



# Sun™ Management Center 4.0 Version 5 Add-On Software Release Notes

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SPARC® Enterprise, Sun Fire™, Sun Blade™,  
Sun Ultra™, and Netra™ systems

Sun Microsystems, Inc.  
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# Sun Management Center 4.0 Version 5 Add-On Software Release Notes

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This document contains release notes for the Sun™ Management Center 4.0 Version 5 add-on software (also known as the *Common Config Reader* or *ELP Config Reader*) for SPARC® Enterprise, Sun Fire™, Sun Blade™, Sun Ultra™, and Netra™ systems. 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 4](#)
- [“Obtaining the Add-On Software” on page 6](#)
- [“Installation” on page 6](#)
- [“Issues and Workarounds” on page 9](#)

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## What’s New in This Release

Sun Management Center 4.0 Version 5 add-on software adds support for Sun SPARC Enterprise T5440 servers, SunBlade T6340 Blade servers, and Sun Fire USBRDT 5240 Uniboard systems.

Server/console packages for x86 consoles are now provided to allow SPARC agent platforms to be monitored from x86 consoles. Support for x86 consoles is only included in core Sun Management Center 4.0, or later.

# Supported Systems and Environments

TABLE 1 lists the software versions required for Sun Management Center 4.0 Version 5 add-on software.

**TABLE 1** Minimum Required Software Versions

Host	Required Software	Version
Server machine	Solaris™ Operating System * \	8, 9, 10 Server supported S10U3 & newer, and Console S9 & S10U3 & newer are required for x86 support
	Sun Management Center server base software	3.6, 3.6.1 or 4.0 release required for systems without x86 support. 4.0 Core release required for x86 support
	Sun Management Center ELP Config-Reader Monitoring add-on product (Common Config Reader) software	4.0 Version 5 or later.
Monitored platform	Solaris Operating System kernel update <sup>1 2</sup>	8 - kernel update 122702-02 or higher 9 - kernel update 118558-26 or newer 10 - kernel update 119850-18 or newer
	Sun Management Center base software	3.6, 3.6.1, or 4.0 Core release
	Sun Management Center ELP Config-Reader Monitoring add-on product (Common Config Reader) software	4.0 Version 5 or later.
Workstations or common network location (for console layer)	Solaris Operating System <sup>1</sup> , for SPARC	8, 9, 10
	Solaris Operating System <sup>1</sup> , for x86.	Server supported S10U3 & newer Console S9 & S10U3 newer
	Sun Management Center console base software	3.6, 3.6.1, or 4.0 Core release

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

\ 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.

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**Note** – The Sun Management Center server and agent machines must use the same version of the add-on software.

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Sun Management Center 4.0 Version 5 add-on software supports the following platforms:

- Netra 210 Server
- Netra 240 Server
- Netra 440 Server
- Netra T2000 Server
- Netra T5220 Server
- Netra T5440 Server
- Sun Blade 1500 Workstation
- Sun Blade 2500 Workstation
- Sun Blade T6300 Server
- Sun Blade T6320 Server
- Sun Blade T6340 Server
- Sun Fire V125 Server<sup>1</sup>
- Sun Fire V210 Server<sup>1</sup>
- Sun Fire V215 Server
- Sun Fire V240 Server
- Sun Fire V245 Server
- Sun Fire V250 Server
- Sun Fire V440 Server
- Sun Fire V445 Server
- Sun Ultra 25 Workstation
- Sun Ultra 45 Workstation
- Sun Fire T1000 Server<sup>2</sup>
- Sun Fire T2000 Server
- Sun SPARC Enterprise T1000 Server
- Sun SPARC Enterprise T2000 Server
- Sun SPARC Enterprise T5120 Server
- Sun SPARC Enterprise T5140 Server
- Sun SPARC Enterprise T5220 Server
- Sun SPARC Enterprise T5240 Server
- Sun SPARC Enterprise T5440 Server
- Sun Fire USBRDT 5240 Uniboard

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1. Sun Management Center 4.0 Version 5 requires ALOM 1.6.7, or later, on these systems.

2. Both single- and dual-drive versions of the Sun Fire T1000 server are supported.

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## Recommended Patches

Solaris software patches and Sun Management Center patches are available for the core Sun Management Center 4.0 application and for this add-on software. You must install all the patches required for your operating system before installing Sun Management Center 4.0 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 4.0 software, see the corresponding *Sun Management Center Software Release Notes*.

These release notes contain information to supplement the *Sun Management Center 4.0 Installation and Configuration Guide*, 820-2215. Also refer to the preface of that document for a full list of related documentation.

You can find Sun Management Center 4.0 documentation and add-on software release notes at:

<http://docs.sun.com/app/docs/coll/1734.1>



# Sun Fire USBRDT 5240 Uniboard Support For High-End and Midrange Systems

Monitoring of USBRDT 5240 boards on Sun Fire E25K/E20K and 15K/12K (High-End) Systems requires both SMS 1.6 plus patches (refer to SunSolve) and Sun Management Center 3.5 V6 add-on plus Sun Management Center 3.5 V6 patches (see [TABLE 2](#) for patch information). Otherwise, the USBRDT 5240 boards will appear as unknown boards in these systems.

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**Note** – Agent patches should be installed on the SC.

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**TABLE 2** Sun Fire High-End Systems USBRDT 5240 Uniboard Patches

OS	Patch	Location
Solaris 8	140024-01	server patch
	140361-01	server & agent patch
Solaris 9	140021-01	agent patch
	140025-01	server patch
	140362-01	server & agent patch
Solaris 10	140022-01	agent patch
	140026-01	server patch
	140363-01	server & agent patch

Monitoring of USBRDT 5240 boards on Sun Fire E6900/E4900 and 6800/4800 (Midrange) Systems requires both ScApp 5.21.0 or later (refer to SunSolve) and Sun Management Center 3.5 V6 add-on plus Sun Management Center 3.5 V6 patches (see [TABLE 3](#) for patch information). Otherwise, the USBRDT 5240 boards will appear as unknown boards in these systems.

**TABLE 3** Sun Fire Midrange Systems USBRD 5240 Uniboard Patches

OS	Patch	Location
Solaris 8	123471-03	agent patch
	137796-01	server patch
Solaris 9	123472-03	agent patch
	137796-01	server patch
Solaris 10	121770-03	agent patch
	137796-01	server patch

For information, and availability, of SMS, ScApp, and Sun Management Center patches for USBRDT 5240 board support, refer to SunSolve.

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## Obtaining the Add-On Software

The Sun Management Center add-on software packages are provided as a zipped file on the software download sites:

<http://www.sun.com/software/download/>

<http://www.sun.com/downloads/>

If you do not see the listing for Sun Management Center under the “New Downloads”, tabs use the index under the “Downloads A-Z” tab<sup>3</sup> or use the “View by Category” tab and look in the “System Administration” section under “System Management”.

The software is also available from <http://www.sun.com/software/> under the “Sun N1 Software” selection by clicking on the “Sun Management Center” link and selecting “Get Sun Management Center 4.0”.

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## Installation

If you plan to install and set up the Sun Management Center 4.0 Version 5 add-on software on top of core Sun Management Center 4.0, refer to the *Sun Management Center 4.0 Installation and Configuration Guide*.



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

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Only install the Sun Management Center 4.0 Version 5 add-on software on core Sun Management Center 3.6, or 3.6.1 or Sun Management Center 4.0 or later.

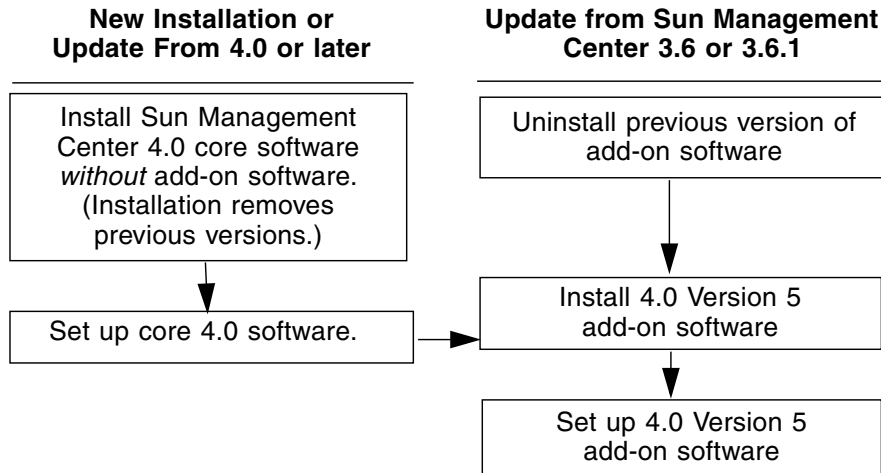
If you plan to continue using core Sun Management Center 3.6 or 3.6.1, uninstall any previously installed version of the add-on software before you install the Sun Management Center 4.0 Version 5 add-on software.

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3. Sun Management Center products may be listed under S for Sun Management.

This Sun Management Center 4.0 Version 5 add-on software is installed using a separate zip file, requiring a change to the installation procedure. [FIGURE 1](#) shows the installation process.

**FIGURE 1** Installation Process Flow



## Installing Sun Management Center 4.0 Software

If you have not yet installed any core Sun Management Center 3.6, 3.6.1, or 4.0 software, you must install that *before* installing this Version 5 add-on software.

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**Note** – The installation process for Sun Management Center 4.0 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.

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### ▼ To Install Sun Management Center 4.0 Software

1. **Refer to the *Sun Management Center 4.0 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.

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**Note** – Do *not* install Common Config Reader as part of this step.

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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. *Do not* install the Common Config Reader add-on product.

3. **Perform the steps outlined in the procedure “To Install the 4.0 Version 5 Add-On Software” on page 8.**

## ▼ To Install the 4.0 Version 5 Add-On Software

1. **Download the software.**

Refer to “[Obtaining the Add-On Software](#)” on page 6 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 4.0 software is installed.**

The directory will look similar to this:

*installed\_directory/SUNWsymon/sbin*

5. **Run the `es-guiinst` or `es-inst` installation script.**

You will be prompted to enter a pointer to the path named

*downloadpath/disk1/image/*

using *downloadpath* as described in [Step 2](#). You will then 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 included 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*.

## Updating From Sun Management Center 3.6 or 3.6.1 Software

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

- [“To Uninstall Previous Versions of the Add-On Software” on page 9](#) — If the version of the 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 4.0 Version 5 Add-On Software” on page 8](#) — Follow this procedure to install the Sun Management Center 4.0 Version 5 add-on software.

### ▼ To Uninstall Previous Versions of the Add-On Software

- **Refer to the *Sun Management Center 4.0 Installation and Configuration Guide*.**

The appendixes of the 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 Monitor` add-on software.

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## Issues and Workarounds

This section describes software issues and workarounds known at the time of this release that you might notice or that can affect the operation of Sun Management Center 4.0 Version 5 add-on software.

### Alarm Tab in Details Window Is Not in Sync With Agent

This happens when an alarm is already available against an item (a processor status, a disk error count, a particular sensor value, etc.) and new alarm occurs on the same item. The alarm tab does not update the new alarm unless there is a change in the status value.

[6548517]

## Console Falsely Displays Description Information

If an object is newly created without Description information, the Sun Management Center Console's Info tab, instead of showing a blank entry in the field, displays information in the Description field of an existing object created with a non-blank Description field.

*Workaround:* Make sure that the Description information is included when creating new objects.

[6585734]

## Sun Management Center Does Not Show NEM Entities

On Sun Blade servers, Network Expansion modules (NEM) do not appear in the Expansion Cards table portion in the Config Reader.

*Workaround:* None.

[6628809]

## Physical View Does Not Display Service Processor

The physical view (front) of the Sun Blade T6320 Server Module should highlight the service processor (and display its properties in the right hand side window) when the mouse is moved over the image. Currently there's no such information displayed in the physical view.

*Workaround:* The service processor properties are correctly displayed in the Other Components table.

[6628816]

## Console Does Not Display SAN (MPXIO) For V440 Systems

Sun Management Center is unable to show SAN disk info in for the V440 machine.

*Workaround:* None.

[6655853]

## Processors Table Does Not Appear in Web Console

The Web Console (browser based [https://<server\\_system>:6789](https://<server_system>:6789)), to view an agent system, the Hardware -> Config Reader -> Device Information node may not expand to show the tables within that node (Processors, Media Devices, Network Interfaces, Indicators and Other Devices). If there is no triangle icon beside the Device Information node, then it cannot be expanded.

*Workaround:* Use the Java GUI Console instead of the Web Console.

[6662409]

## System Table and Media Devices Table Show the Wrong Number of HDD

A Netra T2000 configured with two HDD will incorrectly display four HDD on the system table and media devices table. It will display the two non-existent HDD in unconfigured status.

*Workaround:* Treat HDD2 and HDD3 as non-existent on a Netra T2000 configured with two HDD.

[6665401]

## Sun Management Center Displays All Disks as “Not Configured” With LDomS Setup

With LDomS setup, the Sun Management Center Media devices table shows “Not Configured” as the Availability status for all disks. The physical path and type of the disk are also not displayed on the table. Without LDomS setup, the correct status (Running/Full power) is displayed. This issue occurs on Sun SPARC Enterprise T2000 Systems.

*Workaround:* Use the `cfgadm -al` command to determine the status of the disks in LDomS environment.

[6666611]

## Sun Management Center Updates Spare/No-intr Processors Incorrectly On LDoms System

When a CPU is made "no-intr" or "spare" (via `psradm -n` and `psradm -s`), the status returned by the LDoms controller software is incorrect. When the CPU is "no-intr" the returned status is online, when the CPU is "spare" the returned status is offline.

*Workaround:* To know the exact status of processors in a LDoms system, rely on the `psrinfo` command.

[6730867]

## Environmental Sensor Faults Not Reported Correctly at Threshold Values

When a temperature (or voltage) sensor's value is a threshold value, a fault is not reported for LowWarn (nc - non-critical) value; and a "Lower non-critical threshold exceeded" warning is reported for LowSoft (cr - critical) value.

[6738914]

## Fan Tach Sensors Not Reporting Correct Faults at Different Fan Speeds

When a fan tach sensor's value dips below the warning or critical level, there are no Sun Management Center alarms. Only when the speed goes below the non-recoverable threshold is there an alarm.

*Workaround:* This issue is fixed in the next release of ILOM.

[6739954, 6740517]

## Config Reader Tables and Physical Views Do Not Display REM, FEM

On a Sun Blade T6320, the Expansion Cards table will not show Raid Expansion Modules (REMs) or Fabric Expansion Modules (FEMs). It will only show Expansion Modules (EMs), for blade systems. The Other Components table will show the REMs. In addition, the physical view (front) of the Sun Blade T6320 Server Module



does not highlight the REM and FEM (and display their properties in the right hand side window) when the mouse is moved over the image. Currently, there is no such information displayed in the table or the physical view.

*Workaround:* None.

[6746822]

## Processors Table Should Not Generate Blue Alarms for Free CPU Resources

The Sun Management Center processor table generates a blue alarm while there are free CPU resources available. The processor table generates alarms with status "UNKNOWN" when there are free CPUs which are not assigned to the primary domain or any LDom's domain. In fact, those CPU are free and can be added to any domain.

*Workaround:* None.

[6751176]

## Processors Table Changes With Configuring Primary Domain

On a system with LDom's, Sun Management Center dynamically updates the processors table while configuring the primary domain. The processors unallocated to the primary domain are forced to 'Unknown' state in the configuration mode itself. Since Sun Management Center makes the changes dynamically and LDom's makes the changes only on a next powercycle this leaves the two out of sync.

*Workaround:* Rely on `psrinfo` to check the correct state of processors in the configuration mode.

[6751418]

## System Processor Passes Incorrect Minspeed Value to `dpdump`

The System Processor sends `showenvironment` fan output value of 'Warn' instead of 'Low' for minspeed. The effect is that when the fan speed drops below the 'Warn', Sun Management Center displays a critical alarm instead of a warning alarm. This appears on Sun Fire T1000 systems.

*Workaround:* Rely on `showenvironment` to check the correct threshold values.

[6751419]

## Network Interfaces Table Does Not Update When NIC is Hotplugged

The Network interfaces table is not updated when a network interface card (NIC) is hotplugged into or out of a blade system.

*Workaround:* Restart the Sun Management Center agent after a NIC is hotplugged to obtain a valid Network Interfaces table.

[6756972]