell is selected for Behavior.
 - Check that Other input device is selected for Event Source.
 - d. Click Apply.
 - e. In the Actions tab, perform the following:
 - Choose Mouse Pointer from the Name drop-down menu.
 - Check that Activate on Enter is selected for Behavior.

- f. Click Apply, then click OK.
- g. Exit the GOK window.
- h. Log out and log in again.
- To configure Direct Selection, follow these steps:
 - a. Click the Access Methods tab.
 - b. Choose Direct Selection from the Method drop-down menu.
 - c. From the Activate drop-down menu, choose Switch1 to use mouse button 1 on the second mouse.
 - d. Click Apply, then click OK.
 - e. Exit the GOK window.
 - f. Log out and log in again.

x86: GNOME Applications Fail With dtremote (6278039)

GNOME applications do not start if you log in remotely and enable accessibility in `gnome-at-properties`. If you attempt to start a GNOME application, the following error message is displayed:

```
** ERROR **: Accessibility app error:
exception during registry activation from id:
IDL:Bonobo/GeneralError:1.0
aborting...
```

Workaround: None. Do not enable accessibility when you log in by using dtremote.

To revert to the default desktop settings in which accessibility is disabled, close the GNOME session. Issue the following command:

```
% gnome-clean
```

Full-Screen Magnification and Keyboard Accessibility Features Not Working (6273030)

On your Java Desktop System software, you cannot set up the following:

- Full-screen magnification
- Keyboard accessibility features

Workaround: Perform the following steps:

1. Open the `/etc/X11/gdm/gdm.conf` file.

2. Depending on your system's platform, perform the following:

- On SPARC based systems:

a. Look for the line in the file that begins as follows:

```
command=/usr/openwin/bin/Xsun
```

b. Append the following modification to the line:

```
+kb +accessx -dev framebuffer1 -dev  
framebuffer2
```

For example:

```
+kb +accessx -dev /dev/fbs/pfb1 -dev /dev/fbs/pfb0
```

- On x86 based systems:

a. Look for the line in the file that begins as follows:

```
command=/usr/X11R6/bin/Xorg
```

b. Append the following modification to the line:

```
+kb +accessx
```

x86: kdmconfig Command Does Not Create System Identification Configuration File for Xorg X Server (6217442)

If you use the JumpStart installation method, the process might use a system identification configuration (`sysidcfg`) file. This file is used to generate a specific Xsun configuration file for a system. The Xsun configuration portion of a `sysidcfg` file is created by the command `kdmconfig -d filename`. However, on systems that use the default Xorg server, the command does not create a file with any Xorg configuration information. Consequently, you cannot use the JumpStart method on these systems without some additional preparatory steps.

Workaround: Before using the JumpStart installation method on a system that uses the Xorg server, perform the following steps.

1. Prepare a specific `xorg.conf` file to be used on the system. Store this file in the JumpStart directory of the JumpStart server.

For instructions to create an `xorg.conf` file and to access Xorg information, see [“x86: Program That Configures Keyboard, Display, and Mouse Not Working for X Server \(6178669\)”](#) on page 80.

2. Create a finish script that copies the `xorg.conf` file to the `/etc/X11` directory in the system that you want to install. For example, the script might include the following line:

```
cp ${SI_CONFIG_DIR}/xorg.conf /etc/X11/Xorg.conf
```

3. In the custom JumpStart rules file, include the finish script in the rules entry for systems of the type that you want to install.
4. Perform the custom JumpStart installation.

For instructions about how to perform a custom JumpStart installation, see the *Solaris 10 6/06 Installation Guide: Custom JumpStart and Advanced Installations*. Chapter 4 includes information about the JumpStart rules file, while Chapter 5 contains a section about finish scripts.

Desktop Icons Invisible on Second Desktop System (6211279)

A problem occurs if you configure the Magnifier with two virtual or physical video devices in the following manner:

- The Magnifier's source set is :0.1.
- The Magnifier's target set is :0.0.

In this configuration, no icons appear on the screen of the second desktop system.

Workaround: None.

x86: kdmconfig Instructions to Configure Xorg X Server Are Incomplete (6205881)

Instructions that are provided in the `kdmconfig` program to configure the Xorg server are incomplete. The program lists basic instructions to generate an `xorg.conf` file. However, some relevant information is unavailable. For example, options in the `xorg.conf` file can be overridden in several places:

- Command-line options
- Information that is detected by the Xorg server when the server starts
- The startup scripts for the Xorg server, which might include passing overriding arguments

Thus, for more information about Xorg configuration, refer to the following sources:

- Xorg(1x) man page in the `/usr/X11/man` directory
- Man pages for the desktop systems that use the X server, such as the following:
 - `dtlogin(1X)` in the `/usr/dt/man` directory
 - `gdm(1)` in the `/usr/share/man` directory

If these directories are not in your man path, use one of these options:

- Add the directory to the `MANPATH` environment variable setting.

- Use the `-M` directory option of the `man` command.

Some scripts that start the Xorg server use `smf(5)` repository properties. In particular, the FMRI `svc:/applications/x11/x11-server` is used for storing X server properties. The following properties are relevant to the Xorg server:

- `options/xserver`
- `options/default_depth`
- `options/server_args`

You can set and retrieve these properties by becoming superuser and using the `svccfg` command, as shown in the following example:

```
# svccfg
svc:> select application/x11/x11-server
svc:/application/x11/x11-server> listprop options/default_depth
options/default_depth integer 24

svc:/application/x11/x11-server> setprop options/default_depth = 8
svc:/application/x11/x11-server> listprop options/default_depth
options/default_depth integer 8

svc:/application/x11/x11-server> end
#
```

x86: Program That Configures Keyboard, Display, and Mouse Not Working for X Server (6178669)

In this current Solaris 10 release, the default X server has changed from Xsun to Xorg. The program that configures keyboard, display, and mouse (`kdmconfig`) applies only to the Xsun server. The program has no effect on Xorg server configuration. Consequently, you cannot use `kdmconfig` to configure the Xorg server. While `kdmconfig` allows you to select which server to use, `kdmconfig` only configures the Xsun server.

Workaround: To configure the Xorg server, perform the following steps:

1. Create an `xorg.conf` file with one of these commands:
 - `/usr/X11/bin/Xorg -configure`
 - `/usr/X11/bin/xorgconfig`
 - `/usr/X11/bin/xorgcfg`
2. Edit the resultant `xorg.conf` file with the necessary changes.
3. Move the `xorg.conf` file to `/etc/X11/xorg.conf`.

For more details about Xorg configuration, refer to the Xorg man pages in `/usr/X11/man`. This directory is not in the default man page path. To view these man pages, use one of the following options:

- Add the path to the settings of the environment variable `MANPATH`.
- Use the syntax `man -M /usr/X11/man`.

Note – Xorg command line options can override `xorg.conf` settings. See the man pages for more details about options to use with Xorg.

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 10 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.

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.

Documentation DVD

The following Documentation DVD bugs apply to the Solaris 10 release.

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.

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

On systems that are running the current Solaris 10 release, PDF documents on the Solaris 10 Documentation DVD are not accessible in the following European locales:

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

Workaround: Choose one of the following workarounds.

- On x86 based platforms, 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
```

- On SPARC based systems, upgrade to Adobe Acrobat Reader 5.0 or a later version.

File Systems

The following file system bugs apply to the Solaris 10 release.

ZFS and UNIX/POSIX Compliance Issues

ZFS is designed to be a POSIX compliant file system and in most situations, ZFS is POSIX compliant. However, two edge case conditions exist when ZFS does not meet the POSIX compliance tests:

1. Updating ZFS files system capacity statistics.
2. Modifying existing data with a 100 percent full file system.

Related CRs:

- 6362314
- 6362156
- 6361650
- 6343113
- 6343039

Adding ZFS Patch to a Solaris 10 6/06 System Causes Spurious Warning Messages (6429860)

Adding ZFS patches to a Solaris 10 6/06 system causes spurious warning messages from the `patchadd` command because the ZFS packages are being added to the system for the first time. The following error message is displayed:

```
The following requested patches have packages not installed on the system:  
Package SUNWzfskr from directory SUNWzfskr in patch 122641-03  
is not installed on the system.
```

```
Changes for package SUNWzfskr will not be applied to the system.
```

Workaround:

Ignore the spurious messages from the `patchadd` command.

ufsrestore Does Not Use `acl_set()` For Setting ACLs (6421216)

The `ufsrestore` utility generates errors if a UFS archive with POSIX-draft ACLs is restored in a ZFS file system. The files are restored correctly, but the ACL information is ignored.

During the `ufsrestore` operation, the following error message is generated:

```
setacl failed: Invalid argument
```

Workaround:

Use any of the following ACL-aware commands to transfer UFS files with ACLs to a ZFS file system:

- cp
- mv
- tar
- cpio
- rcp

The POSIX-draft ACLs are translated into the equivalent NFSv4-style ACLs.

fdisk -E Can Sweep Disk Used by ZFS Without Warning (6412771)

If you use the `fdisk -E` command to modify a disk that is used by a ZFS storage pool, the pool becomes unusable and might cause an I/O failure or system panic.

Workaround:

Do not use the `fdisk` command to modify a disk that is used by a ZFS storage pool. If you need to access a disk that is used by a ZFS storage pool, use the `format` utility. In general, disks that are in use by file systems should not be modified.

x86: BIOS Hangs on Reboot After Using ZFS on Sun Ultra 20 or Sun Fire X2100 (6363449)

A Sun Ultra™ 20 workstation or Sun Fire™ X2100 server might hang on reboot if disks connected these systems to contain a ZFS storage pool.

BIOS versions that might exhibit this problem are:

- Sun Ultra 20 workstations with a BIOS version lower than 2.2.3
- Sun Fire X2100 servers with a BIOS version lower than 1.1.1

Workaround:

1. Disconnect the disks that are used by ZFS before rebooting the system until the minimum BIOS level that supports ZFS on these systems can be installed.
2. From the release 1.4 Supplemental CD, install the minimum supported BIOS version to support ZFS. The supported BIOS versions are:
 - BIOS version 2.2.3 for Sun Ultra 20 workstations.
 - BIOS version 1.1.1 for Sun Fire X2100 servers. You can also download the supplemental CD image for release 1.4 from the following locations:
 - Ultra 20: <http://www.sun.com/desktop/workstation/ultra20/downloads.html>
 - Sun Fire X2100: <http://www.sun.com/servers/entry/x2100/downloads.jsp>

ZFS and Third-Party Backup Product Issues

The following are the issues with the Veritas NetBackup and Sun StorEdge™ Enterprise Backup Software (EMC and Legato NetWorker®) products.

Veritas NetBackup Does Not Back Up and Preserve Files With ZFS/NFSv4 ACLs (6352899)

The Veritas NetBackup product can be used to back up ZFS files, and this configuration is supported. However, this product does not currently support backing up or restoring NFSv4-style ACL information from ZFS files. Traditional permission bits and other file attributes are correctly backed up and restored.

If a user tries to back up or restore ZFS files, the NFSv4-style ACL information from ZFS files is silently dropped. There is no error message indicating that the ACL information from ZFS files has been dropped.

Support for ZFS/NFSv4 ACLs is under development and is expected to be available in the next Veritas NetBackup release.

Workaround 1:

As of the Solaris 10 06/06 release, both the `tar` and `cpio` commands correctly handle ZFS files with NFSv4-style ACLs.

Use the `tar` command with the `-p` option or the `cpio` command with the `-P` option to write the ZFS files to a file. Then, use the Veritas NetBackup to back up the `tar` or `cpio` archive.

Workaround 2:

As an alternative to using Veritas NetBackup, use the ZFS `send` and `receive` commands to back up ZFS files. These commands correctly handle all attributes of ZFS files.

Legato Networker Needs to Support ZFS/NFSv4 ACLs (6349974)

Currently, the Sun StorEdge Enterprise Backup Software product cannot be used to back up or restore ZFS files.

If a user tries to back up or restore ZFS files, the following error message is displayed:

```
save: Unable to read ACL information for '/path': Operation not applicable
```

The support for ZFS/NFSv4 ACLs is expected to be available in the upcoming Sun StorEdge EBS 7.3 Service Update 1 release.

Workaround:

1. Mount the ZFS file system by using NFSv4 on another system.
2. Back up or restore the ZFS files from the NFSv4-mounted directory.

ZFS GUI Should Check For `/usr/lib/embedded_su` at the Beginning of Each Wizard (6326334)

If you add the `SUNwzfs` package from a Solaris 10 6/06 release to a system that runs a pre-Solaris 10 6/06 release, which does not have the `embedded_su` patch, the ZFS Administration application wizards are not fully functional.

If you attempt to run the ZFS Administration application on a system without the `embedded_su` patch, you will only be able to browse your ZFS configuration. The following error message is displayed:

```
/usr/lib/embedded_su: not found
```

Workaround:

Add the `embedded_su` patch (119574-02) to the system that runs a pre-Solaris 10 6/06 release.

`du` Reports Wrong Size Information on RAID-Z (6288488)

For a RAID-Z virtual device, the following commands report inflated “space used” and “space available” size information:

- `du`
- `df`
- `zfs list`

The reported space information includes the space used to store the parity data.

Fails to Sync File System on Panic (6250422)

If a host panics with file system I/O occurring to a target, which is connected by using the Solaris iSCSI software initiator, the I/O might not be able to flush or sync to the target device. This inability to flush or sync might cause file system corruption. No error message is displayed.

Workaround:

Use the journaling file system like UFS. Starting with Solaris 10, UFS logging is enabled by default. For more information about UFS, see “What’s New in File Systems in the Solaris 10 Release?” in *System Administration Guide: Devices and File Systems*.

Need Itinerary so That Interrupted scrub or resilver Doesn't Have to Restart (2136811)

If a ZFS snapshot is created while a data scrub or resilver operation is in progress, the scrub or resilver operation will restart from the beginning. If snapshots are taken frequently, the scrub or resilver operation might never complete.

Workaround:

Do not take snapshots while a scrub or resilver operation is in progress.

Upgrading From Some Solaris Express or Solaris 10 Releases Requires Remounting of File Systems

After you upgrade an NFSv4 server from 6/05 to Solaris Express 7/05 or later (including all Solaris 10 updates), your programs might encounter EACCES errors. Furthermore, directories might erroneously appear to be empty.

To prevent these errors, unmount and then remount the client file systems. In case unmounting fails, you might need to forcibly unmount the file system by using `umount -f`. Alternatively, you can also reboot the client.

NFSv4 Access Control List Functions Might Work Incorrectly

NFSv4 Access Control List (ACL) functions might work improperly if clients and servers in the network are installed with different previous Solaris 10 releases. The affected ACL functions and command-line utilities that use these functions are the following:

- `acl()`
- `facl()`
- `getfacl`
- `setfacl`

For more information about these functions and utilities, see their respective man pages.

For example, errors might be observed in a network that includes the following configuration:

- A client that is running Solaris 10 Beta software
- A server that is running Solaris 10 software

The following table illustrates the results of the ACL functions in client-server configurations with different Solaris 10 releases.

Operation	Client S10 OS	Server S10 OS	Result
get ACL	S10 Beta	S10 OS	fabricated ACL*
get ACL	S10 OS	S10 Beta	works ok
set ACL	S10 Beta	S10 OS	works ok
set ACL	S10 OS	S10 Beta	Error: EOPNOTSUP

Workaround: For the NFSv4 ACL functionality to work properly, perform a full installation of the Solaris 10 OS on both the server and the client.

Access Problems Between Solaris NFSv4 Clients and NFSv4 Servers

In the current Solaris 10 version, Solaris implementation of NFSv4 Access Control Lists (ACL) is now compliant with RFC 3530 specifications. However, errors occur for NFSv4 clients that use the Solaris 10 Beta 2 or Beta 1 versions. These clients cannot create files in the NFSv4 servers that are using the current Solaris 10 release. The following error message is displayed:

```
NFS getacl failed for server_name: error 9 (RPC: Program/version mismatch)
```

Workaround: None.

Using `mkfs` Command to Create File System Might Fail on Very Large Disks (6352813)

The `mkfs` command might be unable to create a file system on disks with a certain disk geometry and whose sizes are greater than 8 Gbytes. The derived cylinder group size is too large for the 1-Kbyte fragment. The large size of the cylinder group means that the excess metadata cannot be accommodated in a block.

The following error message is displayed:

```
With 15625 sectors per cylinder, minimum cylinders
per group is 16. This requires the fragment size to be
changed from 1024 to 4096.
Please re-run mkfs with corrected parameters.
```

Workaround: Use the `newfs` command instead. Or, assign a larger fragment size, such as 4096, when you use the `mkfs` command.

File System Creation Might Fail on Small Slices (6346510)

Creating a UFS file system with the `newfs` command might fail under the following conditions:

- The size of the slice is small, approximately less than 4 Mbytes.
- The size of the disk exceeds 8 Gbytes.

The error is caused by the large-size requirement of the file system for metadata. The following warning message is displayed:

```
Warning: inode blocks/cyl group (295) >= data blocks (294) in last
        cylinder group. This implies 4712 sector(s) cannot be allocated.
/dev/rdisk/c0t0d0s6:    0 sectors in 0 cylinders of 48 tracks, 128 sectors
                    0.0MB in 0 cyl groups (13 c/g, 39.00MB/g, 18624 i/g)
super-block backups (for fsck -F ufs -o b=#) at:
#
```

Workaround: As superuser, perform one of the following workarounds:

- **Workaround 1:** Specify the number of tracks when you use the `newfs` command. Follow these steps.
 1. Use the `format` command to find out the number of tracks to assign. For example:

```
# format

Searching for disks...done
AVAILABLE DISK SELECTIONS:
    0. c0t0d0 <SUN18G cyl 7506 alt 2 hd 19 sec 248>
       /pci@1f,4000/scsi@3/sd@0,0
Specify disk (enter its number):
```

In the example, the number of tracks is 19.

2. Assign the number to the file system that you create with the `newfs` command. For example:

```
# newfs -v -t 19 /dev/dsk/c0t0d0s6

newfs: construct a new file system /dev/rdisk/c0t0d0s6: (y/n)? y
mkfs -F ufs /dev/rdisk/c0t0d0s6 4712 -1 19 8192 1024 16 10 167 2048
t 0 -1 8 128 n
mkfs: bad value for nsect: -1 must be between 1 and 32768
mkfs: nsect reset to default 32
Warning: 152 sector(s) in last cylinder unallocated
/dev/rdisk/c0t0d0s6:    4712 sectors in 8 cylinders of 19 tracks,
                    32 sectors
                    2.3MB in 1 cyl groups (16 c/g, 4.75MB/g, 2304 i/g)
super-block backups (for fsck -F ufs -o b=#) at:
```

```
32,
```

```
#
```

- Workaround 2:** Specify the number of bytes per inode (nbpi) in the `newfs` command to reduce the inode density in the file system. For example:

```
# newfs -i 4096 /dev/dsk/c0t0d0s6
newfs: construct a new file system /dev/rdisk/c0t0d0s6: (y/n)? y
Warning: 1432 sector(s) in last cylinder unallocated
/dev/rdisk/c0t0d0s6: 4712 sectors in 1 cylinders of 48 tracks,
128 sectors
2.3MB in 1 cyl groups (16 c/g, 48.00MB/g, 11648 i/g)
super-block backups (for fsck -F ufs -o b=#) at:
32,
#
```

Undetected Write Errors in NFSv4 Client With Full File System (6346204)

An NFSv4 client whose file system is near full capacity mishandles error codes that are returned from the server. The client receives the correct (NFS4ERR_NOSPC) error code from the server. However, the client fails to transmit the (ENOSPC) error code to the application. The application does not receive the error notifications through the normal system functions such as `write()`, `close()`, or `fsync()`. Consequently, the application's continuous attempts to write or modify data can cause data loss or corruption.

The following error message is recorded in `/var/adm/messages`:

```
nfs: [ID 174370 kern.notice] NFS write error on host hostname
```

```
:
```

```
No space left on device.
```

```
nfs: [ID 942943 kern.notice] File: userid=uid, groupid=gid
```

```
nfs: [ID 983240 kern.notice] User: userid=uid, groupid=gid
```

```
nfs: [ID 702911 kern.notice] (file handle: 86007000 2000000 a000000 6000000
32362e48 a000000 2000000 5c8fa257)
```

Workaround: Do not perform work on client systems whose file systems are near full capacity.

System Crash Dump Fails on Devices Greater Than 1 TByte (6214480)

The system cannot generate a dump on a partition that is equal to or greater than 1 Tbyte in size. If such a device is on a system, the following might occur after the system boots subsequent to a system panic:

- The system does not save the dump.
- The following message is displayed:

```
0% done: 0 pages dumped, compression ratio 0.00, dump failed: error 6
```

Workaround: Configure the size of your system’s dump device to less than 1 Tbyte.

Using `smoservice` Command to Add OS Services Results in Insufficient Disk Space Message (5073840)

If you use the `smoservice` command to add OS services to a UFS file system, a message that there is insufficient disk space available is displayed. This error is specific to UFS file systems on EFI-labeled disks.

Workaround: Complete the following workaround.

1. Apply the SMI VTOC disk label.
2. Re-create the file system.
3. Rerun the `smoservice` command.

Hardware–Related Issue and Bugs

The following hardware–related issue and bugs apply to the Solaris 10 release.

Registration Tool Prevents Power Management on Some Framebuffers (6321362)

If the background processes for the registration tool are left running, the `Elite3D` and `Creator3D` framebuffers stop power management. This failure reduces the power savings when the system is in a power-managed state. Under certain conditions, `sys-suspend` might also hang. No error message is displayed. The system might hang during a system suspend or resume operation.

Workaround:

Run the following command approximately 60 seconds after each login:

```
# pkill -f basicreg.jar
# pkill -f swupna.jar
```

SPARC: Sun Crypto Accelerator 4000 Board Versions 1.0 and 1.1 Not Supported in Solaris 10 OS

A new cryptographic framework is provided in Solaris 10 OS. However, versions 1.0 and 1.1 of the Sun Crypto Accelerator 4000 board's software and firmware do not utilize this framework. Consequently, these versions are not supported in the Solaris 10 OS.

The 2.0 release uses the new framework. This release is available as a free upgrade to current Sun Crypto Accelerator 4000 users who plan to use Solaris 10 OS. Because the Sun Crypto Accelerator 4000 is an export-controlled product, you must contact Sun Enterprise Services or your local sales channel to obtain the free upgrade. Additional information is available on the Sun Crypto Accelerator 4000 web page at Sun's [products site](#).

Certain USB 2.0 Controllers Are Disabled

Support for certain USB 2.0 controllers has been disabled because of incompatibilities between these devices and the EHCI driver. The following message is displayed:

```
Due to recently discovered incompatibilities with this
USB controller, USB2.x transfer support has been disabled.
This device will continue to function as a USB1.x controller.
If you are interested in enabling USB2.x support please refer
to the ehci(7D) man page.
Please refer to www.sun.com/io for Solaris Ready products
and to www.sun.com/bigadmin/hcl for additional compatible
USB products.
```

For the latest information about USB devices, see
http://www.sun.com/io_technologies/USB-Faq.html.

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

x86: Limitations Exist With Certain Device Drivers in Solaris 10 OS

The following list describes limitations with certain drivers and interfaces in this release of Solaris 10 for x86 platforms:

- | | |
|-------------------|--|
| Checkpoint Resume | This functionality is turned off for all device types. In the <code>DDI_SUSPEND</code> code in your <code>detach()</code> function, you should return <code>DDI_FAILURE</code> . |
| Power Management | This functionality is unavailable to USB devices. Do not create power management components. Write your driver so that <code>pm_raise_power()</code> and <code>pm_lower_power()</code> are called only when power management components are created. |

DVD-ROM/CD-ROM Drives on Headless Systems

Power management of interactive devices such as removable media is linked with power management of your monitor and the graphics card that drives your monitor. If your screen is active, devices such as the CD-ROM drive and diskette remain at full-power mode. These devices might switch to low-power mode on a system without a monitor. To restore power to the CD or diskette, type **volcheck** to obtain the latest status from each removable device.

Alternatively, you can disable power management on your system by using the Dtpower GUI. By disabling power management, these devices are constantly at full power.

x86: Manual Configuration Required to Specify Non-US English Keyboards

By default, the `kdmconfig` program specifies Generic US-English(104-Key) as the keyboard type that is connected to the system. If the system's keyboard is not a US-English keyboard, you must manually specify the keyboard type during installation. Otherwise, installation continues by using the default keyboard specification that is inconsistent with the system's actual keyboard type.

Workaround 1: If the system's keyboard is not a US-English keyboard, perform the following steps during installation:

1. When the Proposed Window System Configuration For Installation is displayed, press Esc.

Note – The information on the Proposed Window System Configuration For Installation, which includes the keyboard type, is displayed only for 30 seconds. If you want to change configuration settings, you must press Esc before the 30 seconds lapse. Otherwise, the installation continues by using the displayed settings.

2. Change the keyboard type to the type that corresponds to your system's keyboard.
3. Press Enter to accept the changes and continue with the installation.

Workaround 2: If you want to change the keyboard type in a system that is already running Solaris 10 OS, use the `kdmconfig` program. Choose the option that applies to the type of X server your system is running.

- If your system is running the Xsun server, follow these steps:
 1. Run `kdmconfig`.
 2. Use the Change Keyboard option to change the keyboard type.
 3. Save the configuration.
- If your system is running the default Xorg server, follow these steps:
 1. Run `kdmconfig`.
 2. Select the Xsun server.
 3. Use the Change Keyboard option to change the keyboard type.
 4. Save the configuration.
 5. Run `kdmconfig` again to switch to the Xorg server.

SPARC: Power Management in Sun Expert3D and Sun Elite3D Hardware Not Working Under Certain Circumstances (6321362)

Sun Expert3D or Sun Elite3D cards in Sun Blade™ 1000 or Sun Blade 2000 workstations normally switch to low-power mode after an idle period. However, if these cards are set as the primary head in the Xserver, power management does not work. The affected cards remain at full power and no power savings are realized. No error message is displayed.

Workaround: None.

SPARC: jfca Driver for Certain Host Bus Adapters That Are Connected to Tape Devices Might Cause Errors (6210240)

The jfca driver for the following host bus adapters (HBAs) might cause system panics or I/O failures when these HBAs are connected to tape devices:

- SG-PCI1FC-JF2
- SG-PCI2FC-JF2

The jfca driver for these HBAs is prone to race conditions when certain operations are being run, and thus causes the errors. The operations are the following:

- Link reset
- Loop reset
- Switch reset
- Repeated link failures

Error messages similar to the following examples might be displayed:

- I/O failure messages

```
jfca: [ID 277337 kern.info] jfca4: Sequencer-detected error. Recover
immediately.
last message repeated 18376 times
  jfca: [ID 716917 kern.notice] jfca4: ExgWarning: SendVerify(1): SHOULD
ABORT THE ORIG I/O PKG=30007520bd8!
scsi: [ID 107833 kern.warning] WARNING:
/pci@1e,600000/SUNW,jfca@3,1/fp@0,0/st@w2100001086108
628,1 (st3):
  SCSI transport failed: reason 'timeout': giving up
```

- System panic message

```
panic[cpu1]/thread=2a100497cc0:
BAD TRAP: type=31 rp=2a1004978d0 addr=a8 mmu_fsr=0 occurred in module
"jfca" due to a NULL pointer dereference
```

Workaround: Do not connect tape devices to either the SG-PCI1FC-JF2 or SG-PCI2FC-JF2 HBA.

Contention Exists Between Certain Devices That Share the Same Bus (6196994)

A bus contention occurs if Quad Fast-Ethernet (QFE) cards share the same bus with any of the following adapters:

- Sun GigaSwift adapter
- Sun Dual Gigabit Ethernet and Dual SCSI/P adapter
- Sun Quad Gigaswift Ethernet adapter

The infinite-burst parameter of the `ce` driver that is used by these adapters is enabled by default. Consequently, little or no bus time is available for the QFE ports that share the same bus.

Workaround: Do not place QFE cards on the same bus as the network adapters in the list.

hat_getkpfnum() DDI Function Is Obsolete (5046984)

The `hat_getkpfnum()` DDI function is obsolete. Developers should update their device drivers to not use the `hat_getkpfnum()` DDI interface. If drivers are using `hat_getkpfnum,()` warnings similar to the following example are displayed:

```
WARNING: Module mydrv is using the obsolete hat_getkpfnum(9F)
interface in a way that will not be supported in
a future release of Solaris. Please contact the
vendor that supplied the module for assistance,
or consult the Writing Device Drivers guide,
available from http://www.sun.com for migration
advice.
```

```
---
```

```
Callstack of bad caller:
    hat_getkpfnum_badcall+93
    hat_getkpfnum+6e
    mydrv_setup_tx_ring+2d
    mydrv_do_attach+84
    mydrv_attach+242
    devi_attach+6f
    attach_node+62
    i_ndi_config_node+82
    i_ddi_attachchild+4a
    devi_attach_node+4b
    devi_attach_children+57
    config_immediate_children+6e
    devi_config_common+77
    mt_config_thread+8b
```

To determine if a driver is using `hat_getkpfnum()`, consult the driver source code, or examine the driver's symbols by using `nm()`. Using the driver `mydrv` as an example, type the following syntax:

```
% nm /usr/kernel/drv/mydrv | grep hat_getkpfnum
```

For guidance about migrating drivers away from `hat_getkpfnum()`, refer to Appendix B, "Summary of Solaris DDI/DKI Services," in *Writing Device Drivers*.

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 following error message about the Enhanced Host Controller Interface (EHCI) is displayed:

```
WARNING: /pci@0,0/pci8086,244e@1e/pci925,1234@2,2 (ehci1):
This controller is not supported.
Please refer to www.sun.com/io for Solaris Ready products
and to www.sun.com/bidadmin/hcl for additional compatible USB products
```

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)
```

x86: Using Two Adaptec SCSI Card 39320D Cards on a Sun Fire V65x Server Might Cause the System to Panic (5001908)

Using two Adaptec SCSI Card 39320D cards on a Sun Fire V65x server might cause that system to panic. The panic occurs during initial reboot after you have installed Solaris 10 software. The following error message is displayed:

```
Initializing system Please wait...
1 run-time error M6111: MATH
  - floating-point error: stack underflow
```

Workaround: Remove the second Adaptec card.

x86: Soft System-Shutdown is Not Supported in Solaris OS on x86 (4873161, 5043369)

The Solaris OS on x86 does not support a soft system-shutdown that is initiated by a command. A command to shut down simulates pressing the power button to turn the power off. On x86-based systems, issuing this command while the Solaris OS is running turns the power off immediately without properly shutting down the operating system. The improper shutdown process might corrupt the file system.

Workaround: Before powering off, shut down the operating system first. Perform the following steps:

1. Become superuser.
2. Use one of the available commands to shut down the Solaris OS properly, such as `init`, `halt`, or `shutdown`. For example:

```
# shutdown
```

3. After the operating system shuts down completely, you can switch off the power by one of two ways:
 - If the system supports soft system-shutdown, issue the command to turn off the power.
 - If the system does not support soft system-shutdown, turn off the power manually by using the power switch.

For more information about the commands to shut down the operating system, see the man pages for the `init(1M)`, `halt(1M)`, and `shutdown(1M)` commands. For information about turning off your system's power, refer to the system's manuals.

Some DVD and CD-ROM Drives Fail to Boot Solaris (4397457)

The default timeout value for the SCSI portion of the SunSwift™ PCI Ethernet/SCSI host adapter (X1032A) card does not meet the timeout requirements of Sun's SCSI DVD-ROM drive (X6168A). With marginal media, the DVD-ROM occasionally experiences timeout errors. The only exceptions are Sun Fire 6800, 4810, 4800, and 3800 systems. These systems overwrite the SCSI timeout value by means of OpenBoot PROM.

Workaround: For other platforms, use the on-board SCSI interfaces or DVD-ROM compatible SCSI adapters, such as the following examples:

- X1018A (SBus: F501-2739-xx)
- X6540A (PCI: F375-0005-xx)

iPlanet Directory Server 5.1 Issues

This section provides important information for users of iPlanet™ Directory Server 5.1 who are upgrading to the new Solaris 10 release.

Installing Directory Server 5.1

Sun Java System Directory Server 5 2005Q1 replaces iPlanet Directory Server 5.1 that was integrated in the Solaris 9 Operating System. In Solaris 10 OS, this new Directory Server can be installed as part of the Sun Java Enterprise System.

Note – For information about the Sun Java System Directory Server 5 2005Q1, refer to the documentation for the Sun Java System at <http://docs.sun.com>.

Solaris 10 OS continues to support Directory Server 5.1. You might need to install Directory Server 5.1 under the following circumstances:

- You need to recover Directory Server 5.1 data.
- You want to migrate your data to Directory Server 5 2005Q1.

In Solaris 10 release, you install the Directory Server 5.1 manually. Follow these steps:

1. Insert the Solaris 10 Software - 4 CD into your CD-ROM drive.
2. Become superuser.
3. In a terminal window, install the Directory Server.

```
# cd /cdrom/cdrom0/Solaris_10/Product/
# pkgadd -d . IPLTnls IPLTnspr IPLTnss IPLTjss IPLTldap \
IPLTdsr IPLTdsu IPLTadmin IPLTcons IPLTadcon IPLTdscon \
IPLTadman IPLTdsman
```

To install Simplified Chinese localization packages, issue the following additional command:

```
# pkgadd -d . IPLTcdsu IPLTcadmin IPLTccons IPLTcadcon \
IPLTcdscon IPLTcadman IPLTcdsman
```

To install Japanese localization packages, issue the following additional command:

```
# pkgadd -d . IPLTjdsu IPLTjadmin IPLTjcons IPLTjadcon \
IPLTjdscon IPLTjadman IPLTjdsman
```

4. After installation is complete, configure iPlanet Directory Server 5.1. Refer to Chapter 11, “Sun ONE Directory Server Configuration,” in *System Administration Guide: Naming and Directory Services (DNS, NIS, and LDAP)*.

Migrating to the Sun Java System Directory Server 5 2005Q1



Caution – The database formats of the two Directory Server versions are incompatible. Thus, if you are a Directory Server 5.1 user, Sun recommends that you migrate your database to a database that is formatted for the Sun Java System Directory Server 5 2005Q1.

To perform a migration, both versions of the Directory Server must exist in the system that has been upgraded to the Solaris 10 OS. If you are a DS 5.1 user, but are using the compressed archive (.tar.gz) delivery format, you can skip immediately to the migration instructions in Step 2.

1. On a terminal window, check whether iPlanet Directory Server 5.1 packages are present in your system.

```
$ pkginfo | grep IPLT
```

If the following packages appear as output, then you can go to Step 2 to proceed with the migration. The output indicates that the iPlanet Directory Server 5.1 packages are in the system.

```
system IPLTadcon Administration Server Console
system IPLTadman Administration Server Documentation
system IPLTadmin Administration Server
system IPLTcons Console Client Base
system IPLTdscon Directory Server Console
system IPLTdsman Directory Server Documentation
system IPLTdsr Directory Server (root)
system IPLTdsu Directory Server (usr)
system IPLTjss Network Security Services for Java
system IPLTnls Nationalization Languages and Localization Support
system IPLTnspr Portable Runtime Interface
system IPLTnss Network Security Services
system IPLTldap PerLDAP
$
```

If the packages do not exist, then install the iPlanet Directory Server 5.1 packages first. Refer to the 4-step procedure in the preceding section “[Installing Directory Server 5.1](#)” on page 100. After installation is complete, go to Step 2 to proceed with the migration.

2. Migrate your iPlanet Directory Server 5.1 database to the current version. For instructions, refer to the documentation collection for the Sun Java System Directory Server at http://docs.sun.com/coll/DirectoryServer_05q1.

After migrating your data, make sure you continue to back up directory data in the same way as you backed up directory data before migration. Future disaster recovery might require the migrated database.

Issues While Running Debugger

The following issues involve the kernel debugger.

SPARC: Problems With dbx Debugger While Processing 64-bit Objects (6347707)

The dbx debugger terminates with a memory access failure while processing certain 64-bit executable files and libraries. However, the problem does not affect the normal use of these 64-bit objects. An error message similar to the following example is displayed:

```
dbx: internal error: signal SIGBUS (invalid address alignment)
```

Workaround: Use either the mdb debugger or the Solaris Dynamic Tracing facility instead. These alternatives can diagnose processes that use the 64-bit objects.

System Might Loop When Master CPU Is Changed (4405263)

A system that is running the Solaris kernel debugger to debug a live system might loop with incomplete error messages. This loop occurs when the OpenBoot PROM's master CPU is changed. A system reset restores the system to operation. However, the traces of the original failure are lost. Consequently, you cannot perform a diagnosis of the fatal reset.

Workaround: When the system is at the PROM level, the OpenBoot's ok prompt is displayed. In a system with multiple CPUs, the ok prompt is preceded by a number that is enclosed in curly braces. This number indicates the active CPU in the system. To run your debug session while at the PROM level, use the following steps.

1. Raise pil to f by typing the following command:

```
{0} ok h# 0f pil!
```

2. Use the `switch-cpu` command to selectively switch from the currently active CPU to different CPUs. For example, to switch from CPU #0 to CPU #1, type the following command:

```
(0) ok 1 switch-cpu
```

The ok prompt is now preceded by the number of the CPU to which you switched.

```
{1} ok
```

3. Run your debugger.

4. At the end of your debugger session, issue a `reset -all` command to return the system to normal use.

Note – Make sure that you upgrade the system to the latest version of the OpenBoot PROM.

Localization Issues

This section describes localization issues that apply to Solaris 10 OS.

Deadkeys Not Working With GTK Applications on Xsun in EMEA UTF-8 Locales (6429880)

When logging to European UTF-8 locales, deadkeys are not working with GTK (Gnome) applications on Xsun if the IM mode is not Latin. No error message is displayed.

Workaround:

Turn on Latin mode by pressing the `Ctrl+Space`, the default IM trigger key combination. To show input mode and to switch the input language on the Java Desktop System, add the Input Method Switcher applet on the JDS panel by clicking mouse button 3 on the panel and selecting **Add to Panel -> Utility -> InputMethod Switcher**.

L10N Messages Missing When Using `localeadm` Utility to Add Locales (6423974)

When the `Locale_config` configuration file is created using the DVD/net image, using the `Locale_config` file to add locales leaves many unlocalized messages on the Gnome Desktop. No error message is displayed.

Workaround 1:

Login as superuser and do the following:

1. Change to the location of the `localeadm` `Locale_config` file.

```
# cd /usr/sadm/lib/localeadm/
```

2. Revert to the existing `Locale_config` file bundled with the `localeadm` utility.

```
# mv Locale_config_S10.txt.old Locale_config_S10.txt
```

Workaround 2:

Re-create the `Locale_config` file by using the CD images.

IIIMF Packages Might Not be Installed (6388988)

Internet/Intranet Input Method Framework (IIIMF) packages required for input method in UTF-8 locales, might not be installed by your locale selection during Solaris install. No error message is displayed.

Workaround:

1. Check, if IIIMF packages are installed on the Solaris OS.

```
% pkginfo SUNWiiimr SUNWiiimu
```

2. Install IIIMF packages.

```
# pkgadd -d <package directory> SUNWiiimr SUNWiiimu
```

SPARC: Keycode 50 Does Not Work for European Keyboard Layouts (6387317)

Keycode 50 is not working for European keyboard layouts. This problem occurs with all European `*6.kt` keytable files. All keytables assign some symbols to keycode 50, but the key does not work. No error message is displayed.

Workaround:

Edit the `*6.kt` files in the `/usr/openwin/share/etc/keytables` directory. Duplicate keycode 50 for keycode 49 in the affected `*6.kt` file. For example, add the following entry for keycode 49 to the affected keytable file:

```
49 RN XK_numbersign XK_asciitilde
```

Several Arabic Fonts Do Not Work in GNOME (6384024)

In GNOME when you select certain Arabic fonts, the characters do not display. This problem appears when you select fonts for applications, the desktop, or the window title using the GNOME font properties menu. The affected fonts include:

- Akhbar MT (Regular, Bold)

- Shayyal MT (Regular, Bold)
- Naskh MT (Regular, Bold)

No error message is displayed.

Workaround:

Use any of the newly delivered Kacst family of fonts to display Arabic characters in GNOME applications.

Unable to Switch Input Language on Session-Saved Applications (6360759)

Multiple language input is supported in UTF-8 locales, but the language switch is not working with session-saved applications where mouse button 1 is clicked first after login. This problem occurs with the Java Desktop System (JDS). No error message is displayed.

Workaround:

Click mouse button 1 on the backgroundworkspace or Launch Menu before clicking any application.

Some Language Input Does Not Work Correctly on Non-U.S. Keyboard Layouts (6319383)

Localized keyboard layout based language inputs, such as Cyrillic and Arabic, are not working correctly with non-U.S. keyboard layouts. For example, if you are using French keyboard and switch to Arabic input then the typed output results are not based on Arabic Keyboard layout. For more information about input method, see Input Method Preference Editor and InputMethod Switcher Applet help. No error message is displayed.

Workaround 1:

Use XKB extension to switch keyboard layouts for Xorg server (x86 only). For example, add the following entry to the `xorg.conf` configuration file:

```
Section "InputDevice"
    Identifier "Keyboard1"
    Driver "Keyboard"

    Option "XkbModel" "pc105"
    Option "XkbLayout" "us,fr,ru"
    Option "XkbOptions" "grp:alt_shift_toggle"
EndSection
```

This configuration enables you to switch among U.S., French, and Russian keyboard layouts by pressing the Alt-Shift keys. For more information, see the `/usr/X11/share/doc/README.XKB-Config` file.

Workaround 2:

Use the `xorgcfg` utility to configure localized keyboard layouts (x86 only).

If a non-root user uses the `xorgcfg` utility, the configuration is not saved, but keyboard layout is changed for the current session.

Keyboard Shortcuts in Mozilla in ES Locale Are Unusual and Ambiguous (6288620)

The keyboard shortcuts in Mozilla 1.7 are unusual, especially in Spanish locale. For example, Ctrl-S is being used for copying as well as for saving. No error message is displayed.

Workaround:

Identify the shortcut keys assigned to user actions from menu in the product.

Login Screen Marks UTF-8 Locales as Recommended

On the Language menu of the login screen, the UTF-8 locales are labeled as a recommended option. For example, for Japanese locales, the screen would appear as follows:

```
ja_JP.eucJP ----- Japanese EUC
ja_JP.PCK   ----- Japanese PCK
ja_JP.UTF-8 (Recommended) - Japanese UTF-8
```

Using UTF-8 locales is recommended to users of the Java Desktop System (JDS) because JDS uses UTF-8/Unicode as internal character encoding. This recommendation also applies to the announcement of future end-of-software support for non-UTF-8 locales. See [“Legacy or Traditional Non-UTF-8 Locales” on page 164](#).

When migrating to UTF-8 locales, the files affect the method that you use to import or export data.

Microsoft Office Files

Microsoft Office files are encoded in Unicode. StarOffice applications can read and write the Unicode encoded files.

HTML Files

HTML files authored using HTML editors such as Mozilla Composer, or HTML files saved by a web browser, usually contain a charset encoding tag. After exporting or importing, you can browse such HTML files with the Mozilla Navigator web browser, or edit the files with Mozilla Composer, according to the encoding tag in the HTML file.

Fixing Broken HTML File

Some HTML files might be displayed in garbage characters. This problem is typically due to the following reasons:

- The charset encoding tag is incorrect.
- The charset encoding tag is missing.

To find the charset encoding tag in the HTML file, perform the following actions:

1. Open the file with Mozilla.
2. Press Ctrl-i, or click View to open the View menu.
3. Click Page Info.

The charset information is in the bottom of the General tab, for example:

```
Content-Type text/html; charset=us-ascii
```

If the string `charset=us-ascii` does not match the actual encoding of the file, the file might appear broken. To edit the encodings of the HTML file, perform the following actions:

1. Open the file with Mozilla Composer.
2. Open the File menu.
3. Select Save as Charset.
4. Choose the correct encoding. Mozilla Composer automatically converts the encoding and the charset tag as appropriate.

Emails Saved As Portable Format

Modern mails are tagged with the MIME charset tag. The Email and Calendar application accepts MIME charset tags. You do not need to perform any encoding conversion.

Plain Text Files

Plain text files do not have a charset tag. If the files are not in UTF-8 encoding, encoding conversion is needed. For example, to convert a plain text file encoded in Traditional Chinese big5 to UTF-8, execute the following command:

```
iconv -f big5 -t UTF-8 inputfilename
```

> *outputfilename*

You can also use the File System Examiner for the encoding conversion.

You can use the Text Editor to read and write character encoding text automatically or by specifying an encoding explicitly when opening or saving a file.

To start Text Editor, click Launch, then choose Applications->Accessories->Text Editor.

File Names and Directory Names

If file names and directory names using multibyte characters are not in UTF-8 encoding, encoding conversion is needed. You can use File System Examiner to convert file and directory names and the contents of plain text files from legacy character encodings to UTF-8 encoding. Refer to the online Help for File System Examiner for more information.

To start File Systems Examiner, click Launch, then choose Applications->Utilities->File System Examiner.

When you access non-UTF-8 file or directory names on Microsoft Windows via SMB using File Manager, you can access the non-UTF-8 file or directory names without encoding conversion.

Launching Legacy Locale Applications

For applications that are not ready to migrate to Unicode UTF-8, you can create a launcher on a front panel to start the application in legacy locales. You can also launch the applications directly from the command line. Perform the following steps to create a launcher for an application.

1. Right-click on the panel where you want to place the launcher.
2. Choose Add to Panel->Launcher.
3. Use the following format to type the entry in the Command field in the Create Launcher dialog:

```
env LANG=locale LC_ALL=  
locale application name
```

For example, if you want to launch an application called `motif-app` from `/usr/dt/bin` in the Chinese Big5 locale, enter the following text in the Command field of the Create Launcher:

```
env LANG=zh_TW.BIG5 LC_ALL=zh_TW.BIG5 /usr/dt/bin/motif-app
```

4. Click OK to create the launcher on the panel.

When you need to run CLI (command line interface) applications which are specific to a legacy locale, open a Terminal window in the legacy locale first and then run the CLI applications in the same Terminal window. To open a Terminal window in a legacy locale, enter the following command:

```
eng LANG=locale LC_ALL=locale GNOME-TERMINAL --disable-factory.
```

Instead of opening a new Terminal window in a legacy locale, you can switch the locale setting from UTF-8 to a legacy locale in the current Terminal window by changing the encoding the Set Character Encoding menu in the Terminal window. Then you must also set the LANG and LC environment variables to the current shell.

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 OS: 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.

Cannot Print Documents in Portable Document Format (6239307, 6218079)

On all locales, the Document Viewer cannot print localized files that are in Portable Document Format (PDF).

Workaround: Choose one of the following workarounds:

- On SPARC based systems, use the Acrobat Reader to print localized PDF files.
- On x86 based systems, use StarOffice to create and then print PDF files.

x86: Login Process Might Hang in Certain Asian Non-UTF-8 Locales (6215527)

On some x86 based systems, if you log in to certain Asian non-UTF-8 locales, the login process might hang. The following are examples of the locales where the error is observed:

- zh_CN.EUC
- zh_TW.BIG5
- ko_KR.EUC

Workaround: At the login window's Language menu, choose UTF-8 locales.

Special Keyboard Keys Do Not Work (5077631)

Special keys on the left of the keyboard do not work on European keyboard mappings. This problem affects all European locales.

Workaround: Use shortcut keys instead of the special keyboard keys. The following example lists shortcut keys and the corresponding functions:

- Ctrl-Z - Undo
- Ctrl-C - Copy
- Ctrl-V - Paste
- Alt-Tab allows you to switch between windows.

Modifier Keys Do Not Function Correctly (4996542)

On all locales, the Alt key and the Shift key might not function as modifier keys when you use the Internet/Intranet input method. For example, the Shift-arrow key combination might not allow you to select text. Instead, the combination might insert Latin characters.

Workaround: Use a different input method, for example, Default. To switch input methods, right-click on an object and select Input method.

Chinese and Korean Characters Are Printed In a Box (4977300)

The postscript printer does not bundle Chinese or Korean fonts. Consequently, in Chinese or Korean locales, if you attempt to print from the Mozilla browser, the characters are printed within a box. The Common UNIX Printer System (CUPS) needs to convert the Mozilla postscript fonts before a file can be printed.

Workaround: Perform the following steps.

1. Click Launch => Preferences => Printers.
2. Right-click the PostScript printer icon, then select Properties.
3. Click the Advanced tab.
4. Set the Ghostscript pre-filtering to Convert to PS level 1.

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.IS08859-1
# export LC_COLLATE
```

Then start sorting.

Networking Issues

The following networking bugs apply to the Solaris 10 release.

Memory Leaks with ECC and RSA Cipher Suites (6421471)

Memory leak in NSS with ECC and RSA cipher suites might cause a system hang or system panic. The out of memory error message is displayed.

Workaround: Install the following patches:

- Patch ID 119213-09 for SPARC based systems.
- Patch ID 119214-09 for x86 based systems.

iSCSI Initiator Does Not Handle LUN Address Reporting Properly (6377485)

The Solaris iSCSI software initiator does not support logical units with a LUN greater than 255. No error message is displayed.

Workaround:

Change the logical unit numbers of the target device to less than 255.

LUN Numbers Greater Than 256 Are Treated Differently by 2-Gbyte and 4-Gbyte QLogic HBAs (6371273)

QLogic 4-Gbyte HBAs treat LUN numbers greater than 255 differently than QLogic 2-Gbyte HBAs. The following error message is displayed:

Customer cannot have a lun number greater than 255.

Workaround:

Do not allocate a LUN with a number greater than 255 on a single port when attaching to the QLogic HBAs.

Wrong MAC Address is Displayed When There is More Than One Ethernet Card (6316245)

When you register to a Solaris 10 6/06 OS for remote update management using the Sun Update Connection, your system information is displayed. If your system has more than one Ethernet card, the same MAC address is displayed for all the Ethernet cards. No error message is displayed.

Workaround: None.

SPARC: RTM_IFINFO Message Has Different Sizes on 32-bit and 64-bit Compilations

Sixty-four-bit programs that create PF_ROUTE sockets and parse the contents of RTM_IFINFO messages in the `if_msghdr_t` structure might work incorrectly unless they are recompiled.

IP Forwarding Disabled by Default in Solaris 10 OS

In this Solaris release, IP forwarding is disabled by default. This setting applies to both IPv4 and IPv6 regardless of other system configurations. Systems with multiple IP interfaces that formerly forwarded IP packets by default no longer have this automatic feature. To enable IP forwarding in multihomed systems, administrators must manually perform additional configuration steps.

Workaround: The command `routeadm` enables IP forwarding. The configuration changes that are the result of `routeadm` usage persist across system reboots.

- To enable IPv4 forwarding, type `routeadm -e ipv4-forwarding` .
- To enable IPv6 forwarding, type `routeadm -e ipv6-forwarding` .
- To apply the enabled IP-forwarding configuration to the currently running system, type `routeadm -u` .

For more information about IP forwarding, see the `routeadm(1M)` man page.

Generic LAN Driver Version 3 Fails to Set Field Length of Logical Link Control Frames (6350869)

The Generic LAN Driver Version 3 (GLDv3) incorrectly sets the field length of Logical Link Control (LLC) frames. Consequently, protocols such as AppleTalk that are dependent on LLC do not function correctly. No error message is displayed. The problem affects the following network interface controllers:

- bge
- e1000g
- xge

Workaround: None.

Zone Not Booting When IP Address Belongs to a Failed IP Network Multipathing Group (6184000)

A zone can be configured so that the zone's IP address becomes part of an IP Network Multipathing (IPMP) group. The configuration process is documented in "How to Extend IP Network Multipathing Functionality to Non-Global Zones" in *System Administration Guide: Solaris Containers-Resource Management and Solaris Zones*.

If all the network interfaces in the IPMP group fail, a zone does not boot if it has an IP address that is part of the IPMP group.

The following example illustrates the result if you attempt to boot the zone.

```
# zoneadm -z my-zone boot
zoneadm: zone 'my-zone': bge0:1:
could not set default interface for multicast: Invalid argument
zoneadm: zone 'my-zone': call to zoneadmd failed
```

Workaround: Repair at least one network interface in the group.

Intermittent Errors Might Occur With the Use of DataDigests (5108515)

Internet SCSI (iSCSI) targets might report cyclic redundancy check (CRC) errors if DataDigests are enabled. User applications that update input/output buffers after transmitting to the iSCSI initiator might cause a miscalculation of the CRC. When the target responds with a CRC error, the iSCSI Initiator retransmits the data with the correct DataDigest CRC. Data integrity is maintained. However, data transfer performance is affected. No error message is displayed.

Workaround: Do not use the DataDigest option.

ATM LANE Subnets for IPv4/IPv6 Might Not Complete Initialization (4625849)

During system boot, multiple instances might not connect to their LAN Emulation (LANE) instance if more than eight LANE instances are on a single adapter. This bug does not appear at multiuser level.

Workaround: To reinitialize your SunATM network, perform the following steps:

1. Verify the problem by issuing a `lanestat -a` command.

Instances that are not connected have Virtual Circuit Identifier (VCI) values of 0 to the LAN Emulation Server (LES) and Broadcast and Unknown Address Server (BUS).

2. Stop and restart your SunATM network.

```
# /etc/init.d/sunatm stop
# /etc/init.d/sunatm start
```

3. Reset netmasks or any other network setup for the SunATM interfaces.

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.

Security Issues

The following security issues applies to the Solaris 10 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.

Incorrect Parameters Might Cause Panic in Sun StorEdge T3 (4319812)

A Sun StorEdge™ T3 system might panic if an application uses the HTTP interface to send tokens with out-of-range parameters.

Service Management Facility

This section describes issues that involve the Service Management Facility of Solaris 10 OS. For more information about this new feature in the Solaris OS, see “Solaris Service Manager” in *Solaris 10 What’s New*.

Print Services Have Offline Settings by Default (5100134)

When a host has no local printers configured, two print services, `ipp-listener` and `rfc1179`, are set to offline by default. These services are automatically moved to online after local printers are configured on the host. The default offline settings of these services do not indicate an error. Therefore, no user intervention is required.

Workaround: None.

keyserv Daemon Disables Some File System Services (5084183)

On systems that do not use Network Information Service (NIS) or NIS+ name service, the NFS and autofs services are disabled. The failure is due to these services’ dependency on the `keyserv` daemon. The `keyserv` daemon relies on the RPC domain name, which is not set on systems that do not use NIS or NIS+. Consequently, the failure of the `keyserv` daemon causes the NFS and autofs services to become disabled.

Workaround: To enable the services, perform the following steps:

1. Become superuser.

2. Issue the following commands:

```
# svcadm disable network/rpc/keyserv
# svcadm disable -t network/nfs/client:default
# svcadm enable network/nfs/client:default
# svcadm disable -t network/nfs/server:default
# svcadm enable network/nfs/server:default
# svcadm disable -t network/rpc/gss:ticotsord
# svcadm enable network/rpc/gss:ticotsord
```

Login Prompts Sometimes Appear Before File Systems Are Mounted (5082164)

During system startups, sometimes the login services such as console or ssh logins start before remote file systems and naming services become available. Consequently, the user name might not be recognized or the user's home directory might not be available.

Workaround: If the error occurs, wait for a few seconds and then log in again. Alternatively, log in from a local account to view the system state.

Smart Card

The following Smart Card bugs apply to Solaris 10 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 `dtssession` process by typing the following in a terminal window.

```
# pkill dtssession
```

`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/open card . 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*.

Solaris Commands and Standards

The following section describes behavior changes in certain commands and standards in Solaris 10 OS.

Bash 2.0.5b No Longer Sets Some Environment Variables

Solaris 10 OS includes Bash 2.0.5b. This shell no longer automatically exports the following variables to the environment:

- HOSTNAME
- HOSTTYPE
- MACHTYPE
- OSTYPE

This new behavior applies even if the shell assigns default values to these variables.

Workaround: Export these variables manually.

New `ln` Utility Requires `-f` Option

The behavior of `/usr/bin/ln` has changed to adhere to all of the standards from SVID3 through XCU6. If you use the `ln` command without the `-f` option to link to an existing target file, the link is not established. Instead, a diagnostic message is written to standard error, and the command proceeds to link any remaining source files. Finally, the `ln` command exits with an error value.

For example, if file `b` exists, the syntax `ln a b` generates the following message:

```
ln: b: File exists
```

This behavior change affects existing shell scripts or programs that include the `ln` command without the `-f` option. Scripts that used to work might now fail in Solaris 10 OS.

Workaround: Use the `-f` option with the `ln` command. If you have existing scripts that execute the link utility, make sure to modify these scripts to comply with the command's new behavior.

New `tcsh` Rejects `setenv` Variable Names That Use a Dash or an Equals Sign

In Solaris 10 OS, `tcsh` has been upgraded to version 6.12. This version no longer accepts environment variables whose names use a dash or an equals sign. Scripts that contain `setenv` lines and that work in earlier Solaris versions might generate errors in the current Solaris 10 release. The following error message is displayed:

```
setenv: Syntax error
```

For more information, refer to the `tcsh` man page for the Solaris 10 OS.

Workaround: Do not use the dash or equals sign in names for environment variables.

STDIO `getc` Family EOF Condition Behavior Change

Applications that were built in strict standard C conformance mode are affected by the behavior changes of certain library functions. An example is applications that were compiled by using the `cc -Xc` or `c89` compilation mode. The behavior has changed for the following library functions:

- `fgetc()`
- `fgets()`
- `fgetwc()`
- `fgetws()`
- `getc()`
- `getchar()`
- `gets()`
- `getwc()`
- `getwchar()`
- `getws()`

A formal interpretation of the 1990 C Standard requires that after an end-of-file condition is set, no more data is returned from the file on subsequent input operations. The exception is if the file pointer is repositioned or the error and end-of-file flags are explicitly cleared by the application.

The behavior for all other compilation modes remains unchanged. Specifically, the interfaces can read additional newly written data from the stream after the end-of-file indicator has been set.

Workaround: Call `fseek()` or `clearerr()` on the stream to read additional data after the EOF condition has been reported on the stream.

Output Columns of the `ps` Command Have Been Widened

Due to larger UIDs, processor ids, and cumulative execution time, the columns of the `ps` command output have been widened. Customer scripts should not assume fixed output columns.

Workaround: Scripts should use the `-o` option of the `ps` command.

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

Command `ping -v` Does Not Work on IPv6 Addresses (4984993)

The command `ping -v` fails when the command is applied to addresses that use Internet Protocol version 6 (IPv6). The following error message is displayed:

```
ping: setsockopt IPV6_RECVRTHDRDSTOPTS Invalid argument
```

Workaround: None. To obtain the same ICMP packet information that `ping -v` provides, use the `snoop` command.

Solaris Volume Manager

The following Solaris Volume Manager bugs apply to the Solaris 10 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 10 Installation Guides.

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

In non-English locales, the Solaris Volume Manager `metassist` command might fail 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 Japanese) 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:

```
# LANG=C; export LANG
```

For the C shell, use the following command:

```
# setenv LANG C
```

Volume Creation Fails in Systems With Unformatted Disks (5064066)

Creating Solaris Volume Manager volume configurations with the `metassist` command might fail if an unformatted disk is in the system. The following error message is displayed:

```
metassist: failed to repartition disk
```

Workaround: Manually format any unformatted disks before you issue the `metassist` command.

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 A5x00, 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 metadvice 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
```

Sun Java Desktop System

This section describes issues that apply to the Sun Java Desktop System (Java DS) in the Solaris 10 OS.

Email and Calendar

This section describes issues related to Email and Calendars.

Problems With Using Multiple Attachments (6260583)

If you drag and drop email messages to a new email message body, the content of the new email message is corrupted.

Workaround: To send multiple attachments, perform the following steps:

1. Select the messages you want to attach.
2. On the Menu bar, choose Action => Forward => Attached.
Alternatively, you can press Ctrl-J to send the messages.

Problem With Changing Authentication Type (6246543)

After you change the authentication type for the incoming mail server, Email and Calendar might not work correctly.

Workaround: Restart Email and Calendar.

Problems When Saving Attachments With Localized Content (6204976)

The Evolution application, which includes Email and Calendar, cannot save attachments with localized content.

Workaround: None.

Incomplete List of Contacts in Contact Folder (5088514)

After you import an LDAP Data Interchange Format file containing several contacts, only some of the contacts are displayed in your contact folder. This is a display problem only. Email and Calendar has imported all the contacts.

Workaround: Restart Email and Calendar.

Login Issues

This section describes login issue.

Login Error Message

You might encounter the following error message when you log in to a Java Desktop System session:

```
Could not look up internet address for hostname.  
This will prevent GNOME from operating correctly.  
It may be possible to correct the problem by adding  
hostname to the file /etc/hosts
```

Workaround: Ensure that your hostname is set up correctly in the `/etc/hosts` file. Perform the following steps:

1. Set the hostname in the `/etc/hosts` file as follows:

```
127.0.0.1 localhost localhost hostname  
localhost.localdomain
```

hostname is the name of your system.

2. Ensure that your hostname is listed in the `/etc/nodename` file. This file must also contain the following line:

```
127.0.0.1 localhost localhost hostname  
localhost.localdomain
```

3. Add the following entry to the `/etc/inet/ipnodes` file:

```
127.0.0.1 hostname
```

\$PATH issues (6247943)

When you log into Java Desktop System Release 3, your \$PATH is set incorrectly to the following:

```
/usr/bin:./usr/dt/bin:/usr/openwin/bin:/bin:  
/usr/ucb:/usr/openwin/bin:/usr/dt/bin
```

Workaround: Remove the following from your \$PATH:

- /usr/openwin/bin:
- /bin:
- ::

The resulting path should be similar to the following example:

```
/usr/bin:/usr/dt/bin:/usr/ucb:/usr/openwin/bin:/usr/dt/bin
```

Remote Connection Problems (6203727)

If you use dtlogin remote connection, you cannot connect to the GNOME Display Manager from certain systems.

Workaround: When you are prompted to select the remote login, specify the IP address instead of the hostname.

Help System

Wrong Help Window Opened For Volume Control (6253210)

If you use the Yelp browser to open the online help for Volume Control, the help file for the Keyboard Accessibility panel application is opened instead.

Workaround: None.

Online Help Freezes (5090731)

If you open an application's online help and no help files exist for that application, an error dialog box is displayed. Unless you click OK, the online Help system freezes and you cannot open the online help of other applications that you start subsequently.

Workaround: You must click the OK button in the error dialog box.

Mozilla Browser

Cannot Print Certain Documents From the Mozilla Browser

You cannot print documents from the Mozilla browser if the documents contain Unicode characters that are not in the Basic Multilingual Plane (BMP).

Workaround: None.

Cannot Specify User Preferences for Roaming Access in Mozilla Browser (6200999)

In the Mozilla browser, you can specify that User Preferences should be transferred to and from the Roaming Access server. You specify your Roaming Access option by following these steps:

1. On the browser, click Edit and select Preferences.
2. Select Roaming User, then select Item Selection.
3. On the right panel, select User Preferences.

However, the selection of User Preferences does not take effect.

Workaround: None.

Keyboard Shortcuts Fail (6192644)

In the Mozilla browser, you enable caret browsing by pressing F7. When caret browsing is enabled, the keyboard shortcut Ctrl-Home brings you to the beginning of the web page that you are browsing. However, this keyboard shortcut does not work when you browse certain sites such as www.yahoo.com and www.mozilla.org.

Workaround: Disable caret browsing by pressing F7.

System-Level Issues

User Preferences Not Fully Compatible

User preferences in your home account for an earlier version of the GNOME Desktop might be partly incompatible with the version on the Java DS Release 3.

Workaround: Reset your preferences. Perform the following steps:

1. Log out of the Java Desktop System.
2. Click Session and choose Failsafe terminal.
3. Log in.
4. In the failsafe terminal window, enter the following commands:

```
% gnome-cleanup exit
```

5. Log in again.

Your GNOME preferences are now reset.

GNU Image Manipulation Program Missing From the Graphics Menu (6209566)

The GNU Image Manipulation Program (GIMP) is not available in the Graphics menu.

Workaround: Perform the following steps.

1. Open a terminal window.
2. Edit the `/usr/share/applications/gimp-2.0.desktop` file.
3. Change the Exec and TryExec lines to add the full path to the GIMP binary:

```
TryExec=/usr/sfw/bin/gimp2.0  
Exec=/usr/sfw/bin/gimp-remote-2.0 %u
```

Problems With Online Registration of StarOffice 7 Software (6208829)

You might be unable to complete the online registration of the StarOffice 7 software if the software cannot find Mozilla on the system. The software must be able to locate the Email and Calendar application to successfully send documents.

Workaround: Add `/usr/sfw/bin` to your PATH. Perform the following steps.

1. Open a terminal window.
2. Issue the following command:
3. To start the StarOffice software, issue the following command:

```
% export PATH=/usr/sfw/bin:$PATH
```

```
% soffice
```

4. Complete the StarOffice registration procedure.

Problems With Sound Recorder

The slide bar and the side counter do not work when the Sound Recorder is recording a new .wav file.

Workaround: None.

Volume Control Option Not Working

The option in the Volume Control panel application that enables you to start the Volume Control desktop applications does not work.

Workaround: None.

Outdated List of Allowed Applications for Solaris OS (6267922)

In the Solaris software, you restrict application launching by setting to true the `/desktop/gnome/lockdown/restrict_application_launching` gonf key. This setting allows only certain applications to appear on the Launch menu where you can start these applications. The allowed applications are listed in the `/desktop/gnome/lockdown/allowed_applications` gonf key.

Currently, the list includes applications that are outdated and are no longer included in the Java Desktop System software. Moreover, the list also contains references to certain applications with incorrect directory locations. Consequently, if you restrict application launching, certain key applications such as Mozilla or StarOffice do not appear on the Launch menu.

Workaround: Perform the following steps.

1. Become superuser.
2. Remove the `~/ .gconf/desktop/gnome/lockdown` directory if the directory exists.

```
# rm -rf ~/ .gconf/desktop/gnome/lockdown
```

3. Log out of the system and then log in again.

Problems When Using Keyboard Indicator (6245563)

Using the keyboard indicator might make the keyboard unusable when you switch between X servers.

Workaround: None. Do not use the Keyboard Indicator.

Certain View Options Might Cause File Manager to Fail (6233643)

The File Manager might fail if you use the following View options:

- View as Catalog
- View as Image Collection

Depending on the View options that you use, the following error messages might be displayed:

- Error:

The application nautilus has quit unexpectedly

- Error:

The Catalog view encountered an error while starting up

- Error:

The Image Collection view encountered an error while starting up

Workaround: None. Every time these problems occur, restart File Manager or click the Restart Application button on the crash dialog box.

CD Quality, Lossless Mode Fails at Start of Recording (6227666)

If you use the Sound Recorder multimedia application in CD Quality, Lossless mode, the application fails when recording starts. The following error message is displayed:

The Application "gnome-sound-recorder" has quit unexpectedly.

Workaround: Perform the following steps.

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

```
# GCONF_CONFIG_SOURCE=xml::/etc/gconf/gconf.xml.defaults
/usr/bin/gconftool-2 --makefile-install-rule
/etc/gconf/schemas/gnome-audio-profiles.schemas
```

In addition, existing users must perform the following steps.

1. If the gnome-audio-profiles-properties application is running, stop the application by closing the application window.
2. If the profile cdlossless exists in ~/.gconf/system/gstreamer/audio/profiles, remove the profile.

```
% rm ~/.gconf/system/gstreamer/audio/profiles/cdlossless
```

3. Log out of the system and then log in again.

Cannot Delete Files Outside of Home Directory (6203010, 5105006)

You can only delete files from your own home directory file system.

Workaround: To delete files outside your home directory file system, open a terminal window and use the command line.

Problems Creating Certain Types of Archives (5082008)

You cannot use Archive Manager to create the following types of archives:

- .arj
- .lha
- .bzip
- .lzop
- .zoo

Workaround: None.

Cannot Type Multibyte Characters in Text Editor 2.9.1 (4937266)

When you enable the Auto Indent function in the gedit text editor, you cannot type multibyte characters correctly.

Workaround: Disable the Auto Indent function. Perform the following steps in the text editor.

1. Choose Edit => Preferences.
2. In the Categories list, select Editor, then Auto Indent.
3. Deselect the Enable auto indentation option.

System Administration

This section describes system administration bugs in Solaris 10 OS.

smoservice or smdiskless Is Broken Due to wbem Issues (6378956)

The smoservice or smdiskless command might not work because of a dependency on JDK™ 1.5 release.

The following error message is displayed:

```
/usr/sadm/bin/smoservice list -u <user> -p <password> Exception in thread "main"
java.lang.UnsupportedClassVersionError:
com/sun/management/viperimpl/console/BaseConsoleOptionsManager
(Unsupported major.minor version 49.0)
at java.lang.ClassLoader.defineClass0(Native Method)
    at java.lang.ClassLoader.defineClass(ClassLoader.java:539)
    at java.security.SecureClassLoader.defineClass(SecureClassLoader.java:123)
    at java.net.URLClassLoader.defineClass(URLClassLoader.java:251)
    at java.net.URLClassLoader.access$100(URLClassLoader.java:55)
    at java.net.URLClassLoader$1.run(URLClassLoader.java:194)
    at java.security.AccessController.doPrivileged(Native Method)
    at java.net.URLClassLoader.findClass(URLClassLoader.java:187)
    at java.lang.ClassLoader.loadClass(ClassLoader.java:289)
    at sun.misc.Launcher$AppClassLoader.loadClass(Launcher.java:274)
    at java.lang.ClassLoader.loadClass(ClassLoader.java:235)
    at java.lang.ClassLoader.loadClassInternal(ClassLoader.java:302)
```

Workaround:

Set the JAVA_HOME variable to point to a JDK 1.5 installation.

```
# JAVA_HOME=/usr/java
```

Sun Patch Manager Tool 2.0 Not Compatible With Previous Versions

A system that runs the Sun Patch Manager Tool 2.0 can manage remote systems that run Patch Manager Tool, including Sun Patch Manager Tool 1.0.

However, a system with an earlier version of Patch Manager Tool cannot manage remote systems that run Patch Manager Tool 2.0. Earlier versions include the following:

- Sun Patch Manager Base Software 1.x
- Sun Patch Manager Tool 1.0

Note – Common Information Model/Web Based Enterprise Management (CIM/WBEM) support for Patch Manager Tool does not exist in the Solaris 8 OS. Consequently, remote management with Patch Manager does not apply to Solaris 8 systems.

Sun Remote Services Net Connect Supported Only in the Global Zone

Sun Remote Services (SRS) Net Connect is supported only in the global zone. Error messages are displayed if you perform one of the following actions:

- You install SRS Net Connect in a local zone.
- SRS Net Connect is installed in the global zone at the time a local zone is created.

The error messages are as follows:

```
*** package SUNWcstu failed to install -  
interactive administration required:
```

```
Interactive request script supplied by package  
pkgadd: ERROR: request script did not complete successfully
```

```
Installation of SUNWcstu was suspended (interaction required).  
No changes were made to the system.
```

```
*** package SUNWfrunc failed to install -  
interactive administration required:
```

```
Interactive request script supplied by package  
pkgadd: ERROR: request script did not complete successfully
```

```
Installation of SUNWfrunc was suspended (interaction required).  
No changes were made to the system.
```

Workaround: Ignore the error messages.

Error or Warning Messages Might Be Displayed While Installing Non-global Zones With the zoneadm Command

While installing a non-global zone by using the zoneadm command, error or warning messages might be displayed during package installation. The messages are similar to the following example:

```
Preparing to install zone zone1.  
Creating list of files to copy from the global zone.  
Copying 2348 files to the zone.  
Initializing zone product registry.  
Determining zone package initialization order.  
Preparing to initialize 790 packages on the zone.  
Initialized 790 packages on zone.  
Zone zone1 is initialized.
```

```
Installation of the following packages generated errors:  
SUNWjhrt SUNWmcc SUNWjhdev SUNWnsb SUNWmcon SUNWmpatchmgr
```

```
Installation of the following packages generated warnings:  
SUNWj3rt SUNWmc SUNWwbmc SUNWmga SUNWdclnt SUNWlvma SUNWlvmg  
SUNWrmui SUNWdoc SUNWpl5m SUNWpmgr
```

Problems about package installation are also recorded in `/export/zone1/root/var/sadm/system/logs/install_log` which contains a log of the zone installation.

Workaround: None.

Note – The non-global zone can still be used even though these messages have been reported. Issues with package installation existed in earlier Solaris Express and Solaris 10 Beta releases. However, no notification about these problems was being generated. Beginning with this Solaris release, these errors are now properly reported and logged.

Adding Regions Fails With the `localeadm` Command (6350486)

The function to add regions in the `localeadm` command no longer works if you create a new configuration file. The Language CD is not detected when you add the following regions:

- Southern Europe
- North America
- Northern Europe

The following error message is displayed:

```
No langcd image has been found in  
/cdrom/sol_10_1005_x86_4/Solaris_10/Product
```

```
No langcd image has been found in  
/cdrom/sol_10_1005_x86_4 /cdrom/sol_10_1005_x86_4  
/cdrom/sol_10_1005_x86_4  
/cdrom/sol_10_1005_x86_4
```

```
/cdrom/sol_10_1005_x86_4
```

Please enter the path to this image/disk, or enter 'q' to quit:

Workaround: When you are prompted to create a new configuration file, select No. Instead, use the configuration file that was installed in the system.

SPARC: Error Messages Displayed During Dynamic Reconfiguration (6312424)

During dynamic reconfiguration (DR), error messages might be displayed. The messages are displayed if you perform DR while input and output operations are active on devices that are in the DR path. After the messages are displayed, the input and output operations are retried and eventually succeed. The following is a sample that is displayed:

```
Jul 28 12:23:19 qame10-a scsi: [ID 107833 kern.warning] WARNING:
/ssm@0,0/pci@19,700000/SUNW,qlc@2,1/fp@0,0/ssd@w2100000c5056fa13,0 (ssd6):
Jul 28 12:23:19 qame10-a transport rejected fatal error
Jul 28 12:22:08 qame10-a scsi: [ID 107833 kern.warning] WARNING:
/ssm@0,0/pci@19,700000/SUNW,qlc@2,1/fp@0,0/ssd@w2100000c5056f9a7,0 (ssd36):
Jul 28 12:22:08 qame10-a SCSI transport failed: reason 'timeout':
retrying command
```

Workaround: None. Ignore the error messages.

SPARC: Reinitializing Link on a Server in a Storage Area Network Causes Logical Unit Number on All Servers to Reset (6301627)

The command `luxadm -e forceLip` to reinitialize a link on one server causes the logical unit number (LUN) to reset on all servers in the Storage Area Network (SAN). The following sample error message is displayed on the console of one or more servers in a zone within the same SAN environment.

```
Aug 16 13:34:07 ontario-a last message repeated 5 times
Aug 16 13:34:07 ontario-a scsi_vhci: [ID 734749 kern.warning] WARNING:
vhci_scsi_reset 0x0
```

Workaround: None. Ignore the error messages.

Error Messages Displayed by pkgchk After You Remove Patches for Zones (6267966)

The `patchadd` and `patchrm` commands work improperly in non-global zones with inherited file systems. Consequently, in those zones, the `pkgchk` command might generate error messages about packages under the following circumstances:

1. In the global zone, you apply patches for the Solaris 10 zone system by using the `patchadd` command.
2. You use the `patchrm` command to remove patches that you just recently applied.
3. In a non-global zone with inherited file systems, you check with the `pkgchk` command for information about a package in any of the removed patches.

The following sample message is displayed when the `pkgchk` command is used on `SUNWcsu` under the circumstances previously listed.

```
# pkgchk SUNWcsu
ERROR: /usr/lib/inet/certdb
    modtime <04/26/05 10:55:26 PM> expected <01/23/05 01:48:24 AM> actual
    file size <36012> expected <42152> actual
    file cksum <37098> expected <19747> actual
ERROR: /usr/lib/inet/certlocal
    modtime <04/26/05 10:55:26 PM> expected <01/23/05 01:48:24 AM> actual
    file size <44348> expected <84636> actual
```

Workaround: None. The errors are harmless. Ignore the error messages.

Race Condition Between EF/kcfd and IPsec Algorithm Availability (6266083)

Systems with the Solaris 10 3/05 HW1 release might cause problems with IPsec. This problem might occur on a freshly installed system or a system that imports a large number of new Service Management Facility (SMF) manifests during the boot. After these booting conditions, IPsec, which is part of `svc:/network/initial:default`, might be initialized prior to the encryption framework, which is part of `svc:/system/cryptosvc:default`. Because authentication or encryption algorithms are not available, creation of IPsec security associations might fail with an error message such as the following:

```
PF_KEY error: type=ADD, errno=22:
Invalid argument, diagnostic code=40:
Unsupported authentication algorithm
```

For example, this error might occur when using DR on a Sun Fire E25K system, which involves IPsec services.

Workaround: Before performing operations that use IPsec services, perform the following steps after a boot that imports a large number of new SMF manifests:

1. Issue this command after booting:

```
ipsecalgs -s
```

2. If `/etc/inet/secret/ipseckeys` exists on the system, also issue this command:

```
ipseckey -f /etc/inet/secret/ipseckeys
```

Now you can perform actions that create IPsec security associations, such as using DR on a Sun Fire E25K system.

This procedure needs to be repeated only when a large number of new SMF manifests are imported during the boot.

Solaris Product Registry Administration Utility Fails to Launch in a Zone (6220284)

If you attempt to launch the Solaris Product Registry administration utility in a zone, the attempt fails. During the zone installation, `productregistry`, the Solaris Product Registry database, is not duplicated in the zone. Consequently, the utility cannot run in a zone.

Workaround: As superuser, copy the `productregistry` database to the zone.

```
# cp /var/sadm/install/productregistry zone_path/var/sadm/install/
```

In the previous command, `zone_path` is the path to the root directory of the zone that you created.

Cannot Delete Existing Diskless Clients From the System (6205746)

If you use the `smdiskless` command to delete a diskless client, the command fails. The diskless client is not removed from the system databases. The following error message is displayed:

```
Failing with error EXM_BMS.
```

Workaround: Unshare the `/export` partition before adding the client.

Net Connect 3.1.1 Installation Fails (6197548)

Installation of Net Connect 3.1.1 fails if you select the product at the beginning of a full Solaris 10 installation. This failure occurs when you are installing by using the Solaris 10 Operating System DVD. At the completion of the OS installation, the following error message is recorded in the Net Connect install log in `/var/sadm/install/logs/`:

```
Installation of SUNWSRSPX failed.  
Error: pkgadd failed for SUNWsrspx  
Install complete. Package: SUNWsrspx
```

Workaround: After the OS installation is completed, follow these steps:

1. Insert the Solaris 10 Operating System DVD or the Solaris 10 Software - CD 4.
2. Change to the directory of the Net Connect product.
3. Run the Net Connect installer.

Note – To download the latest version of the Sun Net Connect software and release notes, go to the Sun Net Connect portal at <https://srsnetconnect.sun.com>.

x86: Default C Library Might Cause Boot Failure When You Install Solaris Flash Archives (6192995)

A boot failure that involves the Solaris Flash archive might occur under the following circumstances:

- You create a Solaris Flash archive on a system that is using a `libc` C library with certain hardware-support capabilities.
- You install the archive on a clone system that has different hardware-support capabilities.

When you attempt to boot the clone system, the following error message is displayed:

```
WARNING: init exited with fatal signal 9; restarting.
```

Workaround: Follow these steps.

1. Before you create the archive, unmount the `/lib/libc.so.1` library on the master system.

```
# umount /lib/libc.so.1
```

This command enables the master system to use the basic version of the `libc` C library.

2. Create the Solaris Flash archive on the master system.

For more information about how to create Solaris Flash archives, see the *Solaris 10 6/06 Installation Guide: Solaris Flash Archives (Creation and Installation)*.

3. Mount the `/lib/libc.so.1` library on the master system.

```
# mount -o -F lofs /lib/libc.so.1 /usr/lib/libc/libc_hwcap2.so.1
```

4. Install the Solaris Flash archive on the clone system.

For more information about how to install Solaris Flash archives, see the *Solaris 10 6/06 Installation Guide: Solaris Flash Archives (Creation and Installation)*.

SPARC: smoservice delete Command Does Not Successfully Remove All Directories (6192105)

If you use the `smoservice delete` command to remove a diskless client service, the command does not successfully remove all the service directories.

Workaround: Follow these steps.

1. Make sure that no clients exist that use the service.

```
# unshare /export/exec/Solaris_10_sparc.all
# rm -rf /export/exec/Solaris_10_sparc.all
# rm -rf /export/exec/.copyofSolaris_10_sparc.all
# rm -rf /export/.copyofSolaris_10
# rm -rf /export/Solaris_10
# rm -rf /export/share
# rm -rf /export/root/templates/Solaris_10
# rm -rf /export/root/clone/Solaris_10
# rm -rf /tftpboot/inetboot.sun4u.Solaris_10
```

2. Remove the following entry from the `/etc/bootparams` file.

```
fs1-24 bootype=:os
```

Note – Remove this entry only if this file server does not provide functions or resources for any other services.

3. Remove the following entry from the `/etc/dfs/dfstab` file.

```
share -F nfs -o ro /export/exec/Solaris_8_sparc.all/usr
```

4. Modify the `/var/sadm/system/admin/services/Solaris_10` file.
 - If the file server is not `Solaris_10`, delete the file.
 - If the file server is `Solaris_10`, remove all entries after the first three lines. The deleted lines indicate the service `USR_PATH` and `SPOOLED ROOT` packages in `/export/root/templates/Solaris_10` and the supported platforms.

patchadd Command Does Not Support Installing Patches From an NFS Server (6188748)

If you use the `patchadd` command to install patches across the NFS from another system, the command fails. The following example shows a `patchadd` operation that failed and the error message that is displayed:

```
Validating patches...

Loading patches installed on the system...
[...]
Loading patches requested to install.
[...]
Checking patches that you specified for installation.
[...]
Approved patches will be installed in this order:
[...]
Checking local zones...
[...]
Summary for zones:
[...]
Patches that passed the dependency check:
[...]

Patching global zone
Adding patches...

    Checking installed patches...
    Verifying sufficient filesystem capacity (dry run method)...
    Installing patch packages...

    Patch Patch_ID has been successfully installed.
    See /var/sadm/patch/Patch_ID/log for details
    Patch packages installed:
        SUNWroute
    [...]

Adding patches...
    The patch directory
    /dev/.SUNW_patches_0111105334-1230284-00004de14dcb29c7
    cannot be found on this system.

[...]

Patchadd is terminating.
```

Workaround: Manually copy all of the patches to be installed from the NFS server to the local system first. Then use the `patchadd` command to install the patches from the directory on the local system where the patches were copied.

lucreate Command Does Not Create RAID-1 Volumes (5106987)

If you use the `lucreate` command to create RAID-1 volumes (mirrors) that do not have device entries in the `/dev/md` directory, the command fails. You cannot mirror file systems with the `lucreate` command unless you first create the mirrors with Solaris Volume Manager software.

Workaround: Create the mirrored file systems with Solaris Volume Manager software, then create the new boot environment with the `lucreate` command.

For more information about the `lucreate` command, see the `lucreate(1M)` or *Solaris 10 6/06 Installation Guide: Solaris Live Upgrade and Upgrade Planning*.

For more information about how to create mirrored file systems with Solaris Volume Manager software, see *Solaris Volume Manager Administration Guide*.

Devices Not Immediately Available in Fabric Zones in a Storage Area Network (5077933)

When a fabric zone in a storage area network (SAN) is created dynamically, that zone's devices might be unavailable at the host side. If you use the command `luxadm -e dump_map` to display data for such devices or host bus adapters, an error message is displayed. See the following example:

```
# luxadm -e dump_map /dev/cfg/c5
```

```
Pos  Port_ID  Hard_Addr  Port  WWN          Node WWN      Type
ERROR: Unable to retrieve target port details (QLogic Corp-2312-3)ERROR
```

Listing the status of all the attachment points yields information similar to the following example. In this example, the fabric devices include a tape drive, but no device is indicated in `c5`.

```
# cfgadm -al
```

```
Ap_Id      Type      Receptacle  Occupant    Condition
:
:
c5         fc-fabric  connected   unconfigured unknown
usb0/1     unknown   empty       unconfigured ok
:
:
```

Workaround: After configuring the fabric-connected devices, reinitialize the link to the devices by using the `luxadm -e forcelp /dev/cfg/c5` command. For the previous example, you would type the following:

```
# luxadm -e forcelp /dev/cfg/c5
```

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.

Using the `ipfs` Command With `-W` Option Fails (5040248)

The `ipfs` command saves and restores information about the state of the Network Address Translation (NAT) and packet-filtering state tables. This utility prevents network connections from being disrupted if the system reboots. If you issue the command with the `-W` option, `ipfs` fails to save the kernel state tables. The following error message is displayed:

```
state:SIOCSTGET: Bad address
```

Workaround: None.

`kill -HUP` Does Not Always Cause the Agent to Reread the `snmpd.conf` Configuration File (4988483)

After modifying the contents of `snmpd.conf`, you can issue the command `kill -HUP snmp Process ID`. This command stops the `snmp` process. The command then sends a signal to the System Management Agent's master agent (`snmpd`) to reread `snmpd.conf` and implement the modifications that you introduced. The command might not always cause the master agent to reread the configuration file. Consequently, using the command might not always activate modifications in the configuration file.

Instead of using `kill -HUP`, restart the System Management Agent after adding modifications to `snmpd.conf`. Perform the following steps:

1. Become superuser.

2. Type the following command:

```
# /etc/init.d/init.sma restart
```

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 Solaris 10 OS on x86 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
<code>CIMClient.close()</code>	<code>NullPointerException</code>
<code>CIMClient.execQuery()</code>	<code>CIM_ERR_QUERY_LANGUAGE_NOT_SUPPORTED</code>
<code>CIMClient.getInstance()</code>	<code>CIM_ERR_FAILED</code>
<code>CIMClient.invokeMethod()</code>	<code>XMLERROR: ClassCastException</code>

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 `-o 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.

System-Specific Issues

This chapter describes issues specific to Sun midrange and high-end servers. Current Sun servers are part of the Sun Fire system family. Older servers are part of the Sun Enterprise system family.

Note – The Sun Validation Test Suite release notes are now a separate document and can be found at <http://sun.com>.

Note – Some of the issues and bugs in this chapter have been fixed in subsequent Solaris 10 releases. If you have upgraded your Solaris software, certain issues and bugs in this chapter might no longer apply. To see which bugs and issues no longer apply to your specific Solaris 10 software, refer to [Appendix A](#).

Dynamic Reconfiguration on Sun Fire High-End Systems

This section describes major domain-side DR bugs on the following Sun Fire high-end systems that run the Solaris 10 software:

- Sun Fire 25K
- Sun Fire 20K
- Sun Fire 15K
- Sun Fire 12K

For information about DR bugs on Sun Management Services, see the *SMS Release Notes* for the SMS version that is running on your system.

Known Software and Hardware Bugs

The following software and hardware bugs apply to Sun Fire high-end systems.

Network Device Removal Fails When a Program Is Holding the Device Open (5054195)

If a process is holding open a network device, any DR operation that would involve that device fails. Daemons and processes that hold reference counts stop DR operations from completing.

Workaround: As superuser, perform the following steps:

1. Remove or rename the `/rplboot` directory.
2. Shut down NFS services.

```
# sh /etc/init.d/nfs.server stop
```

3. Shut down Boot Server services.

```
# sh /etc/init.d/boot.server stop
```

4. Perform the DR detach operation.
5. Restart NFS services.

```
# sh /etc/init.d/nfs.server start
```

6. Restart Boot Server services.

```
# sh /etc/init.d/boot.server start
```

Deleteboard Shows Leakage Error (4730142)

Warnings might be displayed when a DR command is executing on a system that is configured with the SunSwift PCI card, Option 1032. These warnings appear on domains that are running either the Solaris 8, Solaris 9, or Solaris 10 software. The following warning is an example:

```
Aug 12 12:27:41 machine genunix: WARNING:  
vmem_destroy('pcisch2_dvma'): leaked
```

These warnings are benign. The Direct Virtual Memory Access (DVMA) space is properly refreshed during the DR operation. No true kernel memory leak occurs.

Workaround: To prevent the warning from being displayed, add the following line to `/etc/system`:

```
set pcisch:pci_preserve_iommu_tsb=0
```

GigaSwift Ethernet MMF Link Fails With CISCO 4003 Switch After DR Attach

The link fails between a system with a Sun GigaSwift Ethernet MMF Option X1151A and certain CISCO switches. The failure occurs when you attempt to run a DR operation on such a system that is attached to one of the following switches:

- CISCO WS-c4003 switch (f/w: WS-C4003 Software, Version NmpSW: 4.4(1))

- CISCO WS-c4003 switch (f/w: WS-C4003 Software, Version NmpSW: 7.1(2))
- CISCO WS-c5500 switch (f/w: WS-C5500 Software, Version McpSW: 4.2(1) and NmpSW: 4.2(1))

This problem is not seen on a CISCO 6509 switch.

Workaround: Use another switch. Alternatively, you can consult Cisco for a patch for the listed switches.

Dynamic Reconfiguration on Sun Fire Midrange Systems

This section describes major issues that are related to DR on the following Sun Fire midrange systems:

- Sun Fire E6900
- Sun Fire E4900
- Sun Fire E6800
- Sun Fire E4810
- Sun Fire E4800
- Sun Fire E3800

Minimum System Controller Firmware

Table 3–1 shows acceptable combinations of Solaris software and System Controller (SC) firmware for each Sun Fire midrange system to run DR.

Note – To best utilize the latest firmware features and bug fixes, run the most recent SC firmware on your Sun Fire midrange system. For the latest patch information, see <http://sunsolve.sun.com>.

TABLE 3–1 Minimum SC Firmware for Each Platform and Solaris Release

Platform	Solaris Release	Minimum SC Firmware
Sun Fire E6900/E4900 with UltraSPARC IV+	Solaris 10 3/05 HW1 (a limited release) or Solaris 10 1/06	5.19.0
E6900/E4900 without UltraSPARC IV+	Solaris 9 4/04	5.16.0
Sun Fire 6800/4810/4800/3800	Solaris 9 4/04	5.16.0
Sun Fire 6800/4810/4800/3800	Solaris 9	5.13.0

You can upgrade the system firmware for your Sun Fire midrange system by connecting to an FTP or HTTP server where the firmware images are stored. For more information, refer to the README and

Install .info files. These files are included in the firmware releases that are running on your domains. You can download Sun patches from <http://sunsolve.sun.com>.

Known DR Software Bugs

This section lists important DR bugs.

Network Device Removal Fails When a Program Is Holding the Device Open (5054195)

If a process is holding open a network device, any DR operation that would involve that device fails. Daemons and processes that hold reference counts stop DR operations from completing.

Workaround: As superuser, perform the following steps:

1. Remove or rename the /rplboot directory.
2. Shut down NFS services.

```
# sh /etc/init.d/nfs.server stop
```

3. Shut down Boot Server services.

```
# sh /etc/init.d/boot.server stop
```

4. Perform the DR detach operation.
5. Restart NFS services.

```
# sh /etc/init.d/nfs.server start
```

6. Restart Boot Server services.

```
# sh /etc/init.d/boot.server start
```

Cannot Unconfigure cPCI Board With a Disabled Port 0 (4798990)

On Sun Fire midrange systems, a CompactPCI (cPCI) I/O board cannot be unconfigured when Port 0 (P0) on that board is disabled. This problem exists in Solaris 10 and Solaris 9 software. It also exists in Solaris 8 software that has one or more of the following patches installed:

- Patch ID 108528-11 through 108528-29
- Patch ID 111372-02 through 111372-04

The error also occurs only during DR operations that involve cPCI boards. An error message similar to the following example is displayed:

```
# cfgadm -c unconfigure N0.IB7
cfgadm: Hardware specific failure: unconfigure N0.IB7: Device
busy:/ssm@0,0/pci@1b,700000/pci@1
```

N0. IB7 is a CompactPCI I/O Board with P0 disabled.

Workaround: Disable the slots instead of Port 0.

Sun Enterprise 10000 Release Notes

This section describes issues that involve the following features on the Sun Enterprise 10000 server:

- System Service Processor requirement
- Dynamic reconfiguration (DR)
- InterDomain Networks (IDNs)
- Solaris Operating System on Sun Enterprise 10000 domains

Note – The Solaris 10 software can be run on individual domains within a Sun Enterprise 10000 system. However, the Sun Enterprise 10000 System Service Processor is not supported by this release.

System Service Processor Requirement

The SSP 3.5 software is required on your System Service Processor (SSP) to support the Solaris 10 software. Install the SSP 3.5 on your SSP first. Then you can install or upgrade to the Solaris 10 OS on a Sun Enterprise 10000 domain.

The SSP 3.5 software is also required so that the domain can be properly configured for DR Model 3.0.

Dynamic Reconfiguration Issues

This section describes different issues that involve dynamic reconfiguration on Sun Enterprise 10000 domains.

DR Model 3.0

You must use DR 3.0 on Sun Enterprise 10000 domains that run the Solaris OS beginning with the Solaris 9 12/03 release. DR model 3.0 refers to the functionality that uses the following commands on the SSP to perform domain DR operations:

- `addboard`
- `moveboard`
- `deleteboard`
- `showdevices`
- `rcfgadm`

You can run the `rcfgadm` command on domains to obtain board status information. DR model 3.0 also interfaces with the Reconfiguration Coordination Manager (RCM) to coordinate the DR operations with other applications that are running on a domain.

For details about DR model 3.0, refer to the *Sun Enterprise 10000 Dynamic Reconfiguration User Guide*.

DR and Bound User Processes

For this Solaris release, DR no longer automatically unbinds user processes from CPUs that are being detached. You must perform this operation before initiating a detach sequence. The drain operation fails if CPUs are found with bound processes.

Network Device Removal Fails When a Program Is Holding the Device Open (5054195)

If a process is holding open a network device, any DR operation that would involve that device fails. Daemons and processes that hold reference counts stop DR operations from completing.

Workaround: As superuser, perform the following steps:

1. Remove or rename the `/rplboot` directory.
2. Shut down NFS services.

```
# sh /etc/init.d/nfs.server stop
```

3. Shut down Boot Server services.

```
# sh /etc/init.d/boot.server stop
```

4. Perform the DR detach operation.
5. Restart NFS services.

```
# sh /etc/init.d/nfs.server start
```

6. Restart Boot Server services.

```
# sh /etc/init.d/boot.server start
```

Enabling DR 3.0 Requires an Extra Step in Certain Situations (4507010)

The SSP 3.5 software is required for a domain to be properly configured for DR 3.0. After upgrading your SSP to SSP 3.5, when DR 3.0 is enabled on the domain, run the following command:

```
# devfsadm -i ngdr
```

InterDomain Networks

For a domain to become part of an InterDomain Network, all boards with active memory in that domain must have at least one active CPU.

OpenBoot PROM Variables

Before you issue the boot net command from the OpenBoot PROM prompt (OK), verify that the local-mac-address? variable is set to false. This setting is the factory default setting. If the variable is set to true, you must ensure that this value is an appropriate local configuration.



Caution – A local-mac-address? that is set to true might prevent the domain from successfully booting over the network.

In a net con window, you can use the following command at the OpenBoot PROM prompt to display the values of the OpenBoot PROM variables:

```
OK printenv
```

To reset the local-mac-address? variable to the default setting, use the setenv command:

```
OK setenv local-mac-address? false
```

Dynamic Reconfiguration on Sun Enterprise Midrange Systems

This section contains the latest information about dynamic reconfiguration (DR) functionality for the following midrange servers that are running the Solaris 10 software:

- Sun Enterprise 6x00
- Sun Enterprise 5x00
- Sun Enterprise 4x00
- Sun Enterprise 3x00

For more information about Sun Enterprise Server Dynamic Reconfiguration, refer to the *Dynamic Reconfiguration User's Guide for Sun Enterprise 3x00/4x00/5x00/6x00 Systems*. The Solaris 10 release includes support for all CPU/memory boards and most I/O boards in the systems that are mentioned in the preceding list.

Supported Hardware

Before proceeding, make sure that the system supports dynamic reconfiguration. If your system is of an older design, the following message appears on your console or in your console logs. Such a system is not suitable for dynamic reconfiguration.

```
Hot Plug not supported in this system
```

The following I/O boards are not currently supported:

- Type 2 (graphics)
- Type 3 (PCI)
- Type 5 (graphics and SOC+)

Software Notes

This section provides general software information about DR.

Enabling Dynamic Reconfiguration

To enable dynamic reconfiguration, you must set two variables in the `/etc/system` file. You must also set an additional variable to enable the removal of CPU/memory boards. Perform the following steps:

1. Log in as superuser.
2. Edit the `/etc/system` file by adding the following lines:

```
set pln:pln_enable_detach_suspend=1
set soc:soc_enable_detach_suspend=1
```

3. To enable the removal of a CPU/memory board, add this line to the file:

```
set kernel_cage_enable=1
```

Setting this variable enables the memory unconfiguration operation.

4. Reboot the system to apply the changes.

Quiesce Test

You start the quiesce test with the following command:

```
# cfgadm -x quiesce-test sysctrl0:slot number
```

On a large system, the quiesce test might run for up to a minute. During this time no messages are displayed if `cfgadm` does not find incompatible drivers.

Disabled Board List

Attempting to connect a board that is on the disabled board list might produce an error message:

```
# cfgadm -c connect sysctrl0:slotnumber
```



```
cfgadm: Hardware specific failure: connect failed:
board is disabled: must override with [-f][-o enable-at-boot]
```

To override the disabled condition, two options are available:

- Using the force flag (-f)

```
# cfgadm -f -c connect sysctrl0:slot number
```

- Using the enable option (-o enable-at-boot)

```
# cfgadm -o enable-at-boot -c connect sysctrl0:slot
number
```

To remove all boards from the disabled board list, choose one of two options depending on the prompt from which you issue the command:

- From the superuser prompt, type:

```
# eeprom disabled-board-list=
```

- From the OpenBoot PROM prompt, type:

```
OK set-default disabled-board-list
```

For further information about the `disabled-board-list` setting, refer to the “Specific NVRAM Variables” section in the *Platform Notes: Sun Enterprise 3x00, 4x00, 5x00, and 6x00 Systems* manual. This manual is part of the documentation set in this release.

Disabled Memory List

Information about the OpenBoot PROM `disabled-memory-list` setting is published in this release. See “Specific NVRAM Variables” in the *Platform Notes: Sun Enterprise 3x00, 4x00, 5x00, and 6x00 Systems* in the Solaris on Sun Hardware documentation.

Unloading Detach-Unsafe Drivers

If you need to unload detach-unsafe drivers, use the `modinfo` line command to find the module IDs of the drivers. You can then use the module IDs in the `modunload` command to unload detach-unsafe drivers.

Self-Test Failure During a Connect Sequence

Remove the board from the system as soon as possible if the following error message is displayed during a DR connect sequence:

```
cfgadm: Hardware specific failure: connect failed: firmware operation error
```

The board has failed self-test, and removing the board avoids possible reconfiguration errors that can occur during the next reboot.

The failed self-test status does not allow further operations. Therefore, if you want to retry the failed operation immediately, you must first remove and then reinsert the board.

Known Bugs

The following list is subject to change at any time.

Network Device Removal Fails When a Program Is Holding the Device Open (5054195)

If a process is holding open a network device, any DR operation that would involve that device fails. Daemons and processes that hold reference counts stop DR operations from completing.

Workaround: As superuser, perform the following steps:

1. Remove or rename the `/rplboot` directory.
2. Shut down NFS services.

```
# sh /etc/init.d/nfs.server stop
```

3. Shut down Boot Server services.

```
# sh /etc/init.d/boot.server stop
```

4. Perform the DR detach operation.
5. Restart NFS services.

```
# sh /etc/init.d/nfs.server start
```

6. Restart Boot Server services.

```
# sh /etc/init.d/boot.server start
```

Memory Interleaving Set Incorrectly After a Fatal Reset (4156075)

Memory interleaving is left in an incorrect state when a Sun Enterprise5 x500 server is rebooted after a fatal reset. Subsequent DR operations fail. The problem only occurs on systems with memory interleaving set to `min`.

Workaround: Choose one of the following options:

- To clear the problem, manually reset the system at the OK prompt.
- To avoid the problem, set the NVRAM `memory-interleave` property to `max`.

The second option causes memory to be interleaved whenever the system is booted. However, this option might be unacceptable because a memory board that contains interleaved memory cannot be dynamically unconfigured. See [“Cannot Unconfigure a CPU/Memory Board That Has Interleaved Memory \(4210234\)”](#) on page 155.

Cannot Unconfigure a CPU/Memory Board That Has Interleaved Memory (4210234)

To unconfigure and subsequently disconnect a CPU board with memory or a memory-only board, first unconfigure the memory. However, if the memory on the board is interleaved with memory on other boards, the memory cannot currently be unconfigured dynamically.

Memory interleaving can be displayed by using the `prtdiag` or the `cfgadm` commands.

Workaround: Shut down the system before servicing the board, then reboot afterward. To permit future DR operations on the CPU/memory board, set the NVRAM `memory-interleave` property to `min`. See also [“Memory Interleaving Set Incorrectly After a Fatal Reset \(4156075\)”](#) on page 154 for a related discussion about interleaved memory.

Cannot Unconfigure a CPU/Memory Board That Has Permanent Memory (4210280)

To unconfigure and subsequently disconnect a CPU board with memory or a memory-only board, first unconfigure the memory. However, some memory cannot currently be relocated. This memory is considered permanent.

Permanent memory on a board is marked “permanent” in the `cfgadm` status display:

```
# cfgadm -s cols=ap_id:type:info
Ap_Id Type Information
ac0:bank0 memory slot3 64Mb base 0x0 permanent
ac0:bank1 memory slot3 empty
ac1:bank0 memory slot5 empty
ac1:bank1 memory slot5 64Mb base 0x40000000
```

In this example, the board in slot3 has permanent memory and so cannot be removed.

Workaround: Shut down the system before servicing the board, then reboot afterward.

cfgadm Disconnect Fails When Running Concurrent cfgadm Commands (4220105)

If a `cfgadm` process is running on one board, an attempt to simultaneously disconnect a second board fails. The following error message is displayed:

```
cfgadm: Hardware specific failure:
disconnect failed: nexus error during detach:address
```

Workaround: Run only one `cfgadm` operation at a time. Allow a `cfgadm` operation that is running on one board to finish before you start a `cfgadm` disconnect operation on a second board.

End-of-Software Support Statements

This chapter lists end-of-software support statements.

Features That Might Be Removed in a Future Release

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

Solstice Enterprise Agents Support

The following Solstice Enterprise Agents™ (SEA) agents, libraries, and packages might not be supported in a future Solaris release:

- SEA-based SNMP master agent and sub agents
- libssagent and libssasnm libraries
- SUNWsacom, SUNWsasnm, SUNWmibii packages

The System Management Agent (SMA) provides similar functionality for the aforementioned sources.

Mozilla 1.X Support

The Mozilla™ 1.X software might not be supported in a future Solaris release. Equivalent software is expected to be available in a future release.

32-bit x86: Extended Memory File System Support

The extended memory file system (xmemfs) might not be supported in a future Solaris release.

For more information, see the `xmemfs(7FS)` man page.

Standard Type Services Framework Support

Standard Type Service Framework (STSF) might not be available in a future Solaris release.

This includes the following:

- `libST` and `libXst` libraries
- `xstls` command
- `stfsloder` service
- XST extension to Xsun and Xorg servers

You can find this functionality in one of the following alternative sources:

- `libX11`
- `libXft2`

SPARC: jfca Driver Support

The JNI Fibre Channel Adapter (`jfca`) driver might not be available in a future Solaris release.

For more information, see the `jfca(7D)` man page.

zic -s Option Support

The `-s` option in the `zic` command might not be available in a future Solaris release.

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

Removable Volume Management Support

The volume management daemon (`vold`), volume management file system (`volfs`), and the associated volume management commands might not be included in a future Solaris release.

Automatic mounting and unmounting of removable media will continue to be supported.

For more information, see the `vold(1M)` and `volfs(7FS)` man pages.

32-bit x86: Controller Devices and Drivers

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

- IBM PC ServeRAID SCSI
- IBM ServeRAID II Ultra SCSI
- IBM ServeRAID-3 Ultra2 SCSI

In addition, device drivers written for these controllers might not be supported.

64-bit SPARC: Dual Basic Rate ISDN Interface and Multimedia Codec Chips

T5900FC Dual Basic Rate ISDN Interface (DBRI) and associated multimedia codec chips might not be supported in a future Solaris release. In addition, device drivers written for these devices might not be supported.

SPARC: Certain Drivers Might Not be Supported in a Future Solaris Release

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

- SUNWrtvc: Device driver for the SunVideo™ real-time video capture and compression card
- SUNWdial: Streams module for the Dials and Buttons devices
- SUNWdialh: Header files for the Dials and Buttons devices

Automated Security Enhancement Tool Support

The checksum functionality provided by Automated Security Enhancement Tool (ASET) in the `/usr/aset` directory might not be available in a future Solaris release.

You can find this functionality in one of the following alternative sources:

- The basic audit reporting tool, `bart`, in Solaris 10 OS
- The Solaris Security Toolkit found at <http://www.sun.com/software/security/jass/>
- The Solaris Fingerprint Database found at <http://sunsolve.sun.com/pub-cgi/show.pl?target=content/content7>

Asian Short `dtlogin` Names

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

- `zh`
- `ko`
- `zh_TW`

Beginning with Solaris 8 release, new ISO-standard locale names have been provided, including the following locale names:

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

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)

Cfront Runtime Support Library

The library `libc.so.3` is the runtime support library for programs that are compiled by the Cfront C++ compiler C++ 3.0. Neither the compiler nor programs that are created by the compiler run on Solaris 10 OS. The library might not be supported in a future release of Solaris.

Configuration Assistant's fp Plug-in Hardware Options

The following options of the configuration administration's (cfgadm) fp plug-in might not be supported in a future Solaris release:

- show_FCP_dev
- unusable_FCP_dev

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
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_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_prop_create	ddi_prop_update
ddi_prop_modify	ddi_prop_update

Obsolete Interface	Preferred Interface
<code>ddi_segmap</code>	see <code>devmap</code>
<code>ddi_segmap_setup</code>	<code>devmap_setup</code>
<code>ddi_unmap_regs</code>	<code>ddi_regs_map_free</code>
<code>free_pktiopb</code>	<code>scsi_free_consistent_buf</code>
<code>get_pktiopb</code>	<code>scsi_alloc_consistent_buf</code>
<code>makecom_g0</code>	<code>scsi_setup_cdb</code>
<code>makecom_g0_s</code>	<code>scsi_setup_cdb</code>
<code>makecom_g1</code>	<code>scsi_setup_cdb</code>
<code>makecom_g5</code>	<code>scsi_setup_cdb</code>
<code>scsi_dmafree</code>	<code>scsi_destroy_pkt</code>
<code>scsi_dmaget</code>	<code>scsi_init_pkt</code>
<code>scsi_pktalloc</code>	<code>scsi_init_pkt</code>
<code>scsi_pktfree</code>	<code>scsi_destroy_pkt</code>
<code>scsi_realloc</code>	<code>scsi_init_pkt</code>
<code>scsi_resfree</code>	<code>scsi_destroy_pkt</code>
<code>scsi_slave</code>	<code>scsi_probe</code>
<code>scsi_unslave</code>	<code>scsi_unprobe</code>
<code>ddi_peek{c,s,l,d}</code>	<code>ddi_peek{8,16,32,64}</code>
<code>ddi_poke{c,s,l,d}</code>	<code>ddi_poke{8,16,32,64}</code>
<code>in{b,w,l}</code>	<code>ddi_get{8,16,32}</code>
<code>out{b,w,l}</code>	<code>ddi_put{8,16,32}</code>
<code>repins{b,w,l}</code>	<code>ddi_rep_get{8,16,32}</code>
<code>repouts{b,w,l}</code>	<code>ddi_rep_put{8,16,32}</code>

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 10 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 4-1 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

Form and Menu Language Interpreter

The Form and Menu Language Interpreter (FMLI) commands are obsolete and might not be supported in a future Solaris release. The obsolete commands include the following:

- /usr/bin/fmli
- /usr/bin/vsig

Host Files in /etc/net/ti*

The host files in /etc/net/ti* are no longer consulted in the Solaris Operating System, though these files remain in the Solaris software. In a future Solaris release, these host files might be entirely removed.

Java 2 Platform, Standard Edition 1.4

Java 2 Platform, Standard Edition (J2SE Platform) 1.4 might not be included in a future Solaris release. J2SE 5.0 software, the default Java version in the Solaris 10 OS, is a compatible replacement for J2SE 1.4 technology.

Kerberos Ticket Lifetime Parameters in krb5.conf

The Kerberos Ticket Lifetime parameters, `max_life` and `max_renewable_life`, might no longer be supported in a future release of the Solaris OS. These parameters are in the `appdefaults` section of the `/etc/krb5/krb5.conf` file. Instead of these parameters, use `max_lifetime` and `renew_lifetime` in the `libdefaults` section of `/etc/krb5/krb5.conf`.

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.

Legacy or Traditional Non-UTF-8 Locales

Sun is adopting Unicode for character encoding. Therefore, except for zh_CN.GB18030 and C locales, non-UTF-8 locales might be removed as the Java Desktop System login locale in a future Solaris release.

Functions in the CPU Performance Counters Library (libcpc)

Hardware performance counters enable the measurement of many different hardware events that are related to CPU behavior. The following functions in the CPU Performance Counters library (libcpc) might not be supported in a future Solaris OS release:

cpc_access	cpc_bind_event
cpc_count_sys_events	cpc_count_usr_events
cpc_event_accum	cpc_event_diff
cpc_eventtostr	cpc_getcciname
cpc_getcpuref	cpc_getcpuver
cpc_getnpic	cpc_getusage
cpc_pctx_bind_event	cpc_pctx_invalidate
cpc_pctx_rele	cpc_pctx_take_sample
cpc_rele	cpc_seterrfn
cpc_shared_bind_event	cpc_shared_close
cpc_shared_open	cpc_shared_rele
cpc_shared_take_sample	cpc_strtoevent
cpc_take_sample	cpc_version
cpc_walk_names	

New functions have been added to the library in Solaris 10 OS. Developers who have code that utilizes the interfaces in the preceding list should instead use the following corresponding new functions:

<code>cpc_open</code>	<code>cpc_close</code>
<code>cpc_set_create</code>	<code>cpc_set_destroy</code>
<code>cpc_set_add_request</code>	<code>cpc_set_request_preset</code>
<code>cpc_buf_create</code>	<code>cpc_buf_destroy</code>
<code>cpc_bind_curlwp</code>	<code>cpc_bind_pctx</code>
<code>cpc_bind_cpu</code>	<code>cpc_unbind</code>
<code>cpc_set_sample</code>	<code>cpc_buf_sub</code>
<code>cpc_buf_add</code>	<code>cpc_buf_copy</code>
<code>cpc_buf_zero</code>	<code>cpc_buf_get</code>
<code>cpc_buf_set</code>	<code>cpc_buf_hrttime</code>
<code>cpc_buf_tick</code>	<code>cpc_walk_requests</code>
<code>cpc_walk_events_all</code>	<code>cpc_walk_events_pic</code>
<code>cpc_walk_attrs</code>	<code>cpc_enable</code>
<code>cpc_disable</code>	<code>cpc_caps</code>
<code>cpc_npics</code>	<code>cpc_cpuresf</code>
<code>cpc_cciname</code>	<code>cpc_seterrhdlr</code>

See the `cpc(3CPC)` man page for details.

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.

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>.

nstest Test Program

The `nstest` is an interactive DNS test program to construct and send DNS queries. This program might no longer be supported in a future Solaris OS release. The same functionality that is provided by this test program is available by using the `dig` and `nslookup` commands.

Perl Version 5.6.1

Perl version 5.6.1 might not be supported in a future Solaris OS release. Perl version 5.8.4, the default version in the Solaris 10 OS, is not binary compatible with Perl version 5.6.1. However, the earlier version is still retained in this Solaris release. Customized modules that are installed by the customer must be rebuilt and reinstalled to use Perl version 5.8.4. Modify any scripts that require the use of version 5.6.1 to specifically use version 5.6.1 of the interpreter instead of version 5.8.4. The interpreters of the respective Perl versions are located in the following directories:

Perl 5.6.1 `/usr/perl5/5.6.1/bin/perl`

Perl 5.8.4 `/bin/perl, /usr/bin/perl, or /usr/perl5/bin/perl`

Solaris Management Console Patch Tool (Patch Manager)

The Solaris Management Console patch tool, Patch Manager, might not be available in a future release.

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.

Sun Fire Link Interfaces

The Sun Fire Link Interfaces might no longer be supported in a future Solaris release.

Sun Java Desktop System Applications

The following applications in the Java DS, Release 3, might be removed from a future release.

- Sun Java Calendar Preview
- GNOME Keyboard Layout Switcher
- JDS Diagram Editor
- JDS Java Text Editor
- JDS Java Dictionary
- JDS Disk Analyzer
- JDS Image Organizer
- JDS Mr. Project

Token Ring and Fiber Distributed Data Interface Device Types

Support for token ring (DL_TPR) and Fiber Distributed Data Interface (FDDI) device types in generic LAN driver (GLD) might be removed in a future Solaris release. After the removal is implemented, drivers for token ring or FDDI that rely on this support in GLD cease to function. However, other drivers or applications that do not use this support are not affected. To test whether a driver relies on GLD, run the following script:

```
#!/bin/sh
#
# Test a driver binary for use of GLD
#
for file
do
```

```
/usr/ccs/bin/nm $file | /bin/awk '
/\|gld_register$/      { isgld=1; }
END {
    if (isgld)
        print file, "uses GLD";
    else
        print file, "does not use GLD";
}' file=$file
done
```

For more information about generic LAN driver, see the `gld(7D)` man page as well as “Writing Device Drivers”.

WBEM-based Dynamic Reconfiguration

The feature known as WDR - Web-Based Enterprise Management Dynamic Reconfiguration - might not be supported in a future release of the Solaris Operating System. WDR is currently supported on Sun Fire midrange and high-end systems.

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.

x86: Xsun DDX Modules, Library, and Related Files

Certain DDX modules for Xsun might be removed from a future Solaris release. These modules are used when you configure the Xsun X server on the kdmconfig screen, Video Device Selection, by selecting an entry that is not prefixed with “XF86.” The files affected by this notice include the following:

- Files in the `/usr/openwin/server/modules` directory whose names do not have the `ddxSUNWxf86` prefix
- The `/usr/openwin/server/lib/libaccel.so.1` library
- Files with the `.xga` suffix under the `/usr/openwin/share/etc/devdata/SUNWaccel/boards` directory

Sun recommends that for your preferred X server, use the Xorg X server whose DDX modules provide comparable functionality to the Xsun X server. However, if you use the Xsun X server, you can still use the XFree86 DDX modules. These are modules with the prefix `ddxSUNWxf86` and whose entries in the kdmconfig screen, Video Device Selection, begin with “XF86.” These modules provide comparable functionality to the Xsun DDX modules that might be removed.

Documentation Issues

This chapter describes known issues that are related to documentation.

Documents on the Software Supplement CD

Beginning with Solaris 10 Operating System, the Supplement CD no longer exists. The documents that were formerly supplied on the Supplement CD can now be found at <http://docs.sun.com>. The rest of the CD's contents reside elsewhere in the Solaris kit or on Sun Microsystems' web site.

System Administration Guide: Basic Administration

This section describes corrections to specific chapters in the System Administration Guide: Basic Administration.

Note – Beginning with the Solaris 10 1/06 release, this section no longer applies to the Solaris documentation.

Managing Diskless Clients (Tasks)

In Step 4 of “How to Add a Diskless Client,” the command to verify whether a diskless client has been added should read as follows:

4. Verify that the diskless clients were installed.

```
# /usr/sadm/bin/smdiskless list -H host-name:898 --
```

Solaris 10 Start Here and Solaris 10 Installation Guides

Note – Beginning with the Solaris 10 1/06 release, this section no longer applies to the Solaris documentation.

The Solaris 10 Start Here and Solaris 10 Installation Guides incorrectly indicate that Sun Java Enterprise System is installed by default in the Solaris 10 release. To install Sun Java Enterprise System with the Solaris 10 OS, you must perform a custom installation.

The following documents incorrectly state that Sun Java Enterprise System is installed by default during a Solaris 10 installation.

Solaris 10 Installation Guide: Basic Installations

- Planning for a Solaris Installation From CD or DVD Media (Tasks) — Checklist for Installation
- Installing With the Solaris Installation Program (Tasks)
 - Step 9 of SPARC: To Install or Upgrade With the Solaris Installation Program
 - Step 17 of x86: To Install or Upgrade With the Solaris Installation Program

Solaris 10 Installation Guide: Network-Based Installations

- Solaris Installation and Upgrade (Roadmap) — Task Map: Installing or Upgrading the Solaris Software
- Gathering Information Before Installation or Upgrade (Planning)
 - Checklist for Installation
 - Checklist for Upgrading

Solaris 10 Installation Guide: Solaris Live Upgrade and Upgrade Planning

- Solaris Installation and Upgrade (Roadmap) — Task Map: Installing or Upgrading the Solaris Software
- Gathering Information Before Installation or Upgrade (Planning) — Checklist for Upgrading

Solaris 10 Installation Guide: Custom JumpStart and Advanced Installations

See Solaris Installation and Upgrade (Roadmap) — Task Map: Installing or Upgrading the Solaris Software.

Solaris 10 Start Here

See Install the Solaris 10 OS.

Solaris 10 Documentation and Man Pages

The company S2io has changed its name to Neterion. All references to S2io in the Solaris 10 documentation and man pages should read Neterion.

Table of Integrated Bug Fixes in the Solaris 10 Operating System

The tables in this appendix list bugs in these Release Notes that have been fixed in the Solaris 10 OS. For bugs that no longer apply to your Solaris 10 OS, refer to the table that corresponds to the specific release that you are using.

Note – The tables are only partial lists. Other fixed bugs in the operating system that were not previously documented in the Release Notes are excluded from these tables. For a complete list, refer to the Solaris 10 Operating System Patch List. The Patch List identifies bugs that have been fixed by specific patches that were applied to the current release. The list includes bugs that have not been documented in the Release Notes.

Fixed and Integrated Bugs

TABLE A-1 Bugs Fixed in the Solaris 10 1/06 Software

CR Number	Title
6363262	Numerous Mozilla Menu Entries Are Garbled in the Russian Locale
6348316	Systems With Multiple CPUs Might Hang During Installation or System Boot
6346843	Bulgarian Locale Uses Russian Character Map
6336069	Error Occurs When You Upgrade a Solaris Live Upgrade Boot Environment With CD or DVD Media
6314583	Serbian Locale Uses Russian Character Map
6303564	SUNWceuw Package Improperly Upgraded if Symbolic Links to Solaris OS Are Changed
6222925	Installation Fails When You Install Solaris Flash Archive on Empty Boot Environment With Solaris Live Upgrade

TABLE A-1 Bugs Fixed in the Solaris 10 1/06 Software *(Continued)*

CR Number	Title
6221374	<code>svccfg import</code> Subcommand Does Not Refresh Dependent Services
6219932	Compose Key Sequences Might Not Work When You Use X Keyboard Extension in Some Locales
6219176	<code>patchadd</code> Fails to Reapply Patches to Newly Installed Packages
6218158	Java Error Messages Are Displayed After a Solaris 10 OS Installation
6216195	Non-Global Zones Created After Patching Global Zones Are Not Accessible by Remote Login Services
6215847	Solaris 10 Installation Disc Ejects When You Install the Solaris Flash Archive
6215739	Solaris GUI Installation Program Fails If You Configure Nonprimary Interface and Enable DHCP
6209619	Using USB 2.0 Hubs With USB 1.x Devices Might Cause System Panic
6208656	Solaris Installation GUI Might Fail When You Install Solaris Flash Archive
6204987	EHCI Driver Unusable in Certain Motherboards
6203680	Using FireWire-1394 Storage Devices Might Cause System Panic
6200924	Pausing USB Audio Devices During Play or Record Operation Might Cause System Deadlock
6189823	<code>localeadm -l</code> Does Not List Installed Korean Locale Packages
6173972	Some Keyboard Keys Not Functioning With Num Lock Key On
5090222	SPARC: GigaSwift Fast and Gigabit Ethernet Devices With Revision IDs Lower Than 32 Might Cause System Panic
5087588	Installation Logs Might Be Incomplete or Inaccurate
5062026	SPARC: Panics That Occur During Suspend and Resume Cycles Might Cause the System to Hang
5062018	Systems With Active Kernel Debugger Might Panic During Suspend/Resume Cycles
5042573	Some UTF-8 Locales Are Unavailable in the Common Desktop Environment Login Service
5042195	Only Part of the Disk Is Usable by <code>fdisk</code> or <code>format</code> Commands
4992478	Permissions for Mount Points Not Preserved in Created Boot Environment
4915974	Solstice DiskSuite Configurations Not Converted to Solaris Volume Manager Format When You Upgrade With Solaris Live Upgrade
4720192, 6215918	<code>/dev</code> and <code>/devices/pseudo</code> Permissions Set Incorrectly After Installation

TABLE A-1 Bugs Fixed in the Solaris 10 1/06 Software *(Continued)*

CR Number	Title
4640568	Systems With Multiple Interfaces Recognize All Interfaces as Usable After Installation or Upgrade
4506562	Solaris Bandwidth Manager Sometimes Causes System Panic During DR Operations

Solaris 10 Operating System Patch List

The patches that are listed in this appendix have been applied to the Solaris 10 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 10 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 they were applied. The Solaris 10 software includes a known and tested level of patches. However, patches cannot be backed out of the Solaris 10 release.

Note – The Solaris 10 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

- **117447-01 – SunOS 5.10: /usr/sbin/ntpdate patch**
6237001
- **117463-02 – SunOS 5.10: passwdutil Patch**
5007891 5096736
- **117465-02 – SunOS 5.10: fwtmp Patch**
6180974

- **118346-04 – SunOS 5.10: libnsl Patch**

4419428 5076562 5083131 5106725 6181364 6183842 6202015 6216286 6219101 6220169 6221584
6222529 6223178 6229087 6229583 6230033 6232253 6232309 6237669 6237801 6243604 6255593
6264225 6265569 6266851 6267828 6272568 6281100 6281113 6282049 6284455 6286625 6295417
6298484 6298972 6298974 6298981 6305465 6307994 6309430 6310438 6313638 6313668 6313670
6314073 6322672 6323319 6323322 6323393 6323554 6328144 6331093 6332245 6333184 6333617
6335522 6335549 6342823 6342977 6346926 6354842 6356155 6359264 6359850 6363503 6365335
6365742 6365743 6366758 6366821 6366825 6367031 6367044 6367046 6367047 6367049 6367051
6367053 6367057 6367061 6367063 6367067 6367068 6367069 6367070 6367073 6367075 6367222
6367985 6368526 6368690 6369961 6370284 6370798 6370802 6371490 6372151 6373071 6376283
6377319 6377640 6378297 6378676 6379498 6381022 6383188 6384565 6384727 6385004 6385007
6385479 6385516 6388986 6389646 6389650 6390114 6390119 6390205 6390232 6390296 6390617
6390709 6391117 6391121 6391774 6392166 6392223 6392467 6393356 6393362 6395385 6397762
6397830 6398161

- **118348-01 – SunOS 5.10: fcode Patch**

6177369

- **118367-03 – SunOS 5.10: csh Patch**

6209912 6282038 6307905 6311438 6314637 6336149

- **118371-07 – SunOS 5.10: elfsign Patch**

4987141 5019131 5057756 5099921 6196062 6214106 6214824 6216464 6218014 6218030 6220136
6221396 6222046 6222935 6238177 6238962 6239551 6258804 6258976 6259973 6265403 6268124
6282641 6283570 6301500 6317027 6326584 6331159 6333693 6340770 6347364 6348585 6367959

- **118373-01 – SunOS 5.10: mpstat Patch**

6223353

- **118557-03 – SunOS 5.10: platform/sun4u/kernel/drv/sparcv9/su patch**

6222697 6300839 6365805

- **118560-01 – SunOS 5.10: patch usr/bin/telnet**

6234932

- **118564-02 – SunOS 5.10: patch /usr/lib/libproc.so.1**

6237196

- **118566-01 – SunOS 5.10: patch usr/sbin/ping**

6222209

- **118666-05 – J2SE 5.0: update 6 patch**

4263904 4976239 4986256 5043245 5047307 5053844 5062222 5068014 5073778 5083062 5092063
 5101898 5104215 6173783 6174229 6177732 6182812 6195469 6197534 6197726 6204620 6206166
 6206441 6206933 6208022 6215625 6231602 6232820 6232954 6233622 6237688 6239400 6240876
 6241823 6248507 6251458 6253848 6254441 6256473 6257260 6258466 6260834 6262235 6262572
 6263272 6264252 6267224 6267930 6269555 6271298 6281384 6282084 6282891 6283270 6283361
 6285301 6286011 6286189 6287191 6287601 6291034 6294558 6295680 6296125 6296410 6298940
 6301771 6302769 6302904 6304225 6304650 6305546 6305653 6307455 6310737 6310858 6311255
 6313317 6315358 6317122 6317178 6317278 6322521 6322568 6325315 6325748 5060628 6201802
 6259137 6305157 6311051 6322301 6325504 6329042 6331269 6332350 6337834 6338436 6338891
 6340079 6340202 6342738 6343024 6287164 6343111 6344735 6346725 6347132 6348045 4521075
 4855860 4868278 4896773 5039416 5045217 5070081 5077603 5086160 5086424 5089317 5109224
 6180936 6183734 6186280 6190413 6192376 6207824 6209695 6212440 6214543 6217210 6223265
 6224811 6226827 6229389 6231029 6232485 6233005 6235633 6240755 6245809 6250214 6250749
 6251460 6255285 6255949 6257124 6257182 6258006 6259991 6263814 6264872 6268365 6269854
 6272715 6274390 6278597 6279126 6283161 6286864 6296218 6306172 4207472 4305459 4881314
 4964339 4975824 5003235 5044738 5053272 5055567 5067517 5074396 5076514 5077866 5078280
 5079751 5083441 5087208 5088035 5092850 5095117 5097015 5097241 5101391 5102490 5109602
 6174596 6176318 6176814 6178395 6186747 6191542 6192422 6194668 6195301 6196089 6198522
 6200138 6203233 6203483 6204669 6205422 6210088 6211480 6213128 6214132 6218454 6218682
 6218987 6220064 6222034 6223691 6224591 6225440 6225605 6226269 6227033 6227583 6228585
 6231186 6231936 6232039 6232513 6232607 6233169 6234804 6237349 6237552 6237654 6240586
 6241743 6243108 6243400 6244063 6250286 6250517 6252770 6254466 6255782 6256476 6256477
 6256728 6258508 6258681 6259113 6261269 6261304 6261558 6261980 6263857 6268145 6268876
 6273094 6273975 6277246 6277266 6277315 6277659 6278491 4388541 4684153 4845692 4911491
 4915324 4974531 4980122 4987923 5003402 5023243 5037521 5038903 5051880 5054010 5058132
 5058463 5062118 5064088 5070730 5073407 5074530 5074836 5079429 5079729 5079742 5084004
 5084812 5086089 5087395 5088035 5088701 5088703 5089312 5089429 5090555 5090643 5091805
 5092058 5094112 5094138 5094505 5097131 5097939 5099360 5102082 5103449 5104239 5105410
 5105917 5105918 5106044 5107852 5108694 5110117 6175601 6177059 6178366 6179014 6179233
 6182630 6183297 6184225 6184713 6184715 6184718 6185342 6185483 6186650 6188839 6188959
 6188963 6189072 6189657 6189687 6190277 6190713 6190873 6190987 6191064 6192124 6192223
 6192448 6192845 6192907 6192944 6193821 6194024 6194838 6195181 6195632 6195718 6197664
 6198632 6199000 6199899 6200343 6200960 6201185 6201302 6201464 6201644 6201884 6201952
 6202061 6203504 6205320 6205321 6205414 6205494 6206764 6207138 6207322 6209613 6210721
 6211220 6212165 6214159 6214166 6214369 6214784 6215407 6216277 6219639 6220829 6221563
 6222071 6222449 6224433 6224438 6225348 6233287 6219668 4548788 4656461 4897333 4924758
 4949631 4984794 4994329 5017051 5023873 5024379 5056403 5075526 5075546 5080386 5082319
 5089985 5092094 5100483 5101128 5104960 5105765 6173972 6180194 6181598 6181784 6182685
 6189106 6189594 6195099 6206216 6206839 6207079 6207830 6208366 6208545 6208676 6208712
 6208965 6209095 6209342 6209737 6210227 6213461 6213473 6215109 6215480 6215746 6218309
 6219491 6219495 6221549 6222350 6224405 6226589 6227551 6227874 6228205 6229377 6229965
 6231054 6231145 6231216 6232417 6232636 6233573 6234174 6234219 6234909 6237671 6238128
 6247771 6250165 6250473 6261499 6261509 6261510

■ 118667-05 – J2SE 5.0: update 6 patch, 64bit

4263904 4976239 4986256 5043245 5047307 5053844 5062222 5068014 5073778 5083062 5092063
 5101898 5104215 6173783 6174229 6177732 6182812 6195469 6197534 6197726 6204620 6206166
 6206441 6206933 6208022 6215625 6231602 6232820 6232954 6233622 6237688 6239400 6240876

6241823 6248507 6251458 6253848 6254441 6256473 6257260 6258466 6260834 6262235 6262572
6263272 6264252 6267224 6267930 6269555 6271298 6281384 6282084 6282891 6283270 6283361
6285301 6286011 6286189 6287191 6287601 6291034 6294558 6295680 6296125 6296410 6298940
6301771 6302769 6302904 6304225 6304650 6305546 6305653 6307455 6310737 6310858 6311255
6313317 6315358 6317122 6317178 6317278 6322521 6322568 6325315 6325748 5060628 6201802
6259137 6305157 6311051 6322301 6325504 6329042 6331269 6332350 6337834 6338436 6338891
6340079 6340202 6342738 6343024 6287164 6343111 6344735 6346725 6347132 6348045 4521075
4855860 4868278 4896773 5039416 5045217 5070081 5077603 5086160 5086424 5089317 5109224
6180936 6183734 6186280 6190413 6192376 6207824 6209695 6212440 6214543 6217210 6223265
6224811 6226827 6229389 6231029 6232485 6233005 6235633 6240755 6245809 6250214 6250749
6251460 6255285 6255949 6257124 6257182 6258006 6259991 6263814 6264872 6268365 6269854
6272715 6274390 6278597 6279126 6283161 6286864 6296218 6306172 4207472 4305459 4881314
4964339 4975824 5003235 5044738 5053272 5055567 5067517 5074396 5076514 5077866 5078280
5079751 5083441 5087208 5088035 5092850 5095117 5097015 5097241 5101391 5102490 5109602
6174596 6176318 6176814 6178395 6186747 6191542 6192422 6194668 6195301 6196089 6198522
6200138 6203233 6203483 6204669 6205422 6210088 6211480 6213128 6214132 6218454 6218682
6218987 6220064 6222034 6223691 6224591 6225440 6225605 6226269 6227033 6227583 6228585
6231186 6231936 6232039 6232513 6232607 6233169 6234804 6237349 6237552 6237654 6240586
6241743 6243108 6243400 6244063 6250286 6250517 6252770 6254466 6255782 6256476 6256477
6256728 6258508 6258681 6259113 6261269 6261304 6261558 6261980 6263857 6268145 6268876
6273094 6273975 6277246 6277266 6277315 6277659 6278491 4548788 4656461 4897333 4924758
4949631 4984794 4994329 5017051 5023873 5024379 5056403 5075526 5075546 5080386 5082319
5089985 5092094 5100483 5101128 5104960 5105765 6173972 6180194 6181598 6181784 6182685
6189106 6189594 6195099 6206216 6206839 6207079 6207830 6208366 6208545 6208676 6208712
6208965 6209095 6209342 6209737 6210227 6213461 6213473 6215109 6215480 6215746 6218309
6219491 6219495 6221549 6222350 6224405 6226589 6227551 6227874 6228205 6229377 6229965
6231054 6231145 6231216 6232417 6232636 6233573 6234174 6234219 6234909 6237671 6238128
6247771 6250165 6250473 6261499 6261509 6261510 4388541 4684153 4845692 4911491 4915324
4974531 4980122 4987923 5003402 5023243 5037521 5038903 5051880 5054010 5058132 5058463
5062118 5064088 5070730 5073407 5074530 5074836 5079429 5079729 5079742 5084004 5084812
5086089 5087395 5087826 5088701 5088703 5089312 5089429 5090555 5090643 5091805 5092058
5094112 5094138 5094505 5097131 5097939 5099360 5102082 5103449 5104239 5105410 5105917
5105918 5106044 5107852 5108694 5110117 6175601 6177059 6178366 6179014 6179233 6182630
6183297 6184225 6184713 6184715 6184718 6185342 6185483 6186650 6188839 6188959 6188963
6189072 6189657 6189687 6190277 6190713 6190873 6190987 6191064 6192124 6192223 6192448
6192845 6192907 6192944 6193821 6194024 6194838 6195181 6195632 6195718 6197664 6198632
6199000 6199899 6200343 6200960 6201185 6201302 6201464 6201644 6201884 6201952 6202061
6203504 6205320 6205321 6205414 6205494 6206764 6207138 6207322 6209613 6210721 6211220
6212165 6214159 6214166 6214369 6214784 6215407 6216277 6219639 6220829 6221563 6222071
6222449 6224433 6224438 6225348 6233287 6219668

- **118676-02 – SunOS 5.10: patch for Solaris make and sccs utilities**

6208430 5037057

- **118683-01 – SunOS 5.10: Patch for assembler**

5069118 5071178 5079903 5093350 5090509 6192963 6236017 6253736

- **118706-01 – SunOS 5.10: Creator and Creator3D: FFB Graphics Patch**

6240103

- **118707-04 – SunOS 5.10: Expert3D IFB Graphics Patch**

6239859 6278448 6297322 6266390 6319759

- **118708-12 – SunOS 5.10: Sun XVR-1200 and Sun XVR-600 Graphics Accelerator Patch**

6202655 6205888 6210235 6244529 6248620 6250233 6260241 6266390 6278448 6279278 6293254
6297322 6311081 6319362 6368913 6364976

- **118711-02 – SunOS 5.10: M64 Graphics Patch**

4950414 6269998

- **118712-09 – SunOS 5.10: Sun XVR-100 Graphics Accelerator Patch**

5098578 6182271 6214907 6260233 6282798 6282999 6302266 6307293 6345888 6350133 6373835
6377359 6385527

- **118731-01 – SunOS 5.10: /usr/sbin/zonecfg patch**

6229724

- **118733-03 – SunOS 5.10: snmpdx patch**

6227115 6228341 6275006 6277029

- **118735-01 – SunOS 5.10: patch usr/sbin/rpc.nisd_resolv**

6220055

- **118777-04 – SunOS 5.10: Sun GigaSwift Ethernet 1.0 driver patch**

6266985 6255365 6277650 6273441 6223263 6238254 6261657 6251174 6279238 6266901 6218302
6280692 6304571 6216131 6255394 6214285 6310502 4722784 6356079 4770635 6358618 6358633
4763926

- **118812-03 – SunOS 5.10: Netra ntwdt driver patch**

4165223 4939546 6226428 6228652 6228655 6230025 6359179 6360218

- **118814-01 – SunOS 5.10: patch platform/sun4u/kernel/tod/sparcv9/todsg**

6226428 6228652 6228655 6230025

- **118815-03 – SunOS 5.10: patch usr/xpg4/bin/awk**

5004023 5040318 5074811 5090114 6195584 6320514 6368966

- **118822-30 – SunOS 5.10: kernel Patch**

4117562 4165223 4256818 4387797 4471706 4486878 4636944 4638717 4712059 4745648 4763363
4782952 4818196 4818484 4849565 4853554 4872386 4892666 4913952 4923208 4927518 4931229

4939546 4954646 4954703 4972826 4995852 5005976 5007714 5007726 5013200 5017095 5029967
5031470 5039369 5041567 5062645 5067964 5070446 5073604 5076027 5076357 5076548 5076976
5081575 5084452 5085886 5087929 5090037 5090773 5091442 5095432 5099850 5102062 5106644
5106803 5108067 5108961 5109126 5110153 6175438 6178746 6179167 6180137 6182677 6183621
6184323 6186851 6187076 6189856 6190561 6194576 6196169 6198405 6198521 6198766 6198890
6198953 6199444 6200160 6200295 6200924 6200969 6201257 6202564 6203955 6204983 6204987
6205337 6206217 6206732 6207772 6207963 6208532 6208798 6209399 6209411 6209588 6209619
6210697 6210881 6210936 6211827 6211936 6212248 6212406 6212756 6213074 6213184 6213277
6213962 6214180 6214472 6214604 6214615 6215546 6216056 6216134 6216447 6217370 6217624
6217821 6218194 6218854 6219127 6219132 6219142 6219195 6219317 6219672 6220234 6220478
6220843 6221058 6221094 6221490 6221495 6221496 6221498 6222174 6222228 6222466 6222535
6223059 6223379 6223603 6223915 6224061 6224745 6224788 6224822 6224934 6225650 6226023
6226263 6226302 6226320 6226332 6226345 6226441 6226484 6226862 6226920 6226968 6227041
6227733 6227872 6227893 6228044 6228498 6228709 6229159 6229172 6229575 6230117 6230146
6230156 6230249 6230315 6230528 6230552 6230925 6230951 6230979 6230995 6231030 6231203
6231205 6231207 6231502 6231804 6231964 6232332 6232748 6232852 6232864 6233073 6233184
6233388 6233613 6233615 6233624 6233919 6234004 6234033 6234037 6234063 6234072 6234449
6234710 6235003 6235044 6235086 6235348 6235959 6236000 6236038 6236072 6236182 6236382
6236617 6236726 6236942 6237066 6237078 6237197 6237355 6237357 6237411 6237666 6237779
6237793 6237799 6237823 6237913 6238277 6238322 6238533 6238601 6238679 6238686 6239011
6239254 6239626 6239708 6239801 6240160 6240205 6240367 6240456 6240490 6240925 6241299
6241305 6241739 6241837 6242365 6242764 6242831 6243241 6243341 6243444 6243456 6243651
6243897 6244310 6244315 6244317 6244320 6244431 6244519 6245378 6245760 6245953 6246138
6246787 6246875 6247399 6247821 6248393 6248527 6248555 6248591 6248910 6249127 6249703
6249712 6250374 6250382 6250386 6250493 6250931 6251092 6251611 6251625 6251659 6251754
6251862 6252083 6252176 6252398 6252403 6252407 6252411 6252856 6253027 6253028 6253030
6253031 6253033 6253548 6253575 6253744 6253747 6253788 6253955 6254258 6254303 6254433
6254741 6254783 6254835 6254960 6255351 6255668 6255689 6255906 6256111 6256152 6256158
6256245 6256312 6256357 6257150 6258024 6258433 6258528 6258738 6259168 6259227 6259385
6259467 6259768 6260039 6260517 6260524 6261173 6261284 6262302 6262887 6263122 6263250
6263338 6263907 6263927 6264443 6264469 6264473 6264487 6265027 6265068 6265086 6265087
6265088 6265090 6265094 6265177 6265183 6265240 6265652 6266922 6267670 6267671 6267680
6267682 6267693 6267695 6267718 6267731 6267759 6267778 6267902 6268152 6268387 6269064
6269246 6269285 6269465 6269633 6270528 6271650 6271688 6271759 6272550 6272573 6272652
6272865 6272867 6273098 6273261 6273474 6274126 6274840 6274965 6274969 6275414 6276048
6276242 6277017 6277084 6277108 6277224 6277304 6278369 6278450 6279331 6279506 6279569
6279871 6279932 6280390 6281150 6281281 6281300 6282037 6282121 6282291 6282386 6282867
6282875 6282885 6283314 6283565 6283577 6284597 6285253 6285447 6286341 6287398 6287550
6287766 6287771 6287776 6287954 6288246 6288365 6288882 6289017 6289141 6290459 6290673
6291662 6291720 6291876 6291901 6292054 6292950 6294464 6294490 6294727 6294867 6294902
6296526 6296594 6297432 6298780 6298786 6298895 6298989 6299091 6300289 6300406 6300734
6300960 6301419 6302130 6302322 6302652 6302751 6302807 6303053 6303188 6303210 6303260
6303405 6303424 6303530 6303569 6304200 6304378 6304654 6304736 6304858 6305393 6305938
6306072 6307395 6308352 6308356 6308380 6309270 6310724 6311048 6311869 6312753 6312960
6313025 6313259 6313403 6313410 6313488 6313788 6313837 6313842 6314321 6314417 6315667
6316557 6316758 6317091 6317693 6317947 6319100 6319881 6320968 6321197 6321578 6321768
6322165 6322179 6322231 6322663 6324156 6324573 6324745 6324927 6327017 6327762 6328296
6328310 6328906 6329593 6330256 6330610 6330765 6331250 6332594 6332961 6333456 6333712

6333857 6334302 6334433 6335629 6336748 6336768 6337355 6338258 6340768 6342112 6342422
 6343544 6344065 6344138 6344639 6345818 6347726 6348423 6349977 6350363 6351843 6359001
 6359117 6359179 6360218 6364043 6376993

- **118824-01 – SunOS 5.10: patch usr/bin/sparcv9/sort**

6178339

- **118830-01 – SunOS 5.10: hme patch**

5005976 5076750 6235003 6240490

- **118833-17 – SunOS 5.10: kernel patch**

4063945 4108775 4165223 4471706 4511681 4621371 4638717 4644326 4670406 4691277 4796051
 4799697 4818196 4841261 4845958 4855218 4880976 4885996 4886293 4898397 4905227 4908967
 4915681 4928000 4931229 4932869 4934259 4938301 4951608 4954703 4968226 5004247 5004701
 5010267 5019542 5023079 5023670 5034470 5042195 5042855 5042924 5047630 5052723 5058075
 5062145 5062435 5067964 5076562 5080443 5083131 5083133 5084073 5084421 5085739 5087103
 5088665 5090022 5090037 5096886 5096891 5099806 5099855 5102894 5105010 5105717 6174574
 6178604 6180557 6181364 6183842 6192523 6194015 6194723 6196844 6196850 6196861 6197460
 6198351 6198523 6198614 6199406 6200071 6200896 6201076 6201142 6201425 6201431 6202015
 6202573 6203470 6203517 6203547 6203680 6204546 6205014 6207840 6207842 6208532 6209350
 6209502 6210668 6210936 6212406 6212797 6213418 6213463 6213486 6213551 6214108 6214604
 6214620 6214687 6214698 6214721 6214834 6214946 6215000 6215065 6215444 6216134 6216286
 6216419 6216470 6217001 6217870 6218082 6218854 6219101 6219132 6219142 6219178 6219317
 6219538 6219651 6219672 6219812 6219928 6220069 6220169 6220217 6220441 6220619 6221306
 6221584 6221845 6222525 6222529 6223178 6223331 6223375 6223563 6223569 6223572 6223580
 6223583 6223809 6224221 6224730 6225780 6225876 6225908 6226206 6226357 6226445 6226484
 6226756 6226862 6227029 6227074 6227237 6228017 6228203 6228472 6228610 6228709 6229034
 6229087 6229583 6229676 6229754 6230033 6230117 6230133 6230146 6230252 6230552 6231030
 6231288 6231461 6231877 6232253 6232301 6232309 6232414 6232422 6232586 6233064 6233613
 6233624 6234108 6234227 6234486 6234506 6234594 6234710 6234904 6235000 6235044 6235370
 6236513 6236594 6236942 6237078 6237149 6237197 6237355 6237357 6237411 6237585 6237801
 6237899 6238276 6238679 6238686 6238996 6239625 6239671 6239895 6239984 6240160 6240342
 6240363 6240663 6241995 6243444 6244328 6244897 6245233 6245378 6245953 6246111 6246138
 6247143 6247310 6248250 6249127 6249580 6250211 6250256 6250345 6251093 6251722 6251754
 6251798 6252155 6252197 6252555 6253561 6253744 6254364 6254876 6255593 6255670 6255855
 6255872 6256094 6256157 6256272 6256312 6256317 6256372 6256554 6256813 6256824 6257150
 6257177 6257280 6257772 6257917 6258024 6258834 6259731 6260355 6260361 6260568 6260679
 6260780 6261642 6261803 6261805 6261853 6261859 6261946 6261990 6262249 6262297 6262304
 6262347 6262353 6262573 6262789 6263065 6263070 6263078 6263194 6264169 6264225 6264415
 6264845 6264903 6265425 6265542 6265569 6265652 6266261 6266388 6266836 6266851 6266969
 6267352 6267828 6268693 6268697 6269525 6270398 6270710 6270748 6271314 6271323 6271626
 6271814 6271950 6272461 6272563 6272568 6272599 6272602 6273373 6273374 6273456 6273855
 6273864 6273875 6274712 6274882 6274894 6274899 6275398 6275431 6276036 6276060 6276905
 6277961 6279001 6279317 6279871 6280143 6280180 6280467 6280668 6281038 6281100 6281113
 6281147 6281836 6281885 6282049 6282340 6282389 6282776 6283601 6284239 6284455 6284906
 6284941 6284968 6286625 6286916 6287422 6288090 6288420 6288430 6288435 6288440 6288448
 6289440 6290157 6290542 6290788 6290877 6290936 6291309 6291547 6291896 6292076 6292943

6293434 6295417 6295971 6296379 6297503 6297523 6297798 6298484 6298972 6298974 6298981
6299049 6299476 6299525 6299894 6300267 6301218 6301274 6301815 6301944 6302553 6303398
6303761 6303973 6304890 6304902 6304904 6305207 6305465 6305935 6306150 6306529 6306717
6306768 6306925 6307994 6308117 6308155 6309061 6309430 6309515 6309525 6310438 6310736
6311460 6311865 6312354 6312508 6313638 6313668 6313670 6313684 6314073 6314115 6314455
6314504 6314743 6315921 6316452 6316463 6316748 6317239 6317940 6318306 6318401 6321149
6321383 6322005 6322205 6322672 6322770 6322966 6323319 6323322 6323393 6323554 6323732
6324019 6324589 6325893 6326077 6326078 6326187 6326505 6326531 6326533 6326547 6326583
6326981 6327336 6327693 6327929 6328144 6328230 6328286 6328296 6328317 6329568 6329696
6329796 6330278 6330830 6331093 6331880 6331883 6332057 6332245 6332260 6332352 6332630
6332874 6332942 6332948 6332983 6333184 6333195 6333461 6333506 6333617 6333763 6333880
6334510 6334799 6334882 6334921 6335370 6335522 6335549 6335611 6336163 6336322 6336467
6337073 6337131 6337136 6337437 6337564 6337636 6338046 6338081 6338131 6338316 6338386
6338584 6338653 6338660 6339319 6339377 6339404 6339731 6339777 6339808 6339812 6339847
6339942 6340699 6340735 6340766 6340778 6340900 6340983 6341003 6341045 6341429 6342066
6342630 6342823 6342966 6342977 6343017 6343199 6343332 6343344 6343566 6344186 6344261
6345641 6345690 6346183 6346204 6346270 6346500 6346769 6346926 6347166 6347201 6347453
6348147 6348244 6348407 6348751 6349232 6349440 6349487 6350098 6350389 6350407 6350416
6350499 6350501 6350643 6350831 6351165 6351378 6351973 6352347 6352865 6353529 6354106
6354381 6354461 6354842 6354997 6355609 6355634 6355638 6356155 6356477 6357424 6357796
6357980 6358025 6358194 6358498 6359179 6359264 6359850 6360218 6360506 6360864 6361071
6361204 6361360 6361577 6362390 6362558 6362641 6363503 6363506 6363618 6364052 6364175
6364242 6365335 6365742 6365743 6366442 6366758 6366821 6366825 6367031 6367044 6367046
6367047 6367049 6367051 6367053 6367057 6367061 6367063 6367067 6367068 6367069 6367070
6367073 6367075 6367222 6367349 6367490 6367660 6367985 6368142 6368526 6368593 6368690
6369794 6369961 6370222 6370284 6370368 6370798 6370802 6371413 6371490 6372009 6372151
6372239 6373071 6373609 6374407 6376283 6376429 6376682 6376967 6376992 6377034 6377319
6377502 6377507 6377640 6377680 6378297 6378676 6379281 6379498 6379909 6380739 6380908
6380970 6381022 6381344 6383013 6383188 6383623 6383670 6384565 6384727 6385004 6385007
6385230 6385420 6385479 6385516 6387501 6388096 6388273 6388986 6389326 6389646 6389650
6390114 6390119 6390205 6390232 6390296 6390617 6390709 6391117 6391121 6391774 6392166
6392223 6392467 6393356 6393362 6393434 6393671 6394140 6395385 6395670 6395791 6396507
6397251 6397267 6397308 6397762 6397830 6397933 6398012 6398161 6398887 6399231 6399242
6399298 6399301 6399483 6399918 6399930 6400742 6400792 6401243 6402388 6402576 6402785
6403294 6405008 6405662 6406561 6406676 6407365 6407366 6407367 6407377 6407635 6407791
6409927 6410371 6410698 6410700 6410709 6410781 6416196 6418368 6418634 6420136 6421970
6424093 6424180 6426194 6427081 6428839 6429440 6429822

- **118842-01 – SunOS 5.10: dada patch**

5005976 6235003 6240490

- **118870-01 – SunOS 5.10: nss_ldap patch**

6230927

- **118872-02 – SunOS 5.10: ksh patch**

6208198 6261715

- **118879-01 – SunOS 5.10: dhcp daemon patch**

4932150

- **118884-01 – SunOS 5.10: atomic.h patch**

4954703

- **118890-02 – SunOS 5.10: llib-ld patch**

4954703 5004247

- **118918-17 – SunOS 5.10: Solaris Crypto Framework patch**

4691624 4721729 4920408 4925453 4926742 4931202 5039273 5059459 5059461 5062050 5067502
 5072858 5100567 6181926 6195428 6195934 6197268 6197284 6198116 6199119 6200215 6204887
 6211857 6215509 6215816 6216772 6217866 6220814 6222467 6223863 6223866 6223869 6228384
 6231739 6231978 6249979 6250168 6250963 6252894 6253484 6262344 6264344 6264379 6274680
 6276483 6276609 6278459 6278572 6278578 6280574 6286372 6287425 6287428 6288840 6296920
 6314217 6332420 6336131 6336517 6345493 6352877 6355571 6355597 6357426 6358078 6359179
 6360218 6364043 6368332 6372133 6372169 6372587 6373525 6376993 6405871 6408419

- **118925-03 – SunOS 5.10: unistd header file patch**

4063945 5090022 5096886 6214687 6214698 6215000 6239984 6245233 6262573 6277961 6292076
 6322205 6338653 6348407 6368142 6388096

- **118929-05 – SunOS 5.10: config files patch**

6233613 6237411 6302802 6302827 6359179 6360218 6400068

- **118945-01 – SunOS 5.10: Sun Gigabit Ethernet 3.0 driver patch**

6238162 5019183 6240487

- **118959-02 – SunOS 5.10: patch usr/bin/lastcomm and usr/bin/acctcom**

5040580 6200474 6227221

- **118965-01 – X11 6.8.0: Xorg**

6366603

- **118981-03 – SunOS 5.10: Sun Quad FastEthernet qfe driver**

6238254 6267267 6268767 6293226 6347707 6297366

- **119042-09 – SunOS 5.10: patch usr/sbin/svccfg**

6197520 6217410 6221374 6222202 6231947 6251841 6287888 6296112 6299709 6351779 6355665
 6367481 6397719

- **119059-13 – X11 6.6.2: Xsun patch**

6219932 6219947 5016163 6224159 6276115 6212502 6228875 6219170 6248445 6265634 4751462
 6226733 6248453 6247062 6248417 6216985 6269938 6226717 6265045 6280222 6297797 6278131

6279680 6270914 6316436 6227843 6326551 6265414 6347707 6359918 6378204 6361567 6376462
6383556 6255133

- **119063-01 – SunOS 5.10: libXpm patch**

6231515 6241936

- **119065-01 – SunOS 5.10: fc-cache patch**

6205323

- **119070-04 – SunOS 5.10: Netra-CP2300 Patch**

6197206 6213630 6233445

- **119073-03 – SunOS 5.10: ldapclient patch**

6217454 6228760

- **119077-10 – SunOS 5.10: SPECIAL PATCH: For EDITABLE Files**

4691624 6194576 6199119 6215509 6226428 6228652 6228655 6230025 6231964 6233613 6238277
6241837 6249025 6302802 6299091 6280390 6282121 6254960 6264487 6313488

- **119079-13 – SunOS 5.10: Script Patch**

6210697 6223059 6226968 6233613 6238277 6242365 6243456 6256312 6273106 6302827 6324123
6326533 6231947 6251841 6222202 6217410 6344138

- **119081-20 – SunOS 5.10: CD-ROM Install Boot Image Patch**

4393815 4649122 4692667 4713660 4716085 4719125 4789211 4947796 5009917 5047412 5064512
6178185 6198783 6215847 6215918 6218158 6221702 6222925 6252385 6252388 6254694 6288726
6290082 6297948 6297950 6301206 6313099 6314149 6319439 6320965 6323208 6323511 6325862
6329642 6331510 6332093 6332722 6336267 6340354 6341482 6342039 6343072 6344771 6347051
6349235 6350819 6351213 6354062 6355905 6364583 6367162 6369598 6372101 6374024 6376794
6390503 6422730 6425215 6425221 6426207

- **119088-06 – SunOS 5.10: SPECIAL PATCH: qlc Script Patch to replace package scripts**

6210934 6236343 6292280 6292987 6303297 6320936

- **119090-19 – SunOS 5.10: Sun iSCSI Device Driver and Utilities**

5094124 5094370 6173739 6173912 6186291 6204742 6206029 6206568 6207172 6207973 6208490
6211472 6211499 6211560 6211924 6212031 6212320 6213484 6213487 6213490 6213516 6214405
6214546 6215262 6216983 6218751 6219608 6220407 6220773 6221284 6221432 6221880 6222630
6224359 6224866 6226740 6226933 6228489 6230319 6231086 6231706 6233206 6233384 6235292
6236260 6236271 6236375 6239078 6239185 6239207 6240818 6240849 6240911 6241611 6242847
6244250 6244358 6245161 6247445 6249424 6249509 6250036 6251575 6254172 6254222 6255629
6257030 6258672 6259522 6259737 6261483 6261560 6261627 6261669 6262279 6262413 6263279
6263322 6263646 6267539 6267543 6268840 6268934 6271727 6274744 6275410 6276026 6278190
6280621 6282455 6282646 6282686 6284875 6285462 6287318 6288103 6290500 6292453 6293219

6296381 6296407 6296971 6297371 6297390 6298546 6299456 6300099 6300259 6303184 6304963
 6306146 6311820 6314187 6314196 6338487 6340791 6341375 6343904 6344551 6348170 6354973
 6357322 6358044 6361861 6368415 6370257 6371828 6374756 6375178 6375740 6376509 6377558
 6378143 6378566 6379890 6380321 6380424 6381723 6382994 6383806 6388390 6390196 6390387
 6391839 6412468

- **119092-07 – SunOS 5.10: SPECIAL PATCH: iSCSI Script Patch to replace package scripts**

5094124 6207973 6213487 6239078 6251575 6380424 6418007

- **119115-17 – Mozilla 1.7 patch**

6177442 6221725 6211632 6192644 6200999 6200994 5077554 6200990 6202289 6224482 6225441
 6228782 6216830 6224900 6234566 6245856 6247811 6247837 6247838 6247849 6248466 6248468
 6248516 6248547 6248557 6248594 6248613 6249777 6249778 6255667 6248548 6249776 6259266
 6259860 6259866 6259873 6259902 6260571 6260573 6269887 6261013 6281357 6271958 5015369
 6251128 6267169 6281360 6282170 6282190 6284465 6287117 6258444 6297209 6297215 6297218
 6297219 6297231 6191277 6200696 6200705 6282893 6297174 6297242 6317624 6318009 6334587
 6334619 6339970 6249857 6254398 6352958 6360106 6369969

- **119117-17 – Evolution 1.4.6 patch**

6204976 6201742 6218068 6182553 6206223 6216041 6231010 6222258 6251188 6262120 6272983
 6259214 6249871 6253417 6279337 6297294 6299994 6303111 6182358 6198500 6206245 6221676
 6300019 5099374 5106735 6306915 6226019 6312129 6321792 6323770 6335859 6306791 6305171
 6210993 6221680 6211080 6301782 6330472 6330479 4992018 6335855 6346038 6349674 5054558
 6350965 6342113 6336425 6367678 6369109 6381422 6380083 6300007 6354689 6375476 6376155
 6389050 6369082

- **119130-20 – SunOS 5.10: Sun Fibre Channel Device Drivers**

4368092 4792071 4961555 4976582 4998402 5077933 5091773 6198588 6205269 6207101 6207184
 6207845 6210934 6214931 6215726 6216326 6216743 6221242 6225769 6227340 6227562 6233352
 6233800 6235327 6235886 6238787 6250038 6254848 6258722 6260549 6261607 6270092 6276354
 6279071 6279108 6283597 6286318 6288500 6288908 6290618 6292280 6292446 6292987 6295169
 6296383 6298259 6298288 6306254 6311175 6311314 6313089 6316063 6317420 6319731 6320936
 6323973 6325525 6326293 6328146 6328827 6329995 6331949 6337290 6341027 6342934 6343904
 6344143 6345310 6346519 6349983 6350809 6355378 6360849 6361031 6373288 6378371 6379312
 6379866 6380370 6386247 6390139 6390807 6399058

- **119143-02 – SunOS 5.10: patch lib/libinetutil.so.1**

6220609

- **119201-12 – SunOS 5.10: OS Localization message patch**

6232516 6218356 6210085 6209742 6237404 6255735 6278006 6270754 6284429 6305523 6309435
 6336898 6375499

- **119213-07 – NSS_NSPR_JSS 3.11: NSPR 4.6.1 / NSS 3.11 / JSS 4.2**

6237228 6237231 6243892 6243894 6243895 5045171 6243896 6243900 6243905 6243907 6243909
6243913 6243915 6243916 6243918 6250799 6250801 6250802 6250803 6250807 6250808 6250812
6250814 6250816 6251104 6258052 6258053 6258055 6258056 6258057 6258061 6258062 6258064
6258066 6260111 6260658 6302177 6333604 6326988 6326994 6326998 6327000 6327002 6242112
6327004 6327009 6327013 6253118 6327014 6327018 2122026 6327020 6327021 6315463 6341685
6341687 6264996 6330310 6350173 6359866 6362932 6210080

■ **119246-15 – SunOS 5.10: Manual Page updates for Solaris 10**

4918616 6260536 6361909 6388875 6399169 6400540 6402326 6403818 6410372 6410607 6410629
6413329 5074864 6227556 6241231 6297480 6357814 6367083 6368344 6377211 6390674 6399720
6401869 6405191 5000242 5048768 6248370 6251550 6264241 6265527 6273549 6309942 6309950
6309954 6309959 6309966 6335374 6360471 6369297 6378785 6378792 6378795 6378798 6387596
6389748 6392088 6392094 6394580 6395226 6395794 6396295 6397873 6398254 6398715 6401571
6202570 6213474 6230447 6248553 6278103 6282636 6324208 6336865 6337579 6338117 6339732
6341066 6341867 6342730 6342739 6343592 6344010 6348739 6350275 6358301 6380325 6385850
6386135 6387327 6389147 6389721 6389863 6391131 6394491 6394575 4901741 5010904 5046150
5057188 5079401 6198346 6206711 6222499 6224791 6228270 6237890 6268924 6291156 6296648
6305677 6314222 6326636 6329967 6333670 6338414 6338426 6338428 6338435 6340085 6340800
6340921 6341018 6341603 6341728 6342497 6342919 6345681 6345917 6345921 6346244 6346881
6347426 6348073 6348185 6348236 6349474 6349904 6350722 6350982 6353408 6353413 6353415
6353927 6354469 6355110 6355449 6357973 6358663 6359325 6359338 6359342 6360329 6362109
6366627 6366665 6369177 6370094 6370876 6372481 6372487 6374108 6374650 6375299 6375473
6375593 6376576 6379147 6382231 6382311 6382966 6383180 6384009 6384027 6384095 6237607
6238503 6264591 6291976 6328991 6335997 6337445 6339859 6341814 6341845 6343184 4754411
6211237 6226954 6231497 6232483 6237082 6259813 6290845 6294809 6294811 6294812 6296740
6297786 6301361 6306533 6308447 6309398 6319339 6324864 6328540 6328541 6329060 6330016
6330062 6330188 6330671 6331047 6331055 6331331 6331841 6332029 6332677 6337869 6338057
6339627 6204577 6221309 6241099 6242990 6248877 6255008 6258334 6258339 6286409 6288555
6309363 6313868 6317846 6318461 6320393 6321596 6322368 6322669 6322739 6322863 6323460
6323484 6324148 6324248 6324420 6324858 6325356 5032018 5044715 6213568 6219083 6227560
6227561 6239801 6240066 6266903 6270406 6284937 6291991 6293104 6298241 6300498 6300514
6301501 6302861 6303663 6304180 6305130 6305702 6305923 6306228 6306246 6306391 6306499
6309411 6310305 6312151 6316296 2123343 2123344 2125584 5107445 6176645 6192812 6218160
6219867 6229028 6231508 6236743 6239205 6247514 6248484 6249686 6249689 6249985 6259275
6275178 6280439 6281184 6289748 6289985 6291968 6292324 6293276 6293905 6293994 6295135
6295164 6295455 6295501 6295606 6295883 6295885 6295972 6298238 6299871 6301701 6302598
6175259 6186292 6213557 6219322 6244794 6247949 6256977 6259276 6267730 6268875 6274065
6275116 6275182 6275486 6276860 6277917 6278481 6279864 6279996 6178430 6199201 6215789
6227520 6242411 6242412 6245230 6247046 6248312 6249005 6249691 6259032 6259382 6260165
6261039 6261047 6262466 6263124 6266052 6266054 6266570 6267911 6270039 6270071 6271056
6274141 2123236 5087622 6190827 6196727 6209285 6218778 6222501 6225497 6235402 6241181
6247652 6251475 6252447 6253481 6256136 5090875 6207391 6212233 6217156 6217716 6222749
6227376 6242519 6242876 6243333 6244894 6245209 6245842 6246422 6247757 6250396 6250515
2122825 2122940 5008956 5038387 5043371 5046429 5069521 5095891 5096574 5104556 5108949
6182303 6193595 6194741 6195276 6195547 6198061 6200093 6201988 6202122 6205275 6208084
6209281 6210273 6211790 6211903 6212029 6212232 6212654 6212836 6213475 6213502 6213507
6213536 6214276 6214973 6215139 6215474 6215475 6216789 6216851 6217406 6218320 6218842
6218986 6219657 6219660 6219661 6219671 6220014 6220161 6220729 6220859 6221541 6221589

6221625 6221733 6221891 6222153 6222369 6222447 6222663 6222727 6223264 6223570 6224890
 6225126 6225266 6225304 6225337 6225421 6225486 6225503 6225575 6225624 6225693 6229095
 6229654 6229957 6230305 6230958 6231259 6231325 6231382 6231455 6231505 6231794 6232091
 6233524 6233764 6233884 6233891 6233909 6234453 6235323 6236959 6236965 6237101 6237254
 6237389 6237405 6237708 6237832 6237835 6238687 6240599 6240819 6241622 6243286

- **119252-11 – 113000-07: SunOS 5.10: System Administration Applications Patch**

4358280 4592896 4649122 4692667 4698357 4760117 4921333 4952774 5009917 5101364 6179110
 6198291 6211620 6221551 6252385 6252388 6265069 6298572 6311509 6238277 6332309 6346889
 6353778 6355498

- **119254-24 – 117181-01: SunOS 5.10: Install and Patch Utilities Patch**

4908553 4967419 4991875 5045607 6210622 6216195 6216798 6216809 6217206 6219176 6220578
 6221954 6224740 6224767 6225041 6226770 6226930 6231818 6233011 6233738 6236231 6236796
 6236855 6236866 6239875 6240894 6241052 6241431 6241944 6242607 6243480 6244125 6245446
 6245715 6248984 6251452 6251466 6252385 6252388 6256515 6262677 6263190 6265069 6266241
 6271791 6274438 6275530 6275557 6276148 6277096 6278325 6279485 6284610 6285073 6288746
 6290368 6290429 6290432 6292233 6292269 6292275 6293397 6296187 6297336 6303564 6304174
 6304176 6304222 6306319 6307548 6309013 6313848 6315157 6315316 6318864 6319430 6319570
 6320238 6321376 6323208 6324392 6328091 6331277 6334066 6337009 6337644 6340114 6342245
 6344531 6344916 6345121 6348813 6349319 6351408 6351428 6352966 6354346 6355320 6355604
 6360157 6362706 6363226 6364817 6369639 6371040 6371745 6373045 6386697 6387091 6387771
 6388931 6388959 6392825 6397413 6406934 6421944 6235392

- **119262-03 – 117435-02: SunOS 5.10: Patch for Central European Region locale issues**

6222362 2123566 6255292 6249315 6338196 6347707 6336555 6237903 6268888 6291914

- **119276-06 – 117448-01: SunOS 5.10: Patch for Northern Europe Region locale issues**

2123566 6255292 6276095 6249315 6338196 6347707 6318932 6375175 6237001

- **119278-09 – 117464-01: CDE 1.6: dtlogin patch**

5046689 6209544 6247943 6211096 6267572 6240729 6340843 6289158 6334517 6300285 6234179
 6328101 6332653 6342881 6327614 6334271 6362895 4383440 6263134 6405883 5007891 5096736

- **119280-04 – 117466-01: CDE 1.6: Runtime library patch for Solaris 10**

6209386 6255303 4750419 6262671 6241938 6347707 6180974

- **119282-01 – 118344-11: CDE1.6: GNOME/CDE Menu for Solaris 10**

6224922 5076562 5083131 6181364 6183842 6202015 6213277 6216286 6218246 6218463 6219101
 6220169 6221584 6222529 6223178 6223348 6224293 6225875 6229087 6229583 6230033 6232253
 6232309 6237801 6240456 6244989 6254303 6255593 6256371 6264225 6265569 6266851 6267828
 6272568 6273144 6276462 6278369 6278378 6281100 6281113 6282049 6284455 6286625 6295417
 6298484 6298972 6298974 6298981 6305465 6307994 6309430 6310438 6313638 6313668 6313670
 6314073 6320584 6321736 6322672 6322749 6323319 6323322 6323393 6323532 6323554 6326958
 6328144 6331093 6332245 6332630 6333184 6333617 6335522 6335549 6336193 6338081 6338653

6342066 6342823 6342977 6346926 6354842 6356155 6359264 6359850 6363503 6365335 6365742
 6365743 6366758 6366821 6366825 6367031 6367044 6367046 6367047 6367049 6367051 6367053
 6367057 6367061 6367063 6367067 6367068 6367069 6367070 6367073 6367075 6367222 6367985
 6368526 6368690 6369961 6370284 6370798 6370802 6371490 6372151 6373071 6376283 6377319
 6377640 6377690 6378297 6378676 6379498 6381022 6383188 6384565 6384727 6385004 6385007
 6385479 6385516 6388986 6389646 6389650 6390114 6390119 6390205 6390232 6390296 6390617
 6390709 6391117 6391121 6391774 6392166 6392223 6392467 6393356 6393362 6395385 6397762
 6397830 6398161 6413110

- **119284-01 – 118347-04: CDE 1.6: sdtwsinfo patch**

6215091 4419428 5076562 5083131 5106725 6181364 6183842 6202015 6216286 6219101 6220169
 6221584 6222529 6223178 6229087 6229583 6230033 6232253 6232309 6237669 6237801 6243604
 6255593 6264225 6265569 6266851 6267828 6272568 6281100 6281113 6282049 6284455 6286625
 6295417 6298484 6298972 6298974 6298981 6305465 6307994 6309430 6310438 6313638 6313668
 6313670 6314073 6322672 6323319 6323322 6323393 6323554 6328144 6331093 6332245 6333184
 6333617 6335522 6335549 6342823 6342977 6346926 6354842 6356155 6359264 6359850 6363503
 6365335 6365742 6365743 6366758 6366821 6366825 6367031 6367044 6367046 6367047 6367049
 6367051 6367053 6367057 6367061 6367063 6367067 6367068 6367069 6367070 6367073 6367075
 6367222 6367985 6368526 6368690 6369961 6370284 6370798 6370802 6371490 6372151 6373071
 6376283 6377319 6377640 6378297 6378676 6379498 6381022 6383188 6384565 6384727 6385004
 6385007 6385479 6385516 6388986 6389646 6389650 6390114 6390119 6390205 6390232 6390296
 6390617 6390709 6391117 6391121 6391774 6392166 6392223 6392467 6393356 6393362 6395385
 6397762 6397830 6398161

- **119286-01 – 118368-03: CDE 1.6: dtterm libDtTerm patch**

6219941 6209912 6282038 6307905 6311438 6314637 6336149

- **119309-03 – SunOS 5.10: PGX32 Graphics**

- **117447-01 – SunOS 5.10: /usr/sbin/ntpdate patch**

6237001

- **117463-02 – SunOS 5.10: passwdutil Patch**

5007891 5096736

- **117465-02 – SunOS 5.10: fwtmp Patch**

6180974

- **118346-04 – SunOS 5.10: libnsl Patch**

4419428 5076562 5083131 5106725 6181364 6183842 6202015 6216286 6219101 6220169 6221584
 6222529 6223178 6229087 6229583 6230033 6232253 6232309 6237669 6237801 6243604 6255593
 6264225 6265569 6266851 6267828 6272568 6281100 6281113 6282049 6284455 6286625 6295417
 6298484 6298972 6298974 6298981 6305465 6307994 6309430 6310438 6313638 6313668 6313670
 6314073 6322672 6323319 6323322 6323393 6323554 6328144 6331093 6332245 6333184 6333617
 6335522 6335549 6342823 6342977 6346926 6354842 6356155 6359264 6359850 6363503 6365335
 6365742 6365743 6366758 6366821 6366825 6367031 6367044 6367046 6367047 6367049 6367051

6367053 6367057 6367061 6367063 6367067 6367068 6367069 6367070 6367073 6367075 6367222
 6367985 6368526 6368690 6369961 6370284 6370798 6370802 6371490 6372151 6373071 6376283
 6377319 6377640 6378297 6378676 6379498 6381022 6383188 6384565 6384727 6385004 6385007
 6385479 6385516 6388986 6389646 6389650 6390114 6390119 6390205 6390232 6390296 6390617
 6390709 6391117 6391121 6391774 6392166 6392223 6392467 6393356 6393362 6395385 6397762
 6397830 6398161

- **118348-01 – SunOS 5.10: fcode Patch**

6177369

- **118367-03 – SunOS 5.10: csh Patch**

6209912 6282038 6307905 6311438 6314637 6336149

- **118371-07 – SunOS 5.10: elfsign Patch**

4987141 5019131 5057756 5099921 6196062 6214106 6214824 6216464 6218014 6218030 6220136
 6221396 6222046 6222935 6238177 6238962 6239551 6258804 6258976 6259973 6265403 6268124
 6282641 6283570 6301500 6317027 6326584 6331159 6333693 6340770 6347364 6348585 6367959

- **118373-01 – SunOS 5.10: mpstat Patch**

6223353

- **118557-03 – SunOS 5.10: platform/sun4u/kernel/drv/sparcv9/su patch**

6222697 6300839 6365805

- **118560-01 – SunOS 5.10: patch usr/bin/telnet**

6234932

- **118564-02 – SunOS 5.10: patch /usr/lib/libproc.so.1**

6237196

- **118566-01 – SunOS 5.10: patch usr/sbin/ping**

6222209

- **118666-05 – J2SE 5.0: update 6 patch**

4263904 4976239 4986256 5043245 5047307 5053844 5062222 5068014 5073778 5083062 5092063
 5101898 5104215 6173783 6174229 6177732 6182812 6195469 6197534 6197726 6204620 6206166
 6206441 6206933 6208022 6215625 6231602 6232820 6232954 6233622 6237688 6239400 6240876
 6241823 6248507 6251458 6253848 6254441 6256473 6257260 6258466 6260834 6262235 6262572
 6263272 6264252 6267224 6267930 6269555 6271298 6281384 6282084 6282891 6283270 6283361
 6285301 6286011 6286189 6287191 6287601 6291034 6294558 6295680 6296125 6296410 6298940
 6301771 6302769 6302904 6304225 6304650 6305546 6305653 6307455 6310737 6310858 6311255
 6313317 6315358 6317122 6317178 6317278 6322521 6322568 6325315 6325748 5060628 6201802
 6259137 6305157 6311051 6322301 6325504 6329042 6331269 6332350 6337834 6338436 6338891
 6340079 6340202 6342738 6343024 6287164 6343111 6344735 6346725 6347132 6348045 4521075

4855860 4868278 4896773 5039416 5045217 5070081 5077603 5086160 5086424 5089317 5109224
6180936 6183734 6186280 6190413 6192376 6207824 6209695 6212440 6214543 6217210 6223265
6224811 6226827 6229389 6231029 6232485 6233005 6235633 6240755 6245809 6250214 6250749
6251460 6255285 6255949 6257124 6257182 6258006 6259991 6263814 6264872 6268365 6269854
6272715 6274390 6278597 6279126 6283161 6286864 6296218 6306172 4207472 4305459 4881314
4964339 4975824 5003235 5044738 5053272 5055567 5067517 5074396 5076514 5077866 5078280
5079751 5083441 5087208 5088035 5092850 5095117 5097015 5097241 5101391 5102490 5109602
6174596 6176318 6176814 6178395 6186747 6191542 6192422 6194668 6195301 6196089 6198522
6200138 6203233 6203483 6204669 6205422 6210088 6211480 6213128 6214132 6218454 6218682
6218987 6220064 6222034 6223691 6224591 6225440 6225605 6226269 6227033 6227583 6228585
6231186 6231936 6232039 6232513 6232607 6233169 6234804 6237349 6237552 6237654 6240586
6241743 6243108 6243400 6244063 6250286 6250517 6252770 6254466 6255782 6256476 6256477
6256728 6258508 6258681 6259113 6261269 6261304 6261558 6261980 6263857 6268145 6268876
6273094 6273975 6277246 6277266 6277315 6277659 6278491 4388541 4684153 4845692 4911491
4915324 4974531 4980122 4987923 5003402 5023243 5037521 5038903 5051880 5054010 5058132
5058463 5062118 5064088 5070730 5073407 5074530 5074836 5079429 5079729 5079742 5084004
5084812 5086089 5087395 5087826 5088701 5088703 5089312 5089429 5090555 5090643 5091805
5092058 5094112 5094138 5094505 5097131 5097939 5099360 5102082 5103449 5104239 5105410
5105917 5105918 5106044 5107852 5108694 5110117 6175601 6177059 6178366 6179014 6179233
6182630 6183297 6184225 6184713 6184715 6184718 6185342 6185483 6186650 6188839 6188959
6188963 6189072 6189657 6189687 6190277 6190713 6190873 6190987 6191064 6192124 6192223
6192448 6192845 6192907 6192944 6193821 6194024 6194838 6195181 6195632 6195718 6197664
6198632 6199000 6199899 6200343 6200960 6201185 6201302 6201464 6201644 6201884 6201952
6202061 6203504 6205320 6205321 6205414 6205494 6206764 6207138 6207322 6209613 6210721
6211220 6212165 6214159 6214166 6214369 6214784 6215407 6216277 6219639 6220829 6221563
6222071 6222449 6224433 6224438 6225348 6233287 6219668 4548788 4656461 4897333 4924758
4949631 4984794 4994329 5017051 5023873 5024379 5056403 5075526 5075546 5080386 5082319
5089985 5092094 5100483 5101128 5104960 5105765 6173972 6180194 6181598 6181784 6182685
6189106 6189594 6195099 6206216 6206839 6207079 6207830 6208366 6208545 6208676 6208712
6208965 6209095 6209342 6209737 6210227 6213461 6213473 6215109 6215480 6215746 6218309
6219491 6219495 6221549 6222350 6224405 6226589 6227551 6227874 6228205 6229377 6229965
6231054 6231145 6231216 6232417 6232636 6233573 6234174 6234219 6234909 6237671 6238128
6247771 6250165 6250473 6261499 6261509 6261510

■ **118667-05 – J2SE 5.0: update 6 patch, 64bit**

4263904 4976239 4986256 5043245 5047307 5053844 5062222 5068014 5073778 5083062 5092063
5101898 5104215 6173783 6174229 6177732 6182812 6195469 6197534 6197726 6204620 6206166
6206441 6206933 6208022 6215625 6231602 6232820 6232954 6233622 6237688 6239400 6240876
6241823 6248507 6251458 6253848 6254441 6256473 6257260 6258466 6260834 6262235 6262572
6263272 6264252 6267224 6267930 6269555 6271298 6281384 6282084 6282891 6283270 6283361
6285301 6286011 6286189 6287191 6287601 6291034 6294558 6295680 6296125 6296410 6298940
6301771 6302769 6302904 6304225 6304650 6305546 6305653 6307455 6310737 6310858 6311255
6313317 6315358 6317122 6317178 6317278 6322521 6322568 6325315 6325748 5060628 6201802
6259137 6305157 6311051 6322301 6325504 6329042 6331269 6332350 6337834 6338436 6338891
6340079 6340202 6342738 6343024 6287164 6343111 6344735 6346725 6347132 6348045 4521075
4855860 4868278 4896773 5039416 5045217 5070081 5077603 5086160 5086424 5089317 5109224
6180936 6183734 6186280 6190413 6192376 6207824 6209695 6212440 6214543 6217210 6223265
6224811 6226827 6229389 6231029 6232485 6233005 6235633 6240755 6245809 6250214 6250749

6251460 6255285 6255949 6257124 6257182 6258006 6259991 6263814 6264872 6268365 6269854
6272715 6274390 6278597 6279126 6283161 6286864 6296218 6306172 4207472 4305459 4881314
4964339 4975824 5003235 5044738 5053272 5055567 5067517 5074396 5076514 5077866 5078280
5079751 5083441 5087208 5088035 5092850 5095117 5097015 5097241 5101391 5102490 5109602
6174596 6176318 6176814 6178395 6186747 6191542 6192422 6194668 6195301 6196089 6198522
6200138 6203233 6203483 6204669 6205422 6210088 6211480 6213128 6214132 6218454 6218682
6218987 6220064 6222034 6223691 6224591 6225440 6225605 6226269 6227033 6227583 6228585
6231186 6231936 6232039 6232513 6232607 6233169 6234804 6237349 6237552 6237654 6240586
6241743 6243108 6243400 6244063 6250286 6250517 6252770 6254466 6255782 6256476 6256477
6256728 6258508 6258681 6259113 6261269 6261304 6261558 6261980 6263857 6268145 6268876
6273094 6273975 6277246 6277266 6277315 6277659 6278491 4548788 4656461 4897333 4924758
4949631 4984794 4994329 5017051 5023873 5024379 5056403 5075526 5075546 5080386 5082319
5089985 5092094 5100483 5101128 5104960 5105765 6173972 6180194 6181598 6181784 6182685
6189106 6189594 6195099 6206216 6206839 6207079 6207830 6208366 6208545 6208676 6208712
6208965 6209095 6209342 6209737 6210227 6213461 6213473 6215109 6215480 6215746 6218309
6219491 6219495 6221549 6222350 6224405 6226589 6227551 6227874 6228205 6229377 6229965
6231054 6231145 6231216 6232417 6232636 6233573 6234174 6234219 6234909 6237671 6238128
6247771 6250165 6250473 6261499 6261509 6261510 4388541 4684153 4845692 4911491 4915324
4974531 4980122 4987923 5003402 5023243 5037521 5038903 5051880 5054010 5058132 5058463
5062118 5064088 5070730 5073407 5074530 5074836 5079429 5079729 5079742 5084004 5084812
5086089 5087395 5087826 5088701 5088703 5089312 5089429 5090555 5090643 5091805 5092058
5094112 5094138 5094505 5097131 5097939 5099360 5102082 5103449 5104239 5105410 5105917
5105918 5106044 5107852 5108694 5110117 6175601 6177059 6178366 6179014 6179233 6182630
6183297 6184225 6184713 6184715 6184718 6185342 6185483 6186650 6188839 6188959 6188963
6189072 6189657 6189687 6190277 6190713 6190873 6190987 6191064 6192124 6192223 6192448
6192845 6192907 6192944 6193821 6194024 6194838 6195181 6195632 6195718 6197664 6198632
6199000 6199899 6200343 6200960 6201185 6201302 6201464 6201644 6201884 6201952 6202061
6203504 6205320 6205321 6205414 6205494 6206764 6207138 6207322 6209613 6210721 6211220
6212165 6214159 6214166 6214369 6214784 6215407 6216277 6219639 6220829 6221563 6222071
6222449 6224433 6224438 6225348 6233287 6219668

- **118676-02 – SunOS 5.10: patch for Solaris make and sccs utilities**

6208430 5037057

- **118683-01 – SunOS 5.10: Patch for assembler**

5069118 5071178 5079903 5093350 5090509 6192963 6236017 6253736

- **118706-01 – SunOS 5.10: Creator and Creator3D: FFB Graphics Patch**

6240103

- **118707-04 – SunOS 5.10: Expert3D IFB Graphics Patch**

6239859 6278448 6297322 6266390 6319759

- **118708-12 – SunOS 5.10: Sun XVR-1200 and Sun XVR-600 Graphics Accelerator Patch**

6202655 6205888 6210235 6244529 6248620 6250233 6260241 6266390 6278448 6279278 6293254
6297322 6311081 6319362 6368913 6364976

- **118711-02 – SunOS 5.10: M64 Graphics Patch**

4950414 6269998

- **118712-09 – SunOS 5.10: Sun XVR-100 Graphics Accelerator Patch**

5098578 6182271 6214907 6260233 6282798 6282999 6302266 6307293 6345888 6350133 6373835
6377359 6385527

- **118731-01 – SunOS 5.10: /usr/sbin/zonecfg patch**

6229724

- **118733-03 – SunOS 5.10: snmpdx patch**

6227115 6228341 6275006 6277029

- **118735-01 – SunOS 5.10: patch usr/sbin/rpc.nisd_resolv**

6220055

- **118777-04 – SunOS 5.10: Sun GigaSwift Ethernet 1.0 driver patch**

6266985 6255365 6277650 6273441 6223263 6238254 6261657 6251174 6279238 6266901 6218302
6280692 6304571 6216131 6255394 6214285 6310502 4722784 6356079 4770635 6358618 6358633
4763926

- **118812-03 – SunOS 5.10: Netra ntwdt driver patch**

4165223 4939546 6226428 6228652 6228655 6230025 6359179 6360218

- **118814-01 – SunOS 5.10: patch platform/sun4u/kernel/tod/sparcv9/todsg**

6226428 6228652 6228655 6230025

- **118815-03 – SunOS 5.10: patch usr/xpg4/bin/awk**

5004023 5040318 5074811 5090114 6195584 6320514 6368966

- **118822-30 – SunOS 5.10: kernel Patch**

4117562 4165223 4256818 4387797 4471706 4486878 4636944 4638717 4712059 4745648 4763363
4782952 4818196 4818484 4849565 4853554 4872386 4892666 4913952 4923208 4927518 4931229
4939546 4954646 4954703 4972826 4995852 5005976 5007714 5007726 5013200 5017095 5029967
5031470 5039369 5041567 5062645 5067964 5070446 5073604 5076027 5076357 5076548 5076976
5081575 5084452 5085886 5087929 5090037 5090773 5091442 5095432 5099850 5102062 5106644
5106803 5108067 5108961 5109126 5110153 6175438 6178746 6179167 6180137 6182677 6183621
6184323 6186851 6187076 6189856 6190561 6194576 6196169 6198405 6198521 6198766 6198890
6198953 6199444 6200160 6200295 6200924 6200969 6201257 6202564 6203955 6204983 6204987
6205337 6206217 6206732 6207772 6207963 6208532 6208798 6209399 6209411 6209588 6209619
6210697 6210881 6210936 6211827 6211936 6212248 6212406 6212756 6213074 6213184 6213277
6213962 6214180 6214472 6214604 6214615 6215546 6216056 6216134 6216447 6217370 6217624
6217821 6218194 6218854 6219127 6219132 6219142 6219195 6219317 6219672 6220234 6220478

6220843 6221058 6221094 6221490 6221495 6221496 6221498 6222174 6222228 6222466 6222535
 6223059 6223379 6223603 6223915 6224061 6224745 6224788 6224822 6224934 6225650 6226023
 6226263 6226302 6226320 6226332 6226345 6226441 6226484 6226862 6226920 6226968 6227041
 6227733 6227872 6227893 6228044 6228498 6228709 6229159 6229172 6229575 6230117 6230146
 6230156 6230249 6230315 6230528 6230552 6230925 6230951 6230979 6230995 6231030 6231203
 6231205 6231207 6231502 6231804 6231964 6232332 6232748 6232852 6232864 6233073 6233184
 6233388 6233613 6233615 6233624 6233919 6234004 6234033 6234037 6234063 6234072 6234449
 6234710 6235003 6235044 6235086 6235348 6235959 6236000 6236038 6236072 6236182 6236382
 6236617 6236726 6236942 6237066 6237078 6237197 6237355 6237357 6237411 6237666 6237779
 6237793 6237799 6237823 6237913 6238277 6238322 6238533 6238601 6238679 6238686 6239011
 6239254 6239626 6239708 6239801 6240160 6240205 6240367 6240456 6240490 6240925 6241299
 6241305 6241739 6241837 6242365 6242764 6242831 6243241 6243341 6243444 6243456 6243651
 6243897 6244310 6244315 6244317 6244320 6244431 6244519 6245378 6245760 6245953 6246138
 6246787 6246875 6247399 6247821 6248393 6248527 6248555 6248591 6248910 6249127 6249703
 6249712 6250374 6250382 6250386 6250493 6250931 6251092 6251611 6251625 6251659 6251754
 6251862 6252083 6252176 6252398 6252403 6252407 6252411 6252856 6253027 6253028 6253030
 6253031 6253033 6253548 6253575 6253744 6253747 6253788 6253955 6254258 6254303 6254433
 6254741 6254783 6254835 6254960 6255351 6255668 6255689 6255906 6256111 6256152 6256158
 6256245 6256312 6256357 6257150 6258024 6258433 6258528 6258738 6259168 6259227 6259385
 6259467 6259768 6260039 6260517 6260524 6261173 6261284 6262302 6262887 6263122 6263250
 6263338 6263907 6263927 6264443 6264469 6264473 6264487 6265027 6265068 6265086 6265087
 6265088 6265090 6265094 6265177 6265183 6265240 6265652 6266922 6267670 6267671 6267680
 6267682 6267693 6267695 6267718 6267731 6267759 6267778 6267902 6268152 6268387 6269064
 6269246 6269285 6269465 6269633 6270528 6271650 6271688 6271759 6272550 6272573 6272652
 6272865 6272867 6273098 6273261 6273474 6274126 6274840 6274965 6274969 6275414 6276048
 6276242 6277017 6277084 6277108 6277224 6277304 6278369 6278450 6279331 6279506 6279569
 6279871 6279932 6280390 6281150 6281281 6281300 6282037 6282121 6282291 6282386 6282867
 6282875 6282885 6283314 6283565 6283577 6284597 6285253 6285447 6286341 6287398 6287550
 6287766 6287776 6287776 6287954 6288246 6288365 6288882 6289017 6289141 6290459 6290673
 6291662 6291720 6291876 6291901 6292054 6292950 6294464 6294490 6294727 6294867 6294902
 6296526 6296594 6297432 6298780 6298786 6298895 6298989 6299091 6300289 6300406 6300734
 6300960 6301419 6302130 6302322 6302652 6302751 6302807 6303053 6303188 6303210 6303260
 6303405 6303424 6303530 6303569 6304200 6304378 6304654 6304736 6304858 6305393 6305938
 6306072 6307395 6308352 6308356 6308380 6309270 6310724 6311048 6311869 6312753 6312960
 6313025 6313259 6313403 6313410 6313488 6313788 6313837 6313842 6314321 6314417 6315667
 6316557 6316758 6317091 6317693 6317947 6319100 6319881 6320968 6321197 6321578 6321768
 6322165 6322179 6322231 6322663 6324156 6324573 6324745 6324927 6327017 6327762 6328296
 6328310 6328906 6329593 6330256 6330610 6330765 6331250 6332594 6332961 6333456 6333712
 6333857 6334302 6334433 6335629 6336748 6336768 6337355 6338258 6340768 6342112 6342422
 6343544 6344065 6344138 6344639 6345818 6347726 6348423 6349977 6350363 6351843 6359001
 6359117 6359179 6360218 6364043 6376993

- **118824-01 – SunOS 5.10: patch usr/bin/sparcv9/sort**

6178339

- **118830-01 – SunOS 5.10: hme patch**

5005976 5076750 6235003 6240490

■ 118833-17 – SunOS 5.10: kernel patch

4063945 4108775 4165223 4471706 4511681 4621371 4638717 4644326 4670406 4691277 4796051
4799697 4818196 4841261 4845958 4855218 4880976 4885996 4886293 4898397 4905227 4908967
4915681 4928000 4931229 4932869 4934259 4938301 4951608 4954703 4968226 5004247 5004701
5010267 5019542 5023079 5023670 5034470 5042195 5042855 5042924 5047630 5052723 5058075
5062145 5062435 5067964 5076562 5080443 5083131 5083133 5084073 5084421 5085739 5087103
5088665 5090022 5090037 5096886 5096891 5099806 5099855 5102894 5105010 5105717 6174574
6178604 6180557 6181364 6183842 6192523 6194015 6194723 6196844 6196850 6196861 6197460
6198351 6198523 6198614 6199406 6200071 6200896 6201076 6201142 6201425 6201431 6202015
6202573 6203470 6203517 6203547 6203680 6204546 6205014 6207840 6207842 6208532 6209350
6209502 6210668 6210936 6212406 6212797 6213418 6213463 6213486 6213551 6214108 6214604
6214620 6214687 6214698 6214721 6214834 6214946 6215000 6215065 6215444 6216134 6216286
6216419 6216470 6217001 6217870 6218082 6218854 6219101 6219132 6219142 6219178 6219317
6219538 6219651 6219672 6219812 6219928 6220069 6220169 6220217 6220441 6220619 6221306
6221584 6221845 6222525 6222529 6223178 6223331 6223375 6223563 6223569 6223572 6223580
6223583 6223809 6224221 6224730 6225780 6225876 6225908 6226206 6226357 6226445 6226484
6226756 6226862 6227029 6227074 6227237 6228017 6228203 6228472 6228610 6228709 6229034
6229087 6229583 6229676 6229754 6230033 6230117 6230133 6230146 6230252 6230552 6231030
6231288 6231461 6231877 6232253 6232301 6232309 6232414 6232422 6232586 6233064 6233613
6233624 6234108 6234227 6234486 6234506 6234594 6234710 6234904 6235000 6235044 6235370
6236513 6236594 6236942 6237078 6237149 6237197 6237355 6237357 6237411 6237585 6237801
6237899 6238276 6238679 6238686 6238996 6239625 6239671 6239895 6239984 6240160 6240342
6240363 6240663 6241995 6243444 6244328 6244897 6245233 6245378 6245953 6246111 6246138
6247143 6247310 6248250 6249127 6249580 6250211 6250256 6250345 6251093 6251722 6251754
6251798 6252155 6252197 6252555 6253561 6253744 6254364 6254876 6255593 6255670 6255855
6255872 6256094 6256157 6256272 6256312 6256317 6256372 6256554 6256813 6256824 6257150
6257177 6257280 6257772 6257917 6258024 6258834 6259731 6260355 6260361 6260568 6260679
6260780 6261642 6261803 6261805 6261853 6261859 6261946 6261990 6262249 6262297 6262304
6262347 6262353 6262573 6262789 6263065 6263070 6263078 6263194 6264169 6264225 6264415
6264845 6264903 6265425 6265542 6265569 6265652 6266261 6266388 6266836 6266851 6266969
6267352 6267828 6268693 6268697 6269525 6270398 6270710 6270748 6271314 6271323 6271626
6271814 6271950 6272461 6272563 6272568 6272599 6272602 6273373 6273374 6273456 6273855
6273864 6273875 6274712 6274882 6274894 6274899 6275398 6275431 6276036 6276060 6276905
6277961 6279001 6279317 6279871 6280143 6280180 6280467 6280668 6281038 6281100 6281113
6281147 6281836 6281885 6282049 6282340 6282389 6282776 6283601 6284239 6284455 6284906
6284941 6284968 6286625 6286916 6287422 6288090 6288420 6288430 6288435 6288440 6288448
6289440 6290157 6290542 6290788 6290877 6290936 6291309 6291547 6291896 6292076 6292943
6293434 6295417 6295971 6296379 6297503 6297523 6297798 6298484 6298972 6298974 6298981
6299049 6299476 6299525 6299894 6300267 6301218 6301274 6301815 6301944 6302553 6303398
6303761 6303973 6304890 6304902 6304904 6305207 6305465 6305935 6306150 6306529 6306717
6306768 6306925 6307994 6308117 6308155 6309061 6309430 6309515 6309525 6310438 6310736
6311460 6311865 6312354 6312508 6313638 6313668 6313670 6313684 6314073 6314115 6314455
6314504 6314743 6315921 6316452 6316463 6316748 6317239 6317940 6318306 6318401 6321149
6321383 6322005 6322205 6322672 6322770 6322966 6323319 6323322 6323393 6323554 6323732
6324019 6324589 6325893 6326077 6326078 6326187 6326505 6326531 6326533 6326547 6326583
6326981 6327336 6327693 6327929 6328144 6328230 6328286 6328296 6328317 6329568 6329696
6329796 6330278 6330830 6331093 6331880 6331883 6332057 6332245 6332260 6332352 6332630

6332874 6332942 6332948 6332983 6333184 6333195 6333461 6333506 6333617 6333763 6333880
 6334510 6334799 6334882 6334921 6335370 6335522 6335549 6335611 6336163 6336322 6336467
 6337073 6337131 6337136 6337437 6337564 6337636 6338046 6338081 6338131 6338316 6338386
 6338584 6338653 6338660 6339319 6339377 6339404 6339731 6339777 6339808 6339812 6339847
 6339942 6340699 6340735 6340766 6340778 6340900 6340983 6341003 6341045 6341429 6342066
 6342630 6342823 6342966 6342977 6343017 6343199 6343332 6343344 6343566 6344186 6344261
 6345641 6345690 6346183 6346204 6346270 6346500 6346769 6346926 6347166 6347201 6347453
 6348147 6348244 6348407 6348751 6349232 6349440 6349487 6350098 6350389 6350407 6350416
 6350499 6350501 6350643 6350831 6351165 6351378 6351973 6352347 6352865 6353529 6354106
 6354381 6354461 6354842 6354997 6355609 6355634 6355638 6356155 6356477 6357424 6357796
 6357980 6358025 6358194 6358498 6359179 6359264 6359850 6360218 6360506 6360864 6361071
 6361204 6361360 6361577 6362390 6362558 6362641 6363503 6363506 6363618 6364052 6364175
 6364242 6365335 6365742 6365743 6366442 6366758 6366821 6366825 6367031 6367044 6367046
 6367047 6367049 6367051 6367053 6367057 6367061 6367063 6367067 6367068 6367069 6367070
 6367073 6367075 6367222 6367349 6367490 6367660 6367985 6368142 6368526 6368593 6368690
 6369794 6369961 6370222 6370284 6370368 6370798 6370802 6371413 6371490 6372009 6372151
 6372239 6373071 6373609 6374407 6376283 6376429 6376682 6376967 6376992 6377034 6377319
 6377502 6377507 6377640 6377680 6378297 6378676 6379281 6379498 6379909 6380739 6380908
 6380970 6381022 6381344 6383013 6383188 6383623 6383670 6384565 6384727 6385004 6385007
 6385230 6385420 6385479 6385516 6387501 6388096 6388273 6388986 6389326 6389646 6389650
 6390114 6390119 6390205 6390232 6390296 6390617 6390709 6391117 6391121 6391774 6392166
 6392223 6392467 6393356 6393362 6393434 6393671 6394140 6395385 6395670 6395791 6396507
 6397251 6397267 6397308 6397762 6397830 6397933 6398012 6398161 6398887 6399231 6399242
 6399298 6399301 6399483 6399918 6399930 6400742 6400792 6401243 6402388 6402576 6402785
 6403294 6405008 6405662 6406561 6406676 6407365 6407366 6407367 6407377 6407635 6407791
 6409927 6410371 6410698 6410700 6410709 6410781 6416196 6418368 6418634 6420136 6421970
 6424093 6424180 6426194 6427081 6428839 6429440 6429822

- **118842-01 – SunOS 5.10: dada patch**

5005976 6235003 6240490

- **118870-01 – SunOS 5.10: nss_ldap patch**

6230927

- **118872-02 – SunOS 5.10: ksh patch**

6208198 6261715

- **118879-01 – SunOS 5.10: dhcp daemon patch**

4932150

- **118884-01 – SunOS 5.10: atomic.h patch**

4954703

- **118890-02 – SunOS 5.10: llib-lc patch**

4954703 5004247

- **118918-17 – SunOS 5.10: Solaris Crypto Framework patch**

4691624 4721729 4920408 4925453 4926742 4931202 5039273 5059459 5059461 5062050 5067502
5072858 5100567 6181926 6195428 6195934 6197268 6197284 6198116 6199119 6200215 6204887
6211857 6215509 6215816 6216772 6217866 6220814 6222467 6223863 6223866 6223869 6228384
6231739 6231978 6249979 6250168 6250963 6252894 6253484 6262344 6264344 6264379 6274680
6276483 6276609 6278459 6278572 6278578 6280574 6286372 6287425 6287428 6288840 6296920
6314217 6332420 6336131 6336517 6345493 6352877 6355571 6355597 6357426 6358078 6359179
6360218 6364043 6368332 6372133 6372169 6372587 6373525 6376993 6405871 6408419

- **118925-03 – SunOS 5.10: unistd header file patch**

4063945 5090022 5096886 6214687 6214698 6215000 6239984 6245233 6262573 6277961 6292076
6322205 6338653 6348407 6368142 6388096

- **118929-05 – SunOS 5.10: config files patch**

6233613 6237411 6302802 6302827 6359179 6360218 6400068

- **118945-01 – SunOS 5.10: Sun Gigabit Ethernet 3.0 driver patch**

6238162 5019183 6240487

- **118959-02 – SunOS 5.10: patch usr/bin/lastcomm and usr/bin/acctcom**

5040580 6200474 6227221

- **118965-01 – X11 6.8.0: Xorg**

6366603

- **118981-03 – SunOS 5.10: Sun Quad FastEthernet qfe driver**

6238254 6267267 6268767 6293226 6347707 6297366

- **119042-09 – SunOS 5.10: patch usr/sbin/svccfg**

6197520 6217410 6221374 6222202 6231947 6251841 6287888 6296112 6299709 6351779 6355665
6367481 6397719

- **119059-13 – X11 6.6.2: Xsun patch**

6219932 6219947 5016163 6224159 6276115 6212502 6228875 6219170 6248445 6265634 4751462
6226733 6248453 6247062 6248417 6216985 6269938 6226717 6265045 6280222 6297797 6278131
6279680 6270914 6316436 6227843 6326551 6265414 6347707 6359918 6378204 6361567 6376462
6383556 6255133

- **119063-01 – SunOS 5.10: libXpm patch**

6231515 6241936

- **119065-01 – SunOS 5.10: fc-cache patch**

6205323

- **119070-04 – SunOS 5.10: Netra-CP2300 Patch**

6197206 6213630 6233445

- **119073-03 – SunOS 5.10: ldapclient patch**

6217454 6228760

- **119077-10 – SunOS 5.10: SPECIAL PATCH: For EDITABLE Files**

4691624 6194576 6199119 6215509 6226428 6228652 6228655 6230025 6231964 6233613 6238277
6241837 6249025 6302802 6299091 6280390 6282121 6254960 6264487 6313488

- **119079-13 – SunOS 5.10: Script Patch**

6210697 6223059 6226968 6233613 6238277 6242365 6243456 6256312 6273106 6302827 6324123
6326533 6231947 6251841 6222202 6217410 6344138

- **119081-20 – SunOS 5.10: CD-ROM Install Boot Image Patch**

4393815 4649122 4692667 4713660 4716085 4719125 4789211 4947796 5009917 5047412 5064512
6178185 6198783 6215847 6215918 6218158 6221702 6222925 6252385 6252388 6254694 6288726
6290082 6297948 6297950 6301206 6313099 6314149 6319439 6320965 6323208 6323511 6325862
6329642 6331510 6332093 6332722 6336267 6340354 6341482 6342039 6343072 6344771 6347051
6349235 6350819 6351213 6354062 6355905 6364583 6367162 6369598 6372101 6374024 6376794
6390503 6422730 6425215 6425221 6426207

- **119088-06 – SunOS 5.10: SPECIAL PATCH: qlc Script Patch to replace package scripts**

6210934 6236343 6292280 6292987 6303297 6320936

- **119090-19 – SunOS 5.10: Sun iSCSI Device Driver and Utilities**

5094124 5094370 6173739 6173912 6186291 6204742 6206029 6206568 6207172 6207973 6208490
6211472 6211499 6211560 6211924 6212031 6212320 6213484 6213487 6213490 6213516 6214405
6214546 6215262 6216983 6218751 6219608 6220407 6220773 6221284 6221432 6221880 6222630
6224359 6224866 6226740 6226933 6228489 6230319 6231086 6231706 6233206 6233384 6235292
6236260 6236271 6236375 6239078 6239185 6239207 6240818 6240849 6240911 6241611 6242847
6244250 6244358 6245161 6247445 6249424 6249509 6250036 6251575 6254172 6254222 6255629
6257030 6258672 6259522 6259737 6261483 6261560 6261627 6261669 6262279 6262413 6263279
6263322 6263646 6267539 6267543 6268840 6268934 6271727 6274744 6275410 6276026 6278190
6280621 6282455 6282646 6282686 6284875 6285462 6287318 6288103 6290500 6292453 6293219
6296381 6296407 6296971 6297371 6297390 6298546 6299456 6300099 6300259 6303184 6304963
6306146 6311820 6314187 6314196 6338487 6340791 6341375 6343904 6344551 6348170 6354973
6357322 6358044 6361861 6368415 6370257 6371828 6374756 6375178 6375740 6376509 6377558
6378143 6378566 6379890 6380321 6380424 6381723 6382994 6383806 6388390 6390196 6390387
6391839 6412468

- **119092-07 – SunOS 5.10: SPECIAL PATCH: iSCSI Script Patch to replace package scripts**

5094124 6207973 6213487 6239078 6251575 6380424 6418007

■ 119115-17 – Mozilla 1.7 patch

6177442 6221725 6211632 6192644 6200999 6200994 5077554 6200990 6202289 6224482 6225441
6228782 6216830 6224900 6234566 6245856 6247811 6247837 6247838 6247849 6248466 6248468
6248516 6248547 6248557 6248594 6248613 6249777 6249778 6255667 6248548 6249776 6259266
6259860 6259866 6259873 6259902 6260571 6260573 6269887 6261013 6281357 6271958 5015369
6251128 6267169 6281360 6282170 6282190 6284465 6287117 6258444 6297209 6297215 6297218
6297219 6297231 6191277 6200696 6200705 6282893 6297174 6297242 6317624 6318009 6334587
6334619 6339970 6249857 6254398 6352958 6360106 6369969

■ 119117-17 – Evolution 1.4.6 patch

6204976 6201742 6218068 6182553 6206223 6216041 6231010 6222258 6251188 6262120 6272983
6259214 6249871 6253417 6279337 6297294 6299994 6303111 6182358 6198500 6206245 6221676
6300019 5099374 5106735 6306915 6226019 6312129 6321792 6323770 6335859 6306791 6305171
6210993 6221680 6211080 6301782 6330472 6330479 4992018 6335855 6346038 6349674 5054558
6350965 6342113 6336425 6367678 6369109 6381422 6380083 6300007 6354689 6375476 6376155
6389050 6369082

■ 119130-20 – SunOS 5.10: Sun Fibre Channel Device Drivers

4368092 4792071 4961555 4976582 4998402 5077933 5091773 6198588 6205269 6207101 6207184
6207845 6210934 6214931 6215726 6216326 6216743 6221242 6225769 6227340 6227562 6233352
6233800 6235327 6235886 6238787 6250038 6254848 6258722 6260549 6261607 6270092 6276354
6279071 6279108 6283597 6286318 6288500 6288908 6290618 6292280 6292446 6292987 6295169
6296383 6298259 6298288 6306254 6311175 6311314 6313089 6316063 6317420 6319731 6320936
6323973 6325525 6326293 6328146 6328827 6329995 6331949 6337290 6341027 6342934 6343904
6344143 6345310 6346519 6349983 6350809 6355378 6360849 6361031 6373288 6378371 6379312
6379866 6380370 6386247 6390139 6390807 6399058

■ 119143-02 – SunOS 5.10: patch lib/libinetutil.so.1

6220609

■ 119201-12 – SunOS 5.10: OS Localization message patch

6232516 6218356 6210085 6209742 6237404 6255735 6278006 6270754 6284429 6305523 6309435
6336898 6375499

■ 119213-07 – NSS_NSPR_JSS 3.11: NSPR 4.6.1 / NSS 3.11 / JSS 4.2

6237228 6237231 6243892 6243894 6243895 5045171 6243896 6243900 6243905 6243907 6243909
6243913 6243915 6243916 6243918 6250799 6250801 6250802 6250803 6250807 6250808 6250812
6250814 6250816 6251104 6258052 6258053 6258055 6258056 6258057 6258061 6258062 6258064
6258066 6260111 6260658 6302177 6333604 6326988 6326994 6326998 6327000 6327002 6242112
6327004 6327009 6327013 6253118 6327014 6327018 2122026 6327020 6327021 6315463 6341685
6341687 6264996 6330310 6350173 6359866 6362932 6210080

■ 119246-15 – SunOS 5.10: Manual Page updates for Solaris 10

4918616 6260536 6361909 6388875 6399169 6400540 6402326 6403818 6410372 6410607 6410629
6413329 5074864 6227556 6241231 6297480 6357814 6367083 6368344 6377211 6390674 6399720

6401869 6405191 5000242 5048768 6248370 6251550 6264241 6265527 6273549 6309942 6309950
 6309954 6309959 6309966 6335374 6360471 6369297 6378785 6378792 6378795 6378798 6387596
 6389748 6392088 6392094 6394580 6395226 6395794 6396295 6397873 6398254 6398715 6401571
 6202570 6213474 6230447 6248553 6278103 6282636 6324208 6336865 6337579 6338117 6339732
 6341066 6341867 6342730 6342739 6343592 6344010 6348739 6350275 6358301 6380325 6385850
 6386135 6387327 6389147 6389721 6389863 6391131 6394491 6394575 4901741 5010904 5046150
 5057188 5079401 6198346 6206711 6222499 6224791 6228270 6237890 6268924 6291156 6296648
 6305677 6314222 6326636 6329967 6333670 6338414 6338426 6338428 6338435 6340085 6340800
 6340921 6341018 6341603 6341728 6342497 6342919 6345681 6345917 6345921 6346244 6346881
 6347426 6348073 6348185 6348236 6349474 6349904 6350722 6350982 6353408 6353413 6353415
 6353927 6354469 6355110 6355449 6357973 6358663 6359325 6359338 6359342 6360329 6362109
 6366627 6366665 6369177 6370094 6370876 6372481 6372487 6374108 6374650 6375299 6375473
 6375593 6376576 6379147 6382231 6382311 6382966 6383180 6384009 6384027 6384095 6237607
 6238503 6264591 6291976 6328991 6335997 6337445 6339859 6341814 6341845 6343184 4754411
 6211237 6226954 6231497 6232483 6237082 6259813 6290845 6294809 6294811 6294812 6296740
 6297786 6301361 6306533 6308447 6309398 6319339 6324864 6328540 6328541 6329060 6330016
 6330062 6330188 6330671 6331047 6331055 6331331 6331841 6332029 6332677 6337869 6338057
 6339627 6204577 6221309 6241099 6242990 6248877 6255008 6258334 6258339 6286409 6288555
 6309363 6313868 6317846 6318461 6320393 6321596 6322368 6322669 6322739 6322863 6323460
 6323484 6324148 6324248 6324420 6324858 6325356 5032018 5044715 6213568 6219083 6227560
 6227561 6239801 6240066 6266903 6270406 6284937 6291991 6293104 6298241 6300498 6300514
 6301501 6302861 6303663 6304180 6305130 6305702 6305923 6306228 6306246 6306391 6306499
 6309411 6310305 6312151 6316296 2123343 2123344 2125584 5107445 6176645 6192812 6218160
 6219867 6229028 6231508 6236743 6239205 6247514 6248484 6249686 6249689 6249985 6259275
 6275178 6280439 6281184 6289748 6289985 6291968 6292324 6293276 6293905 6293994 6295135
 6295164 6295455 6295501 6295606 6295883 6295885 6295972 6298238 6299871 6301701 6302598
 6175259 6186292 6213557 6219322 6244794 6247949 6256977 6259276 6267730 6268875 6274065
 6275116 6275182 6275486 6276860 6277917 6278481 6279864 6279996 6178430 6199201 6215789
 6227520 6242411 6242412 6245230 6247046 6248312 6249005 6249691 6259032 6259382 6260165
 6261039 6261047 6262466 6263124 6266052 6266054 6266570 6267911 6270039 6270071 6271056
 6274141 2123236 5087622 6190827 6196727 6209285 6218778 6222501 6225497 6235402 6241181
 6247652 6251475 6252447 6253481 6256136 5090875 6207391 6212233 6217156 6217716 6222749
 6227376 6242519 6242876 6243333 6244894 6245209 6245842 6246422 6247757 6250396 6250515
 2122825 2122940 5008956 5038387 5043371 5046429 5069521 5095891 5096574 5104556 5108949
 6182303 6193595 6194741 6195276 6195547 6198061 6200093 6201988 6202122 6205275 6208084
 6209281 6210273 6211790 6211903 6212029 6212232 6212654 6212836 6213475 6213502 6213507
 6213536 6214276 6214973 6215139 6215474 6215475 6216789 6216851 6217406 6218320 6218842
 6218986 6219657 6219660 6219661 6219671 6220014 6220161 6220729 6220859 6221541 6221589
 6221625 6221733 6221891 6222153 6222369 6222447 6222663 6222727 6223264 6223570 6224890
 6225126 6225266 6225304 6225337 6225421 6225486 6225503 6225575 6225624 6225693 6229095
 6229654 6229957 6230305 6230958 6231259 6231325 6231382 6231455 6231505 6231794 6232091
 6233524 6233764 6233884 6233891 6233909 6234453 6235323 6236959 6236965 6237101 6237254
 6237389 6237405 6237708 6237832 6237835 6238687 6240599 6240819 6241622 6243286

■ **119252-11 – SunOS 5.10: System Administration Applications Patch**

4358280 4592896 4649122 4692667 4698357 4760117 4921333 4952774 5009917 5101364 6179110
 6198291 6211620 6221551 6252385 6252388 6265069 6298572 6311509

■ **119254-24 – SunOS 5.10: Install and Patch Utilities Patch**

4908553 4967419 4991875 5045607 6210622 6216195 6216798 6216809 6217206 6219176 6220578
6221954 6224740 6224767 6225041 6226770 6226930 6231818 6233011 6233738 6236231 6236796
6236855 6236866 6239875 6240894 6241052 6241431 6241944 6242607 6243480 6244125 6245446
6245715 6248984 6251452 6251466 6252385 6252388 6256515 6262677 6263190 6265069 6266241
6271791 6274438 6275530 6275557 6276148 6277096 6278325 6279485 6284610 6285073 6288746
6290368 6290429 6290432 6292233 6292269 6292275 6293397 6296187 6297336 6303564 6304174
6304176 6304222 6306319 6307548 6309013 6313848 6315157 6315316 6318864 6319430 6319570
6320238 6321376 6323208 6324392 6328091 6331277 6334066 6337009 6337644 6340114 6342245
6344531 6344916 6345121 6348813 6349319 6351408 6351428 6352966 6354346 6355320 6355604
6360157 6362706 6363226 6364817 6369639 6371040 6371745 6373045 6386697 6387091 6387771
6388931 6388959 6392825 6397413 6406934 6421944

- **119262-03 – SunOS 5.10: Patch for Central European Region locale issues**

6222362 2123566 6255292 6249315 6338196 6347707 6336555

- **119276-06 – SunOS 5.10: Patch for Northern Europe Region locale issues**

2123566 6255292 6276095 6249315 6338196 6347707 6318932 6375175

- **119278-09 – CDE 1.6: dtlogin patch**

5046689 6209544 6247943 6211096 6267572 6240729 6340843 6289158 6334517 6300285 6234179
6328101 6332653 6342881 6327614 6334271 6362895 4383440 6263134 6405883

- **119280-04 – CDE 1.6: Runtime library patch for Solaris 10**

6209386 6255303 4750419 6262671 6241938 6347707

- **119282-01 – CDE1.6: GNOME/CDE Menu for Solaris 10**

6224922

- **119284-01 – CDE 1.6: sdtwsinfo patch**

6215091

- **119286-01 – CDE 1.6: dtterm libDtTerm patch**

6219941

- **119309-03 – SunOS 5.10: PGX32 Graphics**

6231238 6222319 6218355 6256782

- **119313-06 – SunOS 5.10: WBEM Patch**

4872697 5006767 6183058 6212927 6235892 6252385 6252388 6255908 6265069 6389712

- **119315-05 – SunOS 5.10: Solaris Management Applications Patch**

4418366 4770830 5080683 5092418 6192017 6196606 6327965

- **119317-01 – SunOS 5.10: SVr4 Packaging Commands (usr) Patch**

6202830

- **119368-04 – GNOME 2.6.0: Printing Technology Patch**

5083233 6200941 6263422 6231341 6305090 6347224

- **119372-02 – GNOME 2.6.0: GNOME common development tools and libraries Patch**

6230101 6200654

- **119397-03 – SunOS 5.10: Patch for North America Region locale issues**

2123566 6255292 6249315 6338196 6347707

- **119399-03 – SunOS 5.10: Patch for Central American Region locale issues**

2123562 6255292 6249315 6338196

- **119401-06 – SunOS 5.10: Patch for Western Europe Region locale issues**

2123566 6255292 6249315 6338196 6380900 6318932 6375175

- **119404-03 – SunOS 5.10: Patch for South American Region locale issues**

2123562 6255292 6249315 6338196

- **119407-06 – SunOS 5.10: Patch for Eastern Europe Region locale issues**

2123563 2123564 6255292 6249315 6338196 6347707 6346843 6314583 4944311 6367674 6383002
6399124 6375175

- **119410-03 – GNOME 2.6.0: Gnome Applets Patch**

6205402 6245563 6207273

- **119414-10 – GNOME 2.6.0: Gnome Accessibility Libraries Patch**

6192805 6205225 6182499 6182502 6217152 6192693 6205004 6216843 6226723 6228329 6260441
6283137 6315241 4768049 6347858 6340516 6358227 6386230 6199929 6407595 6431039 6377106

- **119416-01 – GNOME 2.6.0: Gnome Text-To-Speech Engine Patch**

6216843 6226723 6228329

- **119418-02 – GNOME 2.6.0: Gnome On-screen Keyboard Patch**

5109895 6200712 6211656 6223576

- **119420-01 – SunOS 5.10: Thai locale patch**

6235012

- **119470-07 – SunOS 5.10: Sun Enterprise Network Array firmware and utilities**

5046910 5076769 6201060 6204512 6234959 6235886 6247521 6250956 6250957 6274205 6285969
6347707

- **119534-07 – SunOS 5.10: Flash Archive Patch**

4947796 4956004 5031468 5081174 6216373 6225430 6256048 6267370 6301206 6306712 6322333
6330261 6382817

- **119538-04 – GNOME 2.6.0: Window Manager Patch**

6200511 6182510 6227065 6204338

- **119540-04 – GNOME 2.6.0: Gnome Dtlogin configuration Patch**

6197950 6248517 6214486 6206909

- **119544-03 – GNOME 2.6.0: Gnome streaming media framework Patch**

6226060 6227666 6226597

- **119546-04 – APOC 1.1: APOC Configuration Agent Patch**

6241546 6257229 6258281 6278047 6293945 6313943

- **119548-04 – GNOME 2.6.0: Gnome Multi-protocol instant messaging client Patch**

6217610 4990149 6268932 6269430 6328008

- **119555-03 – SunOS 5.10: Software to support QLogic Ultra3 SCSI host bus adapters**

4895884 6219159 6220200 6343904

- **119570-01 – SunOS 5.10: lw8 Patch**

5090037

- **119573-02 – SunOS 5.10: cachefsd patch**

6233613 6237411 6344186 6399242

- **119574-02 – SunOS 5.10: su patch**

6213281 6219721 6219774 6243480

- **119578-24 – SunOS 5.10: FMA Patch**

4818484 5062645 5087929 5090037 6198521 6202564 6213277 6216754 6218246 6218463 6223348
6224293 6225875 6237913 6240456 6244989 6249531 6253955 6254303 6254397 6256371 6263078
6264415 6273144 6276462 6278369 6278378 6279063 6317871 6320584 6321736 6322749 6323532
6324536 6325530 6326958 6328921 6330644 6336193 6337809 6338081 6338653 6342066 6345621
6345894 6345936 6362043 6362164 6366206 6369190 6411192 6426009

- **119580-02 – SunOS 5.10: libcpc Patch**

5062645 5087929 6202564 6264753

- **119583-01 – SunOS 5.10: memory classification header file patch**

4818484 6198521 6253955

- **119586-02 – SunOS 5.10: pcbe Patch**

5062645 5087929 6202564 6259341

- **119593-01 – SunOS 5.10: net-svc patch**

6196716

- **119598-05 – GNOME 2.6.0: Gnome Screen Reader and Magnifier Patch**

6205770 6191352 6207171 5083128 6205765 6202337 6200573 6186020 5095976 6315934 6202897
6193299 6239339 6240135 6373775 6340786 6380184

- **119601-06 – SunOS 5.10: Patch for European Region JDS messages**

6250683 6296998 6274401 6186577 6263015 6176784 6180730 4929548 4957762 6308186 6336423
6342833 6382651 6408317

- **119603-05 – SunOS 5.10: Patch for Asian Region JDS messages**

6250683 6263015 6176784 4932571 6308186 4957762 6294274 6297892 6312176 6336423 6408317

- **119605-05 – SunOS 5.10: Patch for Japanese JDS messages**

6250683 6263015 6176784 6308186 6336423 6408317

- **119648-01 – SunOS 5.10: vlan driver patch**

5097913 6216827

- **119685-05 – SunOS 5.10: svc.startd patch**

6202359 6222477 6223908 6225601 6231291 6248163 6262086

- **119703-05 – SunOS 5.10: Patch for localeadm issues**

6293965 6192791 6286551 6189823 6252055 6249315 6338196 6339465 6350486 6384012 6390202
6412760

- **119712-04 – SunOS 5.10: usr/sbin/in.routed Patch**

5096257 6227282 6231263 6302789 6309829 6318725 6331032

- **119721-02 – SunOS 5.10: usr/lib/efcode/sparcv9/interpreter patch**

6251093 6281038

- **119728-03 – SunOS 5.10: FJSV,GPUU platform fmd.conf patch**

- 6249544 6265507 6369580 6392462
 - **119757-02 – SunOS 5.10: Samba patch**
- 5080288 5100732 6179361 6217228 6218964 6248115 6248953 6345488
 - **119764-03 – SunOS 5.10: ipmitool patch**
- 6209442 6266203 6266225 6344396
 - **119766-02 – SunOS 5.10: SunFreeware man pages patch**
- 6209442 6266203 6266225
 - **119771-01 – SunOS 5.10: Asian CCK locales patch**
- 6246438
 - **119783-01 – SunOS 5.10: bind patch**
- 6192028 6226796
 - **119797-07 – SunOS 5.10: CDE Localization message patch**
- 6259957 6299116 6279262 6309630 6375502 6345512 6382640 6395838 6402802
 - **119810-02 – SunOS 5.10: International Components for Unicode Patch**
- 4785261 6217550 6354379
 - **119812-01 – X11 6.6.2: Freetype patch**
- 6229445
 - **119814-08 – SunOS 5.10: OS Japanese manpages patch**
- 6262660 6261964 6317482 6373667 6396026
 - **119824-01 – SunOS 5.10: prstat patch**
- 6216522
 - **119826-01 – SunOS 5.10: libadm.so.1 patch**
- 6197410
 - **119844-04 – SunOS 5.10: Patch for Southern Europe Region locale issues**
- 6255292 6249315 6338196 6347707 6315127 6336555 6318932 6375175
 - **119845-02 – SunOS 5.10: Patch for Australasia Region locale issues**
- 6255292 6249315 6338196
 - **119850-17 – SunOS 5.10: mpt radioictl libpicsbl libpicfrudr**

4961433 5062645 5087929 6195171 6197861 6202564 6203341 6204621 6207276 6210716 6218503
 6225262 6226426 6228871 6228874 6234363 6236253 6236870 6237411 6238679 6238686 6239064
 6240956 6242869 6243046 6248724 6252787 6256312 6261643 6263078 6269064 6270085 6280459
 6298924 6310408 6310557 6313684 6318183 6324156 6325213 6328752 6332630 6333508 6338401
 6339177 6340900 6342066 6349142 6355260 6356477 6356620 6358078 6358498 6359179 6360218
 6369683 6370208 6370213 6370337 6372436 6373268 6377085 6378652 6382016 6400068

- **119852-03 – SunOS 5.10: unix branding patch**

6226920 6236514 6236985 6264845

- **119876-05 – SunOS 5.10: FJSV,GPUU platform links patch**

6265507 6285132 6343503 6348606 6369580

- **119890-03 – GNOME 2.6.0: search tool Patch**

6253916 5072526 6234957

- **119892-01 – GNOME 2.6.0: gimp Patch**

6209566

- **119900-02 – GNOME 2.6.0: Gnome libtiff - library for reading and writing TIFF Patch**

6203747 6321957 6377231

- **119903-01 – OpenWindows 3.7.3: Xview Patch**

4459703

- **119906-04 – Gnome 2.6.0: Virtual File System Framework patch**

5068327 6199955 6200485 6205707 6243455 6234855 6262830 6177074

- **119955-03 – CDE 1.6: Tooltalk Runtime patch for Solaris 10**

6206423 6235250 6347707

- **119963-05 – SunOS 5.10: Shared library patch for C++**

6242459 6244128 6244223 6253345 6300352 6283644 6244286 6274396 6304703 6326163 6339010
 6393170

- **119974-03 – SunOS 5.10: fp plug-in for cfgadm**

6223856 6259488 6347707

- **119981-09 – SunOS 5.10: libc_psr patch**

5067964 6226862 6230146 6245378 6253744 6256312 6274184 6305824 6306370 6307457 6311268
 6322258 6323531 6324149 6329025 6330081 6330111 6333857 6353030 6368078

- **119982-05 – SunOS 5.10: ufsboot patch**

4063945 4799697 5004701 5096886 6198523 6216419 6217870 6223375 6228203 6233613 6237411
6240363 6250211 6256157 6256372 6262573 6265542 6276060 6277961 6284968 6303398 6322005
6322205 6332352 6335370 6337437 6338081 6338386 6338653 6341429 6345690 6346183 6351165
6354381 6354997 6355634 6360864 6362641 6379909 6381344 6389326

- **119984-03 – SunOS 5.10: devfsadm patch**

4165223 4931229 4939546 6237411 6245559

- **119985-02 – SunOS 5.10: perl patch**

6233613 6237411 6368763

- **119986-03 – SunOS 5.10: clri patch**

4913439 6194015 6421970

- **119988-01 – SunOS 5.10: sed patch**

4865669

- **120032-02 – SunOS 5.10: libresolv.so patch**

6205056 6392438

- **120036-03 – SunOS 5.10: libldap patch**

4626861 6226776 6232564 6232579 6274517 6276525 6312173

- **120038-01 – SunOS 5.10: sadc patch**

6257191

- **120044-01 – SunOS 5.10: psrset patch**

6248421

- **120046-01 – SunOS 5.10: nfsmapid patch**

6243099 6268829 6276074

- **120048-03 – SunOS 5.10: fss patch**

6219389 6302167 6313929

- **120050-02 – SunOS 5.10: usermod patch**

6211845 6221091 6249813

- **120052-01 – SunOS 5.10: pam unix cred library patch**

6281689

- **120056-02 – SunOS 5.10: hpc3130 Patch**

- 6249526 6283570
 - **120061-02 – SunOS 5.10: glm Patch**
- 5026812 5091622 6208932 6258111 6350993
 - **120062-01 – SunOS 5.10: localedef Patch**
- 6274427 6287593
 - **120064-01 – SunOS 5.10: stdio_iso.h Patch**
- 6266832
 - **120068-01 – SunOS 5.10: in.telnetd Patch**
- 6246102
 - **120085-01 – SunOS 5.10: in.ftpd patch**
- 6239487
 - **120094-06 – X11 6.6.2: xscreensaver patch**
- 6237901 6267306 6228023 6203951 4806728 4818062 6368558 6368607 6369021 6346056
 - **120099-03 – APOC 1.1: Sun Java(tm) Desktop System Configuration Shared Libraries**
- 6265312 6278049 6293945
 - **120101-01 – SunOS 5.10: libsmmedia patch**
- 6240296
 - **120128-02 – SunOS 5.10: xargs patch**
- 6203159 6323628
 - **120182-02 – SunOS 5.10: Sun Fibre Channel Host Bus Adapter Library**
- 6210435 6306254 6347707
 - **120195-02 – SunOS 5.10: patch schpc sc_gptwocfg gptwo_pci**
- 5076027 6252214
 - **120196-02 – SunOS 5.10: patch libprtdiag_psr.so.1**
- 5076027 6286335
 - **120198-04 – SunOS 5.10: patch libpiclfrutree.so.1**
- 5076027 6243897 6274493 6280933 6286335 6295752
 - **120199-04 – SunOS 5.10: sysidtool Patch**

4716085 6194680 6220706 6239897 6268847

- **120201-02 – X11 6.8.0: Xorg client libraries patch**

6248315 6366603 6347707

- **120222-09 – SunOS 5.10: Emulex-Sun LightPulse Fibre Channel Adapter driver**

6248456 6248899 6252273 6252308 6252633 6252767 6264417 6273321 6273949 6275529 6276730
6277406 6281068 6281270 6281938 6284688 6286283 6286352 6290648 6291133 6296689 6300078
6301627 6314407 6323974 6325753 6329384 6329972 6331152 6333054 6333059 6336547 6339616
6339679 6339682 6340896 6343904 6344012 6348810 6364395 6381360

- **120224-02 – SunOS 5.10: SPECIAL PATCH: Emulex-Sun Fibre Channel Adapter driver**

6267262 6325753 6333054 6333059 6340896

- **120235-01 – SunOS 5.10: Live Upgrade Zones Support Patch**

6275557

- **120253-02 – SunOS 5.10: svc-cvcd Patch**

4792021 6338512 6380945

- **120256-01 – SunOS 5.10: hci1394 Patch**

6260567 6286705

- **120272-05 – SunOS 5.10 : SMA patch**

6191915 6243363 6243366 6244918 6247942 6298133 6314112 6347707 6349493 6349495 6349501
6367337 6368319 6408492 6420118

- **120274-01 – SunOS 5.10: SPECIAL PATCH: For postinstall File**

6191915

- **120282-02 – GNOME 2.6.0: Gnome CD Player Utility Patch**

5053909 6210011 6387160

- **120284-02 – GNOME 2.6.0: GNOME CORBA ORB and component framework**

6235648 6238754 6295858

- **120286-02 – GNOME 2.6.0: Gnome text editor Patch**

4937266 6355577 5092704 6347229

- **120288-02 – GNOME 2.6.0: Gnome terminal Patch**

6241338 6242857 6303664

- **120292-01 – SunOS 5.10 : mysql patch**

- 6258187
- **120294-01 – SunOS 5.10 : mysql man patch**
- 6258187
- **120311-02 – SunOS 5.10: FRESHBIT ONLY PATCH: For deletes file**
- 6178746
- **120329-02 – SunOS 5.10: rexec patch**
- 6245588 6371429
- **120335-04 – SunOS 5.10: Sun Update Connection Client Localization**
 - **120338-05 – SunOS 5.10: Asian CCK locales patch**
- 6279310 6285930 6347707
- **120344-01 – SunOS 5.10: SPECIAL PATCH: Common Fibre Channel HBA API Library Script Patch**
- 6202863 6239116
- **120346-03 – SunOS 5.10: Common Fibre Channel HBA API Library**
- 6202863 6239116 6288908 6334772
- **120410-10 – SunOS 5.10: Internet/Intranet Input Method Framework patch**
- 6362324
- **120412-04 – SunOS 5.10: Simplified Chinese locale patch**
- 6362324
- **120414-09 – SunOS 5.10: Asian CCK locales patch**
- 6362324
- **120416-04 – SunOS 5.10: SPECIAL PATCH: class action scripts patch**
- 6362324 6399243 6415636
- **120450-01 – SunOS 5.10: get_netmask Utility Patch**
- 4218092
- **120452-01 – SunOS 5.10: SPECIAL PATCH: For editable files only**
- 5006767
- **120454-01 – GNOME 2.6.0: Gnome Apoc GConf Adapter Patch**

6281517

- **120456-01 – GNOME 2.6.0: Gnome image viewer Patch**

6288517

- **120458-01 – GNOME 2.6.0: Gnome configuration Patch**

6293945

- **120460-07 – GNOME 2.6.0: Gnome libs Patch**

6242857 5087948 5088844 6216594 6306889 6301837 6231341 6305090 6347224 6348450 6394047

- **120462-06 – SunOS 5.10: FUJITSU PCI GigabitEthernet 2.0 patch**

6263610 6314180 6314192 6326340 6328936 6389287 6389294 6389298 6411854 6411855 6411856

- **120467-04 – SunOS 5.10: LP patch**

4997994 5065608 5096624 6208058 6233613 6237411 6260526 6289134 6314243 6314245

- **120469-04 – SunOS 5.10: kerberos patch**

6203833 6208638 6247126 6261685 6284864

- **120473-01 – SunOS 5.10: nss_compat patch**

5097644

- **120543-02 – SunOS 5.10: Apache Patch**

6222168 6228840 6257414 6301799 6367565 6378495

- **120560-02 – SunOS 5.10: sun4u platform links patch**

6297712 6342066 6377979

- **120618-01 – SunOS 5.10: mailx patch**

6233613 6237411

- **120629-02 – SunOS 5.10: libpool patch**

6232648 6234525

- **120661-04 – SunOS 5.10: rpcmod patch**

5061331 6228017 6253388 6265027 6272865 6328296

- **120664-01 – SunOS 5.10: tl driver patch**

4352289 6227895 6249138 6256056 6260210 6290652

- **120690-01 – SunOS 5.10: SPECIAL PATCH : For depend File**

6299541

- **120704-01 – SunOS 5.10 : smartcard man patch**

6310070

- **120706-02 – SunOS 5.10: XIL 1.4.2 Loadable Pipeline Libraries**

6255091 6357678

- **120719-01 – SunOS 5.10 : gzip patch**

6283819 6294656

- **120732-01 – SunOS 5.10 : libusb patch**

5033202 6251518 6251836 6272172

- **120737-01 – SunOS 5.10: FX patch**

6251636

- **120739-02 – GNOME 2.6.0: GNOME PDF Viewer based on Xpdf**

6219093 6294547

- **120741-01 – SunOS 5.10: seg_map header file patch**

6264443

- **120744-02 – SunOS 5.10: web console locale patch (de/es/fr/ja/ko/zh)**

6341293 6414269

- **120746-01 – SunOS 5.10_sparc, SUNWswmt patch**

6314804

- **120753-02 – SunOS 5.10: Microtasking libraries (libmtsk) patch**

4640927 5105585 6176541 6224639 6266200 6281454 6284576 6292619 6308531 6315352 6347707

- **120780-02 – SunOS 5.10: ixgb patch**

6213631 6224685 6249135 6267684 6273316 6275585 6275597 6283655 6293332 6296681 6303593
6326737 6326764 6330766 6354597 6366883 6367520

- **120807-01 – SunOS 5.10: rpc.mdcommd patch**

6290815

- **120809-01 – SunOS 5.10: metaclust patch**

6274840

- **120811-02 – SunOS 5.10: FUJITSU PCI Fibre Channel Driver 3.0 patch**

6320887 6320888 6320889 6320890 6320891 6390434 6390438 6390442

- **120812-10 – OpenGL 1.5: OpenGL Patch for Solaris**

6319713 6329031 6304867 6310706 6325241 6320884 6318796 6331251 6331516 6336456 4898884
6182277 6319762 6337931 6370332 6372166 6378129 6331508 6315618 6334385 6364166 6374033
6377389 6378207 6381610 6390277 6395879 6390026 6395712 6401397 6406474 6407746 6416582
6406701 6393151 6422606

- **120815-01 – SunOS 5.10: dmfe patch**

5067101

- **120816-01 – SunOS 5.10: at and batch Patch**

6208425

- **120824-04 – SunOS 5.10: usr/platform/SUNW,Sun-Fire-T200/lib/libprtdiag_psr.so.1 Patch**

6311020 6314098 6321414 6362334

- **120825-01 – SunOS 5.10: SPECIAL PATCH: FJSVpiclu depend file**

6318307

- **120830-04 – SunOS 5.10: vi and ex patch**

6208422 6219736 6219754 6320769 6320774

- **120837-01 – SunOS 5.10: SPECIAL PATCH: For DEPEND Files**

6213629 6317245

- **120844-01 – SunOS 5.10: platform/sun4v/kernel/drv/sparcv9/glvc patch**

6313788

- **120845-01 – SunOS 5.10: auditd patch**

4875480 6261894

- **120849-04 – SunOS 5.10: Sun PCI-E Gigabit Ethernet Adapter Patch**

6267523 6315924 6324137 6326244 6332746 6337912 6348971 6354492 6361073 6380495

- **120873-03 – SunOS 5.10: xscreensaver localization message patch**

6203951 6316915 6388099 6404846

- **120887-05 – SunOS 5.10: cdrw patch**

5097578 6226041 6237805 6237817 6239665 6297848 6327126 6346283 6372024

- **120889-01 – SunOS 5.10: librac patch**

6297767

- **120900-04 – SunOS 5.10: libzonecfg Patch**

6200896 6218854 6328286 6346201 6400792

- **120928-07 – SunOS 5.10: Sun XVR-2500 Graphics Accelerator Patch**

6327283 6305850 6316467 6234713 6307350 6265574 6238000 6325762 6205581 6314730 6320112
 6336694 6338638 6342123 6265643 6309117 6334385 6334397 6336633 6337380 6344057 6345188
 6351522 6356543 6356574 6359915 6339673 6360556 6359124 6336810 6345789 6358136 6368899
 6384945 6389874

- **120932-01 – Solaris 10 U1: Live Upgrade to S10U1 fails due to checkinstall script**

6320417

- **120934-01 – Solaris 10 U1: Live Upgrade to S10U1 fails due to SUNWccrrr postinattall**

6320433

- **120984-01 – SunOS 5.10: nss_user.so.1 Patch**

6235336

- **120986-04 – SunOS 5.10: mkfs and newfs patch**

1260290 4063945 4471706 4799697 4836779 4845221 4857410 4872089 4890510 5004701 5086715
 5096886 6175186 6184783 6198523 6208131 6217870 6223375 6240363 6245090 6250211 6256157
 6256372 6262573 6265542 6277961 6284968 6303398 6312941 6312946 6312949 6312954 6322005
 6322205 6332352 6335370 6337437 6338081 6338386 6338653 6341429 6345690 6346183 6351165
 6354381 6354997 6355634 6360864 6362641 6379909 6381344 6389326

- **120988-01 – SunOS 5.10: grpck Patch**

6221968

- **120990-02 – SunOS 5.10: net-physical Patch**

5062168 6369648

- **120992-02 – SunOS 5.10: nfs_clnt.h and nfs4_clnt.h Patch**

6266836 6282389

- **120994-01 – SunOS 5.10: elf_amd64.h Patch**

6236594

- **121002-02 – SunOS 5.10: pax patch**

6300407 6324879

- **121004-01 – SunOS 5.10: sh patch**
6277636
- **121006-01 – SunOS 5.10: libkadm5 and kadmind patch**
6215066 6227969 6265737 6278018
- **121008-01 – SunOS 5.10: ufsrestore patch**
6264883
- **121010-01 – SunOS 5.10: rpc.metad patch**
6324927
- **121012-01 – SunOS 5.10: traceroute patch**
6290611 6290623 6291147 6291879 6298211 6298351
- **121036-01 – Gnome 2.6.0: base libraries patch**
6215709
- **121061-01 – SunOS 5.10: motd Patch**
6222495
- **121081-05 – SunOS 5.10: Connected Customer Agents 1.1.0**
6304558 6319108 6300369 6395708 6392682 6410428
- **121095-01 – GNOME 2.6.0: GNOME EXIF tag parsing library for digital cameras**
6257383
- **121104-01 – Adobe Acrobat Reader patch**
6300634 6333477 6338781
- **121118-06 – SunOS 5.10_sparc, Sun Update Connection Client, System Edition 1.0.4**

4986258 5002316 5022653 5023766 5029322 5066299 5075120 6283475 6286401 6301964 6302734
6303345 6303347 6304050 6304752 6304766 6305349 6309151 6311346 6311982 6315572 6316079
6316614 6316714 6318386 6320362 6326062 6326563 6327736 6327855 6330775 6331953 6334463
6334470 6335197 6336315 6337321 6337356 6341454 6354986 6362828 6363403 6367722 6372274
6381140 6391266 6395034 6395874

- **121128-01 – SunOS 5.10: lofs patch**
5034470
- **121130-01 – SunOS 5.10: librcm.so.1 patch**

5103374

- **121132-01 – SunOS 5.10: cryptmod patch**

6378797

- **121133-02 – SunOS 5.10: zones library and zones utility patch**

6200896 6317239 6328286 6329667 6339404 6346201 6393109 6400792 6415764

- **121136-01 – Adobe Acrobat Reader patch**

6300634

- **121189-02 – SunOS 5.10: Sun GigaSwift Ethernet 1.0 driver patch**

6304571 6216131 6255394 6214285 6310502 4722784 6356079 4770635 6358618 6358633 4763926

- **121211-01 – SunOS 5.10: Sun Java Web Console (Lockhart) Patch**

6174575 6190851 6197979 6202144 6202180 6210774 6216732 6219010 6221395 6221403 6221475
6221807 6221988 6227790 6234014 6238598 6245886 6250060 6261549 6263027 6285557

- **121215-01 – SunOS 5.10: ipsecconf patch**

6214460

- **121229-01 – SunOS 5.10: libssl patch**

6332476

- **121233-01 – SunOS 5.10: gsscred patch**

5008950

- **121235-01 – SunOS 5.10: rcapd patch**

6228013

- **121236-01 – SunOS 5.10: ncp patch**

6338338

- **121239-01 – SunOS 5.10: libgss patch**

6203833

- **121242-02 – SunOS 5.10: web console locale patch (it/sv)**

6341293 6414269

- **121265-02 – SunOS 5.10: libc_psr_hwcap1.so.1 patch**

6315997 6325559

- **121286-02 – SunOS 5.10: libfru.so.1 and libfrureg.so.1 patch**
6309900 6325788
- **121288-01 – SunOS 5.10: svcs patch**
6293006 6306667
- **121296-01 – SunOS 5.10: fgrep Patch**
6295261
- **121302-01 – SunOS 5.10: /platform/SUNW,A70/kernel/misc/sparcv9/platmod patch**
6365283
- **121306-02 – SunOS 5.10: SPECIAL PATCH: For package level scripts only**
6323208 6336160
- **121308-04 – SunOS 5.10: Solaris Management Console Patch**
5090761 6179516 6183058 6365746
- **121336-02 – SunOS 5.10: FUJITSU ULTRA LVD SCSI Host Bus Adapter Driver 1.0 patch**
6342915 6342916 6342918 6398480
- **121337-01 – SunOS 5.10: tlimod patch**
6328296
- **121394-01 – SunOS 5.10: aio_impl.h patch**
4954646 6183621
- **121406-01 – SunOS 5.10: ikeadm patch**
6268124 6283165
- **121428-03 – SunOS 5.10: Live Upgrade Zones Support Patch**
5015838 6221561 6242607 6381089
- **121430-10 – SunOS 5.8 5.9 5.10: Live Upgrade Patch**
4873203 4992478 5015838 6221561 6221609 6224940 6252385 6252388 6253700 6263351 6265069
6284550 6286969 6297948 6297950 6317386 6319706 6319769 6320330 6322850 6322867 6322962
6328587 6332091 6335531 6336069 6336160 6339728 6347732 6357186 6365289 6367766 6381089
6398112 6411522 6420644 6432846
- **121453-02 – SunOS 5.10: Sun Update Connection Client Foundation**

6322616 6348676 6325141 6325580 6325603 6324926 6325021 6319981 6324894 6316500 6288010
 6288194 6288300 6289010 6293659 6297756 6298489 6299025 6300171 6300219 6300355 6300794
 6302650 6303352 6303587 6304558 6304563 6304786 6306155 6260830 6315572 6314437 6314341
 6316780 6342800

- **121463-05 – GNOME 2.6.0: Gnome Accessibility Libraries Patch**

6347858 6340516 6358227 6386230 6431039 6377106

- **121474-01 – SunOS 5.10: audit_event patch**

4931229

- **121487-01 – CDE 1.6: dtmail patch**

6337697

- **121549-01 – SunOS 5.10: SPECIAL PATCH: FJSVdrdr.us r.mainfest file**

6231947

- **121556-01 – SunOS 5.10: SUNW,Netra-CP3010 platform patch**

6237913 6313078

- **121557-01 – SunOS 5.10: SUNW,Netra-CP3010 usr/platform patch**

6237913 6336317

- **121558-01 – SunOS 5.10: SUNW,Netra-CP3010 platform patch**

6237913

- **121559-01 – SunOS 5.10: Netra-CP3010 libprtdiag_psr patch**

6237913 6336317

- **121561-03 – SunOS 5.10: keymap patch**

6277193 6361984 6362506 6366101 6381421

- **121575-01 – SunOS 5.10: SPECIAL PATCH: For package level scripts only**

6345097

- **121580-01 – SunOS 5.10: daktari and cherrystone header files patch**

6240925

- **121606-01 – GNOME 2.6.0: Python patch**

6199942 6247860 6318436 6318475 6340077

- **121620-02 – SunOS 5.10: Patch for mediaLib in Solaris**

6359985 6347707 6397621

- **121667-02 – SunOS 5.10: pilot-link header patch**

6321205 6334598

- **121669-01 – SunOS 5.10: SunFreeware pilot-link man pages patch**

6321205

- **121671-01 – GNOME 2.6.0: SPECIAL PATCH for SUNWPython package**

6199942 6247860 6318436 6318475 6340077

- **121675-06 – SunOS 5.10: Japanese Input System ATOK patch**

6362324 6373667 6409794

- **121693-02 – SunOS 5.10: chicago audio patch**

6229153 6367354

- **121694-01 – SunOS 5.10: elfexec patch**

6282392

- **121721-01 – SunOS 5.10: SVM header files patch**

6263122

- **121734-04 – SunOS 5.10: patch to support addition of new UTF-8 locales**

6303757 6314560 6338821 4937197 6326805 6380372

- **121778-12 – SunOS 5.10: Script Patch**

4920408 4931229 5026812 6229153 6232332 6287428 6301944 6336517 6340983 4108775 6338660
6338653 6303973 6426899 6434795 6345641

- **121780-11 – SunOS 5.10: SPECIAL PATCH: For EDITABLE Files**

4831622 4920408 4931229 6178604 6232332 6301944 6353217 6313684 4108775 6299476 6338653
6403183 6377502 6427081 6426899 6345641

- **121802-01 – SunOS 5.10: mouse device consms patch**

6339376

- **121868-03 – X11 6.6.2: keytable patch**

6311410 6338085 6217588 6377837 6277903 6310310 6319348 6334067 6340191 6346811 6353678
6370100 6370739 6378024

- **121870-01 – X11 6.6.2: xterm patch**

- 6315492
 - **121901-01 – SunOS 5.10: i.manifest r.manifest class action script patch**
- 6209178
 - **121905-01 – SunOS 5.10: audit header files patch**
- 4931229
 - **121921-02 – SunOS 5.10: libumem library patch**
- 6308756 6317793 6341280 6385367
 - **121923-01 – Gnome 2.6.0: GNOME CD Burner patch**
- 6210267
 - **121944-01 – SunOS 5.10: SunFire libpsvcpolicy libraries patch**
- 6214188 6250164 6286821 6337779
 - **121946-01 – SunOS 5.10: Error processing FRU tree: IO error patch**
- 6325788
 - **121947-01 – SunOS 5.10: New Keyboards software needed**
- 6217588
 - **121953-02 – SunOS 5.10: Localization patch for new EMEA FIGGS locales**
- 6321422 6388015
 - **121975-01 – CDE 1.6: Xsession patch**
- 6354282
 - **121977-01 – CDE 1.6: Dtlogin patch**
- 6309633
 - **122005-01 – SunOS 5.10 : SunFreeware growisofs man pages**
- 6346516
 - **122009-01 – SunOS 5.10: SunFreeware cdrtools patch**
- 6251877 6318184
 - **122011-01 – SunOS 5.10: SunFreeware cdrtools man pages patch**
- 6251877 6318184
 - **122021-01 – SunOS 5.10: SPECIAL PATCH: For depend File**

6251877 6318184

- **122027-03 – SunOS 5.10: bge driver patch**

6289503 6337341 6341664 6342824 6346582 6353217 6355679 6355683 6361231 6371677 6387618
6394636

- **122029-01 – SunOS 5.10: NIS+ nis patch**

6254605 6261290

- **122031-01 – SunOS 5.10: cgsix Patch**

6246748

- **122032-02 – SunOS 5.10: Update timezones patch**

6226357 6348147 6380398

- **122064-01 – CDE 1.6: Tooltalk ttssession patch for Solaris 10**

6328571

- **122083-01 – SunOS 5.10: fsck mirrored patch**

6273536

- **122085-01 – SunOS 5.10: nispasswd patch**

6225117

- **122087-01 – SunOS 5.10: LTC1427-connected fan device driver patch**

6176554

- **122119-03 – SunOS 5.10: Patch for North African locale issues**

6346091 6377955 6380993

- **122130-01 – SunOS 5.10: Patch to update SUNWlocaledefsrc files**

6345525

- **122172-06 – SunOS 5.10: swap swapadd isaexec patch**

4063945 4799697 5004701 5096886 6194015 6198523 6217870 6223375 6240363 6250211 6256157
6256372 6262573 6265542 6277961 6284968 6303398 6322005 6322205 6332352 6335370 6337437
6338081 6338386 6338653 6341429 6345690 6346183 6351165 6354381 6354997 6355634 6360864
6362641 6363824 6379909 6381344 6389326 6415521 6421970 6426755 6426760

- **122174-03 – SunOS 5.10: dumpadm patch**

4063945 4799697 5004701 5096886 6194015 6198523 6217870 6223375 6240363 6250211 6256157
6256372 6262573 6265542 6277961 6284968 6303398 6322005 6322205 6332352 6335370 6337437

6338081 6338386 6338653 6341429 6345690 6346183 6351165 6354381 6354997 6355634 6360864
6362641 6379909 6381344 6389326 6421970

- **122180-01 – SunOS 5.10: Patch for North African locale issues**

6348993

- **122183-01 – SunOS 5.10: logadm timestamp patch**

4824041

- **122195-02 – SunOS 5.10: pkgadd assertion patch**

5076562 5083131 6181364 6183842 6202015 6216286 6216650 6219101 6220169 6221584 6222529
6223178 6229087 6229583 6230033 6232253 6232309 6237801 6255593 6264225 6265569 6266851
6267828 6272568 6281100 6281113 6282049 6284455 6286625 6295417 6298484 6298972 6298974
6298981 6305465 6307994 6309430 6310438 6313638 6313668 6313670 6314073 6322672 6323319
6323322 6323393 6323554 6328144 6331093 6332245 6333184 6333617 6335522 6335549 6342823
6342977 6346926 6354842 6356155 6359264 6359850 6363503 6365335 6365742 6365743 6366758
6366821 6366825 6367031 6367044 6367046 6367047 6367049 6367051 6367053 6367057 6367061
6367063 6367067 6367068 6367069 6367070 6367073 6367075 6367222 6367985 6368526 6368690
6369961 6370284 6370798 6370802 6371490 6372151 6373071 6376283 6377319 6377640 6378297
6378676 6379498 6381022 6383188 6384565 6384727 6385004 6385007 6385479 6385516 6388986
6389646 6389650 6390114 6390119 6390232 6390232 6390617 6390709 6391117 6391121
6391774 6392166 6392223 6392467 6393356 6393362 6395385 6397762 6397830 6398161

- **122204-01 – GNOME 2.6.0: configuration framework Patch**

6310437

- **122206-02 – Gnome 2.6.0: On-screen Keyboard Patch**

6329929 6364326

- **122208-01 – GNOME 2.6.0: Removable Media Patch**

6207027

- **122210-01 – GNOME 2.6.0: GNOME Media Player Patch**

6370445

- **122212-03 – GNOME 2.6.0: GNOME JUMBO Patch**

5011528 6218831 6202416 4899270 6255964 6234837 6200485 6234894 6200326 6238031 6251220
6262830 6261299 6312879 6312736 6239595 6244269 6214486 6195818 6217648 6271501 6317578
6193275 6202413 6205402 6253594 6200000 6208184 6218072 6222326 6303664 6303219 6225051
6324700 5088581 6255199 6298139 6354209 5054339 6197950 6230090 6230098 6203727 5032088
6232578 6214222 6248517 6277164 6237403 6250742 6267922 6273175 6211279 5054519 5056390
6191372 6363035 6210443 6291127 6247833 6340714 6340716 6347227 6363752 6239962 5072848
6347360 6385401 6398671

- **122215-01 – SunOS 5.10: syslogd patch**

6221022

- **122225-01 – SunOS 5.10_sparc, SPECIAL PATCH: For Script Files**

6381140

- **122231-01 – SunOS 5.10 Sun Connection agents, transport certificate update**

6379777

- **122239-01 – SunOS 5.10: Apache 2 mod_perl Perl cgi patch**

6289386

- **122251-01 – SunOS 5.10: librestart.so.1 patch**

6338570

- **122253-01 – SunOS 5.10: scsi patch**

6326981

- **122255-03 – SunOS 5.10: patch etc/flash/precreation/caplib**

5062145 6261859 6297798 6357980 6370222 6370368 6371413 6376429 6376682 6428121

- **122259-01 – SunOS 5.10: SunFreeware gnu esp ghostscript patch**

6333285 6343050 6360710 6360803

- **122261-01 – SunOS 5.10: SunFreeware ghostscript man pages patch**

6333285 6343050 6360710 6360803

- **122263-01 – SunOS 5.10: SPECIAL PATCH: fp plug-in for cfgadm**

6319165

- **122416-01 – SunOS 5.10: SPECIAL PATCH: depend file patch**

2129341

- **122418-01 – SunOS 5.10: Fix Garbled Message Issues for Ru**

6363262

- **122420-01 – SunOS 5.10: Simplified Chinese locale patch**

6357520

- **122422-02 – SunOS 5.10: add missing locale files for Mozilla**

6387991 6403436

- **122470-01 – Gnome 2.6.0: GNOME Java Help Patch**

6364981

- **122487-02 – SunOS 5.10: Patch for Middle Eastern Region locale issue**

6380993

- **122513-01 – SunOS 5.10: SUNW_cfg_link.so devfsadm patch**

6326077 6326078 6326505 6326531

- **122515-01 – SunOS 5.10: boston platform patch**

6313684 6342066

- **122517-01 – SunOS 5.10:**

6313684 6328752 6342066 6360332 6372133

- **122519-01 – SunOS 5.10: fruadm patch**

6344008

- **122521-01 – SunOS 5.10: locator patch**

6347537

- **122523-01 – SunOS 5.10: seattle platform patch**

6313684 6328752 6368491 6369218 6371983

- **122525-01 – SunOS 5.10: seattle patch**

6313684 6328752 6342066 6365052 6372133 6373525

- **122535-01 – SunOS 5.10: llib-lcrypto patch**

6285539 6287497

- **122537-01 – SunOS 5.10: libpiclenvmon.so.1 patch**

6394558

- **122539-02 – SunOS 5.10: volmgt and bsmconv patch**

6178604 6314894 6335442 6339683 6342813 6418027

- **122637-01 – SunOS 5.10: zonename patch**

6393109 6405807 6407551

- **122640-05 – SunOS 5.10: zfs genesis patch**

4063945 4799697 5004701 5096886 6198523 6217870 6223375 6240363 6250211 6256157 6256372
 6262573 6265542 6276934 6277961 6280668 6284968 6285992 6303398 6322005 6322205 6332352
 6335370 6337437 6338081 6338386 6338653 6341429 6343608 6345690 6346183 6351165 6354381

6354997 6355634 6360864 6362641 6365101 6369794 6379909 6381344 6389326 6392291 6393003
6393443 6395670 6396049 6396628 6397071 6397267 6398177 6398380 6398622 6398664 6398713
6399272 6399301 6399767 6399899 6399918 6399930 6400742 6402388 6402569 6402598 6403294
6405008 6405662 6406959 6407365 6407366 6407367 6407377 6407444 6407635 6407791 6407842
6408482 6409927 6410371 6410698 6410700 6410709 6410711 6410836 6411780 6413125 6413573
6413731 6416101 6420920 6422565 6423046 6424405 6426323 6435700

▪ **122646-01 – SunOS 5.10: zlogin patch**

4063945 4799697 5004701 5096886 6198523 6217870 6223375 6240363 6250211 6256157 6256372
6262573 6265542 6277961 6284968 6303398 6322005 6322205 6332352 6335370 6337437 6338081
6338386 6338653 6341429 6345690 6346183 6351165 6354381 6354997 6355634 6360864 6362641
6379909 6381344 6389326 6393109 6405807 6407551

▪ **122650-02 – SunOS 5.10: zfs tools patch**

4063945 4799697 5004701 5096886 6198523 6217870 6223375 6240363 6250211 6256157 6256372
6262573 6265542 6277961 6284968 6303398 6322005 6322205 6332352 6335370 6337437 6338081
6338386 6338653 6341429 6345690 6346183 6351165 6354381 6354997 6355634 6360864 6362641
6379909 6381344 6389326 6416196

▪ **122652-02 – SunOS 5.10: utilities patch**

4063945 4799697 5004701 5096886 6198523 6217870 6223375 6237359 6240363 6250211 6256157
6256372 6262573 6265542 6268417 6277961 6284968 6297856 6303398 6320763 6322005 6322205
6332352 6335370 6337437 6338081 6338386 6338653 6339766 6341429 6345690 6346183 6351165
6354381 6354997 6355634 6360864 6362641 6369794 6379909 6381344 6389326 6395977

▪ **122658-02 – SunOS 5.10: zonecfg patch**

4063945 4799697 5004701 5096886 6198523 6217870 6223375 6240363 6250211 6256157 6256372
6262573 6265542 6277961 6284968 6303398 6322005 6322205 6332352 6335370 6337437 6338081
6338386 6338653 6341429 6345690 6346183 6351165 6354381 6354997 6355634 6360864 6362641
6379909 6381344 6389326 6393109 6405807 6407551 6428008

▪ **122660-02 – SunOS 5.10: zoneadm zoneadmd patch**

4063945 4799697 5004701 5096886 6198523 6217870 6223375 6240363 6250211 6256157 6256372
6262573 6265542 6277961 6284968 6303398 6322005 6322205 6332352 6335370 6337437 6338081
6338386 6338653 6341429 6345690 6346183 6351165 6354381 6354997 6355634 6360864 6362641
6379909 6381344 6389326 6393109 6405807 6407551 6426755 6426760

▪ **122662-01 – SunOS 5.10: libzonecfg.so.1 patch**

4063945 4799697 5004701 5096886 6198523 6217870 6223375 6240363 6250211 6256157 6256372
6262573 6265542 6277961 6284968 6303398 6322005 6322205 6332352 6335370 6337437 6338081
6338386 6338653 6341429 6345690 6346183 6351165 6354381 6354997 6355634 6360864 6362641
6379909 6381344 6389326 6393109 6405807 6407551

▪ **122669-01 – Evolution 1.4.6: Cryptographic Library patch**

6316976

- **122700-02 – GNOME 2.6.0: Gnome libs CAS Patch**

6348450 6394047 6399245

- **122735-01 – CDE 1.6: backdrops patch**

6385021

- **122750-01 – SunOS 5.10: /lib/svc/method/fs-root patch**

5062145 6261859 6297798 6338660 6357980 6370368 6371413 6376429 6376682

- **122752-03 – SunOS 5.10: FMA snmp patch**

5076562 5083131 6181364 6183842 6202015 6216286 6219101 6220169 6221584 6222529 6223178
 6229087 6229583 6230033 6232253 6232309 6237801 6255593 6264225 6265569 6266851 6267828
 6272568 6281100 6281113 6282049 6284455 6286625 6295417 6298484 6298972 6298974 6298981
 6305465 6307994 6309430 6310438 6313638 6313668 6313670 6314073 6322672 6323319 6323322
 6323393 6323554 6328144 6331093 6332245 6333184 6333617 6335522 6335549 6342823 6342977
 6346926 6354842 6356155 6359264 6359850 6363503 6365335 6365742 6365743 6366758 6366821
 6366825 6367031 6367044 6367046 6367047 6367049 6367051 6367053 6367057 6367061 6367063
 6367067 6367068 6367069 6367070 6367073 6367075 6367222 6367985 6368526 6368690 6369961
 6370284 6370798 6370802 6371490 6372151 6373071 6376283 6377319 6377640 6378297 6378676
 6379498 6381022 6383188 6384565 6384727 6385004 6385007 6385479 6385516 6388986 6389646
 6389650 6390114 6390119 6390205 6390232 6390296 6390617 6390709 6391117 6391121 6391774
 6392166 6392223 6392467 6393356 6393362 6395385 6397762 6397830 6398161 6411790 6413092
 6419030

- **122754-01 – SunOS 5.10: Exacct catalogue patch**

5076562 5083131 6181364 6183842 6202015 6216286 6219101 6220169 6221584 6222529 6223178
 6229087 6229583 6230033 6232253 6232309 6237801 6255593 6264225 6265569 6266851 6267828
 6272568 6281100 6281113 6282049 6284455 6286625 6295417 6298484 6298972 6298974 6298981
 6305465 6307994 6309430 6310438 6313638 6313668 6313670 6314073 6322672 6323319 6323322
 6323393 6323554 6328144 6331093 6332245 6333184 6333617 6335522 6335549 6342823 6342977
 6346926 6354842 6356155 6359264 6359850 6363503 6365335 6365742 6365743 6366758 6366821
 6366825 6367031 6367044 6367046 6367047 6367049 6367051 6367053 6367057 6367061 6367063
 6367067 6367068 6367069 6367070 6367073 6367075 6367222 6367985 6368526 6368690 6369961
 6370284 6370798 6370802 6371490 6372151 6373071 6376283 6377319 6377640 6378297 6378676
 6379498 6381022 6383188 6384565 6384727 6385004 6385007 6385479 6385516 6388986 6389646
 6389650 6390114 6390119 6390205 6390232 6390296 6390617 6390709 6391117 6391121 6391774
 6392166 6392223 6392467 6393356 6393362 6395385 6397762 6397830 6398161

- **122763-01 – SunOS 5.10: SunVideo 1.4 procedural patch**

6398974

- **122856-01 – SunOS 5.10: sendmail patch**

6326006 6368555 6397275 6401629 6403183

- **122860-01 – SunOS 5.10: SCN Update Manager localization patch**

6407430

- **123015-01 – SunOS 5.10: ps patch**

6284623

- **123017-01 – SunOS 5.10: inetd patch**

6240909

- **123066-01 – SunOS 5.10: libmeta.so.1 patch**

6341629

- **123121-02 – SunOS 5.10: lib/libwsreg.so.1 Patch**

6415472 6426965

- **123123-02 – SunOS 5.10_sparc, SPECIAL PATCH: For Script Files**

6423146

- **123140-01 – SunOS 5.10: SPECIAL PATCH: For package level scripts only**

6415472

- **123358-01 – SunOS 5.10: jumpstart and live upgrade compliance patch**

6372009 6433495

x86 Patch List

- **113000-07 – SunOS 5.10_x86: SUNWgrub patch**

6238277 6332309 6346889 6353778 6355498

- **117181-01 – SunOS 5.10_x86: /kernel/drv/pcscsi patch**

6235392

- **117435-02 – SunOS 5.10_x86: biosdev patch**

6237903 6268888 6291914

- **117448-01 – SunOS 5.10_x86: patch usr/sbin/ntpdate**

6237001

- **117464-01 – SunOS 5.10_x86: passwdutil Patch**

5007891 5096736

- **117466-01 – SunOS 5.10_x86: fwtmp Patch**

6180974

- **118344-11 – SunOS 5.10_x86: Fault Manager Patch**

5076562 5083131 6181364 6183842 6202015 6213277 6216286 6218246 6218463 6219101 6220169
6221584 6222529 6223178 6223348 6224293 6225875 6229087 6229583 6230033 6232253 6232309
6237801 6240456 6244989 6254303 6255593 6256371 6264225 6265569 6266851 6267828 6272568
6273144 6276462 6278369 6278378 6281100 6281113 6282049 6284455 6286625 6295417 6298484
6298972 6298974 6298981 6305465 6307994 6309430 6310438 6313638 6313668 6313670 6314073
6320584 6321736 6322672 6322749 6323319 6323322 6323393 6323532 6323554 6326958 6328144
6331093 6332245 6332630 6333184 6333617 6335522 6335549 6336193 6338081 6338653 6342066
6342823 6342977 6346926 6354842 6356155 6359264 6359850 6363503 6365335 6365742 6365743
6366758 6366821 6366825 6367031 6367044 6367046 6367047 6367049 6367051 6367053 6367057
6367061 6367063 6367067 6367068 6367069 6367070 6367073 6367075 6367222 6367985 6368526
6368690 6369961 6370284 6370798 6370802 6371490 6372151 6373071 6376283 6377319 6377640
6377690 6378297 6378676 6379498 6381022 6383188 6384565 6384727 6385004 6385007 6385479
6385516 6388986 6389646 6389650 6390114 6390119 6390205 6390232 6390296 6390617 6390709
6391117 6391121 6391774 6392166 6392223 6392467 6393356 6393362 6395385 6397762 6397830
6398161 6413110

- **118347-04 – SunOS 5.10_x86: libnsl Patch**

4419428 5076562 5083131 5106725 6181364 6183842 6202015 6216286 6219101 6220169 6221584
6222529 6223178 6229087 6229583 6230033 6232253 6232309 6237669 6237801 6243604 6255593
6264225 6265569 6266851 6267828 6272568 6281100 6281113 6282049 6284455 6286625 6295417
6298484 6298972 6298974 6298981 6305465 6307994 6309430 6310438 6313638 6313668 6313670
6314073 6322672 6323319 6323322 6323393 6323554 6328144 6331093 6332245 6333184 6333617
6335522 6335549 6342823 6342977 6346926 6354842 6356155 6359264 6359850 6363503 6365335
6365742 6365743 6366758 6366821 6366825 6367031 6367044 6367046 6367047 6367049 6367051
6367053 6367057 6367061 6367063 6367067 6367068 6367069 6367070 6367073 6367075 6367222
6367985 6368526 6368690 6369961 6370284 6370798 6370802 6371490 6372151 6373071 6376283
6377319 6377640 6378297 6378676 6379498 6381022 6383188 6384565 6384727 6385004 6385007
6385479 6385516 6388986 6389646 6389650 6390114 6390119 6390205 6390232 6390296 6390617
6390709 6391117 6391121 6391774 6392166 6392223 6392467 6393356 6393362 6395385 6397762
6397830 6398161

- **118368-03 – SunOS 5.10_x86: csh Patch**

6209912 6282038 6307905 6311438 6314637 6336149

- **118372-07 – SunOS 5.10_x86: elfsign Patch**

4987141 5019131 5057756 5099921 6196062 6214106 6214824 6216464 6218014 6218030 6220136
6221396 6222046 6222935 6238177 6238962 6239551 6258804 6258976 6259973 6265403 6268124
6282641 6283570 6301500 6317027 6326584 6331159 6333693 6340770 6347364 6348585 6367959

- **118374-01 – SunOS 5.10_x86: mpstat Patch**

6223353

- **118561-01 – SunOS 5.10_x86: patch usr/bin/telnet**

6234932

■ **118567-01 – SunOS 5.10_x86: ping Command Patch**

6222209

■ **118668-05 – J2SE 5.0_x86 update 6 patch**

4263904 4976239 4986256 5043245 5047307 5053844 5062222 5068014 5073778 5083062 5092063
5101898 5104215 6173783 6174229 6177732 6182812 6195469 6197534 6197726 6204620 6206166
6206441 6206933 6208022 6215625 6231602 6232820 6232954 6233622 6237688 6239400 6240876
6241823 6248507 6251458 6253848 6254441 6256473 6257260 6258466 6260834 6262235 6262572
6263272 6264252 6267224 6267930 6269555 6271298 6281384 6282084 6282891 6283270 6283361
6285301 6286011 6286189 6287191 6287601 6291034 6294558 6295680 6296125 6296410 6298940
6301771 6302769 6302904 6304225 6304650 6305546 6305653 6307455 6310737 6310858 6311255
6313317 6315358 6317122 6317178 6317278 6322521 6322568 6325315 6325748 5060628 6201802
6259137 6305157 6311051 6322301 6325504 6329042 6331269 6332350 6337834 6338436 6338891
6340079 6340202 6342738 6343024 6287164 6343111 6344735 6346725 6347132 6348045 4521075
4855860 4868278 4896773 5039416 5045217 5070081 5077603 5086160 5086424 5089317 5109224
6180936 6183734 6186280 6190413 6192376 6207824 6209695 6212440 6214543 6217210 6223265
6224811 6226827 6229389 6231029 6232485 6233005 6235633 6240755 6245809 6250214 6250749
6251460 6255285 6255949 6257124 6257182 6258006 6259991 6263814 6264872 6268365 6269854
6272715 6274390 6278597 6279126 6283161 6286864 6296218 6306172 4207472 4305459 4881314
4964339 4975824 5003235 5044738 5053272 5055567 5067517 5074396 5076514 5077866 5078280
5079751 5083441 5087208 5088035 5092850 5095117 5097015 5097241 5101391 5102490 5109602
6174596 6176318 6176814 6178395 6186747 6191542 6192422 6194668 6195301 6196089 6198522
6200138 6203233 6203483 6204669 6205422 6210088 6211480 6213128 6214132 6218454 6218682
6218987 6220064 6222034 6223691 6224591 6225440 6225605 6226269 6227033 6227583 6228585
6231186 6231936 6232039 6232513 6232607 6233169 6234804 6237349 6237552 6237654 6240586
6241743 6243108 6243400 6244063 6250286 6250517 6252770 6254466 6255782 6256476 6256477
6256728 6258508 6258681 6259113 6261269 6261304 6261558 6261980 6263857 6268145 6268876
6273094 6273975 6277246 6277266 6277315 6277659 6278491 4548788 4656461 4897333 4924758
4949631 4984794 4994329 5017051 5023873 5024379 5056403 5075526 5075546 5080386 5082319
5089985 5092094 5100483 5101128 5104960 5105765 6173972 6180194 6181598 6181784 6182685
6189106 6189594 6195099 6206216 6206839 6207079 6207830 6208366 6208545 6208676 6208712
6208965 6209095 6209342 6209737 6210227 6213461 6213473 6215109 6215480 6215746 6218309
6219491 6219495 6221549 6222350 6224405 6226589 6227551 6227874 6228205 6229377 6229965
6231054 6231145 6231216 6232417 6232636 6233573 6234174 6234219 6234909 6237671 6238128
6247771 6250165 6250473 6261499 6261509 6261510 4388541 4684153 4845692 4911491 4915324
4974531 4980122 4987923 5003402 5023243 5037521 5038903 5051880 5054010 5058132 5058463
5062118 5064088 5070730 5073407 5074530 5074836 5079429 5079729 5079742 5084004 5084812
5086089 5087395 5087826 5088701 5088703 5089312 5089429 5090555 5090643 5091805 5092058
5094112 5094138 5094505 5097131 5097939 5099360 5102082 5103449 5104239 5105410 5105917
5105918 5106044 5107852 5108694 5110117 6175601 6177059 6178366 6179014 6179233 6182630
6183297 6184225 6184713 6184715 6184718 6185342 6185483 6186650 6188839 6188959 6188963
6189072 6189657 6189687 6190277 6190713 6190873 6190987 6191064 6192124 6192223 6192448
6192845 6192907 6192944 6193821 6194024 6194838 6195181 6195632 6195718 6197664 6198632
6199000 6199899 6200343 6200960 6201185 6201302 6201464 6201644 6201884 6201952 6202061
6203504 6205320 6205321 6205414 6205494 6206764 6207138 6207322 6209613 6210721 6211220

6212165 6214159 6214166 6214369 6214784 6215407 6216277 6219639 6220829 6221563 6222071
6222449 6224433 6224438 6225348 6233287 6219668

■ **118669-05 – J2SE 5.0_x86 update 6 patch, 64bit**

4263904 4976239 4986256 5043245 5047307 5053844 5062222 5068014 5073778 5083062 5092063
5101898 5104215 6173783 6174229 6177732 6182812 6195469 6197534 6197726 6204620 6206166
6206441 6206933 6208022 6215625 6231602 6232820 6232954 6233622 6237688 6239400 6240876
6241823 6248507 6251458 6253848 6254441 6256473 6257260 6258466 6260834 6262235 6262572
6263272 6264252 6267224 6267930 6269555 6271298 6281384 6282084 6282891 6283270 6283361
6285301 6286011 6286189 6287191 6287601 6291034 6294558 6295680 6296125 6296410 6298940
6301771 6302769 6302904 6304225 6304650 6305546 6305653 6307455 6310737 6310858 6311255
6313317 6315358 6317122 6317178 6317278 6322521 6322568 6325315 6325748 5060628 6201802
6259137 6305157 6311051 6322301 6325504 6329042 6331269 6332350 6337834 6338436 6338891
6340079 6340202 6342738 6343024 6287164 6343111 6344735 6346725 6347132 6348045 4521075
4855860 4868278 4896773 5039416 5045217 5070081 5077603 5086160 5086424 5089317 5109224
6180936 6183734 6186280 6190413 6192376 6207824 6209695 6212440 6214543 6217210 6223265
6224811 6226827 6229389 6231029 6232485 6233005 6235633 6240755 6245809 6250214 6250749
6251460 6255285 6255949 6257124 6257182 6258006 6259991 6263814 6264872 6268365 6269854
6272715 6274390 6278597 6279126 6283161 6286864 6296218 6306172 4207472 4305459 4881314
4964339 4975824 5003235 5044738 5053272 5055567 5067517 5074396 5076514 5077866 5078280
5079751 5083441 5087208 5088035 5092850 5095117 5097015 5097241 5101391 5102490 5109602
6174596 6176318 6176814 6178395 6186747 6191542 6192422 6194668 6195301 6196089 6198522
6200138 6203233 6203483 6204669 6205422 6210088 6211480 6213128 6214132 6218454 6218682
6218987 6220064 6222034 6223691 6224591 6225440 6225605 6226269 6227033 6227583 6228585
6231186 6231936 6232039 6232513 6232607 6233169 6234804 6237349 6237552 6237654 6240586
6241743 6243108 6243400 6244063 6250286 6250517 6252770 6254466 6255782 6256476 6256477
6256728 6258508 6258681 6259113 6261269 6261304 6261558 6261980 6263857 6268145 6268876
6273094 6273975 6277246 6277266 6277315 6277659 6278491 4548788 4656461 4897333 4924758
4949631 4984794 4994329 5017051 5023873 5024379 5056403 5075526 5075546 5080386 5082319
5089985 5092094 5100483 5101128 5104960 5105765 6173972 6180194 6181598 6181784 6182685
6189106 6189594 6195099 6206216 6206839 6207079 6207830 6208366 6208545 6208676 6208712
6208965 6209095 6209342 6209737 6210227 6213461 6213473 6215109 6215480 6215746 6218309
6219491 6219495 6221549 6222350 6224405 6226589 6227551 6227874 6228205 6229377 6229965
6231054 6231145 6231216 6232417 6232636 6233573 6234174 6234219 6234909 6237671 6238128
6247771 6250165 6250473 6261499 6261509 6261510 4388541 4684153 4845692 4911491 4915324
4974531 4980122 4987923 5003402 5023243 5037521 5038903 5051880 5054010 5058132 5058463
5062118 5064088 5070730 5073407 5074530 5074836 5079429 5079729 5079742 5084004 5084812
5086089 5087395 5087826 5088701 5088703 5089312 5089429 5090555 5090643 5091805 5092058
5094112 5094138 5094505 5097131 5097939 5099360 5102082 5103449 5104239 5105410 5105917
5105918 5106044 5107852 5108694 5110117 6175601 6177059 6178366 6179014 6179233 6182630
6183297 6184225 6184713 6184715 6184718 6185342 6185483 6186650 6188839 6188959 6188963
6189072 6189657 6189687 6190277 6190713 6190873 6190987 6191064 6192124 6192223 6192448
6192845 6192907 6192944 6193821 6194024 6194838 6195181 6195632 6195718 6197664 6198632
6199000 6199899 6200343 6200960 6201185 6201302 6201464 6201644 6201884 6201952 6202061
6203504 6205320 6205321 6205414 6205494 6206764 6207138 6207322 6209613 6210721 6211220
6212165 6214159 6214166 6214369 6214784 6215407 6216277 6219639 6220829 6221563 6222071
6222449 6224433 6224438 6225348 6233287 6219668

■ **118677-02 – SunOS 5.10_x86: patch for Solaris make and sccs utilities**

6208430 5037057

- **118732-01 – SunOS 5.10_x86: /usr/sbin/zonecfg patch**

6229724

- **118734-03 – SunOS 5.10_x86: patch libssagent.so.1 and libssasmp.so.1**

6227115 6228341 6275006 6277029

- **118736-01 – SunOS 5.10_x86: usr/sbin/rpc.nisd_resolv Patch**

6220055

- **118778-04 – SunOS 5.10_x86: Sun GigaSwift Ethernet 1.0 driver patch**

6266985 6255365 6277650 6273441 6223263 6238254 6261657 6251174 6279238 6266901 6218302
6280692 6304571 6216131 6255394 6214285 6310502 4722784 6356079 4770635 6358618 6358633
4763926 6341121

- **118816-03 – SunOS 5.10_x86: /usr/xpg4/bin/awk patch**

5074811 6195584 6320514 6368966

- **118825-01 – SunOS 5.10_x86: sort patch**

6178339

- **118844-30 – SunOS 5.10_x86: kernel Patch**

4117562 4256818 4387797 4471706 4636944 4638717 4712059 4745648 4763363 4782952 4818484
4849565 4872386 4892666 4913292 4921433 4927518 4931229 4954646 4954703 4972826 4995852
5005976 5007714 5007726 5013200 5017095 5029967 5031470 5039369 5041567 5067964 5070446
5071610 5073739 5076357 5076976 5081575 5082975 5084452 5085394 5085886 5090037 5090773
5091442 5095432 5099850 5102743 5106644 5106803 5108961 5110153 6174349 6175438 6178746
6179167 6182677 6182871 6183621 6184323 6186851 6187076 6189856 6190561 6193659 6194576
6195108 6196169 6198405 6198521 6198766 6198890 6198953 6199444 6200295 6200924 6200969
6201257 6203046 6203602 6203833 6204983 6204987 6205337 6206732 6207682 6207772 6207963
6208532 6208638 6208798 6209399 6209411 6209619 6210598 6210697 6210881 6210936 6211068
6211827 6211936 6212248 6212406 6212675 6212756 6212810 6213084 6213101 6213184 6213277
6213962 6214472 6214604 6214615 6215261 6215546 6216056 6216134 6216447 6217046 6217370
6217624 6217821 6218194 6218854 6219127 6219132 6219142 6219195 6219298 6219317 6219672
6220234 6220478 6220843 6221058 6221079 6221094 6221490 6221495 6221496 6221498 6222174
6222228 6222466 6222535 6223059 6223379 6223603 6223680 6223915 6224061 6224745 6224788
6224901 6224934 6225650 6226023 6226217 6226263 6226302 6226320 6226332 6226345 6226441
6226484 6226862 6226920 6226968 6227733 6227872 6227893 6228013 6228017 6228203
6228498 6228709 6229159 6229753 6230146 6230156 6230249 6230315 6230381 6230528 6230552
6230925 6230951 6231065 6231203 6231205 6231207 6231502 6232332 6232748 6232852 6232864
6233073 6233184 6233388 6233624 6233919 6234004 6234033 6234037 6234063 6234072 6234449
6234710 6235003 6235086 6236000 6236038 6236072 6236182 6236382 6236617 6236726 6236942
6237066 6237078 6237197 6237355 6237357 6237411 6237666 6237779 6237793 6237823 6238277
6238322 6238486 6238533 6238547 6238601 6238679 6238686 6239011 6239254 6239279 6239626

6239708 6239801 6240160 6240205 6240367 6240456 6240490 6240925 6241299 6241739 6242365
 6242612 6242764 6243341 6243444 6243456 6244431 6245378 6245760 6245953 6246138 6246787
 6246875 6247126 6247143 6247281 6247821 6247936 6248527 6248555 6248591 6249003 6249127
 6249703 6249712 6250374 6250382 6250386 6250493 6251625 6251659 6251754 6251862 6252809
 6252856 6253027 6253028 6253030 6253031 6253033 6253561 6253575 6253744 6253955 6254258
 6254303 6254433 6254741 6254835 6256212 6256254 6256312 6257150 6257657 6257772 6258738
 6259168 6259227 6259385 6259467 6260039 6260254 6261173 6261284 6261685 6262302 6263122
 6263338 6264443 6264469 6264473 6264487 6265068 6265086 6265087 6265088 6265090 6265094
 6265183 6265240 6265652 6266922 6267670 6267671 6267680 6267682 6267693 6267695 6267718
 6267731 6267778 6268152 6268387 6269064 6269100 6269246 6269285 6269465 6270528 6271650
 6271688 6271759 6272550 6272573 6272652 6272865 6272867 6273474 6273730 6274840 6274965
 6274969 6275414 6277017 6277084 6277108 6277224 6279506 6279932 6280390 6281150 6281281
 6281300 6282037 6282291 6282867 6282875 6282885 6283314 6283577 6284597 6284864 6285253
 6286341 6286414 6286536 6287250 6287398 6287550 6287766 6287771 6287776 6288246 6288873
 6289141 6290459 6290673 6291662 6291720 6291876 6291914 6292054 6292950 6293265 6293270
 6294464 6294490 6294727 6294867 6294902 6295986 6296526 6298780 6300960 6301076 6302948
 6303053 6303188 6303210 6303530 6304200 6304238 6304378 6304654 6304657 6304858 6306072
 6308352 6308356 6308380 6313259 6313410 6313609 6315002 6315667 6316468 6316758 6317091
 6317412 6317947 6318423 6319100 6319851 6319881 6321197 6321768 6322165 6322179 6322231
 6323272 6323525 6323886 6324745 6324927 6327017 6327762 6328286 6328296 6328310 6329593
 6330610 6330765 6330819 6332961 6333456 6333683 6333712 6334302 6336786 6341645 6342422
 6342770 6343544 6343824 6344065 6344138 6344639 6345009 6345010 6347545 6347726 6347918
 6348423 6348618 6348808 6349172 6350363 6351482 6352141 6352917 6352926 6355002 6356171
 6357153 6359001 6359179 6360218 6364043 6366109 6370160 6376993

■ 118855-14 – SunOS 5.10_x86: kernel patch

4063945 4108775 4352289 4471706 4511681 4621371 4638717 4644326 4670406 4691277 4699148
 4739176 4796051 4799697 4845958 4852369 4855218 4880976 4886293 4898397 4905227 4908967
 4915681 4928000 4931229 4932869 4938301 4939546 4951608 4954703 4957830 5004247 5004701
 5010267 5019542 5023079 5023670 5034470 5042195 5042855 5042924 5047630 5052723 5058075
 5061331 5062435 5067964 5076562 5080443 5083131 5083133 5084073 5084421 5085739 5090022
 5096886 5099806 5099855 5102894 5105010 5105717 6180557 6181364 6183842 6192523 6194015
 6195171 6196844 6196850 6196861 6197460 6198351 6198523 6198614 6199406 6200071 6200896
 6201076 6201142 6201425 6201431 6202015 6202573 6203341 6203470 6203517 6203547 6203680
 6204546 6207840 6207842 6208532 6209350 6209502 6210668 6210716 6210936 6212406 6212797
 6213398 6213418 6213463 6213486 6213551 6213631 6213868 6214108 6214604 6214620 6214687
 6214698 6214721 6214834 6214946 6215000 6215065 6215218 6215444 6216134 6216286 6216470
 6217001 6217870 6218082 6218329 6219101 6219132 6219142 6219178 6219317 6219389 6219538
 6219651 6219672 6219812 6219928 6220069 6220169 6220217 6220441 6220619 6221306 6221581
 6221584 6221845 6222525 6222529 6223178 6223331 6223375 6223563 6223569 6223572 6223580
 6223583 6224221 6224685 6225262 6225780 6225908 6226206 6226426 6226445 6226484 6226756
 6226862 6227074 6227237 6227895 6228017 6228472 6228610 6228709 6228871 6228874 6229034
 6229087 6229583 6229754 6230033 6230117 6230133 6230146 6230552 6231288 6231461 6232253
 6232301 6232309 6232414 6232422 6232586 6232859 6232908 6233064 6233624 6234108 6234157
 6234227 6234363 6234486 6234506 6234594 6234710 6234904 6235000 6235370 6236253 6236513
 6236594 6236942 6237078 6237149 6237196 6237197 6237355 6237357 6237411 6237585 6237801
 6238276 6238277 6238679 6238686 6239625 6239671 6239895 6239984 6240160 6240342 6240363
 6240663 6240956 6241995 6243444 6244328 6244897 6245233 6245378 6245953 6246111 6246138

6247310 6248250 6249135 6249138 6249580 6250131 6250211 6250256 6250345 6251636 6251722
6251754 6251798 6252155 6252197 6252550 6252555 6252787 6253388 6253744 6254364 6254876
6255593 6255855 6255872 6256056 6256157 6256272 6256312 6256372 6256554 6256813 6256824
6257150 6257177 6257280 6257917 6258024 6258834 6259552 6259731 6260210 6260355 6260361
6260567 6260568 6260679 6260780 6261642 6261643 6261803 6261853 6261946 6261990 6262249
6262297 6262304 6262347 6262353 6262573 6262789 6262957 6262959 6263065 6263070 6263194
6264169 6264225 6264845 6264903 6265027 6265425 6265542 6265569 6266261 6266836 6266851
6267352 6267684 6267828 6268693 6268697 6268846 6269064 6269525 6270398 6270452 6270710
6270748 6271314 6271323 6271626 6271814 6271950 6272461 6272563 6272568 6272588 6272599
6272602 6272865 6273316 6273373 6273374 6273456 6273855 6273864 6273875 6274712 6274882
6274894 6274899 6275398 6275431 6275585 6275597 6276036 6276905 6277961 6279001 6279317
6279871 6280143 6280180 6280459 6280467 6281100 6281113 6281147 6281836 6281885 6282049
6282340 6282389 6282392 6282776 6282991 6283601 6283655 6284239 6284455 6284941 6284968
6286625 6286705 6287422 6288090 6288756 6289318 6289440 6289503 6290157 6290383 6290542
6290652 6290788 6290877 6290936 6291263 6291309 6291547 6292076 6292943 6293332 6293434
6294681 6295417 6295539 6295971 6296379 6296681 6297503 6297523 6298484 6298543 6298972
6298974 6298981 6299049 6299476 6299525 6299894 6300267 6301218 6301274 6301815 6301944
6302167 6303398 6303593 6303662 6303761 6303973 6304890 6304902 6304904 6305207 6305465
6305935 6306150 6306529 6306717 6306768 6306925 6307994 6308117 6308155 6309061 6309309
6309430 6309515 6309525 6310438 6310736 6311025 6311460 6311865 6312354 6312508 6313638
6313668 6313670 6313929 6314073 6314115 6314455 6314504 6314627 6314743 6315921 6316452
6316463 6316748 6318183 6318306 6318401 6321149 6321383 6321607 6322005 6322205 6322672
6322770 6322966 6323319 6323322 6323393 6323554 6323732 6324019 6324138 6324589 6324793
6325175 6325213 6325893 6326077 6326078 6326187 6326272 6326505 6326531 6326533 6326547
6326583 6326737 6326764 6326981 6327336 6327693 6327929 6328144 6328230 6328296 6328317
6328449 6328958 6329568 6329696 6329796 6330278 6330766 6330830 6331060 6331093 6331880
6331883 6332057 6332245 6332260 6332352 6332630 6332693 6332874 6332942 6332948 6332983
6333184 6333195 6333242 6333461 6333506 6333617 6333763 6333880 6333936 6334510 6334799
6334921 6335370 6335392 6335522 6335549 6335611 6336163 6336322 6336467 6336945 6337073
6337131 6337136 6337341 6337437 6337636 6338046 6338081 6338131 6338316 6338386 6338401
6338634 6338653 6339177 6339319 6339376 6339377 6339731 6339777 6339808 6339812 6339847
6339942 6340699 6340735 6340766 6340778 6340900 6341003 6341189 6341429 6341664 6342066
6342630 6342823 6342824 6342966 6342977 6343017 6343199 6343344 6343446 6344186 6344261
6344290 6344317 6344977 6345359 6345690 6346183 6346204 6346270 6346500 6346582 6346769
6346926 6347166 6347453 6348147 6348244 6348316 6348407 6348751 6349142 6349232 6349487
6350098 6350389 6350407 6350416 6350499 6350501 6350643 6350831 6351165 6351378 6351973
6352347 6352490 6352865 6353217 6353359 6353529 6354381 6354441 6354461 6354597 6354619
6354621 6354842 6354997 6355260 6355609 6355634 6355638 6355679 6355683 6355938 6356155
6356620 6356925 6357424 6357796 6358025 6358194 6358242 6359179 6359264 6359850 6360218
6360419 6360864 6361052 6361071 6361204 6361231 6361360 6361577 6362304 6362390 6362558
6362641 6362711 6363028 6363031 6363503 6363618 6364052 6364242 6365335 6365742 6365743
6366207 6366260 6366442 6366758 6366821 6366825 6366883 6367031 6367044 6367046 6367047
6367049 6367051 6367053 6367057 6367061 6367063 6367067 6367068 6367069 6367070 6367073
6367075 6367222 6367349 6367490 6367520 6367660 6367985 6368142 6368526 6368593 6368690
6369794 6369961 6370284 6370798 6370802 6371490 6371677 6372009 6372151 6372239 6372436
6373071 6373268 6373609 6374127 6374407 6376283 6376967 6376992 6377034 6377085 6377319
6377502 6377507 6377640 6377680 6378297 6378652 6378676 6378797 6379385 6379498 6379909
6380739 6380908 6381022 6381344 6381715 6382016 6383013 6383188 6383623 6383670 6383879

6384565 6384727 6385004 6385007 6385420 6385479 6385516 6386744 6387618 6388096 6388273
 6388856 6388986 6389326 6389545 6389621 6389646 6389650 6390114 6390119 6390205 6390232
 6390296 6390617 6390709 6391117 6391121 6391774 6392166 6392223 6392467 6393356 6393362
 6393434 6394140 6394321 6394636 6395385 6396507 6397251 6397267 6397308 6397649 6397762
 6397830 6397876 6398012 6398161 6398887 6399242 6399701 6399918 6399930 6401243 6402576
 6405662 6406561 6407328 6407635 6410698 6410781 6413100 6418368 6418634 6419167 6419332
 6420136 6421970 6424093 6424180 6426194 6427081 6427755 6428839 6429440 6429984

- **118871-01 – SunOS 5.10_x86: nss_ldap patch**

6230927

- **118873-02 – SunOS 5.10_x86: ksh patch**

6208198 6261715

- **118880-01 – SunOS 5.10_x86: dhcp daemon patch**

4932150

- **118885-01 – SunOS 5.10_x86: atomic.h patch**

4954703

- **118891-02 – SunOS 5.10_x86: llib-lc patch**

4954703 5004247

- **118919-16 – SunOS 5.10_x86: Solaris Crypto Framework patch**

4691624 4721729 4920408 4926742 5039273 5059459 5059461 5067502 5072858 5100567 6181926
 6195428 6195934 6197268 6197284 6198116 6199119 6200215 6204887 6211857 6215509 6215816
 6216772 6217866 6220814 6222467 6223863 6223866 6223869 6228384 6231739 6231978 6250168
 6250963 6252894 6253484 6262344 6264344 6264379 6274680 6276483 6276609 6278459 6280574
 6286372 6287425 6288840 6296920 6314217 6331488 6332420 6332630 6336131 6338653 6342066
 6342468 6345493 6347073 6352877 6355571 6355597 6357426 6359179 6360218 6368332 6372169
 6372587 6376993 6405871 6408419 6401115

- **118960-02 – SunOS 5.10_x86: patch usr/bin/acctcom and usr/bin/lastcomm**

5040580 6200474 6227221

- **118966-21 – X11 6.8.0_x86: Xorg patch**

6210823 6219349 6221637 6221655 6227952 6227475 6251506 6198604 6219169 6241320 6212502
 6251042 6264498 6275666 6279968 6252544 6277477 6207005 6316438 6307303 6278337 6335783
 6339315 6311410 6338085 6321613 6366603 6326551 6202893 6348263 6340188 6243535 6306884
 6306888 6306926 6315321 6377982 6379980 6370961 6245431 6396593 6399227 6398409 6416841
 6376708 6421514

- **118997-08 – SunOS 5.10_x86: format patch**

4670406 4855218 4934259 4968226 5090022 6194015 6194723 6203470 6209502 6265652 6275431
6300267 6326547 6334882 6335611 6338653 6340778 6349487 6421970

- **119043-09 – SunOS 5.10_x86: patch usr/sbin/svccfg**

6197520 6217410 6221374 6222202 6231947 6251841 6265652 6287888 6296112 6299709 6351779
6355665 6367481 6397719

- **119060-12 – X11 6.6.2_x86: Xsun patch**

6219932 6219947 5016163 6224159 6276115 6212502 6228875 6219170 6248445 6265634 4751462
6226733 6248453 6247062 6248417 6216985 6269938 6226717 6265045 6280222 6297797 6278131
6279680 6270914 6316436 6227843 6326551 6265414 6347707 6378204 6361567 6376462 6383556
6255133

- **119062-01 – X11 6.8.0_x86: font patch**

6206898

- **119064-01 – SunOS 5.10_x86: libXpm patch**

6231515 6241936

- **119066-01 – SunOS 5.10_x86: fc-cache patch**

6205323

- **119074-03 – SunOS 5.10_x86: ldapclient patch**

6217454 6228760 6265652

- **119078-08 – SunOS 5.10_x86: SPECIAL PATCH: For EDITABLE Files**

4691624 6194576 6199119 6210936 6212675 6213084 6215509 6229753 6233613 6238277 6249025
6286536

- **119080-12 – SunOS 5.10_x86: SPECIAL PATCH: For Script Files**

4691624 4915974 6199119 6207842 6210697 6212675 6213084 6215509 6221079 6223059 6226968
6229753 6233613 6234157 6237500 6238277 6242365 6243456 6252550 6273106 6324123 6326533
6231947 6251841 6222202 6217410 6344138

- **119082-20 – SunOS 5.10_x86: CD-ROM Install Boot Image Patch**

4393815 4649122 4692667 4713660 4716085 4719125 4789211 4947796 5009917 5047412 5064512
6178185 6198783 6215847 6215918 6218158 6221702 6222925 6252385 6252388 6254694 6288726
6290082 6297948 6301206 6313099 6314149 6319439 6320965 6323208 6323511 6324105 6325862
6329642 6331510 6332093 6332722 6336267 6340354 6341482 6342039 6343072 6344771 6345658
6347051 6349235 6350819 6351213 6354062 6355905 6364583 6367162 6369598 6372101 6374024
6376794 6377131 6390503 6422730 6425215 6425221 6426207

- **119089-06 – SunOS 5.10_x86: SPECIAL PATCH: qlc Script Patch to replace package scripts**

6210934 6236343 6292280 6292987 6303297 6320936

■ **119091-19 – SunOS 5.10_x86: Sun iSCSI Device Driver and Utilities**

5094124 5094370 6173739 6173912 6186291 6204742 6206029 6206568 6207172 6207973 6208490
 6211472 6211499 6211560 6211924 6212031 6212320 6213484 6213487 6213490 6213516 6214405
 6214546 6215262 6216983 6218751 6219608 6220407 6220773 6221284 6221432 6221880 6222630
 6224359 6224866 6226740 6226933 6228489 6230319 6231086 6231706 6233206 6233384 6235292
 6236260 6236271 6236375 6239078 6239185 6239207 6240818 6240849 6240911 6241611 6242847
 6244250 6244358 6245161 6247445 6249424 6249509 6250036 6251575 6254172 6254222 6255629
 6257030 6258672 6259522 6259737 6261483 6261560 6261627 6261669 6262279 6262413 6263279
 6263322 6263646 6267539 6267543 6268840 6268934 6271727 6274744 6275410 6276026 6278190
 6280621 6282455 6282646 6282686 6284875 6285462 6287318 6288103 6290500 6292453 6293219
 6296381 6296407 6296971 6297371 6297390 6298546 6299456 6300099 6300259 6303184 6304963
 6306146 6311820 6314187 6314196 6338487 6340791 6341375 6343904 6344551 6348170 6354973
 6357322 6358044 6361861 6368415 6370257 6371828 6374756 6375178 6375740 6376509 6377558
 6378143 6378566 6379890 6380321 6380424 6381723 6382994 6383806 6388390 6390196 6390387
 6391839 6412468

■ **119093-07 – SunOS 5.10_x86: SPECIAL PATCH: iSCSI Script Patch to replace package scripts**

5094124 6207973 6213487 6239078 6251575 6380424 6418007

■ **119116-17 – Mozilla 1.7_x86 patch**

6177442 6221725 6211632 6192644 6200999 6200994 5077554 6200990 6202289 6224482 6225441
 6228782 6216830 6224900 6234566 6245856 6247811 6247837 6247838 6247849 6248466 6248468
 6248516 6248547 6248557 6248594 6248613 6249777 6249778 6255667 6248548 6249776 6259266
 6259860 6259866 6259873 6259902 6260571 6260573 6269887 6261013 6281357 6271958 5015369
 6251128 6267169 6281360 6282170 6282190 6284465 6287117 6258444 6297209 6297215 6297218
 6297219 6297231 6191277 6200696 6200705 6282893 6297174 6297242 6317624 6318009 6334587
 6334619 6339970 6249857 6254398 6352958 6360106 6369969

■ **119118-17 – Evolution 1.4.6_x86 patch**

6204976 6201742 6218068 6182553 6206223 6216041 6231010 6222258 6251188 6262120 6272983
 6249871 6259214 6253417 6279337 6297294 6299994 6303111 6182358 6198500 6206245 6221676
 6300019 5099374 5106735 6306915 6226019 6312129 6321792 6323770 6335859 6306791 6305171
 6210993 6221680 6211080 6301782 6330472 6330479 4992018 6335855 6346038 6349674 5054558
 6350965 6342113 6336425 6367678 6369109 6381422 6380083 6300007 6354689 6375476 6376155
 6389050 6369082

■ **119131-20 – SunOS 5.10_x86: Sun Fibre Channel Device Drivers**

4368092 4792071 4961555 4976582 4998402 5077933 5091773 6198588 6205269 6207101 6207184
 6207845 6210934 6214931 6215726 6216326 6216743 6221242 6225769 6227340 6227562 6233352
 6233800 6235327 6235886 6238787 6250038 6254848 6258722 6260549 6261607 6270092 6276354
 6279071 6279108 6283597 6286318 6288500 6288908 6290618 6292280 6292446 6292987 6295169
 6296383 6298259 6298288 6306254 6311175 6311314 6313089 6316063 6317420 6319731 6320936
 6323973 6325525 6326293 6328146 6328827 6329995 6331949 6337290 6341027 6342934 6343904

6344143 6345310 6346519 6349983 6350809 6355378 6360849 6361031 6373288 6378371 6379312
6379866 6380370 6386247 6390139 6390807 6399058

▪ **119144-02 – SunOS 5.10_x86: patch lib/libinetutil.so.1**

6220609 6265652

▪ **119202-12 – SunOS 5.10_x86: OS Localization message patch**

6232516 6218356 6210085 6209742 6237404 6255735 6278006 6270754 6284429 6305523 6309435
6336898 6375499

▪ **119214-07 – NSS_NSPR_JSS 3.11_x86: NSPR 4.6.1 / NSS 3.11 / JSS 4.2**

6237228 6237231 6243892 6243894 6243895 5045171 6243896 6243900 6243905 6243907 6243909
6243913 6243915 6243916 6243918 6250799 6250801 6250802 6250803 6250807 6250808 6250812
6250814 6250816 6251104 6258052 6258053 6258055 6258056 6258057 6258061 6258062 6258064
6258066 6260111 6260658 6302177 6333604 6326988 6326994 6326998 6327000 6327002 6242112
6327004 6327009 6327013 6253118 6327014 6327018 2122026 6327020 6327021 6315463 6341685
6341687 6264996 6330310 6350173 6359866 6362932 6210080

▪ **119247-15 – SunOS 5.10_x86: Manual Page updates for Solaris 10**

4918616 6260536 6361909 6388875 6399169 6400540 6402326 6403818 6410372 6410607 6410629
6413329 5074864 6227556 6241231 6297480 6357814 6367083 6368344 6377211 6390674 6399720
6401869 6405191 5000242 5048768 6248370 6251550 6264241 6265527 6273549 6309942 6309950
6309954 6309959 6309966 6335374 6360471 6369297 6378785 6378792 6378795 6378798 6387596
6389748 6392088 6392094 6394580 6395226 6395794 6396295 6397873 6398254 6398715 6401571
6202570 6213474 6230447 6248553 6278103 6282636 6324208 6336865 6337579 6338117 6339732
6341066 6341867 6342730 6342739 6343592 6344010 6348739 6350275 6358301 6380325 6385850
6386135 6387327 6389147 6389721 6389863 6391131 6394491 6394575 4901741 5010904 5046150
5057188 5079401 6198346 6206711 6222499 6224791 6228270 6237890 6268924 6291156 6296648
6305677 6314222 6326636 6329967 6333670 6338414 6338426 6338428 6338435 6340085 6340800
6340921 6341018 6341603 6341728 6342497 6342919 6345681 6345917 6345921 6346244 6346881
6347426 6348073 6348185 6348236 6349474 6349904 6350722 6350982 6353408 6353413 6353415
6353927 6354469 6355110 6355449 6357973 6358663 6359325 6359338 6359342 6360329 6362109
6366627 6366665 6369177 6370094 6370876 6372481 6372487 6374108 6374650 6375299 6375473
6375593 6376576 6379147 6382231 6382311 6382966 6383180 6384009 6384027 6384095 6237607
6238503 6264591 6291976 6328991 6335997 6337445 6339859 6341814 6341845 6343184 4754411
6211237 6226954 6231497 6232483 6237082 6259813 6290845 6294809 6294811 6294812 6296740
6297786 6301361 6306533 6308447 6309398 6319339 6324864 6328540 6328541 6329060 6330016
6330062 6330188 6330671 6331047 6331055 6331331 6331841 6332029 6332677 6337869 6338057
6339627 6204577 6221309 6241099 6242990 6248877 6255008 6258334 6258339 6286409 6288555
6309363 6313868 6317846 6318461 6320393 6321596 6322368 6322669 6322739 6322863 6323460
6323484 6324148 6324248 6324420 6324858 6325356 5032018 5044715 6213568 6219083 6227560
6227561 6239801 6240066 6266903 6270406 6284937 6291991 6293104 6298241 6300498 6300514
6301501 6302861 6303663 6304180 6305130 6305702 6305923 6306228 6306246 6306391 6306499
6309411 6310305 6312151 6316296 2123343 2123344 2125584 5107445 6176645 6192812 6218160
6219867 6229028 6231508 6236743 6239205 6247514 6248484 6249686 6249689 6249985 6259275
6275178 6280439 6281184 6289748 6289985 6291968 6292324 6293276 6293905 6293994 6295135

6295164 6295455 6295501 6295606 6295883 6295885 6295972 6298238 6299871 6301701 6302598
6175259 6186292 6213557 6219322 6244794 6247949 6256977 6259276 6267730 6268875 6274065
6275116 6275182 6275486 6276860 6277917 6278481 6279864 6279996 6178430 6199201 6215789
6227520 6242411 6242412 6245230 6247046 6248312 6249005 6249691 6259032 6259382 6260165
6261039 6261047 6262466 6263124 6266052 6266054 6266570 6267911 6270039 6270071 6271056
6274141 2123236 5087622 6190827 6196727 6209285 6218778 6222501 6225497 6235402 6241181
6247652 6251475 6252447 6253481 6256136 5090875 6207391 6212233 6217156 6217716 6222749
6227376 6242519 6242876 6243333 6244894 6245209 6245842 6246422 6247757 6250396 6250515
2122825 2122940 5008956 5038387 5043371 5046429 5069521 5095891 5096574 5104556 5108949
6182303 6193595 6194741 6195276 6195547 6198061 6200093 6201988 6202122 6205275 6208084
6209281 6210273 6211790 6211903 6212029 6212232 6212654 6212836 6213475 6213502 6213507
6213536 6214276 6214973 6215139 6215474 6215475 6216789 6216851 6217406 6218320 6218842
6218986 6219657 6219660 6219661 6219671 6220014 6220161 6220729 6220859 6221541 6221589
6221625 6221733 6221891 6222153 6222369 6222447 6222663 6222727 6223264 6223570 6224890
6225126 6225266 6225304 6225337 6225421 6225486 6225503 6225575 6225624 6225693 6229095
6229654 6229957 6230305 6230958 6231259 6231325 6231382 6231455 6231505 6231794 6232091
6233524 6233764 6233884 6233891 6233909 6234453 6235323 6236959 6236965 6237101 6237254
6237389 6237405 6237708 6237832 6237835 6238687 6240599 6240819 6241622 6243286

- **119253-12 – SunOS 5.10_x86: System Administration Applications Patch**

4358280 4592896 4649122 4692667 4698357 4760117 4921333 4952774 5009917 5101364 6179110
6198291 6211620 6221551 6252385 6252388 6265069 6278350 6298572 6311509

- **119255-24 – SunOS 5.10_x86: Install and Patch Utilities Patch**

4908553 4967419 4991875 5045607 6210622 6216195 6216798 6216809 6217206 6219176 6220578
6221954 6224740 6224767 6225041 6226770 6226930 6231818 6233011 6233738 6236231 6236796
6236855 6236866 6239875 6240894 6241052 6241431 6241944 6242607 6243480 6244125 6245446
6245715 6248984 6251452 6251466 6252385 6252388 6256515 6262677 6263190 6265069 6266241
6271791 6274438 6275530 6275557 6276148 6277096 6278325 6279485 6284610 6285073 6288746
6290368 6290429 6290432 6292233 6292269 6292275 6293397 6296187 6297336 6303564 6304174
6304176 6304222 6306319 6307548 6309013 6313848 6315157 6315316 6318864 6319430 6319570
6320238 6321376 6323208 6324392 6328091 6331277 6334066 6337009 6337644 6340114 6342245
6344531 6344916 6345121 6348813 6349319 6351408 6351428 6352966 6354346 6355320 6355604
6360157 6362706 6363226 6364817 6369639 6371040 6371745 6373045 6386697 6387091 6387771
6388931 6388959 6392825 6397413 6406934 6421944

- **119277-06 – S10_x86: Patch for Northern Europe Region locale issues**

2123566 6276095 6249315 6338196 6347707 6378124 6318932 6375175

- **119279-09 – CDE 1.6_x86: dtlogin patch**

5046689 6209544 6247943 6211096 6267572 6240729 6340843 6289158 6334517 6300285 6234179
6328101 6332653 6342881 6327614 6334271 6362895 4383440 6405883 6263134

- **119281-04 – CDE 1.6_x86: Runtime library patch for Solaris 10**

6209386 6255303 4750419 6262671 6241938

- **119283-01 – CDE1.6_x86: GNOME/CDE Menu for Solaris 10_x86**

6224922

- **119285-01 – CDE 1.6_x86: sdtwsinfo patch**

6215091

- **119287-01 – CDE 1.6_x86: dtterm libDtTerm patch**

6219941

- **119314-07 – SunOS 5.10_x86: WBEM Patch**

4872697 5006767 6183058 6212927 6235892 6252385 6252388 6255908 6265069 6389712

- **119316-05 – SunOS 5.10_x86: Solaris Management Applications Patch**

4418366 4770830 5080683 5092418 6192017 6196606 6327965

- **119318-01 – SunOS 5.10_x86: SVr4 Packaging Commands (usr) Patch**

6202830

- **119369-04 – GNOME 2.6.0_x86: Printing Technology Patch**

5083233 6200941 6263422 6231341 6305090 6347224

- **119373-02 – GNOME 2.6.0_x86: GNOME common development tools and libraries Patch**

6200654 6230101

- **119398-02 – S10_x86: Patch for North America Region locale issues**

2123566 6249315 6338196

- **119400-02 – S10_x86: Patch for Central American Region locale issues**

6255292 6249315 6338196

- **119402-05 – S10_x86: Patch for Western Europe Region locale issues**

2123566 6249315 6338196 6380900 6318932 6375175

- **119405-02 – 5.10_x86: Patch for South American Region locale issues**

2123562 6249315 6338196

- **119406-02 – 5.10_x86: Patch for Central European Region locale issues**

6222362 2123566 6249315 6338196 6336555

- **119408-05 – S10_x86: Patch for Eastern Europe Region locale issues**

2123563 2123564 6249315 6338196 6346843 6314583 4944311 6367674 6383002 6399124 6375175

- **119411-03 – GNOME 2.6.0_x86: Gnome Applets Patch**

6205402 6245563 6207273

- **119415-10 – GNOME 2.6.0_x86: Gnome Accessibility Libraries Patch**

6192805 6205225 6182499 6182502 6217152 6192693 6205004 6216843 6226723 6228329 6260441
6283137 6315241 4768049 6347858 6340516 6358227 6386230 6199929 6407595 6431039 6377106

- **119417-01 – GNOME 2.6.0_x86: Gnome Text-To-Speech Engine Patch**

6216843 6226723 6228329

- **119419-02 – GNOME 2.6.0_x86: Gnome On-screen Keyboard Patch**

5109895 6200712 6211656 6223576

- **119421-01 – SunOS 5.10_x86: Thai locale patch**

6235012

- **119471-05 – SunOS 5.10_x86: Sun Enterprise Network Array firmware and utilities**

5046910 5076769 6201060 6204512 6234959 6235886 6247521 6250956 6250957 6274205 6285969

- **119535-07 – SunOS 5.10_x86: Flash Archive Patch**

4947796 4956004 5031468 5081174 6216373 6225430 6256048 6267370 6301206 6306712 6322333
6330261 6382817

- **119539-04 – GNOME 2.6.0_x86: Window Manager Patch**

6200511 6182510 6227065 6204338

- **119541-04 – GNOME 2.6.0_x86: Gnome Dtlogin configuration Patch**

6197950 6248517 6214486 6206909

- **119545-03 – GNOME 2.6.0_x86: Gnome streaming media framework Patch**

6226060 6227666 6226597

- **119547-04 – APOC 1.1_x86: APOC Configuration Agent Patch**

6241546 6257229 6258281 6278047 6293945 6313943

- **119549-04 – GNOME 2.6.0_x86: Gnome Multi-protocol instant messaging client Patch**

6217610 4990149 6268932 6269430 6328008

- **119575-02 – SunOS 5.10_x86: su patch**

6213281 6219721 6219774 6243480

- **119594-01 – SunOS 5.10_x86: net-svc patch**

6196716

- **119599-05 – GNOME 2.6.0_x86: Gnome Screen Reader and Magnifier Patch**

6205770 6191352 6207171 5083128 6205765 6202337 6200573 6186020 5095976 6315934 6202897
6193299 6239339 6240135 6373775 6340786 6380184

- **119602-06 – SunOS 5.10_x86: Patch for European Region JDS messages**

6250683 6186577 6296998 6274401 6263015 6176784 4957762 6180730 6308186 4929548 6336423
6342833 6382651 6408317

- **119604-05 – SunOS 5.10_x86: Patch for Asian Region JDS messages**

6250683 6263015 6176784 4932571 6308186 4957762 6294274 6297892 6312176 6336423 6408317

- **119606-05 – SunOS 5.10_x86: Patch for Japanese Region JDS messages**

6250683 6263015 6176784 6308186 6336423 6408317

- **119649-01 – SunOS 5.10_x86: vlan driver patch**

5097913 6216827

- **119686-05 – SunOS 5.10_x86: lib/svc/bin/svc.startd Patch**

6202359 6222477 6223908 6225601 6231291 6248163 6262086

- **119704-05 – SunOS 5.10_x86: Patch for localeadm issues**

6293965 6192791 6286551 6189823 6252055 6249315 6338196 6339465 6350486 6384012 6390202
6412760

- **119713-04 – SunOS 5.10_x86: usr/sbin/in.routed Patch**

5096257 6227282 6231263 6302789 6309829 6318725 6331032

- **119758-02 – SunOS 5.10_x86: Samba patch**

5080288 5100732 6179361 6217228 6218964 6248115 6248953 6345488

- **119765-03 – SunOS 5.10_x86: ipmitool patch**

6209442 6266203 6266225 6344396

- **119767-02 – SunOs 5.10_x86: SunFreeware man pages patch**

6209442 6266203 6266225

- **119772-01 – SunOS 5.10_x86: Asian CCK locales patch**

6246438

- **119784-01 – SunOS 5.10_x86: bind patch**

6192028 6226796

- **119798-07 – SunOS 5.10_x86: CDE Localization message patch**
6259957 6299116 6279262 6309630 6375502 6345512 6382640 6395838 6402802
- **119811-02 – SunOS 5.10_x86: International Components for Unicode Patch**
4785261 6217550 6354379
- **119813-02 – X11 6.6.2_x86: Freetype patch**
6229445 6261066
- **119815-08 – SunOS 5.10_x86: OS Japanese manpages patch**
6262660 6261964 6317482 6373667 6396026
- **119825-01 – SunOS 5.10_x86: prstat patch**
6216522
- **119827-01 – SunOS 5.10_x86: libadm.so.1 Patch**
6197410
- **119853-03 – SunOS 5.10_x86: unix branding patch**
6226920 6236514 6236985 6264845
- **119891-03 – GNOME 2.6.0_x86: search tool Patch**
6253916 5072526 6234957
- **119893-01 – GNOME 2.6.0_x86: gimp Patch**
6209566
- **119901-02 – GNOME 2.6.0_x86: Gnome libtiff - library for reading and writing TIFF Patch**
6203747 6321957 6377231
- **119904-01 – Openwindows 3.7.3_x86: Xview Patch**
4459703
- **119907-04 – Gnome 2.6.0_x86: Virtual File System Framework patch**
5068327 6199955 6200485 6205707 6243455 6234855 6262830 6177074
- **119956-02 – CDE 1.6_x86: Tooltalk Runtime patch for Solaris 10**
6206423 6235250
- **119961-02 – SunOS 5.10_x86, x64, Patch for assembler**

6251717 6250279 6200917 5058413 6201130 6211433 6200463 6219243 6218032 6205808 6252350
6316356 6313008 6307995 6302163 6304577 6299462 6290635 6265210 6260465 6280973

- **119964-06 – SunOS 5.10_x86: Shared library patch for C++_x86**

6242459 6244128 6244223 6253345 6300352 6264451 6253807 6242145 6244286 6274396 6304703
6326163 6339010 6369719 6393170

- **119975-02 – SunOS 5.10_x86: fp plug-in for cfgadm**

6223856 6259488

- **119987-03 – SunOS 5.10_x86: clri patch**

4913439 6194015 6421970

- **119989-01 – SunOS 5.10_x86: sed patch**

4865669

- **120010-01 – SunOS 5.10_x86: rmformat patch**

5096891 6205014 6255670

- **120033-02 – SunOS 5.10_x86: libresolv.so.2 patch**

6205056 6392438

- **120037-03 – SunOS 5.10_x86: libldap patch**

4626861 6226776 6232564 6232579 6274517 6276525 6312173

- **120039-01 – SunOS 5.10_x86: sar patch**

6257191

- **120045-01 – SunOS 5.10_x86: psrset patch**

6248421

- **120047-01 – SunOS 5.10_x86: nfsmapid patch**

6243099 6268829 6276074

- **120051-02 – SunOS 5.10_x86: usermod patch**

6211845 6221091 6249813

- **120053-01 – SunOS 5.10_x86: pam unix cred library patch**

6281689

- **120063-01 – SunOS 5.10_x86: localedef Patch**

6274427 6287593

- **120065-01 – SunOS 5.10_x86: stdio_iso.h Patch**
 6266832
- **120069-01 – SunOS 5.10_x86: in.telnetd Patch**
 6246102
- **120086-01 – SunOS 5.10_x86: patch usr/sbin/in.ftpd**
 6239487
- **120095-06 – X11 6.6.2_x86: xscreensaver patch**
 6237901 6267306 6228023 6203951 4806728 4818062 6368558 6368607 6369021 6346056
- **120100-03 – APOC 1.1_x86: Sun Java(tm) Desktop System Configuration Shared Libraries**
 6265312 6278049 6293945
- **120102-01 – SunOS 5.10_x86: patch usr/lib/libsmmedia.so.1**
 6240296
- **120129-02 – SunOS 5.10_x86: patch usr/bin/xargs**
 6203159 6323628
- **120183-02 – SunOS 5.10_x86: Sun Fibre Channel Host Bus Adapter Library**
 6210435 6306254
- **120200-04 – SunOS 5.10_x86: sysidtool Patch**
 4716085 6194680 6220706 6239897 6268847
- **120202-03 – X11 6.8.0_x86: Xorg client libraries patch**
 6248315 6366603 6347707 6380000
- **120223-09 – SunOS 5.10_x86: Emulex-Sun LightPulse Fibre Channel Adapter driver**
 6248456 6248899 6252273 6252308 6252633 6252767 6264417 6273321 6273949 6275529 6276730
 6277406 6281068 6281270 6281938 6284688 6286283 6286352 6290648 6291133 6296689 6300078
 6301627 6314407 6323974 6325753 6329384 6329972 6331152 6333054 6333059 6336547 6339616
 6339679 6339682 6340896 6343904 6344012 6348810 6364395 6381360
- **120225-02 – SunOS 5.10_x86: SPECIAL PATCH: Emulex-Sun Fibre Channel Adapter driver**
 6267262 6325753 6333054 6333059 6340896
- **120236-01 – SunOS 5.10_x86: Live Upgrade Zones Support Patch**
 6275557

- **120273-06 – SunOS 5.10_x86 : SMA patch**

6191915 6243363 6243366 6244918 6247942 6298133 6314112 6347707 6349493 6349495 6349501
6367337 6368319 6420118 6430536

- **120275-02 – SunOS 5.10_x86: SPECIAL PATCH: For postinstall File**

6191915 6349501 6367337

- **120283-02 – GNOME 2.6.0_x86: Gnome CD Player Utility Patch**

5053909 6210011 6387160

- **120285-02 – GNOME 2.6.0_x86: GNOME CORBA ORB and component framework**

6235648 6238754 6295858

- **120287-02 – GNOME 2.6.0_x86: Gnome text editor Patch**

4937266 6355577 5092704 6347229

- **120289-02 – GNOME 2.6.0_x86: Gnome terminal Patch**

6241338 6242857 6303664

- **120293-01 – SunOS 5.10_x86 : mysql patch**

6258187

- **120295-01 – SunOS 5.10_x86 : mysql man patch**

6258187

- **120312-01 – SunOS 5.10_x86: FRESHBIT ONLY PATCH: For deletes file**

6178746

- **120313-01 – SunOS 5.10_x86: SPECIAL PATCH: For EDITABLE Files**

6286536

- **120314-01 – SunOS 5.10_x86: SPECIAL PATCH: For SCRIPT Files**

6286536

- **120330-02 – SunOS 5.10_x86: rexec patch**

6245588 6371429

- **120336-04 – SunOS 5.10_x86: Sun Update Connection Client Localization**

- **120345-01 – SunOS 5.10_x86: SPECIAL PATCH: Common Fibre Channel HBA API Library Script Patch**

6202863 6239116

- **120347-03 – SunOS 5.10_x86: Common Fibre Channel HBA API Library**
 6202863 6239116 6288908 6334772
- **120351-04 – SunOS 5.10_x86: Asian CCK locales patch**
 6279310 6285930 6347707
- **120411-10 – SunOS 5.10_x86: Internet/Intranet Input Method Framework patch**
 6362324
- **120413-04 – SunOS 5.10_x86: Simplified Chinese locale patch**
 6362324
- **120415-09 – SunOS 5.10_x86: Asian CCK locales patch**
 6362324
- **120417-04 – SunOS 5.10_x86: SPECIAL PATCH: class action scripts patch**
 6362324 6399243 6415636
- **120451-01 – SunOS 5.10_x86: Get netmask Utility Patch**
 4218092
- **120453-01 – SunOS 5.10_x86: SPECIAL PATCH: For editable files only**
 5006767
- **120455-01 – GNOME 2.6.0_x86: Gnome Apoc GConf Adapter Patch**
 6281517
- **120457-01 – GNOME 2.6.0_x86: Gnome image viewer Patch**
 6288517
- **120459-01 – GNOME 2.6.0_x86: Gnome configuration Patch**
 6293945
- **120461-07 – GNOME 2.6.0_x86: Gnome libs Patch**
 6242857 5087948 5088844 6216594 6306889 6301837 6231341 6305090 6347224 6348450 6394047
- **120468-04 – SunOS 5.10_x86: LP patch**
 4997994 5065608 5096624 6208058 6260526 6289134 6314243 6314245
- **120474-01 – SunOS 5.10_x86: nss_compat patch**
 5097644

- **120536-11 – SunOS 5.10_x86: Updated video drivers and fixes**

5079292 6190517 6251584 6252425 6276981 6277468 6290163 6290213 6299315 6311286 6311316
6311339 6315191 6317233 6317391 6321043 6321995 6326523 6334355 6337797 6337945 6334320
6340609 6342674 6342687 6343231 6358707 6392450 6398426 6398494 6408627

- **120544-02 – SunOS 5.10_x86 : Apache Patch**

6222168 6228840 6257414 6301799 6367565 6378495

- **120630-02 – SunOS 5.10_x86: libpool patch**

6232648 6234525

- **120691-01 – SunOS 5.10_x86: SPECIAL PATCH : For depend File**

6299541

- **120705-01 – SunOS 5.10_x86: smartcard man patch**

6310070

- **120720-01 – SunOS 5.10_x86 : gzip patch**

6283819 6294656

- **120733-01 – SunOS 5.10_x86: libusb patch**

5033202 6251518 6251836 6272172

- **120740-02 – GNOME 2.6.0_x86: GNOME PDF Viewer based on Xpdf**

6219093 6294547

- **120742-01 – SunOS 5.10_x86: seg_map header file patch**

6264443

- **120745-02 – SunOS 5.10_x86: web console locale patch (de/es/fr/ja/ko/zh)**

6341293 6414269

- **120747-01 – SunOS 5.10_x86: SUNWswmt patch**

6314804

- **120754-02 – SunOS 5.10_x86: Microtasking libraries (libmtsk) patch**

4640927 5105585 6176541 6224639 6266200 6281454 6284576 6292619 6308531 6315352 6347707

- **120771-01 – SunOS 5.10_x86: UDC patch**

6308547

- **120808-01 – SunOS 5.10_x86: rpc.mdcommd match**

- 6290815
- **120810-01 – SunOS 5.10_x86: metaclust patch**
- 6274840
- **120817-01 – SunOS 5.10_x86: at and batch patch**
- 6208425
- **120831-04 – SunOS 5.10_x86: vi and ex patch**
- 6208422 6219736 6219754 6320769 6320774
- **120838-01 – SunOS 5.10_x86: SPECIAL PATCH: For DEPEND Files**
- 6213629
- **120846-01 – SunOS 5.10_x86: auditd patch**
- 4875480 6261894
- **120874-03 – SunOS 5.10_x86: xscreensaver localization message patch**
- 6203951 6316915 6388099 6404846
- **120888-05 – SunOS 5.10_x86: cdrw patch**
- 5097578 6226041 6237805 6237817 6239665 6297848 6327126 6346283 6372024
- **120890-01 – SunOS 5.10_x86: librac patch**
- 6297767
- **120901-03 – SunOS 5.10_x86: libzonecfg patch**
- 6218854 6328286 6346201
- **120933-01 – Solaris 10_x86: Live Upgrade to S10U1 fails due to checkinstall script**
- 6320417
- **120935-01 – Solaris 10_x86: Live Upgrade to S10U1 fails due to SUNWccrrr postinstall**
- 6320433
- **120985-01 – SunOS 5.10_x86: nss_user.so.1 Patch**
- 6235336
- **120987-04 – SunOS 5.10_x86: mkfs and newfs patch**

1260290 4063945 4471706 4799697 4836779 4845221 4857410 4872089 4890510 5004701 5086715
5096886 6175186 6184783 6198523 6208131 6217870 6223375 6240363 6245090 6250211 6256157
6256372 6262573 6265542 6277961 6284968 6303398 6312941 6312946 6312949 6312954 6322005

6322205 6332352 6335370 6337437 6338081 6338386 6338653 6341429 6345690 6346183 6351165
6354381 6354997 6355634 6360864 6362641 6379909 6381344 6389326

- **120989-01 – SunOS 5.10_x86: grpck Patch**

6221968
- **120991-02 – SunOS 5.10_x86: net-physical Patch**

5062168 6369648
- **120993-02 – SunOS 5.10_x86: nfs_clnt.h and nfs4_clnt.h Patch**

6266836 6282389
- **120995-01 – SunOS 5.10_x86: elf_amd64.h Patch**

6236594
- **121003-02 – SunOS 5.10_x86: pax patch**

6300407 6324879
- **121005-01 – SunOS 5.10_x86: sh patch**

6277636
- **121007-01 – SunOS 5.10_x86: libkadm5 and kadmind patch**

6215066 6227969 6265737 6278018
- **121009-01 – SunOS 5.10_x86: ufsrestore patch**

6264883
- **121011-01 – SunOS 5.10_x86: rpc.metad patch**

6324927
- **121013-01 – SunOS 5.10_x86: traceroute patch**

6290611 6290623 6291147 6291879 6298211 6298351
- **121037-01 – Gnome 2.6.0_x86: base libraries patch**

6215709
- **121044-02 – X11 6.8.0_x86: Mesa patch**

6317645 6313676 6318879 6318900 6366603
- **121062-01 – SunOS 5.10_x86: motd Patch**

6222495

- **121082-05 – SunOS 5.10_x86: Connected Customer Agents 1.1.0**

6304558 6319108 6300369 6395708 6392682 6410428

- **121096-01 – GNOME 2.6.0_x86: GNOME EXIF tag parsing library for digital cameras**

6257383

- **121119-06 – SunOS 5.10_x86, Sun Update Connection Client, System Edition 1.0.4**

4986258 5002316 5022653 5023766 5029322 5066299 5075120 6283475 6286401 6301964 6302734
 6303345 6303347 6304050 6304752 6304766 6305349 6309151 6311346 6311982 6315572 6316079
 6316614 6316714 6318386 6320362 6326062 6326563 6327736 6327855 6330775 6331953 6334463
 6334470 6335197 6336315 6337321 6337356 6341454 6354986 6362828 6363403 6367722 6372274
 6381140 6391266 6395034 6395874

- **121127-02 – SunOS 5.10_x86: umountall.sh Patch**

6353778 6369392

- **121129-01 – SunOS 5.10_x86: usr/include/sys/fs/lofs_node.h patch**

5034470

- **121131-01 – SunOS 5.10_x86: librcm.so.1 patch**

5103374

- **121134-01 – SunOS 5.10_x86: power patch**

6326272

- **121212-01 – SunOS 5.10_x86: Sun Java Web Console (Lockhart) Patch**

6174575 6190851 6197979 6202144 6202180 6210774 6216732 6219010 6221395 6221403 6221475
 6221807 6221988 6227790 6234014 6238598 6245886 6250060 6261549 6263027 6285557

- **121216-01 – SunOS 5.10_x86: ipsecconf patch**

6214460

- **121230-01 – SunOS 5.10_x86: libssl patch**

6332476

- **121234-01 – SunOS 5.10_x86: gsscred patch**

5008950

- **121240-01 – SunOS 5.10_x86: libgss patch**

6203833

- **121243-02 – SunOS: 5.10_x86: web console locale patch (it/sv)**

6341293 6414269

- **121264-01 – SunOS 5.10_x86: cadp160 driver patch**

6254081

- **121287-01 – SunOS 5.10_x86: pcn patch**

6230653

- **121289-02 – SunOS 5.10_x86: patch /usr/bin/svcs patch**

6293006 6306667

- **121297-01 – SunOS 5.10_x86: fgrep patch**

6295261

- **121300-01 – SunOS 5.10_x86: caplib patch**

6192995

- **121307-02 – SunOS 5.10_x86: SPECIAL PATCH: For package level scripts only**

6323208 6336160

- **121309-04 – SunOS 5.10_x86: Solaris Management Console Patch**

5090761 6179516 6183058 6365746

- **121334-04 – SunOS 5.10_x86: zoneadmd, zlogin and zoneadm patch**

6328286 6329667 6346201 6393109 6393649

- **121395-01 – SunOS 5.10_x86: aio_impl.h. patch**

4954646

- **121407-01 – SunOS 5.10_x86: ikeadm patch**

6268124 6283165

- **121429-03 – SunOS 5.10_x86: Live Upgrade Zones Support Patch**

5015838 6221561 6242607 6381089

- **121431-10 – SunOS 5.8_x86 5.9_x86 5.10_x86: Live Upgrade Patch**

4873203 4992478 5015838 6221561 6221609 6224940 6252385 6252388 6253700 6263351 6265069
6278345 6278352 6284550 6286969 6297948 6297950 6317386 6319706 6319769 6320330 6322850
6322867 6322962 6328587 6332091 6335531 6336069 6336160 6339728 6347732 6357186 6365289
6367766 6381089 6398112 6401599 6411522 6420644 6432846

- **121454-02 – SunOS 5.10_x86: Sun Update Connection Client Foundation**

6322616 6348676 6325141 6325580 6325603 6324926 6325021 6319981 6324894 6316500 6288010
 6288194 6288300 6289010 6293659 6297756 6298489 6299025 6300171 6300219 6300355 6300794
 6302650 6303352 6303587 6304558 6304563 6304786 6306155 6260830 6315572 6314437 6314341
 6316780 6342800

- **121464-05 – GNOME 2.6.0_x86: Gnome Accessibility Libraries Patch**
 6347858 6340516 6358227 6386230 6431039 6377106
- **121475-01 – SunOS 5.10_x86: audit_event patch**
 4931229
- **121488-01 – CDE 1.6_x86: dtmail patch**
 6337697
- **121562-03 – SunOS 5.10_x86: keymap patch**
 6277193 6361984 6362506 6366101 6381421
- **121571-01 – S10_x86: Patch for Austrial Asia Region locale issues**
 6249315 6338196
- **121572-03 – S10_x86: Patch for South America Region locale issues**
 6249315 6338196 6336555 6318932 6375175
- **121576-01 – SunOS 5.10_x86: SPECIAL PATCH: For package level scripts only**
 6345097
- **121604-01 – SunOS 5.10_x86: libcfgadm.so.1 patch**
 6285828
- **121607-01 – GNOME 2.6.0_x86: Python patch**
 6199942 6247860 6318436 6318475 6340077
- **121621-02 – SunOS 5.10_x86: Patch for mediaLib in Solaris**
 6359985 6347707 6397621
- **121668-02 – SunOS 5.10_x86 : pilot-link header patch**
 6321205 6334598
- **121670-01 – SunOS 5.10_x86 : SunFreeware pilot-link man pages patch**
 6321205
- **121672-01 – GNOME 2.6.0_x86: SPECIAL PATCH for SUNWPython package**

6199942 6247860 6318436 6318475 6340077

- **121676-06 – SunOS 5.10_x86: Japanese Input System ATOK patch**

6362324 6373667 6409794

- **121696-02 – SunOS 5.10_x86: devfsadm patch**

4939546 6359001

- **121722-03 – SunOS 5.10_x86: SVM header files patch**

6263122 6378671

- **121735-04 – SunOS 5.10_x86: patch to support addition of new UTF-8 locales**

6303757 6314560 6338821 4937197 6326805 6380372

- **121779-10 – SunOS 5.10_x86: SPECIAL PATCH: For Script Files**

4920408 4931229 5026812 6229153 6232332 6281836 6287428 6301944 6308155 6310845 6310846
6310847 6317422 6336517 6342066 4721729 5059459 5059461 5067502 6181926 6198116 6216772
6278459 6287425 6288840 6331488 6332420 6332630 6336131 6347073 6352877 6355571 6355597
6368332 6372169 6372587 6210716 6355260 6372436 6359264 6303973 6394140 6331284 6434795

- **121781-10 – SunOS 5.10_x86: SPECIAL PATCH: For EDITABLE Files**

4920408 4931229 4831622 6178604 6232332 6281836 6301944 6308155 6342066 6353217 6359264
6364242 6403183 6377502 6326272 6303973 6427081 6426899

- **121805-02 – SunOS 5.10_x86: GRUB patch**

6256398 6297358 6362643 6372042

- **121869-03 – SunOS 5.10_x86: keytable patch**

6311410 6338085 6217588 6377837 6277903 6310310 6319348 6334067 6340191 6346811 6353678
6370100 6370739 6378024

- **121871-01 – X11 6.6.2_x86: xterm patch**

6315492

- **121902-01 – SunOS 5.10_x86: i.manifest r.manifest class action script patch**

6209178

- **121906-01 – SunOS 5.10_x86: audit header files patch**

4931229

- **121922-02 – SunOS 5.10_x86: libumem library patch**

6308756 6317793 6341280 6385367

- **121924-01 – Gnome 2.6.0_x86: GNOME CD Burner patch**
6210267
- **121948-01 – SunOS 5.10_x86: New keyboards software needed for S11 and S10 U2**
6217588
- **121954-02 – SunOS 5.10_x86: Localization patch for new EMEA FIGGS locales**
6321422 6388015
- **121976-01 – CDE 1.6_x86: Xsession patch**
6354282
- **121978-01 – CDE 1.6_x86: Dtlogin patch**
6309633
- **122006-01 – SunOS 5.10_x86 : SunFreeware growisofs man page**
6346516
- **122010-01 – SunOS 5.10_x86: SunFreeware cdrtools patch**
6251877 6318184
- **122012-01 – SunOS 5.10_x86: SunFreeware cdrtools man pages patch**
6251877 6318184
- **122022-01 – SunOS 5.10_x86: SPECIAL PATCH: For depend File**
6251877 6318184
- **122030-01 – SunOS 5.10_x86: NIS+ nis patch**
6254605 6261290
- **122033-02 – SunOS 5.10_x86: Update timezones patch**
6226357 6348147 6380398
- **122035-03 – SunOS 5.10_x86: awk nawk Patch**
5004023 5040318 5090114 6320514 6368966
- **122065-01 – CDE 1.6_x86: Tooltalk tsession patch for Solaris 10**
6328571
- **122078-01 – SunOS 5.10_x86: ypxfrd ypxfrd_server patch**
6203874

- **122082-01 – SunOS 5.10_x86: perl format string patch**

6368763

- **122084-01 – SunOS 5.10_x86: fsck mirrored patch**

6273536

- **122086-01 – SunOS 5.10_x86: nispasswd patch**

6225117

- **122120-03 – SunOS 5.10_x86: Patch for Arabic Fonts**

6346091 6380993

- **122131-01 – S10_x86: Patch to update SUNWlocaledefsrc files**

6345525

- **122173-04 – SunOS 5.10_x86: swap swapadd patch**

4063945 4799697 5004701 5096886 6194015 6198523 6217870 6223375 6240363 6250211 6256157
 6256372 6262573 6265542 6277961 6284968 6303398 6322005 6322205 6332352 6335370 6337437
 6338081 6338386 6338653 6341429 6345690 6346183 6351165 6354381 6354997 6355634 6360864
 6362641 6379909 6381344 6389326 6415521 6421970

- **122175-03 – SunOS 5.10_x86: dumpadm patch**

4063945 4799697 5004701 5096886 6194015 6198523 6217870 6223375 6240363 6250211 6256157
 6256372 6262573 6265542 6277961 6284968 6303398 6322005 6322205 6332352 6335370 6337437
 6338081 6338386 6338653 6341429 6345690 6346183 6351165 6354381 6354997 6355634 6360864
 6362641 6379909 6381344 6389326 6421970

- **122181-01 – SunOS 5.10_x86: Patch for North African locale issues**

6348993

- **122184-01 – SunOS 5.10_x86: logadm timestamp patch**

4824041

- **122196-03 – SunOS 5.10_x86: pkgadd assertion patch**

5076562 5083131 6181364 6183842 6202015 6216286 6216650 6219101 6220169 6221584 6222529
 6223178 6229087 6229583 6230033 6232253 6232309 6237801 6255593 6264225 6265569 6266851
 6267828 6272568 6281100 6281113 6282049 6284455 6286625 6295417 6298484 6298972 6298974
 6298981 6305465 6307994 6309430 6310438 6313638 6313668 6313670 6314073 6322672 6323319
 6323322 6323393 6323554 6328144 6331093 6332245 6333184 6333617 6335522 6335549 6342823
 6342977 6346926 6354842 6356155 6359264 6359850 6363503 6365335 6365742 6365743 6366758
 6366821 6366825 6367031 6367044 6367046 6367047 6367049 6367051 6367053 6367057 6367061
 6367063 6367067 6367068 6367069 6367070 6367073 6367075 6367222 6367985 6368526 6368690
 6369961 6370284 6370798 6370802 6371490 6372151 6373071 6376283 6377319 6377640 6378297

6378676 6379498 6381022 6383188 6384565 6384727 6385004 6385007 6385479 6385516 6388986
 6389646 6389650 6390114 6390119 6390205 6390232 6390296 6390617 6390709 6391117 6391121
 6391774 6392166 6392223 6392467 6393356 6393362 6395385 6397762 6397830 6398161 6412848

- **122205-01 – GNOME 2.6.0_x86: configuration framework patch**

6310437

- **122207-02 – Gnome 2.6.0_x86: On-screen Keyboard patch**

6329929 6364326

- **122209-01 – GNOME 2.6.0_x86: Removable Media Patch**

6207027

- **122211-01 – GNOME 2.6.0_x86: GNOME Media Player Patch**

6370445

- **122213-03 – GNOME 2.6.0_x86: GNOME Image Editor Patch**

5011528 6218831 6202416 4899270 6255964 6234837 6200485 6234894 6200326 6238031 6251220
 6262830 6261299 6312879 6312736 6239595 6244269 6214486 6195818 6217648 6271501 6317578
 6193275 6202413 6205402 6253594 6200000 6208184 6218072 6222326 6303664 6303219 6225051
 6324700 5088581 6255199 6298139 6354209 5054339 6197950 6230090 6230098 6203727 5032088
 6232578 6214222 6248517 6277164 6237403 6250742 6267922 6273175 6211279 5054519 5056390
 6191372 6363035 6210443 6291127 6247833 6340714 6340716 6347227 6363752 6239962 5072848
 6347360 6385401 6398671

- **122216-01 – SunOS 5.10_x86: syslogd hostname lookup**

6221022

- **122226-01 – SunOS 5.10_x86, SPECIAL PATCH: For Script Files**

6381140

- **122232-01 – SunOS 5.10_x86 Sun Connection agents, transport certificate update**

6379777

- **122240-01 – SunOS 5.10_x86: Apache 2 mod_perl Perl cgi patch**

6289386

- **122248-01 – SunOS 5.10_x86: patch clmb**

4670406 4855218 6203470 6209502 6275431 6300267 6326547 6335611 6340778

- **122252-01 – SunOS 5.10_x86: librestart.so.1 patch**

6338570

- **122260-01 – SunOS 5.10_x86: SunFreeware gnu esp ghostscript patch**

6333285 6343050 6360710 6360803

- **122262-01 – SunOS 5.10_x86: SunFreeware ghostscript man pages patch**

6333285 6343050 6360710 6360803

- **122264-01 – SunOS 5.10_x86: SPECIAL PATCH: fp plug-in for cfgadm**

6319165

- **122417-01 – SunOS 5.10_x86: SPECIAL PATCH: depend file patch**

2129341

- **122419-01 – SunOS 5.10_x86: Fix Garbled Message Issues for Ru**

6363262

- **122421-01 – SunOS 5.10_x86: Simplified Chinese locale patch**

6357520

- **122423-02 – SunOS 5.10_x86: add missing locale files for Mozilla**

6387991 6403436

- **122471-01 – Gnome 2.6.0_x86: GNOME Java Help Patch**

6364981

- **122488-02 – SunOS 5.10_x86: Patch for Middle Eastern Region locale issue**

6380993

- **122522-01 – SunOS 5.10_x86: locator patch**

6332630 6342066 6347537

- **122528-01 – SunOS 5.10_x86: mech_krb5.so.1 patch**

6332630 6342066

- **122530-01 – SunOS 5.10_x86: nge patch**

6273484 6333732 6334580 6339474 6350127 6350373 6353515 6355392 6355538 6356796 6358827
6364227

- **122532-01 – SunOS 5.10_x86: volmgt and bsmconv patch**

6178604 6314894 6335442 6339683 6342813

- **122534-01 – SunOS 5.10_x86: ktkk_warn patch**

5088665

- **122536-01 – SunOS 5.10_x86: llib-lcrypto patch**

6285539 6287497

- **122638-01 – SunOS 5.10_x86: sbin/zonename patch**

6405807 6408933

- **122641-06 – SunOS 5.10_x86: zfs genesis patch**

4063945 4799697 5004701 5096886 6198523 6217870 6223375 6240363 6250211 6256157 6256372
 6262573 6265542 6276934 6277961 6280668 6284968 6285992 6303398 6322005 6322205 6332352
 6335370 6337437 6338081 6338386 6338653 6341429 6343608 6345690 6346183 6351165 6354381
 6354997 6355634 6360864 6362641 6365101 6369794 6379909 6381344 6389326 6392291 6393003
 6393443 6395670 6396049 6396628 6397071 6397267 6398177 6398380 6398622 6398664 6398713
 6399272 6399301 6399767 6399899 6399918 6399930 6400742 6401243 6402388 6402569 6402598
 6403294 6405008 6405662 6406959 6407365 6407366 6407367 6407377 6407444 6407635 6407791
 6407842 6408482 6409927 6410371 6410698 6410700 6410709 6410711 6410836 6411780 6413125
 6413573 6413731 6416101 6420920 6422565 6423046 6424405 6426323 6435700

- **122647-03 – SunOS 5.10_x86: zlogin patch**

4063945 4799697 5004701 5096886 6198523 6217870 6223375 6240363 6250211 6256157 6256372
 6262573 6265542 6277961 6284968 6303398 6322005 6322205 6332352 6335370 6337437 6338081
 6338386 6338653 6341429 6345690 6346183 6351165 6354381 6354997 6355634 6360864 6362641
 6379909 6381344 6389326 6405807 6408933 6424343 6426477

- **122653-02 – SunOS 5.10_x86: utilities patch**

4063945 4799697 5004701 5096886 6198523 6217870 6223375 6237359 6240363 6250211 6256157
 6256372 6262573 6265542 6268417 6277961 6284968 6297856 6303398 6320763 6322005 6322205
 6332352 6335370 6337437 6338081 6338386 6338653 6339766 6341429 6345690 6346183 6351165
 6354381 6354997 6355634 6360864 6362641 6369794 6379909 6381344 6389326 6395977

- **122655-04 – SunOS 5.10_x86: jumpstart and live upgrade compliance patch**

6331284 6372009

- **122659-03 – SunOS 5.10_x86: zonecfg patch**

4063945 4799697 5004701 5096886 6198523 6217870 6223375 6240363 6250211 6256157 6256372
 6262573 6265542 6277961 6284968 6303398 6322005 6322205 6332352 6335370 6337437 6338081
 6338386 6338653 6341429 6345690 6346183 6351165 6354381 6354997 6355634 6360864 6362641
 6379909 6381344 6389326 6405807 6408933 6424343 6426477 6431453

- **122661-01 – SunOS 5.10_x86: zoneadm patch**

4063945 4799697 5004701 5096886 6198523 6200896 6217870 6223375 6240363 6250211 6256157
 6256372 6262573 6265542 6277961 6284968 6303398 6322005 6322205 6332352 6335370 6337437
 6338081 6338386 6338653 6341429 6345690 6346183 6351165 6354381 6354997 6355634 6360864
 6362641 6379909 6381344 6389326 6405807 6408933

- **122663-04 – SunOS 5.10_x86: libzonecfg patch**

4063945 4799697 5004701 5052723 5096886 6198523 6217870 6223375 6240363 6250211 6256157
 6256372 6262573 6265542 6277961 6284968 6303398 6322005 6322205 6332352 6335370 6337437
 6338081 6338386 6338653 6341429 6345690 6346183 6351165 6354381 6354997 6355634 6360864
 6362641 6379909 6381344 6389326 6405807 6408933 6424343 6426477 6426755 6426760

- **122665-04 – SunOS 5.10_x86: rnode.h/system.h/zone.h header file patch**

4063945 4799697 5004701 5096886 6198523 6200896 6217870 6223375 6240363 6250211 6256157
 6256372 6262573 6265542 6277961 6284968 6303398 6322005 6322205 6328286 6328296 6332352
 6335370 6337437 6338081 6338386 6338653 6341429 6345690 6346183 6351165 6354381 6354997
 6355634 6360864 6362641 6379909 6381344 6389326 6399242 6401243 6405807 6408933 6420643
 6424343 6426477 6426755 6426760

- **122670-01 – Evolution 1.4.6_x86: Cryptographic Library patch**

6316976

- **122701-02 – GNOME 2.6.0_x86: Gnome libs CAS Patch**

6348450 6394047 6399245

- **122736-01 – CDE 1.6_x86: backdrops patch**

6385021

- **122746-01 – SunOS 5.10_x86: bootadm patch**

6341178

- **122748-01 – SunOS 5.10_x86: gda patch**

6326981

- **122753-03 – SunOS 5.10_x86: fma snmpd patch**

5076562 5083131 6181364 6183842 6202015 6216286 6219101 6220169 6221584 6222529 6223178
 6229087 6229583 6230033 6232253 6232309 6237801 6255593 6264225 6265569 6266851 6267828
 6272568 6281100 6281113 6282049 6284455 6286625 6295417 6298484 6298972 6298974 6298981
 6305465 6307994 6309430 6310438 6313638 6313668 6313670 6314073 6322672 6323319 6323322
 6323393 6323554 6328144 6331093 6332245 6333184 6333617 6335522 6335549 6342823 6342977
 6346926 6354842 6356155 6359264 6359850 6363503 6365335 6365742 6365743 6366758 6366821
 6366825 6367031 6367044 6367046 6367047 6367049 6367051 6367053 6367057 6367061 6367063
 6367067 6367068 6367069 6367070 6367073 6367075 6367222 6367985 6368526 6368690 6369961
 6370284 6370798 6370802 6371490 6372151 6373071 6376283 6377319 6377640 6378297 6378676
 6379498 6381022 6383188 6384565 6384727 6385004 6385007 6385479 6385516 6388986 6389646
 6389650 6390114 6390119 6390205 6390232 6390296 6390617 6390709 6391117 6391121 6391774
 6392166 6392223 6392467 6393356 6393362 6395385 6397762 6397830 6398161 6413092 6419030

- **122755-01 – SunOS 5.10_x86: libexact.so.1 fma patch**

5076562 5083131 6181364 6183842 6202015 6216286 6219101 6220169 6221584 6222529 6223178
 6229087 6229583 6230033 6232253 6232309 6237801 6255593 6264225 6265569 6266851 6267828
 6272568 6281100 6281113 6282049 6284455 6286625 6295417 6298484 6298972 6298974 6298981

6305465 6307994 6309430 6310438 6313638 6313668 6313670 6314073 6322672 6323319 6323322
6323393 6323554 6328144 6331093 6332245 6333184 6333617 6335522 6335549 6342823 6342977
6346926 6354842 6356155 6359264 6359850 6363503 6365335 6365742 6365743 6366758 6366821
6366825 6367031 6367044 6367046 6367047 6367049 6367051 6367053 6367057 6367061 6367063
6367067 6367068 6367069 6367070 6367073 6367075 6367222 6367985 6368526 6368690 6369961
6370284 6370798 6370802 6371490 6372151 6373071 6376283 6377319 6377640 6378297 6378676
6379498 6381022 6383188 6384565 6384727 6385004 6385007 6385479 6385516 6388986 6389646
6389650 6390114 6390119 6390205 6390232 6390296 6390617 6390709 6391117 6391121 6391774
6392166 6392223 6392467 6393356 6393362 6395385 6397762 6397830 6398161

- **122829-02 – SunOS 5.10_x86: lsimega driver patch**

6310845 6310846 6310847 6317422 6409215

- **122857-02 – SunOS 5.10_x86: sendmail patch**

6409751 6409114 6326006 6368555 6397275 6401629 6403183

- **122861-01 – SunOS 5.10_x86: SCN Update Manager localization patch**

6407430

- **123014-01 – SunOS 5.10_x86: pcb.h patch**

4852369

- **123016-01 – SunOS 5.10_x86: ps patch**

6284623

- **123018-01 – SunOS 5.10_x86: inetd patch**

6240909

- **123067-01 – SunOS 5.10_x86: libmeta.so.1 patch**

6341629

- **123122-02 – SunOS 5.10_x86: usr/lib/libwsreg.so.1 Patch**

6415472 6426965

- **123124-02 – SunOS 5.10_x86, SPECIAL PATCH: For Script Files**

6423146

- **123141-01 – SunOS 5.10_x86: SPECIAL PATCH: For package level scripts only**

6415472

