

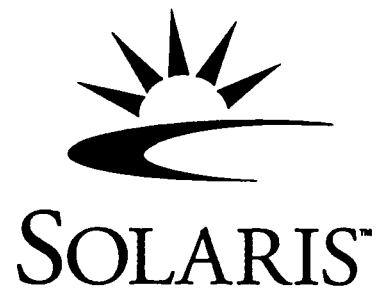


# Solaris™ 8 (SPARC™ Platform Edition) 2/02 Installation Release Notes

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# Contents

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<b>1</b>	<b>Installation Issues</b>	<b>5</b>
	Issues You Need to Know About Before Installing Solaris 8 Software from DVD	6
	Booting From the Solaris 8 2/02 DVD	6
	Boot From Solaris DVD Fails on Systems With Toshiba SD-M1401 DVD-ROM (4467424)	6
	Solaris Web Start 3.0 Bugs You Need to Know About Before Using the Solaris 8 Installation CD	7
	Initial Install Might Not Be Possible If Swap Slice Does Not Start At Cylinder 0 (4508297)	7
	Default Install Might Be Disabled If Swap Slice Is Not on The Default Boot Disk (4527984)	7
	Cannot Specify an Alternate Network Interface to Use During System Identification on Network Gateway Systems (4302896)	8
	Issues You Need to Know About Before Installing Solaris 8 Software	9
	Insufficient Space for Extra Languages During Upgrade (4414329)	9
	Previous Versions of Solaris Management Console Software Are Not Compatible With Solaris Management Console 2.0 Software	10
	Locale Installation Mechanism Change	12
	Installation Bugs That Occur During an Installation From Solaris 8 1 of 2 CD	13
	Solaris 8 Software 2 of 2 Installation Program Does Not Automatically Start When Using Custom JumpStart or re-preinstall (4556860)	13
	Warnings May Occur When a File System Is Created (4189127)	14
	Custom JumpStart Does Not Prompt for the Solaris 8 Software 2 of 2 CD (4304912)	15
	Installation Bugs That Occur During an Upgrade	16
	Live Upgrade Might Not Determine Boot Device (4525464)	16
	Upgrade Fails if /export Is Near Capacity (4409601)	17

Unable to Remove .save .SUNwcsr After Upgrading (4400054)	17
Upgrading Diskless Client Servers and Clients (4363078)	17
Upgrading the JavaSpaces Datastore to Prevent Web-Based Enterprise Management (WBEM) Data Loss (4365035)	18
Relocated CDE From the Solaris 2.5.1 Operating Environment Orphaned by an Upgrade to the Solaris 8 Operating Environment (4260819)	19
Upgrading the Solaris 7 Operating Environment With WBEM 1.0 to the Solaris 8 Operating Environment Causes WBEM 2.0 to Fail (4274920)	19
System Administration Bugs	20
awk and nawk Field Limitation Might Cause Installation of Additional Software to Fail (4533901)	20
Localization Bugs That Occur During Installation	21
Solaris Web Start Installation Kiosk Menu Not Localized for European Locales (4510925)	21

## Installation Issues

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This book describes critical problems that relate to the installation of the Solaris 8 2/02 operating environment. The complete *Solaris 8 (SPARC Platform Edition) 2/02 Release Notes* are available in the Solaris 8 2/02 Release Documents Collection on the Solaris 8 2/02 Documentation CD. For the latest issues, see the *Solaris 8 (SPARC Platform Edition) 2/02 Release Notes* in the Solaris 8 2/02 Update Collection on <http://docs.sun.com>.

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**Note** – The name of this product is Solaris 8 2/02 , but code and path or package path names might use Solaris 2.8 or SunOS™ 5.8. Always follow the code or path as it is written.

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

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

## Booting From the Solaris 8 2/02 DVD

The Solaris 8 2/02 operating environment is now available on DVD. To install or upgrade from DVD, insert the Solaris 8 2/02 DVD into the DVD-ROM drive and boot the system from the ok prompt with the following command.

```
ok boot cdrom
```

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

If your system has a Toshiba SD-M1401 DVD-ROM drive with firmware revision 1007, the system cannot boot from the Solaris 8 2/02 DVD.

**Workaround:** Apply patch 111649 to update the Toshiba SD-M1401 DVD-ROM drive's firmware. Patch 111649 is included on the Solaris 8 Supplement CD in the following directory.

```
DVD_Firmware/Patches
```

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

---

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

## Initial Install Might Not Be Possible If Swap Slice Does Not Start At Cylinder 0 (4508297)

When you install from the Solaris 8 Installation CD, the Solaris™ Web Start installation program might prompt you to use an existing swap slice to hold the installation software. However, the installation program does not indicate whether the existing swap slice starts at cylinder 0 or not. If you choose to use this slice and it does not begin at cylinder 0, installation might not be possible on some disk configurations.

**Workaround:** If you intend to perform an initial install, follow these steps.

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**Note** – This will prevent any file system preservations on the disk.

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1. During setup, answer **No** to all questions that prompt you to use an existing swap slice.
2. If prompted, select **None** from the list of alternatives, then answer **No** when you are prompted to re-select a slice to hold the Solaris installation software.
3. Select a disk to re-partition when you are prompted by the installer.
4. Choose a size when you are prompted to provide a size for the swap slice.
5. When the installer asks if the swap slice can start at the beginning of the disk, answer **Yes**.
6. Complete the installation.

For more information on re-partitioning disks or choosing a size for the swap slice, see the *Solaris 8 Advanced Installation Guide*.

## Default Install Might Be Disabled If Swap Slice Is Not on The Default Boot Disk (4527984)

When you install from the Solaris 8 Installation CD and you choose a swap slice that is not on the default boot disk, the Default Install selection might be disabled. This

problem can occur even when the swap slice starts at cylinder 0 and the default boot disk contains sufficient space for a Default Install. The following error message is displayed.

Note:Default install is not possible.The file system requires manual layout.

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

- If you are performing an initial install, choose the default boot disk as the location for the swap slice.
- Perform a Custom Install if your swap slice is not located on the default boot disk.

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

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

If you use the Solaris 8 Installation CD to install the Solaris 8 2/02 operating environment on a gateway system, Solaris Web Start 3.0 uses the primary interface to gather system information. You cannot instruct Solaris Web Start 3.0 to use an alternate network interface to gather information for system identification.

**Workaround:** To specify another interface for gathering system information, choose one of the following workarounds.

- Create a `sysidcfg` file that specifies the network interface to use during system identification. See "Guidelines for Preconfiguring With the `sysidcfg` File" in *Solaris 8 Advanced Installation Guide* and the man page `sysidcfg(4)` for information on how to create and modify a `sysidcfg` file.
- Use the Solaris 8 Software 1 of 2 CD to launch an Interactive Installation of the Solaris 8 2/02 operating environment. Specify that the system is networked, and then select the alternate network interface to use for system identification from the list that is provided.

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

## Insufficient Space for Extra Languages During Upgrade (4414329)

When you upgrade from the Solaris 2.6 and Solaris 7 operating environments using a CD or CD images, extra European languages might be installed for locales that are not present on the system. If there is insufficient space in the file system, the upgrade will not complete. Languages for locales that are present on the system may not be installed.

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

- Manually select the languages you want installed during the upgrade process. Follow these steps.
  1. When the Language CD install panel is displayed, click the Back button.
  2. Deselect the extra languages and continue with the upgrade.
- Use a combined net install image to upgrade from the Solaris 2.6 and Solaris 7 operating environments. Do not use CDs or CD images to upgrade.
- After upgrading, follow these steps.
  1. Login to the system.
  2. Run `prodreg`.
  3. Uninstall any extra languages.
  4. Insert the Language CD into your CD-ROM drive and run the top level installer.
  5. Choose Custom Install.
  6. Select the languages you want installed.
  7. Complete the Language CD installation by clicking the Next and Install Now buttons.

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

If you upgrade to the Solaris 8 2/02 , or compatible, operating environment and you have Solaris Management Console™ 1.0, 1.0.1, or 1.0.2 software installed, you must uninstall the Solaris Management Console software before you upgrade. Solaris Management Console 2.0 software is not compatible with any previous version of the console. Solaris Management Console software might exist on your system if you installed the SEAS 2.0 overbox, the SEAS 3.0 overbox, or the Solaris 8 Admin Pack.

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

- Before you upgrade, run `/usr/bin/prodreg` and perform a full uninstall of the Solaris Management Console software.
- If you did not uninstall Solaris Management Console 1.0, 1.0.1, or 1.0.2 software before you upgraded, you must remove all Solaris Management Console 1.0, 1.0.1, or 1.0.2 software packages. You must use `pkgrm` for package removal instead of `prodreg` and you must carefully follow the order of package removal. Follow these steps.

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

```
# pkginfo |grep "Solaris Management Console"  
# pkginfo |grep "Solaris Management Applications"  
# pkginfo |grep "Solaris Diskless Client Management Application"
```

The package names in the output identify a Solaris Management Console 1.0 software package if the description does not start with "Solaris Management Console 2.0."

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

---

**Note** – Do not remove any package that has "Solaris Management Console 2.0" in the description. For example, `SUNWmc.2` might indicate the Solaris Management Console 2.0 software.

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**Note** – If the `pkginfo` output displays multiple versions of Solaris Management Console 1.0 software packages, use `pkgrm` to remove both packages. Remove the original package first and then the package that has been appended with a number. For example, if the `SUNWmcman` and `SUNWmcman.2` packages appear in the `pkginfo` output, first remove `SUNWmcman` and then `SUNWmcman.2`. Do not use `prodreg`.

---

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

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

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

The Solaris Management Console 2.0 software should now function. For future maintenance, or if the console does not function properly, remove the Solaris Management Console 2.0 software and reinstall it by following the next steps.

1. In a terminal window type the following commands.

```
# pkginfo |grep "Solaris Management Console"
# pkginfo |grep "Solaris Management Applications"
# pkginfo |grep "Solaris Diskless Client Management Application"
```

The package names in the output identify the remaining Solaris Management Console software packages that are installed on your system.

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

---

**Note** – If your system has multiple instances of Solaris Management Console 2.0 software packages, such as `SUNWmc` and `SUNWmc.2`, first remove `SUNWmc`, and then `SUNWmc.2`. Do not use `prodreg`.

---

```
# pkgrm SUNWdclnt
# pkgrm SUNWmga
# pkgrm SUNWmgapp
# pkgrm SUNWmcdev
# pkgrm SUNWmcex
# pkgrm SUNWwbmc
# pkgrm SUNWmc
# pkgrm SUNWmcc
# pkgrm SUNWmccom
```

3. Insert the Solaris 8 Software (SPARC Platform Edition) 1 of 2 CD into your CD-ROM drive and type the following in a terminal window.

```
# cd /cdrom/sol_8_202_sparc/s0/Solaris_8/Product
# pkgadd -d . SUNWmccom SUNWmcc SUNWmc SUNWwbmc SUNWmcex SUNWmcdev \
  SUNWmgapp SUNWmga SUNWdclnt
```

All previous versions of the Solaris Management Console software are now removed and the Solaris Management Console 2.0 software is functional.

## Locale Installation Mechanism Change

The locale support installation mechanism has changed in the Solaris 8 operating environment. In the Solaris 2.5.1, 2.6, and 7 operating environments, the level of locale support that was installed depended on the software cluster that was chosen. The Solaris 8 operating environment includes a new installation interface that prompts you to select specific geographic regions for which you require locale support. Therefore, you can customize the configuration of your system at installation of the Solaris 8 operating environment with more freedom than in the Solaris 2.5.1, 2.6, and 7 operating environments.

Notice especially the following behaviors:

- You must select the locales to be installed during the initial installation in the Geographic Selection screen. C (POSIX locale) and en\_US.UTF-8 (Unicode support) are the only locales that are automatically installed.
- When you upgrade from previous releases, some of the locales are automatically selected, depending on the available locales on the system to be upgraded. Note that English, French, German, Italian, Spanish, and Swedish partial locales were always present on the system in the Solaris 2.5.1, 2.6, and 7 operating environments.
- Unicode locales (UTF-8) have a feature to enable multilingual text input. Because these locales use Asian input methods that are provided by each individual locale, install those Asian locales for which you need to type text.

---

# Installation Bugs That Occur During an Installation From Solaris 8 1 of 2 CD

## Solaris 8 Software 2 of 2 Installation Program Does Not Automatically Start When Using Custom JumpStart or re-preinstall (4556860)

If you install using the custom JumpStart™ program or the re-preinstall command, when the Solaris 8 Software 1 of 2 CD completes, the Solaris 8 Software 2 of 2 CD installation program does not automatically start. The system will reboot normally, but the installation is not complete.

**Workaround:** If you are performing a custom JumpStart installation, or you are using the re-preinstall command, choose one of the following workarounds.

- Use a combined network image of the Solaris 8 Software CDs to perform the installation.
- After the installation program on the Solaris 8 Software 1 of 2 CD completes, follow these steps.
  1. Login as superuser.
  2. Verify that the file `/var/sadm/system/data/packages_to_be_added` exists. Type the following command.

```
# ls /var/sadm/system/data/
```

    - If the file `packages_to_be_added` is listed in the output of the `ls` command, go to the next step.
    - If the output of the `ls` command does not list `packages_to_be_added`, your installation is complete. Do not continue with the workaround.
  3. Insert the Solaris 8 Software 2 of 2 CD into the CD-ROM drive and type the following commands to start the installation program.

```
# volcheck
# cd /cdrom/cdrom0/Solaris_8/Tools/Installers
# ./solaris2
```
  4. After the Solaris 8 Software 2 of 2 installation completes, type the following command to determine if `/var/sadm/system/data/packages_to_be_added` exists.

```
# ls /var/sadm/system/data
```

- If the file `packages_to_be_added` is listed in the output of the `ls` command, go to the next step.
  - If the output of the `ls` command does not list `packages_to_be_added`, your installation is complete. Do not continue with the workaround.
5. Insert the Solaris 8 Languages CD into the CD-ROM drive and type the following commands.  

```
# volcheck  
# cd /cdrom/cdrom0  
# ./installer
```
  6. Choose the custom installation path in the Solaris 8 Languages CD installation program.
  7. Select the languages that you require for your system and complete the installation.

---

**Note** – If you have more than one CD-ROM drive, the path might be `/cdrom/cdrom#`, where `cdrom#` is the CD-ROM drive into which you inserted the Solaris 8 Software 2 of 2 CD, or the Solaris 8 Languages CD.

---

## Warnings May Occur When a File System Is Created (4189127)

One of the following warning messages might be displayed when a file system is created during installation.

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

Or

```
Warning: 1 sector(s) in last cylinder unallocated
```

The warning occurs when the size of the file system that is being created does not map exactly to 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.

## Custom JumpStart Does Not Prompt for the Solaris 8 Software 2 of 2 CD (4304912)

After you install the Solaris 8 Software 1 of 2 CD, a custom JumpStart installation does not prompt you to install the Solaris 8 Software 2 of 2 CD.

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

- If you are installing only the End User software group, you do not need to install the Solaris 8 Software 2 of 2 CD because the End User software and its basic locale support are on the Solaris 8 Software 1 of 2 CD.
- If you are installing the Entire Distribution plus OEM, Entire Distribution, or Developer software, and are using a custom JumpStart installation from a server, use a network install server that contains the Solaris 8 1 of 2, 2 of 2, and Languages CDs. See "Creating a Profile Server" in *Solaris 8 Advanced Installation Guide*.
- If you are installing the Entire Distribution plus OEM, Entire Distribution, or Developer software and are using a custom JumpStart installation from a diskette, follow these steps to install the Solaris 8 Software 2 of 2 and Languages CDs:
  1. After the custom JumpStart completes the installation of the Solaris 8 Software 1 of 2 CD, reboot the system.
  2. Log in to the system.
  3. Insert the Solaris 8 Software 2 of 2 CD.
  4. Execute the `installer` script and follow the instructions on the screen to install the remaining software.
  5. Insert the Solaris 8 Languages CD.
  6. Execute the `installer` script and follow the instructions on the screen to install any languages.

---

# Installation Bugs That Occur During an Upgrade

## Live Upgrade Might Not Determine Boot Device (4525464)

If you boot from a Solstice DiskSuite™ or a Solaris™ Volume Manager mirrored root, or a Veritas encapsulated root, the `lucreate` command might be unable to determine the boot device. The following error message is displayed.

```
WARNING: Unable to determine root device by accessing boot device settings directly.  
ERROR: Unable to determine root device for current BE.  
ERROR: Unable to determine the physical boot device for the current BE <...>.  
Use the <-C> command line option to specify the physical boot device for the current BE  
<...>
```

If you use `lucreate -C` to specify the physical boot device the command fails.

**Workaround:** Manually edit `/usr/sbin/lucreate` to enable Live Upgrade to determine the boot device from a Solstice DiskSuite or a Solaris Volume Manager mirrored root, or a Veritas encapsulated root. Follow these steps.

1. Make a backup copy of `/usr/sbin/lucreate`.
2. Open `/usr/sbin/lucreate` in a text editor.
3. Locate the following line in `/usr/sbin/lucreate`.  
`elif [ "${dpbe_pbeBootDev}" -eq "-" ] ; then`
4. Change the previous line to the following.  
`elif [ "${dpbe_pbeBootDev}" = '-' ] ; then`
5. Locate the following line in `/usr/sbin/lucreate`.  
`if [ "${OPTARG}" -ne "-" ] ; then`
6. Change the previous line to the following.  
`if [ "${OPTARG}" != '-' ] ; then`
7. Save the changes to `/usr/sbin/lucreate`.

The `lucreate` command can now determine the boot device and the `-C` option will function correctly.

You can remove the backup copy of `/usr/sbin/lucreate` when the upgrade completes.

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

If the `/export` directory is near full capacity and you upgrade to the Solaris 8 2/02 operating environment, the space requirements for `/export` are miscalculated and the upgrade fails. The problem commonly occurs if a diskless client is installed, or if third-party software is installed in `/export`. The following message is displayed.

WARNING: Insufficient space for the upgrade.

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

- Temporarily rename the `/export` directory until the upgrade completes.
- Temporarily comment out the `/export` line in the `/etc/vfstab` file until the upgrade completes.
- If `/export` is a separate file system, then unmount `/export` before you perform the upgrade.

## Unable to Remove .save.SUNWcsr After Upgrading (4400054)

After upgrading from the Solaris 2.5.1 8/97 or 11/97 operating environment to the Solaris 8 operating environment, you might see the following error in `/a/var/sadm/system/logs/upgrade_log`.

```
rm: Unable to remove directory /a/var/sadm/pkg/.save.SUNWcsr: File exists
```

**Workaround:** To prevent the error, before you upgrade to the Solaris 8 operating environment, perform `fsck` on the root file system.

To resolve the error after you upgrade, perform `fsck` on the root file system.

## Upgrading Diskless Client Servers and Clients (4363078)

If your system currently supports diskless clients that were installed with the AdminSuite 2.3 Diskless Client tool, you must first delete all existing diskless clients prior to installing the Solaris 8 2/02 operating environment. For specific instructions, see "How to Set Up Your Diskless Client Environment" in *Solaris 8 System Administration Supplement*.

If you attempt to install the Solaris 8 2/02 operating environment over existing diskless clients, the following error message appears.

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

## Upgrading the JavaSpaces Datastore to Prevent Web-Based Enterprise Management (WBEM) Data Loss (4365035)

If you are upgrading from the Solaris 8 (Solaris WBEM Services 2.0), Solaris 8 6/00 (WBEM Services 2.1), Solaris 8 10/00 (WBEM Services 2.2), or Solaris 8 1/01 (WBEM Services 2.3) operating environments to the Solaris 8 2/02 operating environment (Solaris WBEM Services 2.4), you must convert any proprietary custom Managed Object Format (MOF) data to the new Reliable Log repository format that is used with Solaris WBEM Services 2.4. Failure to convert the data results in data loss.

**Workaround:** To convert WBEM data, before upgrading you must save the JavaSpaces™ software. After upgrading, you must run the `wbemconfig convert` command.

Before upgrading to the Solaris 8 2/02 operating environment, follow these steps to save the JavaSpaces software.

1. **Become superuser.**
2. **Save the JavaSpaces software.**
3. **Check and record the version of the JDK™ software that is installed on your machine. For example:**

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

```
# /usr/bin/java -version
java version "1.2.1"
Solaris VM (build Solaris_JDK_1.2.1_04c, native threads, sunwjit)
```

You must be running the same version of the JDK software that was running when the original JavaSpaces datastore was created.

---

**Note** – After upgrading to the Solaris 8 2/02 operating environment, you must convert the WBEM data. For specific instructions, see “Upgrading the WBEM Repository to Prevent WBEM Data Loss” in *Solaris 8 Installation Supplement*.

---

## Relocated CDE From the Solaris 2.5.1 Operating Environment Orphaned by an Upgrade to the Solaris 8 Operating Environment (4260819)

This problem affects systems that run the Solaris 2.5.1 and the Solaris 2.5.1 unbundled CDE operating environments. However, these systems are only affected if the unbundled CDE has been relocated to a directory other than `/usr/dt`. The CDE relocation on these systems has been accomplished by creating a symbolic link in `/usr/dt` that points to the relocated CDE.

When you upgrade to the Solaris 8 operating environment, CDE is reinstalled in `/usr/dt`, and the link to the relocated version is removed. The relocated CDE is not removed and is therefore orphaned.

If the upgrade involves the reallocation of file systems, the upgrade might fail because the reallocation mechanism does not allow for the extra space that is needed in `/usr/dt` for the new version of CDE. This failure is not visible until the upgrade has been completed. If this failure occurs, the upgrade log includes several messages that indicate more space is needed for an upgrade.

**Workaround:** Uninstall the relocated CDE before you start upgrading to the Solaris 8 operating environment. You can uninstall by using the `install-cde` script from the Solaris 2.5.1 CDE CD. You should run this script with the `-uninstall` flag to remove CDE.

## Upgrading the Solaris 7 Operating Environment With WBEM 1.0 to the Solaris 8 Operating Environment Causes WBEM 2.0 to Fail (4274920)

If you installed WBEM 1.0 from the Solaris Easy Access Server (SEAS) 3.0 CD on a system that runs the Solaris 7 operating environment, you must remove the WBEM 1.0 packages before upgrading to the Solaris 8 operating environment. The Solaris WBEM Services 2.0 do not start after you upgrade the Solaris 7 operating environment with WBEM 1.0 to the Solaris 8 operating environment. The Common Information Model (CIM) Object Manager fails to start. The following error message is displayed.

```
File not found: /opt/sadm/lib/wbem/cimom.jar
```

**Workaround:** Use the `pkgrm` command to remove the WBEM 1.0 packages before upgrading to the Solaris 8 operating environment.

1. Use the `pkginfo` command to check if the WBEM 1.0 packages are installed by typing the following.:

```
% pkginfo | grep WBEM
```

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

```
# pkgrm SUNWwbapi
# pkgrm SUNWwbcor
# pkgrm SUNWwbdev
# pkgrm SUNWwbdoc
# pkgrm SUNWwbn
```

---

## System Administration Bugs

### awk and nawk Field Limitation Might Cause Installation of Additional Software to Fail (4533901)

The 200 field limitation of the `awk` and `nawk` utilities might cause installations of additional software to fail. This problem occurs under the following circumstances.

- You install Veritas Volume Manager (VxVm) on a system running the Solaris 8 2/02 operating environment and Sun Enterprise™ Alternate Pathing
- You install Sun StoreEdge™ Component Manager software on a system running the Solaris 8 2/02 operating environment

A message similar to the following text displays.

```
Installing VxVM for Solaris 8
awk: record 'Patch: 108528-13 Obs...' has too many fields
record number 12
```

```
Alternate Pathing (AP) version 2.3.1 has been detected.
```

```
This version of VxVM requires the following patch(es)
to co-existwith AP 2.3.1:
```

```
110722
```

Install the above patch(es) before you continue the VxVM installation. This installation will now be aborted.

pkgadd: ERROR: request script did not complete successfully

Installation of <VRTSvxvm> failed.  
No changes were made to the system.

**Workaround:** Contact your support channels to obtain the Solaris patch that increases the awk and nawk field limitation.

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## Localization Bugs That Occur During Installation

### Solaris Web Start Installation Kiosk Menu Not Localized for European Locales (4510925)

If you use the Solaris 8 2/02 Installation CD to install in a European locale, the Kiosk menu that appears at the end of the installation process displays in the C locale.





