Sun™ Management Center 3.6 Version 2 Add-On Software Release Notes for Sun Fire™, Sun Blade™, and Netra™ Systems

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Contents

Sun Management Center 3.6 Version 2 Add-On Software Release Notes 1

What's New in This Release 1

Supported Systems and Environments 2

Recommended Patches 3

Documentation 3

Obtaining the Add-On Software 4

Installation 4

Updating From Sun Management Center 3.6 Software 5

- To Uninstall the 3.6 ELP Config-Reader Monitoring Add-On Software 6
- To Install the 3.6 Version 2 ELP Config-Reader Monitoring Add-On Software 6

Installing Sun Management Center 3.6 Software 6

- To Install Sun Management Center 3.6 Software 7

Packages for Sun Ultra 45 Workstations 7

Known Bugs 8

`es-validate` Command Sometimes Reports Erroneous Version on Agents 8

No Alarms Displayed in Physical View and Logical View 8

Using the `psradm` Command To Take CPUs Offline Does Not Generate an Alarm 8

Disk Count Incorrectly Includes the CD/DVD Drive 9

Hardware Summary Table Sometimes Unavailable on Netra 440/240 Systems 9

No Alarm, Network Interfaces Table Does Not Update After Unplugging Network Cable on Netra 440 Systems 9

Network Interfaces Table Displays QFE Name Properties in Erroneous Format on Netra 440 Systems 9

Fans Table Missing Description for FT1/F1 Fan on Netra 440 Systems 10

Other Components Table Missing Description for PDB Component on Netra 440 Systems 10

Media Devices Table Displays Erroneous Value for Type Property for DVD-ROM Devices on Netra 440 Systems 10

USB Data Missing in Locations Table and Logical View on Netra 240 and Sun Fire V240 Systems 11

Voltage Sensors Table Missing Property for Netra 440 and Sun Fire 240/210 Systems 11

Operational Status Not Updated For Some Changes on Netra 240 Systems 11

Platform Information and Control Library (PICL) Might Not Interpret Some System Configuration Changes 12

Physical Component Descriptions not Displaying on Sun Fire V440 and Netra 440/240 Servers 12

Physical View Does Not Display the CD/DVD Drive on Sun Fire V240 Servers 12

Data Missing from Physical View for Second Network Interface Connector on Netra 440, Sun Fire V440/V240, and Sun Blade 2500 Systems 13

Sun XVR-1200 Graphics Accelerator Could Be Incorrectly Listed as XVR-500 13

Physical View Incorrectly Displays Two CPU Fans on Sun Blade 2500 Workstations 14

Critical Temperature Values Might Not Trigger Alarms on Sun Blade 2500/1500 Workstations Due to Incomplete Config Reader Information 14

Physical View on Sun Blade 2500 Workstations Incorrectly Indicates PCI Slots As Populated 14

Physical View on Sun Blade (Silver) Platforms Might Not Display Accurate Chassis Colors, DIMM Duct, Disk Fan Assembly 15

Error Messages `prtdiag: not found` Displayed on Sun Fire T2000 Systems 15

Reloaded Module Does Not Display Platform Information on Sun Fire T2000 Systems 16

Sun Management Center Displays an Incorrect Platform Name for Sun Fire T2000 Systems 16

Sun Management Center 3.6 Version 2 Add-On Software Release Notes

This document contains release notes for the Sun™ Management Center 3.6 Version 2 add-on software for Sun Fire™, Sun Blade™, and Netra™ systems (or *ELP Config-Reader Monitoring*). The document includes the following sections:

- "What's New in This Release" on page 1
- "Supported Systems and Environments" on page 2
- "Recommended Patches" on page 3
- "Documentation" on page 3
- "Obtaining the Add-On Software" on page 4
- "Installation" on page 4
- "Packages for Sun Ultra 45 Workstations" on page 7
- "Known Bugs" on page 8

What's New in This Release

This section describes changes in Sun Management Center add-on software for Sun Fire, Sun Blade, and Netra systems between the release of Sun Management Center 3.6 software and this release of Sun Management Center 3.6 Version 2 add-on software. This new software release adds support for Sun Ultra™ 45 workstations.

Supported Systems and Environments

Sun Management Center 3.6 Version 2 add-on software supports the following systems:

- Netra 440 server
- Netra 240 server
- Sun Blade 1500 workstation
- Sun Blade 2500 workstation
- Sun Fire V210 server
- Sun Fire V240 server
- Sun Fire V250 server
- Sun Fire V440 server
- Sun Fire T2000 server
- Sun Ultra 45 workstation

TABLE 1 lists the software versions required for Sun Management Center 3.6 Version 2 add-on software.

TABLE 1 Minimum Required Software Versions

Host	Required Software	Version
Server machine	Solaris Operating System[1]	8, 9, 10[2]
	Sun Management Center server base software	3.6
	Sun Management Center ELP Config-Reader Monitoring add-on software	3.6 Version 2
Monitored platform	Solaris Operating System[1]	Depends on platform[2]
	Sun Management Center base software	3.6
	Sun Management Center ELP Config-Reader Monitoring add-on software	3.6 Version 2
Workstations or common network location (for console layer)	Solaris Operating System[1]	8, 9, 10
	Sun Management Center console base software	3.6

1 Solaris Operating System distribution must be at least "End User Systems Support."

2 The Solaris operating environment is dependent on the supported platform. Refer to the platform documentation for details of the Solaris version supported by your platform.

Note – The Sun Management Center server and agent machines need to use the same versions of add-on software.

Recommended Patches

Solaris software patches and Sun Management Center patches might be available for the core Sun Management Center 3.6 application and for this add-on software. You must install all the patches required for your operating system before installing Sun Management Center 3.6 software and this add-on.

If you have a Sun service contract, you can download the patches from:

http://sunsolve.sun.com

For more information about the patches required for the latest update to Sun Management Center 3.6 software, see the corresponding *Sun Management Center Software Release Notes*.

Documentation

This document contains additional information to supplement the *Sun Management Center 3.6 Supplement for Sun Fire, Sun Blade and Netra Systems* (819-1153). Also refer to the preface of that document for a full list of related documentation.

You can find Sun documentation at:

http://www.sun.com/documentation/

Obtaining the Add-On Software

The Sun Management Center 3.6 Version 2 add-on software packages are supplied in a zip file on the software download site at:

http://wwws.sun.com/software/download/index.html

If you do not see the listing for Sun Management Center 3.6 Version 2 under New Downloads, use the A-Z Index of All Products to find the software[1].

Installation

Refer to the *Sun Management Center Installation and Configuration Guide* for information about installing and setting up Sun Management Center 3.6 software. The *Sun Management Center 3.6 Supplement for Sun Fire, Sun Blade, and Netra Systems* describes general information about installing the version of this ELP Config-Reader Monitoring add-on software included with the core Sun Management Center 3.6 software. However, this 3.6 Version 2 add-on software is installed using a separate zip file, requiring a change to the installation procedure. FIGURE 1 shows a high-level view of the installation process.

Caution – Use the installation scripts and the setup scripts provided with the Sun Management Center software. Do *not* manually add packages or manually change configuration files.

1. Sun Management Center products might be listed under M for *Management*.

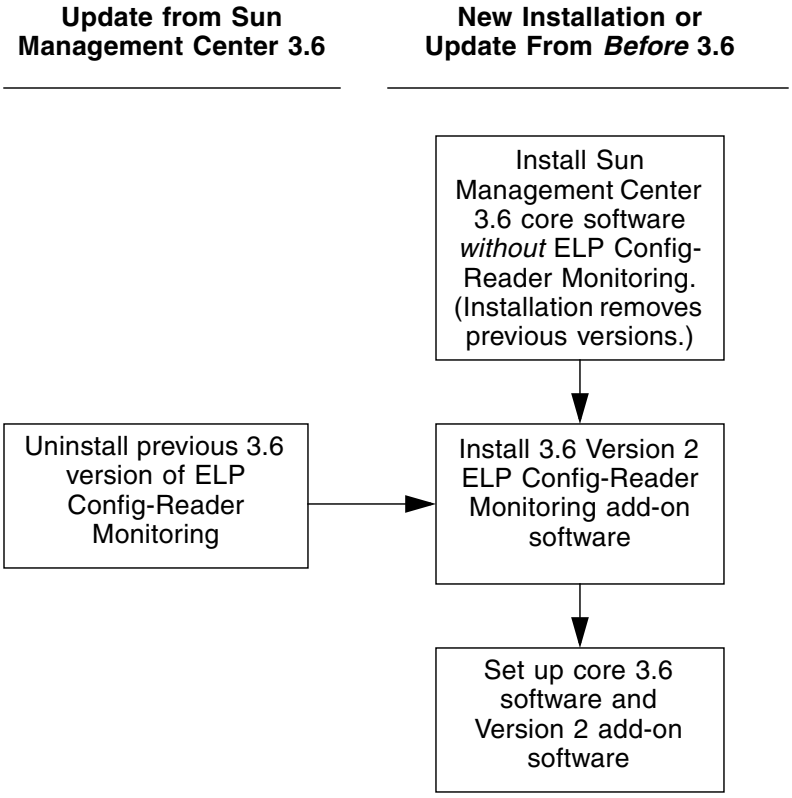

FIGURE 1 Installation Process Flow

Updating From Sun Management Center 3.6 Software

If you have already installed core Sun Management Center 3.6 software on your server and console systems, use the following procedures:

- "To Uninstall the 3.6 ELP Config-Reader Monitoring Add-On Software" on page 6 — If the version of this ELP Config-Reader Monitoring add-on software included with the core Sun Management Center 3.6 software is installed on any systems in your configuration, you must follow this procedure. Otherwise, you may skip this step.
- "To Install the 3.6 Version 2 ELP Config-Reader Monitoring Add-On Software" on page 6 — Follow this procedure to install this Sun Management Center 3.6 Version 2 ELP Config-Reader Monitoring add-on software.

▼ To Uninstall the 3.6 ELP Config-Reader Monitoring Add-On Software

1. **Refer to the** *Sun Management Center Installation and Configuration Guide***.**

   The appendixes of the installation and configuration guide provide instructions for uninstalling add-on products using the `es-guiuninst` wizard or the `es-uninst` command-line script. Uninstall *only* the ELP Config-Reader Monitoring add-on software.

▼ To Install the 3.6 Version 2 ELP Config-Reader Monitoring Add-On Software

1. **Download the software.**

   Refer to "Obtaining the Add-On Software" on page 4 of this document for information about obtaining the software.

2. **Unzip the zip file to a directory located at a path named** *downloadpath***.**

3. **Log in as superuser on the host machine.**

4. **Change the directory to the path where the core Sun Management Center 3.6 software is installed.**

   The directory will look similar to this:

   installed_directory`/SUNWsymon/sbin`

5. **Run the `es-guiinst` or `es-inst` installation script with a pointer to the path named** *downloadpath* **described in** Step 2**.**

   You will see a list of add-on products that you can install.

6. **Choose the ELP Config-Reader Monitoring add-on product.**

7. **Complete the remaining steps in the installation script.**

8. **Follow the steps to set up the software.**

   The installation wizard will prompt you to set up the software. For more information, refer to the *Sun Management Center Installation and Configuration Guide*.

Installing Sun Management Center 3.6 Software

If you have not yet installed any Sun Management Center 3.6 software, you must install it *before* installing this Version 2 add-on software.

Note – The installation process for Sun Management Center 3.6 software includes uninstallation of previous releases of Sun Management Center software. Refer to the *Sun Management Center Installation and Configuration Guide* for detailed information about upgrading from earlier releases.

▼ To Install Sun Management Center 3.6 Software

1. **Refer to the** *Sun Management Center 3.6 Supplement for Sun Fire, Sun Blade, and Netra Systems* **for information about preparing for installation.**
2. **Refer to the** *Sun Management Center Installation and Configuration Guide* **for instructions for installing the core software.**

   If you are updating a previous release of Sun Management Center software, read the information about updating the software from your currently installed release.

   a. Do *not* install ELP Config-Reader Monitoring as part of this step.

   In the course of performing this installation you will come to a dialog that allows you to select from a list of add-on products (Figure 1-3, "Add-on Products," in the *Sun Management Center 3.6 Installation and Configuration Guide*). *Do not* install the add-on product ELP Config-Reader Monitoring.
3. **Perform the steps outlined in the procedure** "To Install the 3.6 Version 2 ELP Config-Reader Monitoring Add-On Software" on page 6**.**

Packages for Sun Ultra 45 Workstations

Updated packages are installed with this release to support the newly supported model. TABLE 2 lists the server and agent components for Sun Ultra 45 workstations.

TABLE 2 Platform-Specific Packages for Sun Ultra 45 Workstations and Sun Blade 2500/1500 Systems

Package	Description	Layer
SUNWescws	Sun Management Center Common Config Reader Module Sun Blade 1500/2500/A70 Server Platform Component	Server
SUNWescwa	Sun Management Center Common Config Reader Module Sun Blade 1500/2500/A70 Agent Platform Component	Agent

Known Bugs

This section describes software bugs known at the time of this release that you might notice or that can affect the operation of Sun Management Center 3.6 Version 2 add-on software.

`es-validate` Command Sometimes Reports Erroneous Version on Agents

After installation of localized packages has occurred, the `es-validate` command erroneously displays the value `3.5` in the Version column for this release of the ELP Config-Reader Monitoring software. When this happens, you might also see an erroneous, older copyright date during a CLI installation and in the installer log file.

Workaround: Use the `pkginfo` command to obtain accurate information about the packages.

[6331414, 6362964]

No Alarms Displayed in Physical View and Logical View

Alarms are not displayed in the Physical View and Logical View.

Workaround: Rely on the tables and the Alarms tab for for alarms.

[6328440]

Using the `psradm` Command To Take CPUs Offline Does Not Generate an Alarm

An alarm is not generated by the agent when a CPU is taken offline using the command `psradm -f`. Additionally, when the CPU is brought back online, the Processors table does not immediately update the CPU as online.

Workaround: To see an updated status, click on other tables in the GUI and then click back on the table of interest. A default refresh interval updates all the tables once an hour. [6296273]

Disk Count Incorrectly Includes the CD/DVD Drive

The Total Disks in the Hardware Summary of the Hardware tab (the System node property value for Total Disks) incorrectly includes the CD/DVD drive. Thus, on platforms with four disks and an optical drive, the Disk Count displays 5.

Workaround: None.

[6307965]

Hardware Summary Table Sometimes Unavailable on Netra 440/240 Systems

On Netra 440/240 systems, the Hardware Summary table sometimes does not display.

Workaround: Close the Details window, then launch it again.

[6339819]

No Alarm, Network Interfaces Table Does Not Update After Unplugging Network Cable on Netra 440 Systems

On Netra 440 systems, if a network cable is unplugged, no alarm is generated. Further, the Network Interfaces table is not updated to indicate that the cable is unplugged.

Workaround: None.

[6316230]

Network Interfaces Table Displays QFE Name Properties in Erroneous Format on Netra 440 Systems

On Netra 440 systems with QFE cards, the Network Interfaces table displays values for the Name property in an erroneous format.

Workaround: None.

[6316212]

Fans Table Missing Description for FT1/F1 Fan on Netra 440 Systems

On Netra 440 systems running Solaris 10 Operating System, the Fans table erroneously displays the value double-dash (--) for the Description property for the FT1/F1 fan.

Workaround: None.

[6312442]

Other Components Table Missing Description for PDB Component on Netra 440 Systems

For PDB components on Netra 440 systems, the Other Components table erroneously displays the value double-dash (--) for the Description property.

Workaround: Use the `prtfru` command to see the PDB component description.

[6296414]

Media Devices Table Displays Erroneous Value for Type Property for DVD-ROM Devices on Netra 440 Systems

For DVD-ROM devices on Netra 440 systems, the Media Devices table erroneously displays the value double-dash (--) for the Type property.

Workaround: Use the `prtpicl` command to determine the type of media device.

[6273317]

USB Data Missing in Locations Table and Logical View on Netra 240 and Sun Fire V240 Systems

The Locations table and the Logical View do not display information about USB locations on Netra 240 and Sun Fire V240 systems.

Workaround: None.

[6282761]

Voltage Sensors Table Missing Property for Netra 440 and Sun Fire 240/210 Systems

The environmental Voltage Sensors table does not display the PSU Power OK fault sensor property, `ps0_ff_pok`, for Netra 440 and Sun Fire 240/210 systems running Solaris 10.

Workaround: Use the `prtdiag` command to obtain the status of voltage sensors.

[6262605]

Operational Status Not Updated For Some Changes on Netra 240 Systems

The value of Operational Status is sometimes not updated on Netra 240 systems, despite changes that should trigger such a change. The following events fail to trigger an expected change in Operational Status:

- Stopped fan – In the Tachometers table, the value of Operational Status remains OK even after the fan has stopped.

  Workaround: Observe the alarms in the Alarms tab and Fan table properties for accurate fan status.

- Current over limit – In the environmental Current Sensors table, the value of Operational Status remains OK even when the current has exceeded the threshold.

  Workaround: Observe the alarms in the Alarms tab, as well as the value of Current Reading in the environmental Current Sensors table.

- Voltage exceeds low warning threshold – In the environmental Voltage Sensors table, the value of Operational Status remains OK even when the voltage has exceeded the threshold.

Workaround: Observe the alarms in the Alarms tab, as well as the value of Current Reading in the environmental Voltage Sensors table.

[6302256]

Platform Information and Control Library (PICL) Might Not Interpret Some System Configuration Changes

On Netra 440/240 and Sun Fire V240 servers with Solaris 10 OS, PICL might not interpret some system configuration changes after initialization, such as the `bge1-bge3` drivers. The instances for these drivers are reflected in the output of the `prtconf -v` command but not in the output of the `prtpicl -v` command.

Workaround: Realign PICL with the prtconf utility by executing the command `svcadm restart picl`.

[6243759]

Physical Component Descriptions not Displaying on Sun Fire V440 and Netra 440/240 Servers

The physical component descriptions of the Entry Level Platforms Config Reader incorrectly display the value double-dash (--) as Model Name, Part Number, Version, and Serial Number on Sun Fire V440 servers with Solaris 9 4/04 and Solaris 10 OS.

Workaround: None.

[6289784]

Physical View Does Not Display the CD/DVD Drive on Sun Fire V240 Servers

The Physical View of Sun Fire V240 servers with Solaris 8 OS does not display the CD/DVD drive. Information similar to the following is displayed:

```
sd30     Soft Errors: 0 Hard Errors: 2 Transport Errors: 0
Vendor: TEAC    Product: DV-28E-C        Revision: 1.4B Serial No:
Size: 18446744073.71GB <-1 bytes>
Media Error: 0 Device Not Ready: 2 No Device: 0 Recoverable: 0
Illegal Request: 0 Predictive Failure Analysis: 0
```

Workaround: None.

[6300856]

Data Missing from Physical View for Second Network Interface Connector on Netra 440, Sun Fire V440/V240, and Sun Blade 2500 Systems

On the cited platforms running Solaris 8 OS, information pertaining to the *second* network interface connector (`ce1`) is not reported in the Memory Modules or Network Interfaces tables, nor in the Physical View. Information pertaining to the *first* network interface connector (`ce0`) is reported and displayed.

[6328158]

Sun XVR-1200 Graphics Accelerator Could Be Incorrectly Listed as XVR-500

The Sun XVR-1200 Graphics Accelerator might incorrectly use the same device name as the Sun XVR 500 graphics accelerator and thus be listed as XVR-500 in the Expansion Card Table and Physical View.

Workaround: To verify if the graphics accelerator is listed correctly, check the IO Devices section of the output of the command

`/usr/platform/`*`platform-name`*`/sbin/prtdiag`

In this command, *platform-name* must be replaced with the entire output of the `uname -i` command on your system.

[4856644]

Physical View Incorrectly Displays Two CPU Fans on Sun Blade 2500 Workstations

On Sun Blade 2500 workstations with one CPU, the Physical view incorrectly displays two CPU fans. This issue also results in a blue alarm for the nonexistent second CPU fan, displaying the value `Lost Comms` for the Operational Status property in the Fans table.

Workaround: None.

[5067998]

Critical Temperature Values Might Not Trigger Alarms on Sun Blade 2500/1500 Workstations Due to Incomplete Config Reader Information

The Environmental Sensors/Temperature Sensors table of the ELP config reader on Sun Blade 2500/1500 workstations do not list some sensors. This situation could result in critical temperatures not triggering alarms. TABLE 3 lists the temperatures that are included and missing on each workstation model.

TABLE 3 Temperature Sensors on Sun Blade 2500/1500 Workstations

Workstation Model	Listed Temperature Sensors	Missing Temperature Sensors
Sun Blade 2500	`Ambient-0`, `CPU Die`, `hard-disk`	`sys-in`, `sys-out`, `Ambient-1`
Sun Blade 1500	`Ambient`, `Die CPU`	`sys-in`, `Ambient`

Workaround: Whle all these temperature readings are listed in the PICL output, there is no workaround for the missing alarms.

[6297620, 6298965]

Physical View on Sun Blade 2500 Workstations Incorrectly Indicates PCI Slots As Populated

On Sun Blade 2500 workstations, the rear view of the Physical view incorrectly indicates PCI card slots as populated. For example, on a system with only one PCI card in slot 5, the rear view indicates that slots 0, 2, 3, 4, and 5 are populated.

However, none of the nonexistent card images are highlighted when the mouse is moved over them. Only the image for the slot with the card inserted (5 in this example) is correctly highlighted.

Workaround: Move the mouse over the slots indicated as populated to verify that they are actually populated. The correctly populated slot is highlighted when the mouse is moved over it.

[6316693]

Physical View on Sun Blade (Silver) Platforms Might Not Display Accurate Chassis Colors, DIMM Duct, Disk Fan Assembly

Some of the images displayed in the Topology view and the platform Physical view might not match the actual physical colors for Sun Blade 2500/1500 (Silver) systems. In such cases, these views display instead the colors for Sun Blade 2500/1500 (Red) systems.

In addition, the System-Side Physical View, which displays the Motherboard and other internal components for the Sun Blade 2500 (Silver) platform, also does not display the DIMM Duct or the Disk Fan assembly.

Workaround: None.

[6210876]

Error Messages `prtdiag: not found` Displayed on Sun Fire T2000 Systems

During installation of the core Sun Management Center 3.6 software on Sun Fire T2000 systems, the following error messages might be displayed multiple times and should be ignored.

```
/opt/SUNWsymon/sbin/es-inst: /usr/platform/sun4u/sbin/prtdiag:
not found
```

Workaround: None.

[6304450]

Reloaded Module Does Not Display Platform Information on Sun Fire T2000 Systems

In the Module Manager tab, you can use Unload to unload the ELP Config-Reader Monitoring software module on a Sun Fire T2000 system. If you then use Load to reload the software module, the Module Browser information for the Sun Fire T2000 systems is not displayed.

Workaround: Perform the following for a temporary fix:

```
# ./es-stop -a
# ./es-start -a
```

[6364394]

Sun Management Center Displays an Incorrect Platform Name for Sun Fire T2000 Systems

Sun Management Center incorrectly displays `Sun-Fire-T200` as the platform name for Sun Fire T2000 systems. The Sun Fire T2000 system controller correctly displays `Sun-Fire-T2000` as the platform name.

Workaround: None.

[6321787]