



# Sun™ Management Center 3.0 Platform Update 4 Release Notes for Sun Fire™ 15K/12K Systems, Version 2

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# Contents

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Changes in Software	1
Bugs Fixed	3
Preinstallation	3
Ensure SMS 1.3 Is Installed on Your System	4
Before Installing Domain Dynamic Reconfiguration, Remove .dat File	4
Required Patches	4
Adapter Script	5
General Issues	5
Setup and Uninstall Scripts Stop With Corrupt pkginfo File	5
Known Limitations	6
Domain Config Reader Is Not Compatible With Veritas Netbackup SSO on a Tape Drive Connected to a SAN	6
PDSM Needs More Descriptive Error Messages	6
Known Bugs	7
Missing Cassette Information for WPCI Board (Bug ID 4810211)	7
When WPCI Board Is Powered Off, Entry for Cassette Is Still Present (Bug ID 4810224)	7
Misleading Error Message on the Hardware Summary of the Hardware Tab on the Platform Config Reader Module (Bug ID 4810914)	7
Last Full Refresh Property on Platform Config Reader System Table Does Not Show the Correct Date and Time (Bug ID 4817015)	8

Platform Agent on the SC Stops When SMS Is Stopped and Cache Refresh Occurs (Bug ID 4822944) 8

May Not Be Able to Change an Access Control List for a Domain From the Sun Management Center GUI (Bug ID 4768650) 8

# Sun Management Center 3.0 Release Notes for Sun Fire 15K/12K Systems, Version 2

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This document contains the following release notes for the Sun Fire 15K/12K systems:

- “Changes in Software” on page 1
- “Preinstallation” on page 3
- “Required Patches” on page 4
- “Adapter Script” on page 5
- “General Issues” on page 5
- “Known Limitations” on page 6
- “Known Bugs” on page 7

For more detailed information about situations that may affect the performance of Sun Management Center 3.0 software, refer to the:

- *System Management Services (SMS) 1.3 Installation Guide and Release Notes*
- *Sun Fire 15K/12K Dynamic Reconfiguration Release Notes*

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## Changes in Software

This section describes the changes in Sun Fire 15K/12K software add-on components between the release of Sun Management Center 3.0, Partner Update 3, software and this release of Sun Management Center 3.0, Platform Update 4, software.

All references to documents in this section apply to the *Sun Management Center 3.0 Supplement for Sun Fire 15K/12K Systems*, 816-5007-11, March 2003.

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**Note** – The Sun Fire Link PCI (WPCI) board and Parallel Optical Link (Paroli) card are not supported for this release.

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- Enhances performance of the Platform Config Reader (PCR) and the domain Dynamic Reconfiguration (DR) module.
- Enables the Platform/Domain State Management (PDSM) module to provide dynamic reconfiguration operations from the Sun Fire 15K/12K system controller as described in Chapter 7.
- Enables the Dynamic Reconfiguration module to provide dynamic reconfiguration operations from a domain as described in Chapter 8.
- Adds the following properties or property tables to the Platform Config Reader:
  - CPU and MaxCPU Board tables have a new property called `COD Enable`, which indicates whether a board is a COD board (see “CPU Board” or “MaxCPU Board” in Chapter 6).
  - Sun Fire Link PCI (WPCI) Board (see “WPCI Board” in Chapter 6).
  - Parallel Optical Link (Paroli) Card (see “Paroli Card” in Chapter 6).
  - Hot-swap PCI plus (HPCI+) Board (see “HPCI+ Board” in Chapter 6).
- Adds the following property tables to the Domain Config Reader:
  - Sun Fire Link PCI (WPCI) Board (see “WPCI Board” in Chapter 6).
  - Parallel Optical Link (Paroli) Card (see “Paroli Card” in Chapter 6).
  - Sun Fire Link Interface (WCI) (see “WCI” in Chapter 6).
  - Hot-swap PCI plus (HPCI+) Board to the HPCI Board table (see “HPCI/HPCI+ Board” in Chapter 6).
- Adds the following alarms to the Platform Config Reader:
  - POST Status Rule has a new status called `NO_LICENSE`, which means the component does not have a COD license (see “POST Status Rule (`scPOST`)” in Chapter 6).
  - Domain Status Alarm Rule, which generates an alarm depending on the domain’s status during domain boot, normal operations, and error recovery (see “Domain Status Alarm Rule (`scDmnSt`)” in Chapter 6).
  - Domain Bus Configuration Rule, which generates an alarm when one of the buses is unconfigured or in a degraded mode (see “Domain Bus Configuration Rule (`scBusCfg`)” in Chapter 6).
- Adds the following alarms to the Domain Config Reader:
  - Link Status Rule, which generates an alarm when the link is not up (see “Link Status Rule (`scLnkSt`)” in Chapter 6).
  - Link Valid Rule, which generates an alarm when the link is invalid (see “Link Valid Rule (`scLnkVld`)” in Chapter 6).
- Adds the following property table to the domain Dynamic Reconfiguration module under Attachment Points:

- Sun Fire Link PCI (WPCI) Board (see “WPCI” in Chapter 6).
- In the Platform/Domain State Management module, adds Show Status menu options to show status for platform dynamic reconfiguration operations (see “Showing Status” on page 188) and domain dynamic reconfiguration operations (see “Showing Status” in Chapter 7).
- Adds a Power State field to the Fan Tray table in the Platform/Domain State Management module (see “Fan Trays” in Chapter 7).

## Bugs Fixed

The following bugs were fixed for this release of software:

- PDSM Erroneously Submits addboard, deleteboard, and moveboard Commands (Bug ID 4452581)
- Indeterminate Status (Black Splat Alarm) Reported for Domain DR GUI (Bug ID 4470624)
- DR Operations Should Warn If No Permission To Perform Operation (Bug ID 4477361)
- Physical View Displays hPCI Card Instead of hPCI Cassette (Bug ID 4481009)
- Cannot Turn Fan Tray Power On After It Is Turned Off (Bug ID 4493412)
- Refresh Details Check Box Does Not Refresh Logical View (Bug ID 4380271)
- Details Window Shows Erroneous Message When Loading Hardware Information (Bug ID 4393225)
- Unconfigure Memory Progress Bar Is Not Working (Bug ID 4477189)
- DR Test Completion Does Not Update GUI in a Timely Manner (Bug ID 4523892)
- WCI Whose Paroli Cards Were Removed From a Cluster Should Not Display Information (Bug ID 4524907)
- MaxCPU Disconnect Dialog Box Does Not Appear (Bug ID 4525219)
- Indeterminate State Reported for Domain DR Module (Bug ID 4528042)
- Test Status for HPCI+ Board Not Always Displayed Correctly (Bug ID 4799479)

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## Preinstallation

This section discusses preinstallation steps you need to take before installing this release.

# Ensure SMS 1.3 Is Installed on Your System

This release of Sun Management Center 3.0 software for Sun Fire 15K/12K systems works *only* with System Management Services (SMS) 1.3 software.

## Before Installing Domain Dynamic Reconfiguration, Remove .dat File

If you have installed the Dynamic Reconfiguration module from Platform Update 3 (PU3), before installing the DR module from PU4, check for the presence of the following file:

```
/var/opt/SUNWsymon/cfg/dr-serengeti.dat
```

Then remove the file.

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## Required Patches

TABLE 1 shows the required Sun Management Center patches you need to install depending on which version of Sun Management Center 3.0 core software—RR (01/18/2002) or GA (03/04/2002)—is installed, and which version of the Solaris operating environment is installed on the host on which the agent layer is installed. The last row in TABLE 1 shows the System Management Services patch you also need to install.

**TABLE 1** Required Patches

Patch Number	3.0 Version (date)	Solaris Version
110973-11	RR (01/18/2002)	8,9
110972-11	RR (01/18/2002)	7
110971-11	RR (01/18/2002)	2.6
110861-09	RR (01/18/2002)	2.5.1
110938-11	GA (03/04/2002)	8,9
110937-11	GA (03/04/2002)	7



TABLE 1 Required Patches (Continued)

Patch Number	3.0 Version (date)	Solaris Version
110936-11	GA (03/04/2002)	2.6
110862-09	GA (03/04/2002)	2.5.1
114662-01	System Management Services 1.3	

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## Adapter Script

This release of Sun Management Center software for Sun Fire 15K/12K systems depends on installing with an adapter script. The script can be found in the `sunmanagementcenter_sunfiresupplements_3_03` directory. That directory also contains the software and documentation for this release. This release depends on Sun Fire 15K/12K add-on software and documents being downloaded from a Web site. For more information about the contents of the directory, refer to the *Sun Management Center 3.0 Platform Update 4 Supplement for Sun Fire 15K/12K Systems, Version 2*, “Installing From Downloaded Software.”

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## General Issues

This section discusses general issue for this release.

### Setup and Uninstall Scripts Stop With Corrupt `pkginfo` File

Sun Management Center 3.0 setup and uninstall scripts stop if they detect any corrupt `pkginfo` files anywhere on the system, not necessarily related to Sun Management Center software.

**Workaround:** Fix the package with the corrupt `pkginfo` file, and restart the setup or uninstall script.

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## Known Limitations

If there are any known limitations for the Sun Fire 15K/12K systems, System Management Services (SMS) 1.3 operations, or dynamic reconfiguration operations, they are documented in the:

- *System Management Services (SMS) 1.2 Installation Guide and Release Notes*
- *Sun Fire 15K/12K Dynamic Reconfiguration Release Notes*

These Release Notes describe known limitations for this release of the Sun Management Center 3.0 add-on software packages for the Sun Fire 15K/12K systems.

## Domain Config Reader Is Not Compatible With Veritas Netbackup SSO on a Tape Drive Connected to a SAN

If your tape drive is *not* connected to a storage area network (SAN), you are *not* affected by this problem.

If you have a StorageTek tape drive attached to a SAN, which is being used by Veritas Netbackup SSO, the Sun Management Center 3.0 Sun Fire 15K/12K Domain Config Reader is not compatible with the Veritas Netbackup SSO implementation. The Domain Config Reader does not issue commands that change the state or tape position of the device. However, because the tape device is attached to the SAN and is not a locally attached device, it can result in a SCSI being reset. The cause of the problem is that two separate hosts both can have devices opened at the same time.

*Workaround:* If you have this problem, contact your Sun service representative.

## PDSM Needs More Descriptive Error Messages

The Platform/Domain State Management (PDSM) module needs to describe what is wrong and what causes the error in its error messages.

*Workaround:* When you see an error while working in the PDSM module, look in these log files to see the status of the operation:

- `/var/opt/SUNWsymon/log/pdsm.log` or `platform.log`
- `/tmp/pdsm.log`
- console log file

- `/var/opt/SUNWSMW/SMS version/adm/platform/messages`, where *SMS version* is the running version of SMS, such as `SMS1.2`
- 

## Known Bugs

This section describes software bugs that were known at the time of this release and that you may notice or that can affect the operation of Sun Management Center 3.0 software for Sun Fire 15K/12K systems.

### Missing Cassette Information for WPCI Board (Bug ID 4810211)

If you have a C5V cassette in a Sun Fire Link peripheral component interconnect (WPCI) board, that cassette information will not show up in the Platform Config Reader views.

*Workaround:* None.

### When WPCI Board Is Powered Off, Entry for Cassette Is Still Present (Bug ID 4810224)

When a WPCI board is powered off, you will still see entries in the HPCI cassette table for an HPCI cassette in this board.

*Workaround:* Ignore these entries.

### Misleading Error Message on the Hardware Summary of the Hardware Tab on the Platform Config Reader Module (Bug ID 4810914)

When you bring up a host Detail view for the Platform Config Reader module, and click on the Hardware tab, you receive an error message saying `Loading Hardware Resources Failed`, even when the hardware summary loads successfully.

*Workaround:* Ignore this message if your hardware summary loads successfully.

## Last Full Refresh Property on Platform Config Reader System Table Does Not Show the Correct Date and Time (Bug ID 4817015)

The Last Full Refresh property on the System table in the Platform Config Reader module does not always show the correct date and time.

*Workaround:* Restart the Sun Management Center process on the system controller, and the table shows the correct data.

## Platform Agent on the SC Stops When SMS Is Stopped and Cache Refresh Occurs (Bug ID 4822944)

When System Management Services (SMS) is stopped on the system controller (SC), the Sun Management Center platform agent will stop when its next automatic cache refresh occurs (once every hour).

*Workaround:* Restart SMS, and then restart the Sun Management Center platform agent.

## May Not Be Able to Change an Access Control List for a Domain From the Sun Management Center GUI (Bug ID 4768650)

Sometimes if you attempt to make a change to a domain Access Control List (ACL) from the Sun Management Center GUI, the change will not occur and you will not receive an error message.

*Workaround:* If this happens, use this command on the system controller (SC) to change the domain ACL:

```
% setupplatform -p available -d domain_indicator [-a|-r] location
```

where *domain\_indicator* is the domain ID (A-R) or the domain tag you specified in the `addtag` command; where `-a` is for adding a location to the ACL and `-r` for removing a location from the ACL; and where *location* is the board location; for example, SB0 or IO3.

After you execute this command, refresh the Sun Management Center GUI, and the Domain *X* Info table, where *X* is the domain ID (A-R) in the Platform/Domain State Management (PDSM) module will reflect the change.

Refer to the Systems Management Service (SMS) Reference Manual for more information about using the `setupplatform` command.

