



# Sun™ SNMP Management Agent Release Notes, Version 1.6

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Sun Microsystems, Inc.  
[www.sun.com](http://www.sun.com)

Part No. 820-5966-12  
December 2008, Revision A

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# Sun SNMP Management Agent Release Notes, Version 1.6

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These release notes contain known issues and bugs that affect the Sun™ Simple Network Management Protocol (SNMP) Management Agent, Version 1.6 software. This document also includes changes for this release, supported platforms, required patches, locations of software and documentation, and other pertinent information about this release. Use this document with the *Sun SNMP Management Agent Administration Guide for Sun Supported Servers, Version 1.6 at a Minimum*, 820-5965-10.

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## What's New in This Release

Version 1.6 of the Management Agent for Sun Fire (MASF) represents a major architectural and design change from the Version 1.5 MASF. There have been no functional Management Information Base (MIB) changes between the two releases. The ENTITY-MIB and SUN-PLATFORM-MIB are implemented the same as before.

The following summarizes the operational changes from the Version 1.5 software to the Version 1.6 software:

- Significant performance improvement in processing SNMP requests.
- Much faster generation of traps.
- Reduction in the number of traps generated on object removal and insertion:
  - Reduced the number of traps caused by another trap
  - Eliminated traps generated at startup
  - Reduced the number of redundant traps
- Some changes to text strings in the `entPhysicalTable`. Some minor differences to other entities, including `entPhysicalDescr` and `entPhysicalName`.
- Only disk and removable media drives that are internal to the chassis are shown.

- Reduction in the number of components provided in the `entPhysicalTable`. All the important internal components of the system still exist.
- In Version 1.5 software when a numeric sensor reading crossed a threshold, the trap generated had `sunPlatNotificationObject` set to the parent of the sensor and `sunPlatNotificationAdditionalText` set to the `entPhysicalName` of the sensor. In some instances this could be confusing, so now in Version 1.6 software, `sunPlatNotificationObject` is set to the sensor causing the fault. The value of `sunPlatNotificationAdditionalText` remains unchanged. Network management applications can use the value of `entPhysicalContainedIn` to find the parent of the sensor.
- In Version 1.5 software for object creation and deletion traps, the `sunPlatNotificationObject` had the value of the parent of the object that was created or deleted. This has changed in the Version 1.6 software, and the `sunPlatNotificationObject` now reflects the object that is created or deleted rather than the parent.

Also in Version 1.5 software, the `sunPlatNotificationAdditionalText` could be included optionally. This value is no longer needed in Version 1.6 software and has been removed.

The following changes are to configuration options in the `/etc/opt/SUNWmasf/conf/snmpd.conf` file:

- With Version 1.5 software, you could define a `trapsink` or `trap2sink` with just the host name. Now in Version 1.6 software, you must specify the `trapsink` or `trap2sink` by including the host name, community string, and port number. For more information, refer to Chapter 3, Configuration Files, “Setting Up Trap Destinations” in the *Sun SNMP Management Agent Administration Guide for Sun Supported Servers Version 1.6 at a Minimum*.
- As of Version 1.6 software, the agent listens for SNMP requests over all configured IP interfaces using the specified port. If you want a different configuration, refer to Chapter 3, Configuration Files, “Setting Up the Port Number” in the *Sun SNMP Management Agent Administration Guide for Sun Supported Servers Version 1.6 at a Minimum*.
- The `snmpd.conf` parameter `SUNW_masfForceConfigFile` is no longer required and is considered an error if present.
- The `snmpd.conf` parameter `SUNW_alwaysIncludeEntPhysName` is no longer used. The `sunPlatNotificationAdditionalText` is included in all traps.

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# System Requirements

This section contains system requirements for running the Sun SNMP Management Agent, Version 1.6 software.

## Supported Platforms

The following platforms are supported as of this release:

- Sun Blade™ T6340 Server Module
- Sun SPARC® Enterprise T5440 Server

The following table lists all platforms supported in this release with reference to documentation specific to that platform. Platform documentation can be found at:

(<http://docs.sun.com>)

**TABLE 1** Supported Platforms

<b>Platform</b>	<b>Reference</b>
Netra™ 210 Server	<i>Netra 210 Server System Administration Guide</i> <i>Netra 210 Server Service Manual</i>
Netra 240 Server	<i>Netra 240 Server System Administration Guide</i> <i>Netra 240 Server Installation Guide</i> <i>Sun SNMP Management Agent Addendum for the Netra 240 Server</i>
Netra 440 Server	<i>Netra 440 Server System Administration Guide</i> <i>Netra 440 Server Installation Guide</i> <i>Sun SNMP Management Agent Addendum for the Netra 440 Server</i>
Netra T2000 Server	<i>Netra T2000 Server Administration Guide</i> <i>Netra T2000 Server Installation Guide</i> <i>Netra T2000 Server Service Manual</i>
Netra T5220 Server	<i>Sun Netra T5220 Server Administration Guide</i> <i>Sun Netra T5220 Server Installation Guide</i> <i>Sun Netra T5220 Server Product Notes</i>
Netra T5440 Server	<i>Sun Netra T5440 Server Administration Guide</i> <i>Sun Netra T5440 Server Installation Guide</i> <i>Sun Netra T5440 Server Product Notes</i>

**TABLE 1** Supported Platforms (Continued)

<b>Platform</b>	<b>Reference</b>
Sun Blade™ T6300 Server Module	<i>Sun Blade T6300 Server Module Administration Guide</i> <i>Sun Blade T6300 Server Module Installation Guide</i> <i>Sun Blade T6300 Server Module Service Manual</i>
Sun Blade T6320 Server Module	<i>Sun Blade T6320 Server Module Installation Guide</i> <i>Sun Blade T6320 Server Module Product Notes</i> <i>Sun Blade T6320 Server Module Service Manual</i>
Sun Blade T6340 Server Module	<i>Sun Blade T6340 Server Module Installation Guide</i> <i>Sun Blade T6340 Server Module Product Notes</i> <i>Sun Blade T6340 Server Module Service Manual</i>
Sun Fire T1000 Server	<i>Sun Fire T1000 Server System Administration Guide</i> <i>Sun Fire T1000 Server Installation Guide</i> <i>Sun Fire T1000 Server Installation Guide</i>
Sun Fire T2000 Server	<i>Sun Fire T2000 Server Administration Guide</i> <i>Sun Fire T2000 Server Installation Guide</i> <i>Sun Fire T2000 Server Service Manual</i>
Sun Fire V125 Server	<i>Sun Fire V125 Server Administration Guide</i> <i>Sun Fire V125 Server Installation Guide</i> <i>Sun Fire V125 Server Service Manual</i>
Sun Fire V210 and V240 Servers	<i>Sun Fire V210 and V240 Servers Administration Guide</i> <i>Sun Fire V210 and V240 Servers Installation Guide</i>
Sun Fire V215 and V245 Servers	<i>Sun Fire V215 and V245 Servers Administration Guide</i> <i>Sun Fire V215 and V245 Servers Installation Guide</i> <i>Sun Fire V215 and V245 Servers Service Guide</i>
Sun Fire V250 Server	<i>Sun Fire V250 Server Administration Guide</i> <i>Sun Fire V250 Server Installation Guide</i>
Sun Fire V440 Server	<i>Sun Fire V440 Server Administration Guide</i> <i>Sun Fire V440 Server Installation Guide</i>
Sun Fire V445 Server	<i>Sun Fire V445 Server Administration Guide</i> <i>Sun Fire V445 Server Installation Guide</i> <i>Sun Fire V445 Server Service Manual</i>



**TABLE 1** Supported Platforms (Continued)

<b>Platform</b>	<b>Reference</b>
Sun SPARC® Enterprise T5120 and T5220 Servers	<i>Sun SPARC Enterprise T5120 and T5220 Servers Administration Guide</i> <i>Sun SPARC Enterprise T5120 and T5220 Servers Installation Guide</i> <i>Sun SPARC Enterprise T5120 and T5220 Servers Service Manual</i>
Sun SPARC Enterprise T5140 and T5240 Servers	<i>Sun SPARC Enterprise T5140 and T5240 Servers Administration Guide</i> <i>Sun SPARC Enterprise T5140 and T5240 Servers Installation Guide</i> <i>Sun SPARC Enterprise T5140 and T5240 Servers Service Manual</i>
Sun SPARC Enterprise T5440 Server	<i>Sun SPARC Enterprise T5440 Server Administration Guide</i> <i>Sun SPARC Enterprise T5440 Server Installation Guide</i> <i>Sun SPARC Enterprise T5440 Server Service Manual</i>

## Solaris Operating System

At a minimum, the Sun SNMP Management Agent 1.6 software requires one of these versions of Solaris Operating System (OS):

- Solaris OS 9
- Solaris OS 10

Refer to the documentation for your platform for information about any other Solaris OS requirements.

## Obtaining Solaris OS Packages

Required Solaris OS packages are available from the Solaris™ 10 Operating System DVD, under:

```
/cdrom/cdrom0/s0/Solaris_10/Product
```

These additional packages must be installed to enable support of the SNMP Management Agent. For a list of these packages refer to “Installation and Additional Required Packages” in the *Sun SNMP Management Agent Administration Guide for Sun Supported Servers*.

## Patches

No patches must be installed in addition to the standard Solaris Operating System software at this time. To ensure the latest patch information, always go to SunSolve<sup>SM</sup> for the latest set of patches for your product:

(<http://sunsolve.sun.com>)

## Location of Packages Required for Installation

Sun SNMP Version 1.6 software installation packages are supplied in the zip archive bundle `SNMP-1_6-GA.tar.Z`, at the following location:

(<http://www.sun.com/software/download/index.html>)

Always use the latest version of this file for installation.

Additional required packages are available from the Solaris<sup>TM</sup> 10 Operating System DVD, under:

```
/cdrom/cdrom0/s0/Solaris_10/Product
```

These additional packages must be installed to enable support of the SNMP Management Agent. For a list of these packages refer to “Installation and Additional Required Packages” in the *Sun SNMP Management Administration Guide for Sun Supported Servers, Version 1.6*.

## Location of Documentation

Sun SNMP Management Agent documentation can be found at:

(<http://docs.sun.com/app/docs/prod/snmp>)

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# Known Issues

This section contains general issues and specific bugs concerning the Sun SNMP Management Agent, Version 1.6 software.

## General Issues

This section describes general known issues about this release of Sun SNMP Management Agent software that are broader than a specific bug number. Workarounds are provided where available.

### Restart PICL Before Running SNMP

Before you run the SNMP daemon, restart the Platform Information and Control Library (PICL) daemon by typing:

```
# svcadm restart picl
```

## Bugs Affecting SNMP Management Agent 1.6 Software

This section summarizes the bugs that you might encounter when using this version of the software. The bug descriptions are in numerical order by bug ID. If a workaround is available, it is specified.

### Cannot Run SNMP MASF and Sun Management Center Together

**Bug ID 6458182:** You cannot run the SNMP MASF and the Sun Management Center at the same time on sun4v servers because of a resource conflict.

**Workaround:** Run either the SNMP MASF or the Sun Management Center alone.

## SNMP Tree Has No NEM Entities

**Bug ID 6628809:** On Sun Blade T6320 systems, the SNMP tree does not have entities for the Network Express Module (NEM) components.

**Workaround:** Use the `showfru` command to view these FRUs.

```
sc> showfru
```

## Blade Service Processor Fails to Detect PCI-EM

**Bug ID 6641519:** When a PCI Express Module (PCI-EM) is unconfigured, it is deleted from the SNMP tree, and the slot is reported empty, even though module is still there physically. Conversely, when a PCI-EM is connected to the system, the SNMP tree does not show it, and the slot is reported empty, until the module is configured.

**Workaround:** Use the following Solaris OS `cfgadm(1M)` command to check the occupancy status of PCI-EMs.

```
# cfgadm -al | grep PCI-EM
```