Sun™ Management Center 3.6
Version 6 Add-On Software
Release Notes

For Sun Fire™, Sun Blade™, Netra™,
and Sun Ultra™ Systems
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Sun Management Center 3.6 Version 6 Add-On Software Release Notes

This document contains release notes for the Sun™ Management Center 3.6 Version 6 add-on software for Sun Fire™, Sun Blade™, Sun Ultra™, 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 4
- “Obtaining the Add-On Software” on page 4
- “Installation” on page 4
- “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, Sun Ultra, and Netra systems between the release of Sun Management Center 3.6 Version 5 software and this release of Sun Management Center 3.6 Version 6 add-on software.

LDOM Support in Sun Management Center

Sun Management Center 3.6 Version 6 supports LDOM 1.0.
Support for Blade Server Slot Position Added

The Hostname field in the System table now includes the slot number for Blade Servers. For example, for a Blade Server named myhost:

```
slot 06, myhost
```

Supported Systems and Environments

Sun Management Center 3.6 Version 6 add-on software adds support for the following system:

- Sun Blade T6300 Server

TABLE 1 lists the software versions required for Sun Management Center 3.6 Version 6 add-on software.

<table>
<thead>
<tr>
<th>Host</th>
<th>Required Software</th>
<th>Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>Server machine</td>
<td>Solaris Operating System(^1)</td>
<td>8, 9, 10(^2)</td>
</tr>
<tr>
<td></td>
<td>Sun Management Center server base software</td>
<td>3.6</td>
</tr>
<tr>
<td></td>
<td>Sun Management Center ELP Config-Reader Monitoring add-on software</td>
<td>3.6 Version 6 or later.</td>
</tr>
<tr>
<td>Monitored platform</td>
<td>Solaris Operating System(^1)</td>
<td>Depends on platform(^2)</td>
</tr>
<tr>
<td></td>
<td>Sun Management Center base software</td>
<td>3.6</td>
</tr>
<tr>
<td></td>
<td>Sun Management Center ELP Config-Reader Monitoring add-on software</td>
<td>3.6 Version 6</td>
</tr>
<tr>
<td>Workstations or common network location (for console layer)</td>
<td>Solaris Operating System(^1)</td>
<td>8, 9, 10</td>
</tr>
<tr>
<td></td>
<td>Sun Management Center console base software</td>
<td>3.6</td>
</tr>
</tbody>
</table>

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 must use the same versions of add-on software.

Sun Management Center 3.6 Version 6 add-on software also supports the following platforms:

- Netra 210 server
- Netra 240 server
- Netra 440 server
- Netra T2000 server
- Sun Blade 1500 workstation
- Sun Blade 2500 workstation
- Sun Fire V125 server
- Sun Fire V210 server
- 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 Fire T1000 server
- Sun Fire T2000 server
- Sun Ultra 25 workstation
- Sun Ultra 45 workstation

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.

1. Support is included for both single- and dual-drive versions of the Sun Fire T1000 server.
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 6 add-on software packages are supplied in a zip file on the software download site at:

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

If you do not see the listing for Sun Management Center 3.6 Version 6 under New Downloads, use the A-Z Index of All Products to find the software.

You can also get the add-on software from http://www.sun.com/downloads/ under the “View by Category” tab under “Systems Management” under the section “Systems Administration”.

It 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 3.6.1”.

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.

2. Sun Management Center products may be listed under S for Sun Management.
This 3.6 Version 6 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.

Install the Sun Management Center 3.6 Version 6 ELP Config-Reader Monitoring add-on software on either core Sun Management Center 3.6 or Sun Management Center 3.6.1.

Uninstall any previous version of the ELP Config-Reader Monitoring add-on software before you install the Sun Management Center 3.6 Version 6 ELP Config-Reader Monitoring add-on software.

**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 6 ELP Config-Reader Monitoring Add-On Software” on page 6 — Follow this procedure to install this Sun Management Center 3.6 Version 6 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 6 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.
   You will be prompted to enter a pointer to the path named
downloadpath/disk1/image/SunOS/sparc/
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.

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 6 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.

   Note – 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 6 ELP Config-Reader Monitoring Add-On Software” on page 6.
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 6 add-on software.

Running SunMC and SNMP (MASF) Together

You cannot run SunMC and SNMP (MASF) at the same time on sun4v systems because of a resource conflict. Running either one alone is not affected by this issue.

Workaround: None.

[6458182]

es-validate Command Sometimes Reports Erroneous Version on Agents

The `es-validate` command reports inconsistent version numbers between English and other language installations. Localization packages for the ELP Config-Reader addon were not updated in this release because no change is needed for those packages since Sun Management Center 3.5.

Workaround: None.

[6331558]

SunMC Does Not Show NEM Entities

Network Expansion Modules (NEM) do not appear in the Expansion Cards table portion in the Config Reader.

Workaround: None.

[6525058]
SunMC Does Not Show All Memory of System in Systems Table with LDOMs Setup

This bug causes the total memory shown in the Systems table to be only the memory allocated to the primary domain. Memory allocated to other domains, or memory not allocated to any domain, will now appear in the Systems table.

The memory not shown in the table still exists and is available to use, but is not reported.

Workaround: None.

[6539642]

SunMC Does Not Show Complete Information of Processors Allocated to Guest Domains

Any processors that are not allocated to the Primary domain in a LDOMs system will not show the following information:

- Device ID
- Clock frequency
- Family
- Data cache size
- Instruction cache size
- Level 2 cache size

They should have (with the exception of DeviceID) the same values as those CPUs allocated to the primary domain.

Information about the following processor attributes for those processors that are allocated to guest domains is missing from the table at Module Browser-> Hardware-> Common Config Reader-> Device Information-> Processors in the SunMC console.

Operational status information of processors allocated to guest-domains is retrieved.

Workaround: None.

[6539736]
SunMC May Show Incorrect Processor Availability Status

In an LDOMs-configured system, the “Availability” status of processors that have been allocated to primary domain and to guest domains will be known.

The availability of non-allocated processors should be reported as “Unknown”, but are incorrectly reported by SunMC as “Running/Full Power”.

Workaround: None.

[6540175]

SunMC Shows False Fan Underspeed Alarms on Sun Blade T6300 Server

SunMC shows intermittent false fan low speed red alarms for the Sun Blade T6300 Server in the SunMC Fans table, and the corresponding tachometers show speed 0 at the same time.

Locally, check the server’s “Service Required” LED to check for fan failures.

Remotely, you can use ALOM’s `showenvironment` command to examine the fan’s operating condition. Refer to the ALOM user documentation. The showenvironment output showing fan speeds will look something like this:

```
----------------------------------------------------------
<table>
<thead>
<tr>
<th>Fans (Speeds Revolution Per Minute):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensor          Status       Speed   Warn  Low</td>
</tr>
<tr>
<td>----------------------------------------------------------</td>
</tr>
<tr>
<td>FT0/F0/TACH     OK           5309    --    2500</td>
</tr>
<tr>
<td>FT0/F1/TACH     OK           5309    --    2500</td>
</tr>
</tbody>
</table>
```

[6542202]
SunMC Does Not List Fan Service Indicators on Sun Fire T2000 Server

Sun Fire T2000 server has a number of system condition annunciator LEDs, four of them dedicated as fan service indicators. If a fan’s operation becomes faulty, the associated LED display turn to amber.

These LEDs to not appear in the Indicators table in SunMC under Module Browser -> Hardware -> Common Config Reader -> Device Information.

Workaround: None.

[6544330]
SunMC Does Not Display Fan Speed if a Redundant Power Supply is Removed

Sun Fire T2000 servers have five fans spread across two fan trays. When one of the server power supply modules is removed (not just the power cable, but the entire power supply module), the Tachometers table in Module Browser-> Hardware-> Common Config Reader -> Environmental Sensors will not list the current speed of any of the system fans.

Fan speed readings again display correctly after you replace the power supply module.

If you must operate the server with a power supply module removed, you can use ALOM’s showenvironment command. The showenvironment output showing fan speeds will look similar to this:

```
----------------------------------------------------------
<table>
<thead>
<tr>
<th>Fans (Speeds Revolution Per Minute):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensor</td>
</tr>
<tr>
<td>----------------</td>
</tr>
<tr>
<td>FT0/F0/TACH</td>
</tr>
<tr>
<td>FT0/F1/TACH</td>
</tr>
<tr>
<td>FT0/F2/TACH</td>
</tr>
<tr>
<td>FT1/F0/TACH</td>
</tr>
<tr>
<td>FT1/F1/TACH</td>
</tr>
<tr>
<td>PS0/F0</td>
</tr>
<tr>
<td>PS1/F0 NOT PRESENT</td>
</tr>
</tbody>
</table>
```

Refer to the ALOM user documentation for instructions on using the showenvironment command.

[6545407]