



# Sun StorEdge™ Fast Write Cache 2.0 Release Notes

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# Sun StorEdge Fast Write Cache 2.0 Release Notes

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This document contains important last-minute product information about the Sun StorEdge™ Fast Write Cache 2.0 software, including the following topics:

- [“Installation and Service Information” on page 1](#)
- [“Related Documentation” on page 2](#)
- [“Product Notes” on page 4](#)
- [“Workarounds for Known Bugs” on page 7](#)
- [“Documentation Additions and Errata” on page 9](#)

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## Installation and Service Information

If you are a Sun™ support or service provider, for product information, go to:

<http://webhome.ebay/networkstorage/products/>

For installation services in the U.S., contact Sun at the following number.

1-800-USA4SUN (1-800-872-4786)

For installation services outside the U.S., contact your local sales or service representative.

For information about service, sales, consulting, and support, go to:

<http://www.sun.com/service/support/contactsalesoffice.html>

<http://www.sun.com/service/support/sunsolve/index.html>

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## Related Documentation

Application	Title	Part Number
man pages	fwcadm(1FWC) cache_control cache_config cache_health svadm(1SV)	N/A
User	<i>Sun StorEdge Fast Write Cache 2.0 System Administrator's Guide</i>	806-2064
Configuration	<i>Sun StorEdge Fast Write Cache 2.0 Configuration Guide</i>	806-4383
Installation	<i>Sun StorEdge Fast Write Cache 2.0 Installation Guide</i>	806-4405
	<i>Sun StorEdge Fast Write Cache 2.0 256 MByte SBus NVRAM Card Installation Guide</i>	806-6353
	<i>Solaris 2.6 Handbook for SMCC Peripherals</i>	802-7295
	<i>Solaris Handbook for SMCC Peripherals</i>	805-7404
	<i>Solaris 2.x Handbook for SMCC Peripherals</i>	801-5488
Options	<i>OpenBoot 3.x Command Reference Manual</i>	806-1377
Solaris 2.6 diagnostics	<i>SunVTS 2.1 User's Guide</i>	802-7299
	<i>SunVTS 2.1.3 Test Reference Manual</i>	805-4163
	<i>SunVTS 2.1 Quick Reference</i>	802-7301

<b>Application</b>	<b>Title</b>	<b>Part Number</b>
Solaris 7 diagnostics	<i>SunVTS 3.0 User's Guide</i>	805-4442
	<i>SunVTS 3.0 Test Reference Manual</i>	805-4443
	<i>SunVTS 3.0 Programmer's Guide</i>	805-7338
	<i>SunVTS 3.0 Quick Reference</i>	805-4444
	<i>SunVTS 3.1 User's Guide</i>	805-7406
	<i>SunVTS 3.1 Test Reference Manual</i>	805-7407
	<i>SunVTS 3.1 Quick Reference</i>	805-7408
	<i>SunVTS 3.2 User's Guide</i>	806-0423
	<i>SunVTS 3.2 Test Reference Manual</i>	806-0424
	<i>SunVTS 3.2 Toolkit Test Developer's Guide</i>	806-1321
	<i>SunVTS 3.2 Toolkit Release Notes</i>	806-1329
	<i>SunVTS 3.3 User's Guide</i>	806-1594
	Solaris 7 diagnostics	<i>SunVTS 3.3 Test Reference Manual</i>
<i>SunVTS 3.4 User's Guide</i>		806-2884
<i>SunVTS 3.4 Test Reference Manual</i>		806-2885
Solaris 8 diagnostics	<i>SunVTS 4.0 Quick Reference</i>	806-2059 or 806-1028
	<i>SunVTS 4.0 User's Guide</i>	806-2057
	<i>SunVTS 4.0 Test Reference Manual</i>	806-2058
User	<i>Dynamic Reconfiguration User's Guide For Sun Enterprise 3x00/4x00/5x00/6x00 Systems</i>	805-3530
	<i>Sun Enterprise 6x00, 5x00, 4x00, and 3x00 Systems Dynamic Reconfiguration Guide</i>	806-0280
	<i>Sun Enterprise 10000 Dynamic Reconfiguration User's Guide</i>	805-7985

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# Product Notes

This section contains information about the following topics:

- “Sun StorEdge Software and Java Software Requirements” on page 4
- “Command Installation Path” on page 6
- “Sun Enterprise 10000 Board Installation Requirements” on page 6
- “scmadm -redevaid Function Documented” on page 6

## Sun StorEdge Software and Java Software Requirements

The following paragraphs describe the required Java software versions for the Sun StorEdge software.

### Sun StorEdge Instant Image Software

This software requires that the Java™ runtime environment (JRE) be installed to operate properly. At the time of this release, only the following versions of the Java software are supported:

- For installations *without* the Sun StorEdge Component Manager 2.1 software:  
Java Versions 1.2.1\_04b through 1.2.2\_05a
- For installations *with* the Sun StorEdge Component Manager 2.1 software:  
Java Version 1.2.2\_05a

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**Note** – Java Version 1.3.0 and more recent versions are not supported by the Sun StorEdge Instant Image 2.0 or Sun StorEdge Component Manager 2.1 software.

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**Caution** – You must install a supported version of the Java software prior to installing the Sun StorEdge software. If you do not upgrade the system to a supported Java version, you can still install the software, but the software might not operate properly once the installation is complete.

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To verify the version of the Java software currently installed on the system, type the following:

```
# java -version
```

To update your version of the Java software, go to <http://java.sun.com>.

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**Note** – To install the French, Japanese or Chinese localized version of the Sun StorEdge software, load the localized version of the Java software.

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## Sun StorEdge Component Manager 2.1 Software

If you plan to install the Sun StorEdge Component Manager 2.1 software, do so prior to installing the Sun StorEdge Instant Image 2.0 Software.

## Command Installation Path

The Sun StorEdge Fast Write Cache command installation locations are as follows:

```
/usr/opt/SUNWesm/sbin
```

```
/usr/opt/SUNWesm/bin
```

## Sun Enterprise 10000 Board Installation Requirements

If you are installing the Sun StorEdge Fast Write Cache software on a Sun Enterprise™ 10000 server, you can have two SBus NVRAM boards per domain, as long as you are not caching shared storage.

## scmadm -redevid Function Documented

The `redevid` function of the `scmadm` command has been documented in both the `scmadm(1m)` man page and *Sun StorEdge Fast Write Cache 2.0 System Administrator's Guide*. The `redevid` function re-identifies a replaced physical disk to the Sun StorEdge Fast Write Cache software. This is necessary only if the replaced physical disk is not part of a volume managed by a volume manager and the cache software detects a World Wide Name mismatch on recovery after an unclean shutdown. In this case, the disk will not be available for use until the `redevid` function has been performed and either a Sync or Purge on the disk has been executed to clear offline status of the device.



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# Workarounds for Known Bugs

This section provides workarounds for the following known bugs;

- [“4306093 The Sun Management Center Software Fails After the Sun StorEdge Fast Write Cache 2.0 Installation” on page 7](#)
- [“4310143 fwcadm cache -s Results in Usage Error” on page 8](#)
- [“4349810 The Sun Management Center 2.1.1 Software Fails After the Sun StorEdge Fast Write Cache 2.0 Installation” on page 8](#)
- [“4486833 Incorrect Information in the Sun StorEdge 2.0 Services Software CD Documentation” on page 8](#)

## **4306093**

### *The Sun Management Center Software Fails After the Sun StorEdge Fast Write Cache 2.0 Installation*

If you run the Sun™ Management Center software after installing the Sun StorEdge Component Manager software, the Sun Management Center software will fail to run due to Java version conflicts. The Sun StorEdge Management Console baseline 1.1.0.5 is based on Java 1.2.1\_04. However, the Sun Management Center software will only run with Java 1.2.1\_04a.

**Workaround:** Change the following Sun Management Center files:

```
/opt/SUNWsymon/classes/base/console/bin/es-console.sh
```

```
/opt/SUNWsymon/classes/base/server/bin/es-server.sh
```

This assumes that the Sun Management Center software is installed under the default directory:

```
/opt/SUNWsymon.
```

In both of the files, change:

```
OUT='java -version 2>&1 | grep -c "Solaris_JDK_1.2.1_04a"'
```

to:

```
OUT='java -version 2>&1 | grep -c "Solaris_JDK_1.2.1_04"'
```

### 4310143

#### *fwcadm cache -s Results in Usage Error*

Execution of `fwcadm cache -s` results in a usage error. This supported process checks the NVRAM card status and is documented in the *Sun StorEdge Fast Write Cache 2.0 System Administrator's Guide*.

**Workaround:** Use the `scmadm -S` command to check NVRAM statistics.

### 4349810

#### *The Sun Management Center 2.1.1 Software Fails After the Sun StorEdge Fast Write Cache 2.0 Installation*

The version of the Java software installed by the Sun StorEdge Fast Write Cache 2.0 software is not compatible with the Sun Management Center 2.1.1 software.

**Workaround:** Install the Sun Management Center 2.2.1 software last. If it is already installed, you must remove it and then reinstall it after you install the Sun StorEdge Fast Write Cache software.

### 4486833

#### *Incorrect Information in the Sun StorEdge 2.0 Services Software CD Documentation*

The documentation in the Sun StorEdge services software CD cases state that all the documentation on the CD is in the Adobe® Acrobat (.pdf) format. In fact, some documentation on the CD is also in PostScript™ (.ps) format.

#### **Workaround**

You can print PostScript files on any PostScript printer and you can view PostScript files using a PostScript viewer.

The latest version of the Sun StorEdge services software documentation in Adobe Acrobat format is available on the Web at:

<http://www.sun.com/products-n-solutions/hardware/docs>

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# Documentation Additions and Errata

The information in this section supplements the product documentation. See also the following section in these product notes:

- [“4486833 Incorrect Information in the Sun StorEdge 2.0 Services Software CD Documentation” on page 8](#)

## All Sun StorEdge Installation Guides: Configuring the `nsswitch.conf` File

This installation step helps ensure that the host names in the `/etc/hosts` file are read and known by machines running the Sun StorEdge Versions 2.0 and 2.0.1 services software. In the section, you will edit the `/etc/nsswitch.conf(4)` file using a text editor.

1. **Include the following `hosts:` and `services:` entries in the `/etc/nsswitch.conf` file.**

Ensure that `files` is placed before `nis` or `nisplus`.

- For systems using the NIS naming service:

```
hosts: files nis
services: files nis
```

- For systems using the NIS+ naming service:

```
hosts: files nisplus
services: files nisplus
```

2. **Shut down and restart your machine.**

```
# /etc/shutdown -y -g 0 -i 6
```

# Dynamic Reconfiguration Information in the System Administrator and Installation Guides

The *Sun StorEdge Fast Write Cache 2.0 System Administrator's Guide* and *Sun StorEdge Fast Write Cache 2.0 256 Mbyte SBus NVRAM Installation Guide* describe Sun Dynamic Reconfiguration. These documents describe how to enable and disable the Sun StorEdge Fast Write Cache 2.0 software and hardware before performing DR. The description requires additional information.

When performing any dynamic reconfiguration that may cause a detach of host memory, disable the cache software first. Perform the following general steps:

1. **Disable the FWC software by typing.**

```
# fwcadm cache -d
```

2. **Perform the dynamic reconfiguration.**
3. **Enable the cache software by typing:**

```
# fwcadm cache -e
```