



Sun™ Management Center 3.0 Software Release Notes

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Sun Management Center 3.0 Software Release Notes

Note – For the latest information on this product, refer to the Sun™ Management Center web site:

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

The information contained in the Sun Management Center 3.0 online help is specific to the Sun Management Center 3.0 release. For complete information about the 3.0 release, refer to the online help and the Sun Management Center supplement for your particular hardware platform.

License terms for third-party software are included in a README-License on the distribution CD.

This document covers the following topics:

- Getting Started
- Sun Management Center Web Site
- System Requirements
- Supported Operating Environments
- Supported Web Browsers
- Related Documentation
- Protecting Customized Scripts
- Upgrading to Sun Management Center 3.0 Software
- Major Changes from Sun Management Center 2.x Software to Sun Management Center 3.0 Software
- Required Patches
- Hardware Diagnostic Suite
- Servers with Multiple IP Addresses and Ports
- Documentation Corrections
- Known Limitations to this Version
- Known Bugs

For installation instructions, refer to the *Sun Management Center 3.0 Software Installation Guide* and the Sun Management Center supplement for your hardware platform. You can download and print the *Sun Management Center 3.0 Software Installation Guide* from either the Sun Management Center 3.0 CD or the Sun Management Center web site.

Before installing Sun Management Center software on your system, read the `INSTALL_README` and any additional `README` file(s) appropriate for your hardware platform. The `README` files on the Sun Management Center 3.0 CD and the Sun Management Center web site provide information that will help you during the installation process.

Getting Started

The following table describes which sections of this document to read, depending on whether you are upgrading to Sun Management Center 3.0 software or installing Sun Management Center software for the first time.

TABLE 1 Upgrading or Installing for the First Time

If you are upgrading, read:	If you are installing for the first time, read:
Sun Management Center Web Site	Sun Management Center Web Site
System Requirements	System Requirements
Supported Operating Environments	Supported Operating Environments
Supported Web Browsers	Supported Web Browsers
Related Documentation	Related Documentation
Protecting Customized Scripts	
Upgrading to Sun Management Center 3.0 Software	
Major Changes from Sun Management Center 2.x Software to Sun Management Center 3.0 Software	
Required Patches	Required Patches
Hardware Diagnostic Suite	Hardware Diagnostic Suite
Servers with Multiple IP Addresses and Ports	Servers with Multiple IP Addresses and Ports

TABLE 1 Upgrading or Installing for the First Time (*Continued*)

If you are upgrading, read:	If you are installing for the first time, read:
Documentation Corrections	Documentation Corrections
Known Limitations to this Version	Known Limitations to this Version
Known Bugs	Known Bugs

Sun Management Center Web Site

The *Sun Management Center Configuration and Deployment Guide* contains important information about supported hardware platforms. The Sun Management Center web site also contains the latest information on this product:

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

System Requirements

System requirements for installing Sun Management Center software are documented in the *Sun Management Center Configuration and Deployment Guide*, which is available on the Sun Management Center web site. Refer to that document for more information. Also refer to the *Sun Management Center 3.0 Software Installation Guide* for details on minimum disk space requirements.

Supported Operating Environments

The following operating environments are supported with the Sun Management Center 3.0 product:

- Solaris™ 2.5.1 (agent-only)
- Solaris 2.6 or subsequent compatible versions
- Solaris 7 (32-bit and 64-bit modes)
- Solaris 8
- Microsoft Windows NT Service Pack 4 or later (console-only)
- Microsoft Windows 98 (console-only)

Note – Sun Management Center software is supported only on Solaris SPARC™ Platform Edition systems, and not on Solaris Intel Platform Edition systems.

Supported Web Browsers

The following web browsers are supported with the Sun Management Center 3.0 product:

- Netscape Communicator™ 4.51 or higher
- Microsoft Internet Explorer 5.0 or higher

Tip – For the Sun Management Center Web Interface, it is recommended that you set your Netscape browser font size to 12 points for optimal viewing.

Related Documentation

The following table lists the individual documents related to the Sun Management Center 3.0 release:

TABLE 2 Related Documentation for Sun Management Center 3.0

Product Family	Title	Part Number
Sun Management Center	<i>Sun Management Center 3.0 Software User's Guide</i>	806-5942
Sun Management Center	<i>Sun Management Center 3.0 Software Installation Guide</i>	806-5943
Sun Management Center	<i>Sun Management Center 3.0 Software Release Notes</i> (this document)	806-5944
Sun Management Center	<i>Sun Management Center 3.0 Developer Environment Reference Manual</i>	806-5945
Sun Management Center	<i>Sun Management Center 3.0 Developer Environment Release Notes</i>	806-5946
Sun Management Center	<i>Sun Management Center Hardware Diagnostic Suite 1.1 User's Guide</i>	806-6865
Midrange Servers	<i>Sun Management Center 3.0 Supplement for Sun Enterprise Midrange Servers</i>	806-5947
Workgroup Servers	<i>Sun Management Center 3.0 Supplement for Workgroup Servers</i>	806-6448
Workstations	<i>Sun Management Center 3.0 Supplement for Workstations</i>	806-7146
Sun Enterprise™ 10000	<i>Sun Management Center 3.0 Supplement for Starfire Servers</i>	806-7231
Netra™ Servers	<i>Sun Management Center 3.0 Supplement for Netra Servers</i>	806-7053
Tivoli TEC Adapter	<i>Sun Management Center Tivoli TEC Adapter Installation Guide</i>	806-2071
Unicenter TNG®	<i>Sun Management Center Integration Package User's Guide for Unicenter TNG</i>	806-4426

Protecting Customized Scripts

If you customized the `email.sh` script that Sun Management Center software uses to send email notification of alarm conditions, that script will be overwritten when you upgrade Sun Management Center software to version 3.0.

To avoid overwriting the custom modified email script, rename the script. The following is an example using the name “Edith.”

```
# mv /var/opt/SUNWsymon/bin/email.sh /var/opt/SUNWsymon/bin/edithemail.sh
```

Upgrading to Sun Management Center 3.0 Software

For information on upgrading to Sun Management Center 3.0 software, refer to the *Sun Management Center 3.0 Software Installation Guide* and the Sun Management Center supplement for your hardware platform.

Before installing Sun Management Center software on your system, read the `INSTALL.README` and any additional `README` file(s) appropriate for your hardware platform. The `README` files on the Sun Management Center 3.0 CD and the Sun Management Center web site provide information that will help you during the installation process.

Only topology data and event information will be retained during upgrade. If you have made those changes to modules, the changes will not be migrated. However, module-related changes are saved in `module.dat` files, located in the `/var/opt/SUNWsymon/cfg/` directory.

Major Changes from Sun Management Center 2.x Software to Sun Management Center 3.0 Software

The following table lists the changes that have been made in Sun Management Center version 3.0.

TABLE 3 Major Changes to Sun Management Center Software in Version 3.0

Feature	Description of Change in Version 3.0	Chapter of 3.0 User's Guide
Three levels of licensing	Previous licensing models provided access to all functionality. With the release of Sun Management Center 3.0 software, you now have service-based (not unit-based) licensing. Contact your Sun sales representative for more information.	
New three-pane window display for online help	Online help text now displays in a three-pane window format. The left pane of the help window contains a Table of Contents, the center pane contains help text, and the right pane contains an Index. Each pane is scrollable.	
Installation help moved to a separate document	Information about installation has moved from the online help into a separate document. Refer to the <i>Sun Management Center 3.0 Software Installation Guide</i> for installation guidelines.	
Object Browser Enhancements	Many enhancements have been made to the tables within the object browser. These enhancements enable the setting and editing of properties. Attribute settings can now be done at the column level, and alarm filtering can be done to quickly identify the properties and rows with alarms.	Chapter 6
Kernel Reader module separated into Kernel Reader and Kernel Reader Simple	Kernel Reader functionality is now separated into Kernel Reader (advanced) and Kernel Reader Simple (a subset of Kernel Reader) functionality. A new I/O statistics table and kernel memory allocation table have been added (see TABLE 8).	Appendix D
Alarm enhancements	Alarm capabilities have been enhanced.	Chapter 12
Enhancements to Physical/Logical view	Ability to monitor physical and logical views of hardware has been enhanced.	Chapter 13

TABLE 3 Major Changes to Sun Management Center Software in Version 3.0 *(Continued)*

Feature	Description of Change in Version 3.0	Chapter of 3.0 User's Guide
Log Viewer	There is now an enhanced log viewer to view Sun Management Center 3.0 logs. Using this log viewer, you can also specify any other log file that you want to view.	Chapter 13
Grouping	This new feature enables you to perform multiple operations at once, as a single group operation. It also allows you to schedule tasks for later execution, and to save tasks to be re-executed at a later time.	Chapter 15
Module Management	A new Modules tab in the Details window enables you to manage which modules are available, loaded, scheduled, enabled, and disabled from one screen. The modules can now be scheduled to be automatically loaded or unloaded.	Chapter 16
Dataviews	Dataviews are customized data property tables and can be created for one type of data from several different hosts or different types of data from one host. Since these views are presented in a table, a variety of data can be easily compared. Also, these tables are created once and are automatically refreshed.	Chapter 17
Web Console	<p>This new feature enables you to use a web-based management interface for the Sun Management Center console and includes:</p> <ul style="list-style-type: none">• Alarms This new feature enables you to use a web-based management interface for the Sun Management Center alarms.• Attribute Editor This new feature enables you to use a web-based management interface for the Sun Management Center attribute editor.	Chapters 18, 19, 20
Import/Export Topology	This new feature provides the ability to import or export the topology database from or to an ASCII file.	Chapter 21
Command Line Interface	This new feature is an interface to monitor and manage your system. The CLI also enables you to use the Sun Management Center server remotely.	Chapter 22
Developer Environment - Module Builder GUI	The Module-Builder GUI provides a visual interface for creating and modifying Sun Management Center modules.	(Chapter 15 of the <i>Sun Management Center 3.0 Developer Environment Reference Manual</i>)

TABLE 3 Major Changes to Sun Management Center Software in Version 3.0 *(Continued)*

Feature	Description of Change in Version 3.0	Chapter of 3.0 User's Guide
Enhanced Console Integration	The capability of customizing the Console has been extended and enhanced.	(Chapter 16 of the <i>Sun Management Center 3.0 Developer Environment Reference Manual</i>)
Data logging	Data logging interfaces are published in the Developer Environment.	(Appendix A of the <i>Sun Management Center 3.0 Developer Environment Reference Manual</i>)
Storage	There is now support for monitoring and managing the Sun StorEdge™ T3 and A5x00 systems.	Appendix D

Required Patches

For patch information specific to your hardware, refer to the Sun Management Center supplement for your hardware platform.

Some patches are automatically installed when you install Sun Management Center 3.0 software. The following table shows the required patches for each Solaris Operating Environment:

TABLE 4 Required Patches

Operating Environment	Patches
Solaris 2.6 Operating Environment	Patches 105181-15, 105210-19, 105284-25, 105490-07, 105568-13, 105633-21, 105669-07, and 106040-12
Solaris 7 Operating Environment	Patches 106980-05, 107078-10, 107607-01, and 107636-01
Solaris 8 Operating Environment	None

For required patches specific to the Hardware Diagnostic Suite, see TABLE 5.

Hardware Diagnostic Suite

The Hardware Diagnostic Suite is a Sun Management Center feature that tests and validates Sun SPARC™ hardware in an enterprise environment. Hardware Diagnostic Suite is part of the Sun Management Center 3.0 Advanced System Monitoring add-on software.

The Hardware Diagnostic Suite enhances system availability by stimulating and detecting hardware faults, and warning you of latent problems before they cause system downtime.

Note – The Hardware Diagnostic Suite is not intended for stressful off-line testing, testing when no operating system is running, or analyzing data for failure prediction.

Note – Sun Management Center Hardware Diagnostic Suite 1.1 is referred to as Hardware Diagnostic Suite throughout this section.

Installing and Uninstalling the Hardware Diagnostic Suite Software

The Hardware Diagnostic Suite software is automatically installed when you install the Sun Management Center Advanced System Monitoring add-on software with the `es-inst` script, and uninstalled with the Sun Management Center `es-uninst` script.

Refer to the *Sun Management Center 3.0 Software Installation Guide* for:

- System requirements
- Supported systems
- Pre-installation information
- Installation and uninstallation instructions

For additional details, refer to the Hardware Diagnostic Suite `INSTALL_README.HWDS` file. This file can be found on the Sun Management Center 3.0 CD in the following location:

```
/cdrom/sun_management_center_3_0/sbin/INSTALL_README.HWDS
```

Required Patches for Hardware Diagnostic Suite

TABLE 5 describes the Solaris Operating Environment patches that must be installed on each system that runs the Hardware Diagnostic Suite agent.

The Sun Management Center installation script checks to see if these patches are installed on your system, and warns you if they are not present. In most cases, the installation script asks if you want to install them. If you answer *yes*, they are installed for you. If you answer *no*, the installation stops.

All of the required patches are not included in the installation script because these patches are comprehensive patches for the kernel that require separate installation (see TABLE 5). Install these patches *before* you run the installation script.

TABLE 5 Required Patches for Hardware Diagnostic Suite

Solaris Release	Patches Included in the Installation Script	Patches Not Included in the Installation Script
Solaris 2.5.1	106529-05, 103690-13	
Solaris 2.6	105591-07	105181-21 ¹
Solaris 7	106327-06 (32-bit Solaris environment) 106327-06, 106300-07 (64-bit Solaris environment)	
Solaris 8	none	

1. For the Solaris 2.6 release, you need patch 105181-21. The Sun Enterprise 10000 systems require a later version of patch 105181-21.

Hardware Diagnostic Suite System Load Statistics

When you run an additional application (such as a diagnostic application) on a system that is running day-to-day operations, you should consider the additional system load that is introduced.

TABLE 6 shows the typical system load on the CPU and memory resources when you run the Hardware Diagnostic components. These measurements were made on an Ultra™ 60 Workstation with 256 Mbytes of memory.

TABLE 6 Hardware Diagnostic Suite Component System Load Statistics

Component ¹	CPU Activity While Hardware Diagnostic Suite Is Idle	CPU Activity while Hardware Diagnostic Suite is Running at Full-capacity	Memory Used (RAM/Swap in Kbytes)
Agent	0.05%	0.5–0.9%	3560/5888
Tests	N/A	0.2–5%	2000–4000/ 3000–5000
Server	0.04–0.09%	1–4%	12232/33120
Console	0.05–0.5%	4–8%	31216/45712

¹. Depending on which components are loaded on the system under test, you might only need to consider the added load of the Hardware Diagnostic Suite agent and tests (server and console components are typically loaded elsewhere in the network).

Running Hardware Diagnostic Suite Software in a DR Environment

The Hardware Diagnostic Suite agent is aware of dynamic reconfiguration (DR) operations that are performed when you use the `cfgadm` command (`unconfigure` or `configure`). When the Hardware Diagnostic Suite is running and a DR operation is performed, the console is replaced with a message indicating that a DR event is taking place. When the DR operation is finished, the Hardware Diagnostic Suite reprobes the system to determine and display all testable devices.

Note – The Hardware Diagnostic Suite does not automatically reprobe the devices after a DR `power-on` or `power-off` operation. To test the devices that were added after a `power-on`, perform a reprobe from the options menu.

Reusing Hardware Diagnostic Suite Schedules

If you have Hardware Diagnostic Suite schedules and you reinstall the Hardware Diagnostic Suite software (through the reinstallation of Sun Management Center software) you can retain the schedules by following one of the methods described below. Use one method or the other based on how you plan to reinstall the Sun Management Center software—either in the same directory, or in a different directory.

▼ To Reuse Schedules When Reinstalling in the Same Directory

- **Move the schedule entries from the `/var/opt/SUNWhwdiag/sched.cron` file to the root cron job file.**

Make sure that you perform this step before you access the Hardware Diagnostic Suite schedule feature. Otherwise, the `sched.cron` file will be rewritten and you will lose your original schedules.

▼ To Reuse Schedules When Reinstalling in a Different Directory

- **After the reinstallation of the Hardware Diagnostic Suite software, access all preexisting schedules and choose “Modify,” and select “OK.” The execution path will be updated. You must also preserve the contents of `/var/opt/SUNWhwdiag` between installations.**

Servers with Multiple IP Addresses and Ports

To use a multi-IP server, you need to first modify the following two files:

- `javaserver.properties`, located in:
`/var/opt/SUNWsymon/cfg`
- `alternativeservice.properties`, located in:
`/var/opt/SUNWsymon/classes/com/sun/symon/base/mgmtservice`

Within `javaserver.properties`, you must add the alternate IP addresses and port numbers through which the Java™ server will run. TABLE 7 shows example alternate IP addresses and ports:

TABLE 7 Example Alternate IP Addresses and Server Ports

Alternate IP Address	Server Port
129.129.256.256	3000
192.192.192.1	3333

In this example, first remove the comment character (#) that currently exists for `AlternateRmiHosts`:

```
#AlternateRmiHosts
```

Then add the multiple alternate IP addresses and ports in *server:port* format with each pair separated by a space. For example:

```
AlternateRmiHosts = 129.129.256.256:3000 192.192.192.1:3333
```

Note – You can also use the host name in place of each IP address.

Within `alternativeservice.properties`, you need to specify the IP address of the system where Java services are running for every alternate IP Java server address.

For example (using the same Java server alternate IP addresses in TABLE 7), suppose the Java service for 129.129.256.256 is running on the 129.129.256.118 IP address, and the Java service for 192.192.192.1 is running on the 192.192.192.120 IP address. First remove the comment character (#) that currently exists for AlternateServiceHost:

```
#AlternateServiceHost =
```

Then add the IP addresses in *java_server_IP_address:java_service_IP_address* format with each pair separated by a space. For example:

```
AlternateServiceHost = 129.129.256.256:129.129.256.118 192.192.192.1:192.192.192.120
```

Note – For a server with a single IP address, you do *not* need to modify any files. For multiple IP addresses, the default server IP address and port are not added to these files.

Documentation Corrections

The following discrepancies were detected after final publication of the Sun Management Center release documentation and online help:

- Within Chapter 18 of the *Sun Management Center 3.0 Software User's Guide*, the screen for the Module Loader dialog incorrectly shows a tab for "Schedule." The functionality for the Schedule tab is not supported in the Sun Management Center web interface for this release.
- Within Chapter 21 of the *Sun Management Center 3.0 Software User's Guide*, Table 21-2 shows incorrect names under the "Item" column:
 - "Import to File" should read "Import File Name"
 - "Import Domain Name" should read "Name"
- The EventAdaptor menu in the Sun Management Center integration package for Unicenter TNG[®] has a new field. Figure 2-4 in the *Sun Management Center Integration Package User's Guide For Unicenter TNG* (Version 1.0) should show this new field as "Topology Name" immediately under the field labelled "Unicenter TNG Server Name."

If you specify a Sun Management Center domain (which can include Default Domain) in this field, only alarms from that domain are forwarded to Unicenter TNG. If you leave the field empty, alarms from *all* domains are forwarded to Unicenter TNG.

- The Sun Management Center *Web Portal* page is the first page you see after starting the Sun Management Center Web Interface. It is a template for a portal that can be used as a common initiation point for any of the servers that you maintain. You can modify the following portal page to include the other Sun Management Center servers that have the Premier Management Applications package installed: `/var/opt/SUNWsymon/web/index.html`

Known Limitations to this Version

Note – See your hardware platform supplement and the following Sun Management Center web site for the latest information on architecture-specific known limitations:

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

The following sections describe the known limitations of the 3.0 version of Sun Management Center software.

Config-Reader Module Support of Storage Enclosure Devices

Note – Different versions of the Config-Reader module are required to support the various hardware platform architectures. Consult your Sun Management Center hardware platform supplement for additional details.

Except for the Sun StorEdge™ A5x00 storage enclosure, storage enclosure devices are not supported by the Sun Management Center Config-Reader module. In addition, not all hardware platform Config-Reader modules support Sun StorEdge A5x00 enclosures.

Storage enclosures such as the Sun StorEdge A3500 enclosure (that present pseudo disk devices to the system) are not represented in the Config-Reader module, nor are the disks displayed in the Config-Reader Disk Devices table.

If a storage enclosure is not supported, but the disks are presented to the system as discrete devices (such as `sd` or `ssd` disks), the storage enclosure disks display in the Config-Reader Disk Devices table.

Sun Management Center Server and Console Heap Configurations for Large Server Platforms

Sun Management Center monitoring of servers with large hardware configurations may need larger default heap sizes for the Sun Management Center server and console processes. For example, an increase in the default heap size may be needed if monitoring a server with greater than 1000 disks.

A symptom of this problem occurs when requesting to view the disk table through the Browser tab in the Details window. The console pauses for a while, attempting to gather the disk information, and then no data is displayed.

In this situation, Sun Management Center server errors are logged to the server log file (`/var/opt/SUNWsymon/log/server.log`) and console errors are logged to the Sun Management Center-Console Messages under the File selection of the Sun Management Center console.

To read the `/var/opt/SUNWsymon/log/server.log` file, use the `es-run` interface with the `ccat` command.

For example:

```
# /opt/SUNWsymon/sbin/es-run ccat /var/opt/SUNWsymon/log/server.log
```

An error message similar to the following may be displayed:

```
Client callback failed: java.rmi.ServerError: Server Error; nested
exception is:
    Java.Lang.OutOfMemoryError
```

To resolve this problem, refer to “To Resolve a Hanging Main Console Window” in Appendix B of the *Sun Management Center 3.0 Software User’s Guide*.

File System Usage Configurations from Sun Enterprise SyMON 2.0 Software are Obsolete

Support for `vxfs` file systems has been added to Sun Management Center software. This support resulted in a change to the kernel-reader defaults file `/opt/SUNWsymon/modules/cfg/kernel-reader-d.def` that makes file system usage configurations from Sun Enterprise SyMON™ 2.0 software obsolete. If you are upgrading to Sun Management Center 3.0 software from Sun Enterprise SyMON 2.0 software and have defined thresholds for file system usage, you will need to redefine those thresholds.

Relocatability

Relocation problems occur if you try to install Java software in a non-default location during a console-only installation.

Known Bugs

Note – Refer to your hardware platform supplement and the following Sun Management Center web site for the latest information on architecture-specific known bugs:

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

The following is a list of known problems in the Sun Management Center 3.0 release. This list includes workarounds if any are available at the time of release.

- **Bug 4339098:** `FileNotFoundException` displays in Java console.

JDK™ software version 1.2 may cause an error exception from JDK `AWT.Motif` components. This problem does not occur with Sun Management Center 2.x (with JDK software version 1.1).

- **Bug 4353175:** After deleting simulated StorEdge T3 data, physical view and logical view do not display correctly.

After you delete simulated StorEdge T3 data and click the Refresh button, the values are empty in physical view and logical view.

Workaround: Close the Details window, then re-open the window to refresh the data.

- **Bug 4355218:** Agent dies for corrupt `agent-engine-d.dat` file.

If your agent log file has inadvertently been corrupted, you may encounter an error message *similar* to the following when attempting to start the agent:

```
# Sep 13 12:10:21 phys-jar-2 agent[29396]: syslog
Sep 13 12:10:21 agent syntax error in agent-engine-d.dat(1) at token ''
Sep 13 12:10:21 phys-jar-2 agent[29396]: syslog
Sep 13 12:10:21 agent
*** aborting execution ***
Sep 13 12:10:21 phys-jar-2 agent[29396]: [ID 652561 daemon.alert] syslog
Sep 13 12:10:21 agent syntax error in agent-engine-d.dat(1) at token ''
Sep 13 12:10:21 phys-jar-2 agent[29396]: [ID 930948 daemon.alert] syslog
Sep 13 12:10:21 agent
*** aborting execution ***
```

Workaround: Remove the corrupted file, perform a setup with `es-setup`, then restart the agent.

- **Bug 4378138:** Column headings for some tables are inconsistent.

The following kernel memory allocation table should appear in Appendix D of the *Sun Management Center 3.0 Software User's Guide* for the Kernel Reader module.

TABLE 8 Kernel Memory Allocation Table

Property	Description
SmallPoolMem	The amount of memory in bytes that Kernel Memory Allocation (KMA) has for the small pool.
SmallPoolMemAlloc	The number of bytes allocated to satisfy requests for small amounts of memory.
SmallPoolMemFailed	The number of requests for small amounts of memory that were not satisfied (failed).
LargePoolMem	The amount of memory in bytes that KMA has for the large pool.
LargePoolMemAlloc	The number of bytes allocated to satisfy requests for large amounts of memory.
LargePoolMemFailed	The number of requests for large amounts of memory that were not satisfied (failed).
OversizeMemAlloc	The amount of memory allocated for oversized requests.
OversizeMemFailed	The number of oversized requests that could not be satisfied.

- **Bug 4389171:** Old closed events still remain after setup.

After you answer no (n) to the prompt for preserving data in `es-setup`, closed alarms may still remain after the console is launched.

Workaround: Delete the closed alarms by selecting "all" and then delete.

- **Bug 4389806:** Internet Explorer does not show information in the browser.

The folders under `configd` may display icons, but no folder names.

Workaround: Refresh the window.

- **Bug 4390274:** Cannot input non-ASCII characters in Name field of Create Parcels window.

Currently, non-ASCII characters are not supported for parcel names. Within the Create Parcels window, you must use ASCII characters for parcel naming.

- **Bug 4390536:** Filter manager ignores filtering by module on 2.0.1 agent.

"Module loaded" based filtering has the following limitation:

It works correctly only for Sun Management Center 3.0 agents included in a current server context. This limitation is due to the fact that only Sun Management Center 3.0 agents are capable of emitting special traps to inform a server of any changes related to loading/unloading modules. A trap is forwarded to a server, which constitutes *server context* for an agent.

- **Bug 4390551:** "Former server" can no longer access agent.

A server cannot access an agent in the following scenario:

1. The server, agent and console are installed on System A.
2. The agent (only) is installed on System B and System A is set up as its server. The System B agent can be discovered in the console for System A, and the Details window for System B shows its information, and so on.
3. The server package is then installed on System B (along with the Premier Management Application and Advanced System Monitoring add-ons). System B is now accessible from the console of System B, itself.
4. If you launch the Details window for System B from the console of its "former server" (System A), it is Unable to load Console info. If you try to create a new Topology Object for System B, this results in Cannot communicate with agent process.
5. When you attempt to create a topology object and launch the Details window for System B from the console of a *different* System C, it displays fine.

This happens because the old (former) server still thinks the agent is in its server context. Therefore, when the server attempts to communicate, it fails.

Workaround: Stop and restart the "former server" (System A) component.

Known Bugs for Hardware Diagnostic Suite

The following is a list of known problems specific to the Hardware Diagnostic Suite for Sun Management Center 3.0.

- **Bug 4285023:** The Hardware Diagnostic Suite console might not start.

In some cases, the Hardware Diagnostic Suite console fails to start because it fails to retrieve a port from the Sun Management Center agent, often due to network delays. This error is recorded in the Sun Management Center log file.

Workaround: Close and reopen the host Details window and reselect Hardware Diagnostic Suite from the Applications tab.

- **Bug 4380939:** Hardware Diagnostic Suite Documentation Correction

The Hardware Diagnostic Suite package (SUNWedss) listed in Table 1-1 of the *Sun Management Center Hardware Diagnostic Suite 1.1 User's Guide* is now obsolete and does not exist.