



Sun Management Center 3.5 Update 1 Release Notes

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Preface

This document contains installation issues, runtime issues, late-breaking news, and documentation issues for Sun™ Management Center 3.5 Update 1 software and its add-on products.

The Sun Management Center 3.5 Update 1 documentation is on the Sun Management Center 3.5 Update 1 Software 2 of 2 CD.

This document is found in the Sun Management Center 3.5 Update 1 Software Collection on <http://docs.sun.com>.

Note – In this document the term “x86” refers to the Intel 32-bit family of microprocessor chips and compatible microprocessor chips made by AMD.

Who Should Use This Book

These notes are for users and system administrators who install and use the Sun Management Center 3.5 Update 1 software and its add-on products.

Related Books

When you install or use the Sun Management Center 3.5 Update 1 software, see the following core or add-on books.

The core books include the following:

- *Sun Management Center 3.5 Update 1 Release Notes (this book)*
- *Sun Management Center 3.5 Update 1 Supplement*
- *Sun Management Center 3.5 Installation and Configuration Guide*
- *Sun Management Center 3.5 User's Guide*
- *Sun Management Center 3.5 Developer Environment Reference Manual*
- *QuickStart: Installing and Setting Up Sun Management Center 3.5*

This book is available only in print and is not on <http://docs.sun.com>. It is a subset of the *Sun Management Center 3.5 Installation and Configuration Guide*.

The add-on books include the following:

- *Sun Management Center 3.5 System Reliability Manager User's Guide*
- *Sun Management Center 3.5 Performance Reporting Manager User's Guide*
- *Sun Management Center 3.5 Service Availability Manager User's Guide*
- *Sun Management Center - Tivoli TEC Adapter Installation Guide*
- *Sun Management Center CA Integration Package User's Guide for Unicenter TNG*
- *Sun Management Center Hardware Diagnostic Suite 2.0 User's Guide*
- *Sun Management Center 3.5 Supplement for Workstations*
- *Sun Management Center 3.5 Supplement for VSP High End Entry Servers (Workgroup Servers)*
- *Sun Management Center 3.5 Version 3 Supplement for Sun Fire Midrange Systems*
- *Sun Management Center 3.5 Version 3 Release Notes for Sun Fire Midrange Systems*
- *Sun Fire Link Software Installation Guide*
- *Sun Management Center 3.5 Supplement for Sun Enterprise 6500/5500/4500/3500 Systems*
- *Sun Management Center 3.5 Supplement for Starfire Servers*
- *Sun Management Center 3.5 Supplement for Netra Servers*
- *Sun Management Center 3.5 Supplement for Sun Fire, Sun Blade and Netra Systems*
- *Sun Management Center 3.5 for Sun Fire, Sun Blade and Netra Systems Release Notes*
- *Sun Management Center 3.5 Supplement for the Sun StorEdge A5x00 and T3 Arrays*
- *Sun Management Center 3.5 Version 2 Release Notes for Sun Fire 15K/12K Systems*
- *Sun Management Center 3.5 Version 2 Supplement for Sun Fire 15K/12K Systems*

Using UNIX Commands

These notes do not contain information about basic UNIX[®] commands and procedures, such as shutting down the system, booting the system, or configuring devices.

See one or more of the following sources for this information:

- *Solaris Handbook for Sun Peripherals*
- Online documentation for the Solaris[™] software environment at <http://docs.sun.com>.
- Other software documentation that you received with your system

Product Information

Information about this product is available at the Sun Management Center web site at <http://www.sun.com/sunmanagementcenter>.

The Sun Management Center 3.5 Update 1 product includes open source software. To view license terms, attribution, and copyright statements for the open source software, see the copyright file located at the following default path:

```
/cdrom/cdrom0/image/Webserver/Solaris_9  
/SUNWtcatr/install/copyright.
```

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Sun Microsystems offers select product documentation in print. For a list of documents and how to order them, see "Buy printed documentation" at <http://docs.sun.com>.

Typographic Conventions

The following table describes the typographic changes that are used in this book.

TABLE P-1 Typographic Conventions

Typeface or Symbol	Meaning	Example
AaBbCc123	The names of commands, files, and directories, and onscreen computer output	Edit your <code>.login</code> file. Use <code>ls -a</code> to list all files. <code>machine_name%</code> you have mail.
AaBbCc123	What you type, contrasted with onscreen computer output	<code>machine_name%</code> su Password:
<i>AaBbCc123</i>	Command-line placeholder: replace with a real name or value	The command to remove a file is <code>rm filename</code> .
<i>AaBbCc123</i>	Book titles, new terms, and terms to be emphasized	Read Chapter 6 in the <i>User's Guide</i> . These are called <i>class</i> options. Do <i>not</i> save the file. (Emphasis sometimes appears in bold online.)

Shell Prompts in Command Examples

The following table shows the default system prompt and superuser prompt for the C shell, Bourne shell, and Korn shell.

TABLE P-2 Shell Prompts

Shell	Prompt
C shell prompt	machine_name%
C shell superuser prompt	machine_name#
Bourne shell and Korn shell prompt	\$
Bourne shell and Korn shell superuser prompt	#

Installation Issues

Issues include information that you should know about, such as prerequisites, tips, troubleshooting hints, and bugs. Bugs are a subset of issues. Bugs have tracking numbers shown in parentheses. For updates on bugs and for patches, see the SunSolveSM web site at <http://sunsolve.sun.com>.

Installation Bugs

Cannot Install Sun Management Center 3.5 Update 1 on Windows 98 Platform from CD-ROM (5035612)

When you install Sun Management Center 3.5 Update 1 on the Windows 98 platform, you receive an error message that it cannot find localization files. On Windows 98 the SYSTEMDRIVE variable needs to be set in the `autoexec.bat` file for the value of this variable to be accessible on the MS-DOS prompt. For Sun Management Center 3.5, the installer used to assume C: would be the default Microsoft Windows installation directory and drive. But on machines where the system drive is something other than C:, the installer fails.

To eliminate this issue, the installers were enhanced to detect the Microsoft Windows installation drive and proceed with this drive instead of assuming C: drive as the installation directory and drive. On other Microsoft Windows operating systems, the default installation drive and directory are available at the MS-DOS prompt. But for Windows 98 the default drive is not defined.

Workaround: You have several options:

- For the installer to work from the CD-ROM for Windows 98, set the SYSTEMDRIVE variable. Use the command `SET SYSTEMDRIVE = X`: where X is the actual drive where Windows 98 has been installed.
- Copy the CD-ROM to the hard disk and run the installer from there.
- Install by uncompressing the `winImage.tar` file from the Sun Management Center 3.5 Update 1 web page on the following web site:
<http://www.sun.com/software/download>

Using the JumpStart Script from Previous Sun Management Center Releases Fails to Install the x86 Agent and Shows an XML Library Message (5030308)

Using the JumpStart™ script from previous Sun Management Center releases fails to install the x86 agent and produces an XML library message. Because of differences between SPARC and x86 architecture, you might see these messages:

```
WARNING: Cannot determine the hostname on /a using default registry name
Registry_localhost.xml SML shared object library not accessible
```

Workaround: None.

`es-inst -R` Command With Documentation Fails When SUNWdocs Does Not Exist on Remote Host (5025112)

If the remote server does not have the documentation package `SUNWdocs`, installing the Sun Management Center 3.5 Update 1 server layer on a remote machine might fail.

The command `es-inst -R /net/remote_server` fails when you add the documentation package `SUNWpsmd`. Because the package `SUNWpsmd` depends on `SUNWdocs`, if `SUNWdocs` is missing, the installation exits.

Workaround: Make sure the remote server has the `SUNWdocs` package installed before installing the Sun Management Center 3.5 Update 1 documentation.

Installation From CD or CD Image Requires Full Path for `es-inst` script (4975862)

When you install Sun Management Center 3.5 or Sun Management Center 3.5 Update 1, you must give the full path for the `es-inst` script. Running the `es-inst` script from the `/cd-image-dir/disk1/sbin` directory or `/cdrom/cdrom0/sbin` directory does not work. If you change the directory to `/cdrom/cdrom0/sbin` and give the complete path, the script does not work. Your working directory should *not* be `/cdrom/cdrom0/sbin`.

Workaround: If you are installing from the CD, change to the root directory (`/`) and type the full path:

```
# cd /  
# /cdrom/cdrom0/sbin/es-inst
```

If you are installing from the CD image, change to the root directory and type the full path:

```
# cd /  
# /cd-image-dir/disk1/sbin/es-inst
```

Start Script Might Display Error Messages: Could not start Grouping service or Could not start Platform Agent (4851517, 5016981)

You might see these error messages when you run the `es-guiinst` command on the Sun Fire 15K system controller or when the Sun Management Center components are started on a heavily loaded machine.

The following error message might be displayed:

```
Could not start component
```

In addition, if a particular component process does not start within a specific amount of time, the start script might display the same error message, even if the component was successfully started.

This problem has been observed for both the Grouping service and the Platform Agent components.

The start script does the following actions:

- Attempts to start the component process
- Sleeps *n* seconds
- Checks the process status and reports success or failure

A heavily loaded machine can delay the results of the status check, which results in an erroneous status check failure. The error occurs because the results were not received within *n* seconds.

Workaround: Complete the following workaround:

1. Verify whether the following processes are running:

- Agent
- Topology service
- Trap-handler service
- Configuration service
- Event-handler service
- Metadata service
- Platform Agent
- Instances of Platform Agent

Type the following command:

```
/usr/bin/ps -eaf | grep esd
```

2. To verify whether the Grouping service is running, type the following command:

```
/usr/ucb/ps -wwxa | grep SunMCSservice
```

3. To verify whether the Java server is running, use the following command:

```
/usr/ucb/ps -wwxa | grep java | grep ServerMain
```

4. To verify whether the web server is running, type the following command:

```
/usr/ucb/ps -wwxa | grep java | grep tomcat
```

5. To verify whether the Hardware Service is running, type the following command:

```
/usr/ucb/ps -wwxa | grep java | grep HWDS
```

6. If a service is not running, reduce the machine load and restart the Sun Management Center processes.

Bugs That Require a Patch Before Installing Sun Management Center 3.5 Update 1 on the Solaris Platform

Performance Reporting Manager Database Setup Fails During Upgrade to Sun Management Center 3.5 Update 1 (4974121)

When you upgrade from Sun Management Center 3.5 to Sun Management Center 3.5 Update 1, the setup for the Performance Reporting Manager database fails and you might see the following error messages:

```
No such file or directory Unable to fix permissions for export files
Aborting Performance Reporting Manager database setup
performing a (shutdown immediate).....
Database setup failed: db-setup.sh failed
A problem occurred with Performance Reporting Manager setup.
Do you want to continue (y|n|q)
```

Workaround: Apply the following Sun Management Center 3.5 patch before performing an upgrade:

- Solaris 8 platform: Patch 113122-06
- Solaris 9 platform: Patch 113123-06

System Availability Manager Data Not Imported During Upgrade to Sun Management Center 3.5 Update 1 (5011762)

If you have System Availability Manager data to import when you upgrade from Sun Management Center 3.5 to Sun Management Center 3.5 Update 1, you might receive the error message:

```
Couldn't find SAM data (Modules, rows, scheduler, alarm data)
```

Workaround: If you use the System Availability Manager add-on, apply the following patch to Sun Management Center 3.5 before upgrading to Sun Management Center 3.5 Update 1.

- Solaris 2.6 Platform: Patch 117146-01
- Solaris 7 Platform: Patch 117147-01
- Solaris 8 Platform: Patch 117148-01
- Solaris 9 Platform: Patch 117149-01

Upgrading or Uninstalling Sun Management Center 3.0 Server Fails if Sun Management Center Change Manager 1.0 Server Is Installed (4820069)

If you have the Sun Management Center 3.0 server and the Sun Management Center Change Manager 1.0 server installed on your system, you must apply a patch before you attempt either of the following operations:

- Upgrading the Sun Management Center 3.0 server software to the Sun Management Center 3.5 Update 1 server software
- Uninstalling the Sun Management Center 3.0 server software

Workaround: Before you begin the upgrade or uninstallation process, apply one of the following patches to the system that is running the Sun Management Center 3.0 server software:

- Solaris 8 Platform: Patch 113105-01
- Solaris 9 Platform: Patch 113106-01

Localization Bugs That Occur During Installation

When Using GUI (`es-guiinst`) to Install Sun Management Center 3.5 Update 1 in French, Japanese, and Korean Locales, CD Does Not Eject (5054110)

If you use the GUI installer for Sun Management Center 3.5 Update 1 (`es-guiinst`), the Sun Management Center 3.5 Update 1 Software CD 1 of 2 does not eject.

Workaround: You have several options:

- Use the command-line installer (`es-inst`).
- Use a separate CD drive for each CD.

Also, if you are doing multiple installations of the software, copy the CD image onto your hard disk drive and then install from the CD image.

Localized Documents Missing and Link to Localized Document Missing from CD (5054094)

The following localized documents are missing from the Sun Management Center 3.5 Update 1 Software CDs:

- Japanese Locale: *Sun Management Center 3.5 Supplement for Sun Fire, Sun Blade and Netra Systems* (SUNWpjasm 817-5041-11)
- Korean Locale: *Sun Management Center 3.5 Version 3 Release Notes for Sun Fire Midrange Systems* (SUNWpkosmd 817-5622)
- Korean Locale: *Sun Management Center 3.5 Supplement for Sun Fire, Sun Blade and Netra Systems* (SUNWpkosmd 817-5042-11)
- Chinese Locale: *Sun Management Center 3.5 Supplement for Sun Fire, Sun Blade and Netra Systems*

(SUNWpzhsmd 817-5043-11)

- Traditional Chinese Locale: *Sun Management Center Hardware Diagnostic Suite 2.0 User's Guide* (SUNWpztsmd 817-3047)

The list of Traditional Chinese HTML documentation is missing a link for the following file: *Sun Management Center Hardware Diagnostic Suite 2.0 User's Guide* (817-3047).

Workaround: To access these documents, go to `http://docs.sun.com` and choose the appropriate localized collections from the Sun Management Center 3.5 Update 1 Software collection.

If You Install Documentation During Installation, Localization Documentation Packages Not Installed (5049698)

If you install documentation during installation, the following localized packages are not installed:

- French: SUNWfrsmd, SUNWpfrsmd
- Japanese: SUNWpjasm, SUNWjasmd
- Korean: SUNWkosmd, SUNWpkosmd
- Simplified Chinese: SUNWpzhsmd, SUNWzhsmd
- Traditional Chinese: SUNWpztsm, SUNWztsmd

Workaround: Use `pkgadd` to install the localized documentation packages. For more information, see ““Installation Overview” Chapter” on page 64.

During Installation Question on Migration of Service Availability Manager Data Is Not Translated (5032183)

If you chose a language other than English during installation, the following question is not translated:

Do you want to migrate the Service Availability Manager data (y|n|q)

If you answer this question incorrectly, you could lose your Service Availability Manager data.

Workaround: Make sure you understand this question before answering. For a translation of this question, see the localized version of these release notes.

Incorrect Message About SUNWescom Package in Localized Environments Is Displayed (4840461)

During installation of a localized environment, the system displays an incorrect error message. The following error message is displayed:

```
SUNWescom : package not found
```

This error message is displayed only briefly.

Note – The message is not displayed during installation of the C locale.

Workaround: Ignore the error message. The SUNWescom package has been installed successfully. Product functionality has not been impaired.

Binary Code License and Supplemental Terms and Conditions for Some Asian Locales Are in English (4874523)

During installation, the Binary Code License (BCL) and Supplemental Terms and Conditions for the following Asian locales are in English:

Language	Locale
Japanese	ja_JP.UTF-8
Simplified Chinese	zh.UTF-8zh_CN.UTF-8, zh.GBK, zh_CN.GBK, zh_CN.GB18030
Traditional Chinese	zh_TW.UTF-8
Korean	ko.UTF-8ko_KR.UTF-8

The following Asian locales use localized BCL files and are in the appropriate languages.

Language	Locale
Japanese	ja, ja_JP.PCK, ja_JP.EUC
Simplified Chinese	zh, zh_CN.EUC

Language	Locale
Traditional Chinese	zh_TW, zh_TW.BIG5, zh_TW.EUC
Korean	ko, ko_KR.EUC

To read the BCLs in all supported languages, refer to the printed license that is included in the Sun Management Center 3.5 Update 1 media kit.

Workaround: None.

Installation Messages Not Displayed Completely on Localized Environment When Using `es-guiinst` (4841202)

When you use the `es-guiinst` command to install on Asian locales, installation messages on some of the screens are not completely displayed. This problem also occurs in the English locale when larger system font sizes are used.

Workaround: Manually size the screen to display the text or maximize the screen to display the text.

`es-guiuninst` Uninstalled Add-On Products Summary Panel in Non-English Locales Erroneously Displays Product Environment Component (4873795)

When you uninstall an add-on product using the `es-guiuninst` tool, a summary panel listing all the add-on components that were uninstalled is displayed. When you use this tool to uninstall add-on components in non-English locales, *Product Environment* is erroneously listed in the summary panel as one of the add-on components that was uninstalled.

Workaround: Ignore the Product Environment uninstalled message. The component was not uninstalled.

Localization Information That Pertains to Sun Management Center 3.5 Update 1 Add-On Products

Supported Languages and Locales for Sun Management Center 3.5 Update 1 Add-On Products

The supported languages and locales for the following Sun Management Center 3.5 Update 1 add-on products are listed in Table 1-1:

- Sun Fire™ high-end (15K/12K) systems
- Starfire™ servers
- Sun Fire midrange systems
- Sun Enterprise™ 6500/5500/4500/3500 systems
- Sun Fire Link interconnect
- Workgroup servers
- Workstation (desktop) systems
- Netra™ servers
- Sun Blade™ and Sun Fire entry-level platform systems

TABLE 1-1 Supported languages and Locales for Sun Management Center 3.5 Update 1 Add-On Products

Languages	Locales
French	fr
	fr_FR.ISO8859-15
Japanese	ja
Korean	ko
Simplified Chinese	zh
Traditional Chinese	zh_TW

Localization Bugs That Apply to Sun Fire High-End (15K/12K) Systems, Sun Fire Midrange Systems, Starfire Servers, and Sun Enterprise 6500/5500/4500/3500 Systems

Incorrect Localization Add-On Packages Are Installed When Using Agent Update (4865224)

Rather than installing only the packages that pertain to each add-on component, all the localization packages in an agent-update image are installed.

Workaround: Create an agent-update image for each add-on component and perform an Agent Update for each add-on component. Refer to the Agent Update section in your Sun Management Center 3.5 Update 1 add-on supplement for more information.

Sun Fire Link Bugs

Sun Fire Link Remote Shared Memory (WRSM) Proxy Core Dumps if Patch Is Not Installed (4719746)

If the Remote Shared Memory (RSM) patch 109664-10 is not installed on your system and you try to configure a two-node direct connect using Sun Management Center software, the WRSM proxy on the cluster node core dumps.

Workaround: Install patch 109664-10 on the system.

Manage Extensible Markup Language (XML) Configurations Option Produces an Invalid Error Message When Applying an XML File to a New Fabric (4855354)

You can use the Sun Management Center console's Manage XML Configurations option to open an XML file for editing. You can also apply any configuration information that the file contains to an unconfigured fabric. The term *unconfigured fabric* refers to a fabric that has been created and started but does not yet contain any member data, such as descriptions of compute nodes.

Note – An XML file can be opened for editing without being associated with an unconfigured fabric. However, if the file is used to configure a fabric, that fabric must first be created and started.

When you select the Manage XML Configuration option, two windows might be displayed. If only one Configuration window appears, you can proceed with your configuration. If two windows appear, the active window is labeled *Error* and the inactive window is labeled *Configuration*. The Error window displays the following message:

```
Getting FM Info Values
```

This message is generated because the newly created fabric name does not yet contain fabric data. Ignore this message and proceed with importing the XML configuration file.

Workaround: For the Solaris 8 release, apply patch 114995-01.

Bug That Applies to Sun Fire High-End (15K/12K) Systems and Sun Fire Link Systems

Removal of Sun Management Center 3.0 Software Also Removes SUNWwccmn Package (4824529)

The Sun Management Center `es-uninst` tool automatically removes the `SUNWwccmn` package from the system controller on Sun Fire™ High-End (15K/12K) systems. This package contains software that is required by the Sun Fire Link system software (`wcapp`). In a System Management Services (SMS) 1.3 environment, if the `SUNWwccmn` package is not present on the system controller, the `wcapp` software cannot be restarted. As a result, SMS 1.3 fails.

Workaround: If the `SUNWwccmn` package is removed from the system controller, use the `pkgadd` command to reinstall the package on the system controller.

The `SUNWwccmn` package is provided on the Sun Fire Link software distribution CD. See the *Sun Fire Link Software Installation Guide* for more details.

Bug That Applies to Sun Fire High-End (15K/12K) Systems, Sun Fire Midrange Systems, and Sun Enterprise 6500/5500/4500/3500 Systems

`es-validate` Command Indicates Domain Dynamic Reconfiguration Module Is Not Set Up After Update (4857280)

During setup, the `es-validate` command checks all the add-on software and runs a setup script, if needed. Because the Dynamic Reconfiguration (DR) module does not need to be set up, the module does not have a setup script. After the Agent Update portion of the setup, the `es-validate` command displays a message that the DR module was not set up.

Note – This bug affects all locales.

Workaround: Ignore this message displayed for the DR module.

Runtime Issues

Issues include information that you should know about, such as, prerequisites, tips, troubleshooting hints, and bugs. Bugs are a subset of issues. Bugs have tracking numbers shown in parentheses. For updates on bugs and for patches, see the SunSolveSM web site at <http://sunsolve.sun.com>.

Localization Bugs

fr (French Locale): Manage Jobs - Set Schedule Menu Does Not Display Correctly (5033595)

Workaround: Enlarge the window horizontally.

After `es-validate` Is Run, Error Message Says Bad string for Server Hosts Definitions in `domain-config.x` (5022045)

There is no problem in the definitions in `domain-config.x`.

Workaround: Ignore the message.

GUI Setup: Next Button Is Enabled on Performance Reporting Manager Setup Progress Panel (5029528)

Clicking the Next button while the Performance Reporting Manager database is being set up might cause errors.

Workaround: Do not click the Next button while the Performance Reporting Manager database is being configured.

Some Mnemonics Do Not Work in Non-English Locales (5008434, 5040616, 5040617)

Using the mnemonic (shortcut) for the following operations might not work in some non-English locales:

- Create Object > Segment tab
- Manage Jobs > New Task
- Manage Jobs > Add Task
- Logging Setting
- PRM > Export Data > Save

Workaround: Use the mouse to perform the operation.

Netscape 4.7.x Displays Pages Incorrectly in Simplified Chinese Locales (zh_CN.GBK and zh_CN.GB18030) (4864462)

The page text in the Simplified Chinese locales, zh_CN.GBK and zh_CN.GB18030, is garbled when viewed in the Netscape™ version 4.7.x browser.

Workaround: Specify a different browser as your default browser. The following browsers are known to work correctly in these locales:

- Netscape™ 6.2.2
- Netscape 7.x
- Mozilla™
- Microsoft Internet Explorer

Netscape 4.6.x Displays Help Pages Incorrectly in Traditional Chinese Locale (zh_TW.UTF-8) (4880488)

Pages displayed by clicking the Help button in the Traditional Chinese locale (zh_TW.UTF-8) are garbled when using the Netscape version 4.6.x browser.

Workaround: To avoid this problem, specify a different default browser, such as Netscape 6.x or later.

Sun Fire Link Traditional Chinese Help Buttons Point to Incorrect Locale (4856610)

For Traditional Chinese users, some of the Sun Fire™ Link Help buttons are displayed in Simplified Chinese. Help pages that are displayed in Simplified Chinese instead of Traditional Chinese include the Manage All Partitions and Manage Registered Nodes dialog boxes buttons.

Workaround: Use the Help button on the Fabric Details console to view the correct help pages. The Fabric Details console is the main graphical user interface (GUI) for Sun Fire Link.

Sun Management Center Bugs

Individual Users Are Not Added to the ACL of the Server Support Module (4843429)

If you delete the esadm group from the ACLs of the agent and then add individual users to the ACL of the agent, the user is not automatically added to the ACL of the server support module. Because the server support module does not get updated with the user, the server support module does not allow enabling or disabling of the Performance Reporting Manager. This message is displayed:

```
Unable to enable/disable PRM data collection on an agent with new user
```

Workaround: Add the esadm group to the ACL of the agent and then add the individual users to the esadm group.

Sun Management Center Incorrectly Reports That a Successful Agent Update Has Failed (4994784)

The Job Manager user interface shows Failed for a successful agent update operation. When the agent update operation is performed using the Manage Jobs GUI (graphical user interface), the status of the operation is shown as successful or failed at two different levels.

- Summarized status: If the operation was attempted on multiple hosts and if it fails even on one of the hosts, the status of the entire Job is stated as Failed.
- Individual status: By clicking the View logs button in the GUI, you can view the status of the operation on the individual host.

The individual status is based on the status information reported by the host to the server through agent-to-server SNMP communication. The status might not be accurate in the following conditions:

- The upgrade was successful, but the SNMP port of the agent was changed as a result of agent upgrade that involves reinstall and reconfiguration.
- The upgrade was successful but the SNMP request timed out due to various other factors and the status was not communicated back successfully.
- The upgrade was successful, but the process took more than the 30-minute timeout set by the server for each individual host. As a result the server thread waiting for status update was terminated before the status report was initiated from the agent side.

Workaround: Use the View Logs tab of the server host details window to see the `InstallServer.log` on the server host. The details of the operation are available in `/var/opt/SUNWsymon/install/agent-update.log` of each target host on which the operation is performed.

Module Configuration Propagation (MCP) Does Not Work Through Firewall (4796734)

Module Configuration Propagation (MCP) reads and writes to the Sun Management Center web server through a single predefined port. The default port is 8080. If the web server sits behind a firewall, MCP has no problem reading from the web server, but will have a problem writing to the web server. Once the web server has established a connection with MCP, the server arbitrarily assigns a port to do its job. You cannot specify which port number the web server should assign.

Workaround: None.

Hardware Diagnostic Suite Software Bugs

Serial Port Break Sequence (4912141)

Testing the serial port on a system with an active terminal connection (TIP session) to a second system causes the second system to go to the OpenBoot PROM OK prompt. The break sequence is part of the test on the serial port. No notification is provided that a break sequence will be sent to the Sun Management Center console.

Workaround: If the second system has a keyswitch, set the keyswitch to the lock position to prevent the reaction of the break sequence. In addition, on the second system, type the following command before the test is run.

```
# kbd -a disable
```

Hardware Diagnostic Suite `enctest` Might Not Report Power Supply Status (4908213)

A full Hardware Diagnostic Suite test on the enclosure for a Sun StorEdge D1000 might still report a non-critical error, such as a pulled power supply cable, even after the problem has been fixed.

Workaround: Restart the Sun Management Center agent connected to the Sun StorEdge D1000 system.

Incorrect Error Message Displayed If `JAVA_HOME` Path Is Set to Value Longer Than 80 Characters (4854768)

If the `JAVA_HOME` path is set to a value longer than 80 characters, the following incorrect error message is displayed:

```
Could not start Hardware service
```

You can check that the Hardware Diagnostic Suite is running by typing:

```
% ps -aef | grep HWDS
```

Workaround: This error message can be ignored. The Hardware Diagnostic Suite starts correctly.

Slow Memory Leak Might Cause Sun Management Center 3.5 Update 1 to Crash (4852628)

When running multiple long-term processes on a server through the Hardware Diagnostic Suite console, a slow memory leak might occur. If additional free memory is not available on this server, Sun Management Center 3.5 Update 1 might crash and possibly dump core.

Workaround: None. The server must be restarted.

Performance Reporting Manager Software Bugs

Problem With Java Service Causes Performance Reporting Manager to Fail to Collect Agent Data (4855306)

If 15 or more Performance Reporting Manager report requests are scheduled to run at the same time, you might encounter one or more of the following problems after the software has been running for a period of time:

- Data is not collected from agent machines
- Some report requests remain in a run state indefinitely
- Report requests cannot be scheduled as desired
- Grouping task requests cannot be scheduled as desired
- The Report Manager GUI cannot be launched
- The Manage Jobs GUI cannot be launched

For some of the previously mentioned problems, the console might display the following error message when you launch the Manage Jobs GUI:

```
Task Service is not available
```

Similarly, for some of these problems, the console might display the following error message when you launch the Report Manager GUI:

```
Report Service is not available
```

Workaround: When you encounter this problem, stop and restart your server components. Type the following commands:

```
# es-stop -A
```

```
# es-start -A
```

To avoid this problem, do not schedule more than 15 report requests to run at the same time. Space the run time of scheduled requests over a period of time. For example, if you have 20 requests required to run every hour, split the requests into two separate batches, each containing 10 requests. Schedule the batches to run at 15-minute intervals. Do not schedule the batches to run at the same time.

Alarms Reports Not Filtered Correctly When All Hosts Option Is Selected (4788475)

Alarms logged against agent machines are not filtered correctly in Alarms Reports when the All Hosts option is selected and a filter is specified.

When the All Hosts option is selected along with a filter, the specified filter criteria are applied to all the alarms that are logged for all the hosts. The filtered alarms are returned in the report output. Additionally, the report includes any Agent Not Responding alarms and Host Not Responding alarms from all monitored hosts. The specified filter criteria are not applied to such alarms.

Workaround: This problem can be avoided by explicitly specifying host names for Alarms reports. Choose from the following workarounds:

- When generating an Alarms report for a single host, either select the host name by providing the `hostname:port`, or select the host name from the Sun Management Center topology view.
- When generating an Alarms report for multiple hosts, either provide the different host names as `hostname:port` in a comma-separated list, or select the multiple host names from the Sun Management Center topology view.

Service Availability Manager Software Bugs

Empty Cell Values for IMAP4 Modules on x86 Systems (5032172)

Rows added to the Service Measurement table of the Service Element for IMAP4 and Synthetic Transaction for IMAP4 modules come up with empty (zero) cell values. Adding rows after these modules have been unloaded and reloaded fails with the following message:

Row with following index exists:*nmn*

The bug might cause the Service Element for IMAP4 and Synthetic Transaction for IMAP4 modules to not work on x86 systems.

Workaround: Make sure that a Synthetic Transaction for IMAP4 module is loaded on a SPARC agent host to monitor IMAP services running on x86. The loaded module needs to be configured to probe the IMAP service on the x86 system.

Modify Service Object Dialog Box Might Not Accept Characters on Microsoft Windows 2000 Systems (4738717)

The Modify Service Object dialog box on a Microsoft Windows 2000 system might not accept characters in certain text fields when you are running the Java runtime environment, version 1.3.1 to version 1.4.0. When you attempt to change the service type value from the default of HTTP, characters provided for the Hostname and Instance text fields are not accepted.

Note – This problem does not occur if you are running the Java runtime environment version 1.4.1.

Workaround: Before using the Modify Service Object dialog box, install the Java runtime environment version 1.4.1 on Microsoft Windows 2000 systems.

Sun Enterprise 6500/5500/4500/3500 Server Bugs

Tape Drive Errors Might Be Displayed When Running Config Reader (4846230)

If you run the Sun Management Center Config Reader on a system with an IBM LTO tape library attached, the following tape error might be displayed at intervals:

Periodic head cleaning required.

Workaround: Ignore the error messages. The tape library and Sun Management Center software continue to run.

Sun Fire 15K/12K Systems Bugs

Platform View Updates Slowly Following addboard With SMS CLI (4997917)

After you perform an addboard operation at the command line in System Management Services (SMS), you might need to wait 10 minutes to update the corresponding Sun Management Center Platform view.

Workaround: Wait up to 10 minutes for the Platform view to be updated.

Platform Icon Might Not Be Visible on Right Panel of Sun Management Center Console (4864183)

After you create a Sun Fire High-End (15K/12K) platform object, the platform icon view, which is located on the right panel of the Sun Management console, might not be visible.

Workaround: Choose from the following two workarounds:

- If you have no need to use the platform icon, use the hierarchy that is located on the left panel of the Sun Management Center console for navigation.
- If you prefer that the platform icon is visible, use the following command to copy the icon file into the appropriate directory:

```
# cp /opt/SUNWsymon/classes/base/console/cfg/topoimages \  
sf15000-platform-xlarge.gif /var/opt/SUNWsymon/cfg/deviceimages \  
Starcat-sf15000-platform-xlarge.gif
```

Note – The new file name is different from the original file name.

The backslash (\) is a UNIX token that indicates a continuation of the command line.

Move Board Dialog Box Does Not Indicate Completion of Operation With Sun Fire High-End (15K/12K) Systems (5029907)

After performing a Move Board operation in the graphical user interface (GUI), you can track its status in the progress section of the Move Board dialog. However, there might be instances when an operation is successful but does not display a completion message.

Workaround: Use either the GUI or command-line interface (CLI) to verify whether the operation has completed.

- GUI – Close the Move Board dialog box and open the Show Status dialog box to view any messages related to the operation. The message `No status` from the agent indicates that the operation has completed.
- CLI – The output of this command executed on the SC tells you whether the operation has completed:

```
% ps -ef | grep moveboard
```

Confirmation Dialog Boxes for Domain DR Operations Can Be Edited (5027103)

The following domain DR operations result in confirmation dialog boxes that can be edited:

- Detach, Attach
- Unassign, Assign
- Power On, Power Off

Workaround: Editing the contents of these dialog boxes does not affect Sun Management Center 3.5 functionality. Click the OK or Cancel button.

Domain Views Might Display Erroneous Domain ID Status for High-End (15K/12K) Systems (5028738)

With Sun Fire 15K/12K systems, the Domain view for a slot board sometimes displays an erroneous domain ID. When a slot board is listed in the ACL list with a given domain ID *n*, that domain ID *n* remains even after the board has been unassigned from the domain in that view.

Workaround: To determine the correct domain ID, check the Platform view, rather than the Domain view.

Sun Fire Midrange Systems Bugs

Power Off Option Not Available for System Controller (4978501)

When you press mouse button 3 on a system controller (SC) listed in the Platform Administration -> Slots -> SC table, the menu does not provide a power off option.

Workaround: Use the command-line interface (CLI) to power off the system controller.

Power On and Power Off Option Not Available for Power Supplies (4979650)

When you press mouse button 3 on a power supply listed in the Platform Administration -> Slots -> Power Supply table, the menu does not provide a power on/power off option.

Workaround: Use the command-line interface (CLI) to power on or off the power supply.

Node Names in CPU and I/O Boards Tables Display Incorrectly After Hot-Plug Operation (4989067)

The node names in the Platform Administration -> Slots -> CPU table and I/O Boards table are missing after a hot-plug operation.

Workaround: Use the Refresh button to refresh the table and display the correct values.

No Error Message on Status Window That WPCI Board Cannot Be Dynamically Reconfigured (4989685)

If you try a dynamic reconfiguration (DR) operation on the Sun Fire Link peripheral component interconnect (WPCI) Board in the DR module -> Attachment Points -> WPCI Board table, the status window does not show an error message that you cannot dynamically reconfigure that WPCI board.

Workaround: Use the command-line interface (CLI) to dynamically reconfigure the WPCI board.

Use Logical IP Address to Create Platform Administration Agent When Logical Address Is Set (4992956)

If a logical Internet Protocol (IP) address is already set in the system controller using the `setupplatform -p sc` command, you need to use a logical IP address when you set up the system controller in the Platform Administration module. Otherwise, you see a black splat and all the tables in the Platform Administration module are empty.

Workaround: Use the `showplatform -p sc` command to check whether the system controller has a logical IP address already set. If so, set up the logical IP address for the system controller in the Platform Administration module.

Sun Fire Link Bugs

Using Sun Fire Link With Network Address Translation (4948690)

To use the Sun Management Center with Sun Fire Link in a Network Address Translation (NAT) environment, you must first install a patch.

Workaround: Choose a patch according to the version of Solaris that you are running:

- Solaris 8 Platform: Patch 116164
- Solaris 9 Platform: Patch 116162

Sun Fire Link Dialog Boxes Might Display Erroneous Information (4984273)

When using the Sun Fire Link graphical user interface (GUI) with Sun Fire midrange systems, you might encounter unexpected behavior. Dialog boxes sometimes do not close when you click the OK button. Status messages in dialog boxes might sometimes reflect outdated information.

Workaround: If you encounter this behavior, use the command-line interface (CLI) instead of the GUI for up-to-date status information.

Node Failure During Link Bring-Up Might Cause Sun Management Center Console and Fabric Details Windows to Freeze (4857941)

If a node fails after a cluster has been configured but before all the links have been powered up, the Sun Management Center console and Fabric Details windows might freeze.

Workaround: Apply a patch according to the version of Solaris that you are running:

- Solaris 8 Platform: Patch 116164-02
- Solaris 9 Platform: Patch 116160-01 and 116162-01

Striping Level 1 for Sun Fire Link Switch Configuration Not Supported (4858050)

If you select a striping level of 1 for a Sun Fire Link Switch configuration, the striping level is automatically upgraded to a 2. However, that level is not reflected in the Fabric Details window of the Sun Management Center console.

Workaround: Apply a patch according to the version of Solaris that you are running:

- Solaris 8 Platform: Patch 116164-02
- Solaris 9 Platform: Patch 114995-02 and 1161612-01

Sun Management Center Is Slow to Update Link Status When a Cluster Node Goes Down (4644785)

If a cluster node goes down while the link status is being displayed in the Fabric Details window, the Sun Management Center console might not update the status of the affected links for an hour or more. Moreover, if the cluster node is restored, and the links are re-established, the Fabric Details window might continue to display the links as down.

Workaround: Apply a patch according to the version of Solaris that you are running:

- Solaris 8 Platform: Patch 116164-01
- Solaris 9 Platform: Patch 116162-01

Sun Fire Link Interconnect Fabric Name Is Not Updated When a New Fabric Is Loaded (4771624)

If you unload and stop a fabric and then load another fabric with a different name, the Sun Fire Link (SFL) object icon that is displayed in the Sun Management Center console window retains the name of the removed fabric. However, the Fabric icon label shows the name of the new fabric.

Workaround: After unloading and stopping the fabric that you want to replace, delete the corresponding composite object.

Manage Registered Nodes Menu Option Might Not Be Displayed (4855259)

If you access the fabric icon pop-up menu by pressing mouse button 3 from within the Sun Management Center Fabric Details window, the Manage Registered Nodes menu option might not be displayed.

Workaround: Use the Fabric menu to select the Manage Registered Nodes option instead.

Switch Physical View or Logical View Alarm Color Not Shown (4855551)

When an alarm is triggered in the Sun Fire Link switch module, the switch physical view or logical view (PV/LV) does not show the alarm color.

Workaround: You can view the correct alarm colors in the module's browser and the alarms table.

Scroll Bar Not Displayed on Right Side of Fabric Details Window (4856536)

The Fabric Details window does not include a scroll bar in the large icon view of the Chassis & Links perspective. The scroll bar should always be displayed when the image is larger than the Fabric Details window. The scroll bar enables you to view all the nodes in a large partition.

Workaround: While in the Chassis & Links perspective, change from the large icon view to the small icon view. The scroll bar is displayed. Then change back to the large icon view. The scroll bar stays displayed.

Note – Changing to the Nodes & Routes perspective from the large icon Chassis & Links perspective also displays the scroll bar. However, when you change back to the large icon Chassis & Links perspective, the scroll bar is no longer available.

Empty Grey Box Might Be Displayed in Fabric Details Window for Chassis & Links Perspective (4856884)

In the Sun Management Center Fabric Details window, when you are in the Chassis & Links perspective, an empty grey box might be displayed in the following instances:

- Before you have added a switch to a newly created partition object
- After you have deleted the last switch from a single partition when unconfiguring the fabric

Workaround: Apply the appropriate patch.

- Solaris 8 Platform: Patch 116164-02
- Solaris 9 Platform: Patch 116162-01

Fabric Manager Remote Shared Memory Proxy Has Memory Leak (4863270)

The Sun Fire Link Fabric Manager Remote Shared Memory (WRSM) proxy leaks memory when the proxy receives an event from the kernel system event notification daemon, `syseventd(1M)`.

Workaround: For the Solaris 8 or Solaris 9 platform, apply patch 114786-02.

Data Missing From Route Properties Window (4771419)

When displaying route properties data in a Fabric Details context, some data might be missing from the To and From fields of the table.

Workaround: None.

Bug That Applies to Sun Fire High-End (15K/12K) Systems and Sun Fire Link Systems

Attempts to Remove a Node From Sun Fire High-End (15K/12K) Chassis Might Fail When Chassis Has Multiple Nodes in the Same Partition (4856525)

When a Sun Fire High-End (15K/12K) chassis has two or more nodes configured into the same partition, attempts to remove the nodes from the partition might fail if that chassis is the only chassis with multiple nodes in that partition. This problem is caused by the need to create memory mapping aliases when multiple nodes from a chassis are configured into the same partition. This aliasing is done independently by every chassis that contributes multiple nodes to a common partition. When you remove all but one of a chassis's nodes from a partition, the aliasing created for that chassis will become invalid.

For example, say you have a partition consisting of three nodes:

xc1-a, xc1-b, xc2-a

where *xc1* and *xc2* are two Sun Fire High-End (15K/12K) systems.

If you remove either *xc1-a* or *xc1-b* from the partition, the memory map aliasing for the *xc1* system becomes invalid.

However, if the partition includes two or more chassis that contribute multiple nodes, the memory map aliasing created for the second chassis compensates for the loss of aliasing in the first chassis. This compensation allows continued use of the partition.

For example, say you have a partition consisting of four nodes:

xc1-a, xc1-b, xc2-a, xc2-b

If you remove either *xc1-a* or *xc1-b* from the partition, the memory map aliasing for the *xc1* system becomes invalid. However, the aliasing for chassis *xc2* remains valid. The partition can continue operation.

Workaround: For the Solaris 8 platform, apply patch 116160-01.

Workgroup Servers (High-End Entry Servers) Issue

Sun Ultra 5 Workstation Might Identify Itself as Sun Ultra 10 Workstation After Upgrade With Agent Update Utility

If you use the Agent Update utility to update the Sun Management Center 3.5 agent on a Sun Ultra™ 5 workstation, the workstation might identify itself as a Sun Ultra 10 workstation after the upgrade. As a result, the icon and physical view for the Sun Ultra 5 display in Sun Management Center windows as a Sun Ultra 10.

Workaround: To correct the problem, complete the following steps:

1. At the system prompt, type the following command to stop the Sun Management Center agent:

```
# es-stop -a
```

2. Change to the following directory:

```
# cd /var/opt/SUNWsymon/platform
```

3. In the `platform` prop file, change the `UltraModel=10` entry to `UltraModel=5`.

4. Type the following command to start the Sun Management Center agent:

```
# es-start -a
```

Workgroup Servers (High-End Entry Servers) Bug

Some Platform Types Not Available in Discover Objects Menu (4822174)

When you perform a discovery request and choose to discover platforms by platform type, the available platforms appear in a drop-down menu. This drop-down menu is located under the Filters tab in the New Discovery Request dialog box.

The drop-down menu does not include entries for the following Sun Enterprise Ultra servers:

- Sun Enterprise Ultra 2
- Sun Enterprise Ultra 5
- Sun Enterprise Ultra 10

Workaround: If you need to perform a discovery request for any of the preceding Sun Enterprise Ultra servers, perform the request manually.

Sun StorEdge A5x00 and T3 Arrays Bugs

A5x00 Module Does Not Populate Tables With Values (4973319)

Sun Management Center 3.5 Update 1 requires the latest SUNWluxop patch.

Workaround: For systems with A5x00 storage, download and apply the patch for the SUNWluxop package.

- Solaris 6 Platform: No patch available
- Solaris 7 Platform: Patch 107473-07 or later
- Solaris 8 Platform: Patch 111413-12 or later
- Solaris 9 Platform: Patch 113043-06 or later

Late-Breaking News

This chapter includes information on new features that arrived too late to be included in the Sun Management Center 3.5 Update 1 documentation set.

Halcyon PrimeAlert Agent for Linux

The Halcyon PrimeAlert[®] Agent for Linux (Linux Agent) allows Sun Management Center 3.5 Update 1 to monitor hosts running Linux. The Linux agent is being released at the same time as Sun Management Center 3.5 Update 1. For more information, see the *Sun Management Center 3.5 Update 1 Supplement for Halcyon PrimeAlert Agent for Linux*.

N1 Grid Console - Container Manager

Sun Management Center 3.5 Update 1 supports a new add-on, the N1[™] Grid Console - Container Manager 1.0. This product manages containers, which can be used to give an application dedicated amounts of system resources. Containers are useful in a server-consolidated environment where multiple applications share the same system. The main features include the following:

- Container creation, deletion, and modification
- Application performance monitoring
- Process tracking in the container
- Scheduling changes to the container to fit changing resource needs
- Alarm setting to manage the application proactively
- Application usage accounting data for billing

For more information, see *Installing and Administering N1 Grid Console - Container Manager 1.0*.

Supported Hardware

The following table lists the Sun systems supported by Sun Management Center 3.5 Update 1. Hardware added for Update 1 is marked (New).

For updated information on supported hardware, see the Sun Management Center web site at <http://www.sun.com/software/solaris/sunmanagementcenter/index.html>.

TABLE 3-1 Sun Systems Supported by Sun Management Center 3.5 Update 1

System Type	Model
Netra™	Netra 1280
	UltraSPARC® IV CPU board support for Netra 1280 (New)
	Netra T4/Netra 20
	Netra X1
	Netra T1
	Netra T1 model 100 server /Netra T1 model 105 server
	Netra T 1120/1125
	Netra T 1400/1405
	Sun Fire V100
	Sun Fire V120/Netra 120
	Sun Fire V210 (New)
	Sun Fire V240 (New)
	Sun Fire V250 (New)
	Sun Fire V440 (New)
	Sun Fire Midrange and High-End
Sun Fire E6900/E4900 (New)	

TABLE 3-1 Sun Systems Supported by Sun Management Center 3.5 Update 1 (Continued)

System Type	Model
	UltraSPARC IV CPU board support for Sun Fire 6800/4800 and Sun Fire V1280 (New)
	Sun Fire High-End (15K/12K) systems
	PCI+ support for Sun Fire Midrange systems (New)
	Sun Fire V1280
	Sun Fire Link
	hPCI+ board and CP2140 system controller for Sun Fire High-End systems (New)
	Sun Enterprise 10000 (Starfire)
	Sun Enterprise 6500/5500/4500/3500 Systems
Workgroup Server	Sun Enterprise 2
	Ultra™ 5 workstation
	Ultra 10 workstation
	Sun Enterprise 220R
	Sun Enterprise 250
	Sun Enterprise 420R
	Sun Fire 280R
	Sun Enterprise 450
	Sun Fire V480
	Sun Fire V880
	Sun StorEdge™ Filer N8200
	Sun StorEdge Filer N8400
Desktop	Ultra 30
	Ultra 60
	Ultra 80
	Sun Blade™ 100
	Sun Blade 150
	Sun Blade 1000
	Sun Blade 1500 (New)

TABLE 3-1 Sun Systems Supported by Sun Management Center 3.5 Update 1 (Continued)

System Type	Model
	Sun Blade 2000
	Sun Blade 2500 (New)

Sun Management Center 3.5 Update 1 Packages

Table 3-2 lists the software packages in the Sun Management Center 3.5 Update 1 release for the English locale. This list also includes add-on software packages.

For localized software packages for Sun Management Center 3.5 Update 1, see Table 3-3. For localization packages for hardware, see the appropriate add-on supplement.

TABLE 3-2 Sun Management Center 3.5 Update 1 Packages (English Locale)

Package Name	Description
SUNWcmcon	Core web framework and common components of the Sun Web Console for Simplified Chinese
SUNWcmctg	Tags and common components of the Sun Web Console for Simplified Chinese
SUNWed	Hardware Diagnostic Suite Server and UI
SUNWedacs	Domain Server and Agent Setup functionality for Sun Fire Midrange Systems
SUNWedag	Hardware Diagnostic Suite Agent and Tests
SUNWedagx	64-bit Hardware Diagnostic Suite Agent and Tests
SUNWedcom	Hardware Diagnostic Suite common components among server and agent installations
SUNWenadm	Advanced monitoring message files
SUNWencam	TNG integration message files
SUNWenedh	Hardware Diagnostic Suite Help and Image files
SUNWenedp	Hardware Diagnostic Suite Server and UI
SUNWenesf	Sun Management Center console and server properties
SUNWenesh	All the SES help files in HTML

TABLE 3-2 Sun Management Center 3.5 Update 1 Packages (English Locale) *(Continued)*

Package Name	Description
SUNWenesi	Localized messages for the scripts
SUNWensca	Sun Management Center English Message files for Sun Fire 15K/12K systems
SUNWensda	Domain Agent English message files for Sun Fire Midrange Systems
SUNWensdr	Dynamic Reconfiguration English message files for Sun Fire High-End and Midrange systems
SUNWensfc	English message files for Sun Enterprise (6500/5500/4500/3500) Config Reader module
SUNWensfi	Sun Management Center English Messages for Starfire™ systems
SUNWensfl	Sun Fire Link English Message files
SUNWenspa	English messages for Platform Agent functionality for Sun Fire Midrange Systems
SUNWenstm	Storage Modules message files
SUNWentia	Tivoli integration message files
SUNWesadf	Dynamic Reconfiguration agent functionality on Sun Fire High-End and Midrange systems
SUNWesadr	Module for Sun Enterprise (6500/5500/4500) DR
SUNWesae	System files needed by Sun Management Center Agent
SUNWesaem	Agent side components for handling events
SUNWesaes	Modules for Service Availability Manager
SUNWesagt	Infrastructure to run SES agents
SUNWesamn	Package provides the agent components for Advanced System Monitoring
SUNWesarg	Agent layer support for Performance Reporting Manager add-on
SUNWesasc	The Advanced Services Console component
SUNWesasm	Modules for System Reliability Manager
SUNWesaxp	JAXP 1.1.3 jar files
SUNWescaa	Application and supporting software for passing events from Sun Management Center to Unicenter TNG™ Event Console
SUNWescad	Unicenter TNG DSM configuration files
SUNWescah	Sun Management Center host detail console

TABLE 3-2 Sun Management Center 3.5 Update 1 Packages (English Locale) *(Continued)*

Package Name	Description
SUNWescam	Console component of Sun Management Center Advanced System Monitoring add-on
SUNWescap	Application and supporting software for passing events from Sun Management Center to Unicenter TNG Event Console
SUNWescas	Unicenter TNG world view configuration files
SUNWescca	Sun Management Center Common Config Reader Module Agent Core Component
SUNWescdd	Sun Management Center Sun Fire High-End and Midrange Systems Support - Console component for Dynamic Reconfiguration
SUNWescdi	Sun Management Center Common Config Reader Module Initialization
SUNWescdp	Sun Management Center Sun Fire Midrange Systems Support - Console component for Platform Admin Module
SUNWescds	Sun Management Center Common Config Reader Module Server Core Component
SUNWescda	Sun Management Center Common Config Reader Module Agent DAQ Component
SUNWescdf	Dynamic Reconfiguration console functionality on Sun Fire High-End and Midrange systems
SUNWescdl	Common Config Reader DAQ Library
SUNWescdv	Console Dataview component
SUNWesces	Console layer support for Service Availability Manager
SUNWescfa	Sun Management Center Common Config Reader Module Sun Fire V250 Agent Component
SUNWescfl	Common Config Reader Sun Fire V250 platform support
SUNWescfs	Sun Management Center Common Config Reader Module Sun Fire V250 Server Component
SUNWescha	Sun Management Center Common Config Reader Module Sun Fire V440 Agent Component
SUNWeschl	Common Config Reader Sun Fire V440 Platform Support
SUNWeschs	Sun Management Center Common Config Reader Module Server HEES Platform Component
SUNWescix	Console side import/export component
SUNWesccli	SES command-line interface component

TABLE 3-2 Sun Management Center 3.5 Update 1 Packages (English Locale) *(Continued)*

Package Name	Description
SUNWesc1t	Client API component
SUNWescom	Common components among all SES installations
SUNWescon	SES console component
SUNWescpa	Sun Management Center Common Config Reader Module Sun Fire V210/V240 Agent Component
SUNWescpl	Common Config Reader Sun Fire V210/V240 platform support
SUNWescps	Sun Management Center Common Config Reader Module Sun Fire V210/V240 Server Component
SUNWescrg	Provides console layer support for Performance Reporting Manager add-on
SUNWescwa	Sun Management Center Common Config Reader Module Sun Blade 1500/2500 Agent Platform Component
SUNWescws	Sun Management Center Common Config Reader Module Sun Blade 1500/2500 Server Platform Component
SUNWesdb	Internal database for running SES components
SUNWesdrg	Database layer support for Performance Reporting Manager
SUNWesgui	Sun Management Center GUI Installation
SUNWeshes	Help files for Service Availability Manager add-on
SUNWeshrg	Help files for Performance Reporting Manager add-on
SUNWeshsm	Help files for Sun Management Center System Reliability Manager
SUNWesip6	IPv6 modules for advanced monitoring pack
SUNWesjp	All the dependent Java components that are required to run SES
SUNWesjrm	Client API support component
SUNWesken	Kernel reader module among all SES installations
SUNWeslrg	Service API (Client side) support for Performance Reporting Manager add-on
SUNWesmc	TCP Console component
SUNWesmcf	Files for Metadata for Config Reader module
SUNWesmcp	Infrastructure to run MCP
SUNWesmdr	Sun Management Center MDR for Basic Pack
SUNWesmib	MIB instance module among all SES installations

TABLE 3-2 Sun Management Center 3.5 Update 1 Packages (English Locale) *(Continued)*

Package Name	Description
SUNWesmod	All the modules that are optional for SES agent
SUNWesnta	Conf igd agent for Netra T platforms
SUNWesnti	Files to initialize Netra T platforms
SUNWesnts	Sun Management Center Server images for Netra T platforms
SUNWesora	Infrastructure to manage the database
SUNWesprm	Sun Management Center Performance Reporting Manager add-on
SUNWespro	Process module for advanced monitoring pack
SUNWespsc	Sun Management Center Sun Fire Midrange Systems Support - Server component for Platform Admin Module
SUNWessa	SES server agents that are required for running SES
SUNWessam	Service Availability Manager add-on for Sun Management Center
SUNWesscd	Sun Management Center Agent layer support for Sun Fire 15K/12K domains
SUNWesscg	Sun Management Common support for Sun Fire 15K/12K platform
SUNWessco	Sun Management Center Sun Fire Midrange Systems Support - Server component for Domain Admin Module
SUNWesscp	Sun Management Center Agent layer support for Sun Fire 15K/12K platform
SUNWesscs	Sun Management Center Server layer support for Sun Fire 15K/12K platform
SUNWessda	Domain Agent functionality for Sun Fire Midrange systems
SUNWessdf	Dynamic Reconfiguration server functionality on Sun Fire High-End and Midrange systems
SUNWessdk	SDK components for all Sun Management Center installations
SUNWessdr	Server-side properties files for Sun Enterprise (6500/5500/4500) Dynamic Reconfiguration (DR)
SUNWessdv	Server-side interface component for Dataview services
SUNWesse	System files needed by SES Server
SUNWesses	Server-side interface component for Service Availability Manager
SUNWessfd	Sun Management Center Agent layer support for Starfire domains
SUNWessfg	Sun Management Center Common support for Starfire domains

TABLE 3-2 Sun Management Center 3.5 Update 1 Packages (English Locale) *(Continued)*

Package Name	Description
SUNWessfp	Sun Management Center Agent layer support for Starfire SSPs
SUNWessfs	Sun Management Center Server layer support for Starfire systems
SUNWessmn	The server components of Sun Management Center Advanced System Monitoring add-on
SUNWessms	Server-side interface component for MCP Services
SUNWesspa	Platform Agent functionality for Sun Fire Midrange systems
SUNWesspc	Sun Fire Midrange Systems platform administration
SUNWessps	Sun Management Center Server support package For Sun Fire Midrange systems platform administration
SUNWessrg	Server layer support for Performance Reporting Manager add-on
SUNWessrm	Localization support for Sun Management Center System Reliability Manager
SUNWessrv	SES server component
SUNWesssd	Server-side files for Sun Fire Midrange Systems Domain
SUNWesssm	Server layer support for Sun Management Center System Reliability Manager
SUNWessta	Sun Management Center Agent support package for storage modules
SUNWesstg	Sun Management Center GUI setup for storage modules
SUNWessts	Sun Management Center Server support package for storage modules
SUNWessvc	Server-side interface component for Advanced Services
SUNWestbl	The Sun Management Center database
SUNWestia	Application and supporting software for passing events from Sun Management Center to the Tivoli Event Console
SUNWesval	Sun Management Center Validation Tool components
SUNWeswci	Sun Fire Link console component
SUNWeswcx	Sun Management Center agent for the Fire Link Switch Chassis manager
SUNWesweb	Sun Management Center Web console component
SUNWeswfm	Sun Fire Link network component
SUNWeswga	Libraries for Workgroup Server Agent
SUNWeswgi	Files to initialize Workgroup Server

TABLE 3-2 Sun Management Center 3.5 Update 1 Packages (English Locale) *(Continued)*

Package Name	Description
SUNWeswgs	Physical view support for Workgroup Server platforms
SUNWeswha	Libraries for Workgroup Server Agent
SUNWeswhd	Libraries for the Sun Fire V880 and V890 Workgroup Servers
SUNWeswsa	Conf igd agent for Ultra Workstation platforms
SUNWeswsi	Files to initialize Ultra Workstations
SUNWeswss	Sun Management Center Server images for Ultra Workstation platforms
SUNWfmcon	Core web framework and common components of the Sun Web Console for French
SUNWfmctg	Tags and common components of the Sun Web Console for French
SUNWhdrmi	Hardware Diagnostic Suite Server and UI
SUNWhmcon	Core web framework and common components of the Sun Web Console for Traditional Chinese
SUNWhmctg	Tags and common components of the Sun Web Console for Traditional Chinese
SUNWjato	Sun ONE Application Framework runtime
SUNWjmcon	Core web framework and common components of the Sun Web Console for Japanese
SUNWjmctg	Tags and common components of the Sun Web Console for Japanese
SUNWkmcon	Core web framework and common components of the Sun Web Console for Korean
SUNWkmctg	Tags and common components of the Sun Web Console for Korean
SUNWlgsmc	Sun Management Center Web Console Authorization plug-in
SUNWmcon	Core web framework and common components of the Sun Web Console
SUNWmconr	Console startup scripts
SUNWmcos	Solaris implementation of core web console interfaces
SUNWmcosx	Solaris implementation of core web console interfaces
SUNWmctag	Tags and common components of the Sun Web Console
SUNWmeta	Infrastructure to run SES Metadata agent
SUNWpsmd	Sun Microsystems documentation
SUNWrsmpr	Sun Fire Link Remote Shared Memory Proxy Root Package

TABLE 3-2 Sun Management Center 3.5 Update 1 Packages (English Locale) *(Continued)*

Package Name	Description
SUNWrsmptu	Sun Fire Link Remote Shared Memory Proxy User Package
SUNWscsca	Sun Management Center Agent layer support for the Sun Fire 15K/12K System Controller
SUNWscscs	Sun Management Center Server layer support for the Sun Fire 15K/12K System Controller
SUNWsdocs	Documentation
SUNWsf1cm	Sun Fire Link Common Package
SUNWsmid	Sun Microsystems documentation
SUNWsuagt	Agent-update module and support files
SUNWsucon	Console-side interface component for Dynamic Agent Update
SUNWsusrv	Server-side interface component for Dynamic Agent Update
SUNWswrsm	RSM Fire Link component
SUNWswsrv	Sun Fire Link Server component
SUNWsyefd	Infrastructure to run <code>configd</code>
SUNWtcatr	Tomcat Servlet/JavaServer Pages™ JSP™ Container (root)
SUNWtcatu	Tomcat Servlet/JSP Container
SUNWwccmn	Sun Fire Link Interface common files
SUNWwcfmr	Sun Fire Link Manager root package
SUNWwcfms	Sun Fire Link Fabric Manager shared files
SUNWwcfmu	Sun Fire Link Manager user package
SUNWwhelp	Sun Fire Link help component

TABLE 3-3 Localized Software Packages for Sun Management Center 3.5 Update 1

Package Name	Package Description
Core	
SUNWcesf	Simplified Chinese Sun Management Center Console properties system
SUNWcesh	Sun Management Center Simplified Chinese Help system
SUNWcesi	Simplified Chinese Sun Management Center script localization messages system

TABLE 3-3 Localized Software Packages for Sun Management Center 3.5 Update 1
(Continued)

Package Name	Package Description
SUNWfresf	French Sun Management Center Console properties system
SUNWfresh	Sun Management Center French Help system
SUNWfresi	French Sun Management Center script localization messages system
SUNWhesf	Traditional Chinese Sun Management Center Console properties system
SUNWhesh	Sun Management Center Traditional Chinese Help system
SUNWhesi	Traditional Chinese Sun Management Center script localization messages system
SUNWjaesf	Japanese Sun Management Center Console properties system
SUNWjaesh	Sun Management Center Japanese Help system
SUNWjaesi	Japanese Sun Management Center script localization messages system
SUNWkoesf	Korean Sun Management Center Console properties system
SUNWkoesh	Sun Management Center Korean Help system
SUNWkoesi	Korean Sun Management Center script localization messages
Advanced System Monitoring	
SUNWcam	Sun Management Center Advanced Monitoring Simplified Chinese message files package system
SUNWham	Sun Management Center Advanced Monitoring Traditional Chinese message files package system
SUNWhdrmi	Hardware Diagnostic Suite Console system
SUNWjaam	Sun Management Center Advanced Monitoring Japanese message files package system
SUNWkoam	Sun Management Center Advanced Monitoring Korean message files package
Hardware Diagnostic Suite	
SUNWcedh	Simplified Chinese Localization for Hardware Diagnostics Suite Help system
SUNWcedp	Simplified Chinese Localization for Hardware Diagnostics Suite prop files system
SUNWfredh	French Localization for Hardware Diagnostics Suite Help system

TABLE 3-3 Localized Software Packages for Sun Management Center 3.5 Update 1
(Continued)

Package Name	Package Description
SUNWfredp	French Localization for Hardware Diagnostics Suite prop files system
SUNWhedh	Traditional Chinese Localization for Hardware Diagnostics Suite Help system
SUNWhedp	Traditional Chinese Localization for Hardware Diagnostics Suite prop files system
SUNWjaedh	Japanese Localization for Hardware Diagnostics Suite Help system
SUNWjaedp	Japanese Localization for Hardware Diagnostics Suite prop files system
SUNWkoedh	Korean Localization for Hardware Diagnostics Suite Help system
SUNWkoedp	Korean Localization for Hardware Diagnostics Suite prop files
Service Availability Manager	
SUNWcsam	Sun Management Center SAM Add-on - Simplified Chinese system
SUNWcsmh	Service Availability Manager Help package for Sun Management Center - Simplified Chinese system
SUNWfrsam	Sun Management Center SAM Add-on - French system
SUNWfrsmh	Service Availability Manager Help package for Sun Management Center - French system
SUNWhsam	Sun Management Center SAM Add-on - Traditional Chinese system
SUNWhsmh	Service Availability Manager Help package for Sun Management Center - Traditional Chinese system
SUNWjasam	Sun Management Center SAM Add-on - Japanese system
SUNWjasmh	Service Availability Manager Help package for Sun Management Center - Japanese system
SUNWkosam	Sun Management Center SAM Add-on - Korean system
SUNWkosmh	Service Availability Manager Help package for Sun Management Center - Korean
Performance Reporting Manager	
SUNWchrg	Sun Management Center Performance Reporting Manager help package - Simplified Chinese system
SUNWcprm	Sun Management Center PRM Add-on - Simplified Chinese system

TABLE 3-3 Localized Software Packages for Sun Management Center 3.5 Update 1
(Continued)

Package Name	Package Description
SUNWfrhrg	Sun Management Center Performance Reporting Manager help package - French system
SUNWfrprm	Sun Management Center PRM Add-on - French system
SUNWhhrg	Sun Management Center Performance Reporting Manager help package - Traditional Chinese system
SUNWhprm	Sun Management Center PRM Add-on - Traditional Chinese system
SUNWjahrg	Sun Management Center Performance Reporting Manager help package - Japanese system
SUNWjaprm	Sun Management Center PRM Add-on - Japanese system
SUNWkohrg	Sun Management Center Performance Reporting Manager help package - Korean system
SUNWkoprm	Sun Management Center PRM Add-on - Korean
Storage	
SUNWcstm	Sun Management Center - Storage Modules Simplified Chinese message files package system
SUNWfrstm	Sun Management Center - Storage Modules French message files package system
SUNWhstm	Sun Management Center - Storage Modules Traditional Chinese message files package system
SUNWjastm	Sun Management Center - Storage Modules Japanese message files package system
SUNWkostm	Sun Management Center - Storage Modules Korean message files package
System Reliability Manager	
SUNWcsrhl	Sun Management Center System Reliability Manager Help - Simplified Chinese system
SUNWcsrml	Sun Management Center System Reliability Add-on - Simplified Chinese system
SUNWfrsrhl	Sun Management Center System Reliability Manager Help - French system
SUNWfrsrml	Sun Management Center System Reliability Add-on - French system
Sunrise	Sun Management Center System Reliability Manager Help - Traditional Chinese system

TABLE 3-3 Localized Software Packages for Sun Management Center 3.5 Update 1
(Continued)

Package Name	Package Description
Sensorium	Sun Management Center System Reliability Add-on - Traditional Chinese system
SUNWjasrh	Sun Management Center System Reliability Manager Help - Japanese system
SUNWjasrm	Sun Management Center System Reliability Add-on - Japanese system
SUNWkosrh	Sun Management Center System Reliability Manager Help - Korean system
SUNWkosrm	Sun Management Center System Reliability Add-on - Korean
TNG	
SUNWccam	Sun Management Center - Unicenter TNG Integration Simplified Chinese message files package system
SUNWfrcam	Sun Management Center - Unicenter TNG Integration French message files package system
SUNWhcam	Sun Management Center - Unicenter TNG Integration Traditional Chinese message files package system
SUNWjacam	Sun Management Center - Unicenter TNG Integration Japanese message files package system
SUNWkocam	Sun Management Center - Unicenter TNG Integration Korean message files package
Tivoli	
SUNWctia	Sun Management Center - Tivoli Integration Simplified Chinese message files package system
SUNWfrtia	Sun Management Center - Tivoli Integration French message files package system
SUNWhtia	Sun Management Center - Tivoli Integration Traditional Chinese message files package system
SUNWjatia	Sun Management Center - Tivoli Integration Japanese message files package system
SUNWkotia	Sun Management Center - Tivoli Integration Korean message files package
Documentation	
SUNWfrsmd	Sun Management Center 3.5 Software Collection - fr - HTML application

TABLE 3-3 Localized Software Packages for Sun Management Center 3.5 Update 1
(Continued)

Package Name	Package Description
SUNWpfrsmd	Sun Management Center 3.5 Software Collection - fr - PDF application
SUNWjasmd	Sun Management Center 3.5 Software Collection - Japanese - HTML application
SUNWpjasmd	Sun Management Center 3.5 Software Collection - Japanese - PDF application
SUNWkosmd	Sun Management Center 3.5 Software Collection - ko - HTML application
SUNWpkosmd	Sun Management Center 3.5 Software Collection - ko - PDF application
SUNWpzhsm	Sun Management Center 3.5 Software Collection - zh - PDF application
SUNWzhsm	Sun Management Center 3.5 Software Collection - zh - HTML application
SUNWpztsm	Sun Management Center 3.5 Software Collection - zh_TW - PDF application
SUNWztsmd	Sun Management Center 3.5 Software Collection - zh_TW - HTML

Documentation Issues

This chapter describes documentation errors and omissions. Bug numbers are shown in parentheses.

Sun Management Center 3.5 Update 1 Supplement Issue

“Support for New Hardware Products” Section

The “Support for New Hardware Products” section in the *Sun Management Center 3.5 Update 1 Supplement* (Chapter 1, page 10) had incomplete information. The UltraSPARC® IV CPU board support applies to the Sun Fire 6800/4800, Sun Fire V1280, and Netra 1280 systems. If you install the UltraSPARC IV CPU/Memory board upgrade in a Sun Fire V1280 or Netra 1280 system, you must install the following:

- Midrange systems firmware 5.17.0
- Netra-T Add-on packages for Sun Management Center 3.5 Update 1

Note – The Sun Fire V1280 and Netra 1280 systems are also called the Sun Fire entry-level midrange systems.

“Upgrade Path 3.5 to 3.5 Update 1” Section

This information was omitted from the “Upgrade Path from 3.5 to 3.5 Update 1” section in the *Sun Management Center 3.5 Update 1 Supplement*: When you upgrade to Sun Management Center 3.5 Update 1 from Sun Management Center 3.5, the installation wizard launches the uninstallation wizard automatically.

Sun Management Center 3.5 Update 1 Online Help and Documentation Issue

Even though online help and other documentation were not revised for this release and are labeled for Sun Management Center 3.5, they still apply to the Sun Management Center 3.5 Update 1.

Sun Management Center 3.5 Installation and Configuration Guide Issues

“Installation Overview” Chapter

This following information was omitted from the “Installation Overview” section in the *Sun Management Center 3.5 Installation and Configuration Guide*.

The Sun Management Center 3.5 documentation is available at <http://docs.sun.com> and on disk 2 of the product media. To read the documentation from the media, follow these steps:

1. Open a web browser window.
2. From the web browser window, open the `/cdrom/cdrom0/image/index.html` file, which is located on disk 2.
3. Follow the appropriate links to access HTML or PDF documentation in your preferred language.

To install the documentation from the media, you have two options:

- Install the documentation during the product installation.

- Use the `pkgadd` command to install the packages that are located in the following directory on disk 2:

```
/cdrom/cdrom0/image/PE/CommonForSolaris/Basic
```

“Preparing Systems for Sun Management Center Upgrade and Installation” Chapter

The title and description for the section “Sun StorEdge™ A500 Patches” in the *Sun Management Center 3.5 Installation and Configuration Guide* are wrong. The correct title is *Sun StorEdge A5x00 Packages* (not Patches).

The following is the correct description for the section *Sun StorEdge A5x00 Packages*:

If you want to use the Sun StorEdge A5x00 module, you must install the `SUNWluxop` and `SUNWluxox` packages on the system where you install the Monitoring and Management of A5x00 and T3 Devices add-on product. If you load the A5x00 module, and the packages are not installed on the system, the Sun Management Center agent cannot run.

To check whether the packages are installed, type the following command:

```
# pkginfo SUNWluxop SUNWluxox
```

If the packages are installed, the following lines are displayed:

```
system SUNWluxop Sun Enterprise Network Array firmware and utilities
system SUNWluxox Sun Enterprise Network Array libraries (64-bit)
```

If you need either package, you can download the package from <http://sunsolve.sun.com>. Make sure that you download the latest revision. Use the `pkgadd(1M)` command to install the packages.

Note – Sun Management Center 3.5 Update 1 requires the latest patch for the `SUNWluxop` package. See “A5x00 Module Does Not Populate Tables With Values (4973319)” on page 46.

“Removing T3 Device Configuration If Present” Section

The title and information in the section, *Removing T3 Device Configuration If Present*, located in the “T3 Storage Devices” in *Sun Management Center 3.5 Installation and Configuration Guide* section has changed. The corrected version is as follows:

Uninstalling T3 Storage Devices

If you are running Sun Management Center 3.5, you must remove the T3 device configuration from Sun Management Center 3.5 if you are going to perform any of the following functions:

- Remove the T3 storage device
- Move the T3 storage device to another machine
- Assign a different IP or Ethernet address to the T3 storage device
- Migrate the Sun Management Center server to a different machine
- Uninstall the Monitoring and Management of A5x00 and T3 Devices add-on product
- Uninstall Sun Management Center 3.5

Note – If you uninstall the Monitoring and Management of A5x00 and T3 Devices add-on product without first removing the T3 device configuration, you can remove the T3 device configuration as described in the following procedure.

The corrected procedure is as follows:

▼ To Remove T3 Device Configuration

1. **Log in as root on the machine where the Monitoring and Management of A5x00 and T3 Devices add-on product is installed.**

2. **Type the following command to stop the Sun Management Center agent.**

```
#/opt/SUNWsymon/es-stop -a
```

3. **Run the `pre-uninstall` script to remove T3 device configuration information.**

a. **Type the command `/opt/SUNWsymon/addons/storage/sbin/pre-uninst.sh`.**

b. **When asked whether you want to stop the T3 from sending syslog messages, type `y`.**

You are then prompted for the root password for the T3 device.

c. **Type the password.**

You are notified that the T3 device has been removed from the T3 module.

4. **Uninstall the add-on product.**

See “To Uninstall Sun Management Center 3.5 Using `es-guiuninst`” in *Sun Management Center 3.5 Installation and Configuration Guide*.

“To Install Sun Management Center 3.5 on the Solaris Platform” Procedure

Step 4 of the “To Install Sun Management Center 3.5 on the Solaris Platform” procedure in the *Sun Management Center 3.5 Installation and Configuration Guide* incorrectly lists the file `/disk1/sbin/INSTALL.README`. The correct file name is `/disk1/sbin/README.INSTALL`.

“Creating Agent Installation and Update Images” Section

The first paragraph of the section, “Creating Agent Installation and Update Images” in *Sun Management Center 3.5 Installation and Configuration Guide* omitted the following information. Agent-update images are supported on systems that have only the Sun Management Center agent component installed. If you try to use agent-update images on systems where you have installed the agent as well as the server or console or all three layers at the same time, the operation fails.

“To Install Sun Management Center 3.5 on the Microsoft Windows” Section

Step 6 of the procedure, “To Install Sun Management Center 3.5 on Microsoft Windows” in *Sun Management Center 3.5 Installation and Configuration Guide* says the default location in which to install Sun Management Center is `C:\ProgramFiles\SunMC`. This path is wrong. The default location is `C:\ProgramFiles\SUNWsymon`.

“Setting Up Users” Section

The current description of the `esadm` security group in the “Setting Up Users” in *Sun Management Center 3.5 Installation and Configuration Guide* section mentions that `esadm` permits members to create top-level domains in a server context and assign privileges for other Sun Management Center users within these domains. The `esadm` security group does not provide the stated privileges: `esadm` users cannot create top-level domains and assign privileges within said domains.

“Reconfiguring Sun Management Center Ports” Section

“es-config Options” table in the “Reconfiguring Sun Management Center Ports” section omitted the following parameter.

Option	Description
-r	Re-seed Sun Management Center components. If the SUNWcry package is installed, you are prompted to enable SNMP encryption (privacy). For more information, see the <i>Sun Management Center 3.5 Update 1 Supplement</i> .

The following information for the -P option is incorrect: The range of ports for the -P option must be at least 100, for example, 1024:1124 where 1024 is the *MinPort* and 1124 is the *MaxPort*. The correct information is as follows: The range of ports must be 20 ports or larger, for example, 1024:1044. The minimum specified ports for -P is 20.

“Using Sun Management Center With a Firewall” Section

Step 3 in the procedure, “To Restrict the Firewall Port Range” in *Sun Management Center 3.5 Installation and Configuration Guide* incorrectly says: “You are asked whether you want to start the Sun Management Center components.” The software does not prompt you to start the Sun Management Center components. These components are started automatically.

Appendix E, Sun Management Center 3.5 Packages

The following localization packages were omitted from the “Sun Management Center 3.5 Packages” section in the *Sun Management Center 3.5 Installation and Configuration Guide*.

TABLE 4-1 Sun Management Center 3.5 Localization Packages

Package Name	Package Description
SunWfresf	Sun Management Center message files for French
SUNWjaesf	Sun Management Center message files for Japanese

TABLE 4-1 Sun Management Center 3.5 Localization Packages *(Continued)*

Package Name	Package Description
SUNwkoesf	Sun Management Center message files for Korean
SUNwcesf	Sun Management Center message files for Simplified Chinese
SUNwhesf	Sun Management Center message files for Traditional Chinese
SUNwfresi	Sun Management Center installation message files for French
SUNwjaesi	Sun Management Center installation message files for Japanese
SUNwkoesi	Sun Management Center installation message files for Korean
SUNwcesi	Sun Management Center installation message files for Simplified Chinese
SUNwhesi	Sun Management Center installation message files for Traditional Chinese
SUNwfresh	Sun Management Center Help for French
SUNwjaesh	Sun Management Center Help for Japanese
SUNwkoesh	Sun Management Center Help for Korean
SUNwcesh	Sun Management Center Help for Simplified Chinese
SUNwhesh	Sun Management Center Help for Traditional Chinese

TABLE 4-2 Sun Management Center 3.5 Advanced System Monitoring Localization Packages

Package Name	Package Description
SUNwfram	Sun Management Center Advance Monitoring Add-On Product – French
SUNwjaam	Sun Management Center Advance Monitoring Add-On Product - Japanese
SUNwkoam	Sun Management Center Advance Monitoring Add-On Product - Korean
SUNwcam	Sun Management Center Advance Monitoring Add-On Product - Simplified Chinese
SUNwham	Sun Management Center Advance Monitoring Add-On Product - Traditional Chinese

TABLE 4-3 Sun Management Center 3.5 TNG integration Localization Packages

Package Name	Package Description
SUNwfrcam	Sun Management Center - TNG integration French message files
SUNwjacam	Sun Management Center - TNG integration Japanese message files
SUNwkocam	Sun Management Center - TNG integration Korean message files
SUNwccam	Sun Management Center - TNG integration Simplified Chinese message files

TABLE 4-3 Sun Management Center 3.5 TNG integration Localization Packages
(Continued)

Package Name	Package Description
SUNWhcam	Sun Management Center - TNG integration Traditional Chinese message files

TABLE 4-4 Sun Management Center 3.5 Tivoli TEC Localization Packages

Package Name	Package Description
SUNWfrtia	Sun Management Center Tivoli TEC - French
SUNWjatia	Sun Management Center Tivoli TEC - Japanese
SUNWkotia	Sun Management Center Tivoli TEC - Korean
SUNWctia	Sun Management Center Tivoli TEC - Simplified Chinese
SUNWhtia	Sun Management Center Tivoli TEC - Traditional Chinese

TABLE 4-5 Sun Management Center 3.5 Storage (A5x00/T3) Module Localization Packages

Package Name	Package Description
SUNWfrstm	Sun Management Center Storage Module - French
SUNWjastm	Sun Management Center Storage Module - Japanese
SUNWkostm	Sun Management Center Storage Module - Korean
SUNWcstm	Sun Management Center Storage Module - Simplified Chinese
SUNWhstm	Sun Management Center Storage Module - Traditional Chinese

“Sun Management Center Security Concepts” Section

The information in the “Domain Admin, Admin, Operator, and General Functions” table in the *Sun Management Center 3.5 User’s Guide* is incorrect. The correct information is that the operator has the right to set the module-active time window and that the Domain Admin has the right to view events.

Sun Fire Link Fabric Administrator's Guide Issues

“Sun Fire Link Administration Overview” Section

The following section, “Guidelines for Configuring Clusters With Sun Fire Link 1.1 Software,” was omitted from Chapter 1, at the end of the section entitled, “Sun Fire Link Administration Overview.” This additional information is important to understand and consider when configuring clusters with Sun Fire Link (SFL) 1.1 software.

Guidelines for Configuring Clusters With Sun Fire Link 1.1 Software

■ **Managing Cluster Configurations**

Use a consistent method for managing cluster configurations. If you use the Sun Management Center 3.5 graphical user interface (GUI) to configure a cluster, you should continue using the GUI for any subsequent changes that you make to the cluster's configuration. Do not use the Fabric Manager command-line interface (CLI) to change the configuration data for a cluster that was created using the GUI.

Likewise, use the Fabric Manager CLI to change the contents of a cluster that was originally configured using the same interface. This consistency ensures that link mapping remains consistent over the life of the cluster.

Note – You can monitor a cluster's state by using either the Sun Management Center 3.5 GUI or the Fabric Manager CLI, regardless of which method was used to configure the cluster.

■ **Using an Extensible Markup Language (XML) File to Apply Multiple Changes to a Fabric Might Result in Out-of-Sync Configuration Data**

If you use an XML file to apply multiple configuration changes to an existing fabric, any error in the XML file causes the reconfiguration to fail. One or more nodes might have data that are out of sync with the new configuration. This failure also happens if a hardware component that is required by the new configuration is faulty at the time the reconfiguration is attempted.

There are two ways to restore configuration consistency on the nodes:

- If there was an error in the XML file, edit the file to correct the error. Reconfigure the fabric using the corrected file. If a hardware component was faulty, replace the component. Reconfigure the fabric using the XML file.

- Remove the section of the XML file that produces the error and reconfigure the fabric using the modified XML file.

In either case, a reconfiguration using a valid XML file and functioning hardware corrects any data inconsistencies that might have been introduced by the previous reconfiguration failure.

- **Mixed Clusters Require That Sun Fire Link 1.1 Software Be Installed on the Fabric Manager Server and on All Nodes**

If you want to configure a cluster that contains a combination of Sun Fire 6800 and Sun Fire High-End systems, you must have Sun Fire Link 1.1 software installed on the FM server, as well as on all nodes in the cluster. Clusters containing both Sun Fire 6800 and Sun Fire High-End nodes were not supported by Sun Fire Link 1.0 software.

Appendix B, “Importing Preconfigured XML Files Using the Manage XML Configurations Option”

The following detailed instructions describe how to import preconfigured XML files using the Manage XML Configurations option. These instructions were omitted from Appendix B.

The Sun Management Center console’s Fabric Details window includes the Manage XML Configurations menu option. You can use this option to open an XML file for editing or to apply any configuration information that the file contains to an unconfigured fabric.

Note – The term *unconfigured fabric* refers to a fabric that has been created and started, but does not yet contain any member data, such as descriptions of compute nodes.

An XML file can be opened for editing without being associated with an unconfigured fabric. However, if the file is used to configure a fabric, that fabric must first be created and started.

The following steps explain how to use the Manage XML Configurations option:

1. Before using the Manage XML Configuration option, you must create and start a fabric using the Fabric Manager (FM) CLI commands, `createfabric` and `startfabric`.

Note – You must be superuser to execute the following FM commands.

```
# cd /opt/SUNWwcfm/bin
# ./createfabric fabric-name
```



```
# ./startfabric fabric-name
```

2. Use the Sun Management Center console to load a FM agent module for the fabric. The “Loading FM Agent Modules” section provides detailed instructions for this step.
3. In the Fabric Details window, press mouse button 3 on the fabric icon. Select the Manage XML Configurations option from the pop-up menu that is displayed, or choose Manage XML Configurations from the Fabric menu.

At this point, the following invalid error message is displayed:

```
Getting FM Info Values
```

This error message can be safely ignored.

4. Press the OK button in the Error dialog window.
The XML Configuration dialog box is now the active window.
5. In the Look In field of the Configuration dialog box, type the full path of the directory that contains the XML configuration file that you want to import. Press Return.
A scrolling list of the files that are contained in the specified directory is displayed.
6. Select the XML configuration file that you want to import.
The name of the file is displayed in the File Name field.

Note – You must press Return in Step 5 and then select the XML file of interest as described in Step 6. Do not bypass these steps and type the file name in the File Name field. The file does not open if you type the file name.

7. Click Open to open the selected file.
The XML configuration file appears in the text area of the window.
8. Choose one of the following options:
 - If you want to edit the XML file, see Appendices B and C of the *Sun Fire Link Fabric Administrator’s Guide* for specific information about XML file configurations and the Document Type Definition (DTD).
 - If you want to apply the XML information to configure a fabric, proceed to the next step.
 - If you want to save your changes as a new XML file, click the Save As button. Provide a new filename.
9. Click Configure to apply the XML file contents to the fabric.

For more information, see “Manage Extensible Markup Language (XML) Configurations Option Produces an Invalid Error Message When Applying an XML File to a New Fabric (4855354)” on page 26.

Sun Fire Link Software Installation Guide Issues

Steps 3a and 3b in “Upgrading From Sun Management Center 3.0, Platform Update 4, to Sun Management Center 3.5”

The following two changes apply to page 7, Steps 3a and 3b:

- Step 3a – The existing sentence should be replaced with the following sentence:
Remove all RSM proxy packages on all nodes:
- Step 3b – The existing information should be replaced with the following information:
Remove all FM packages on the Sun Fire Link Manager server:

```
SFLM-server-name# pkgrm SUNWwcfmu SUNWwcfmr SUNWwcfms WUNWccmn
```

“Upgrading From Sun Management Center 3.0, Platform Update 4, to Sun Management Center 3.5” Section

The instructions on page 5 assume that the Sun Fire Link Manager server and the Sun Management Center server are the same server. The instructions for performing an upgrade on two different servers might vary slightly.

The following main points distinguish the differences between an upgrade on separate Sun Management Center and Sun Fire Link (Fabric Manager) servers, and an upgrade on a combined server for Sun Management Center and Fabric Manager (FM):

- If you have separate Sun Management Center and FM servers, you need to install different Sun Fire Link add-on packages on each server.
- If you have separate Sun Management Center and FM servers, you need to install the Sun Management Center server component on the Sun Management Center server. You also need to install the Sun Management Center agent component on the FM server.

The following instructions and examples describe how to perform an upgrade on two different servers:

1. On the Sun Management Center server, the only optional Sun Fire Link add-on components that you need to install are the Sun Fire Link Server and the Sun Fire Link Console.

EXAMPLE 4-1 Sun Management Center Server Sun Fire Link Add-On Components

Select the products you want to install:

```
...
Sun Fire Link (y|n|q) y
This product has the following optional components:
Sun Fire Link Server
Select for install (y|n|q) y
Sun Fire Link Manager
Select for install (y|n|q) n
Sun Fire Link Switch
Select for install (y|n|q) n
Sun Fire Link Cluster Node
Select for install (y|n|q) n
Sun Fire Link Console
Select for install (y|n|q) y
```

2. On the FM server, the only optional Sun Fire Link add-on components you need to install are the Sun Fire Link Manager and the Sun Fire Link Switch.

EXAMPLE 4-2 Fabric Manager Server Sun Fire Link Add-On Components

Select the products you want to install:

```
...
Sun Fire Link (y|n|q) y
This product has the following optional components:
Sun Fire Link Manager
Select for install (y|n|q) y
Sun Fire Link Switch
Select for install (y|n|q) y
Sun Fire Link Cluster Node
Select for install (y|n|q) n
```

3. On the Sun Management Center server, refer to the following example for the correct responses during installation.

EXAMPLE 4-3 Sun Management Center Server Components

Select the Sun Management Center components to install:

```
3 component(s) are available for your selection:
Do you want to install the Server component (y|n|q) y
Note: The Agent component will be installed automatically.
Do you want to install the Console component (y|n|q) y
```

4. On the FM server, refer to following example for the correct responses during installation.

EXAMPLE 4-4 Fabric Manager Server Components

Select the Sun Management Center components to install:

```
3 component(s) are available for your selection:
Do you want to install the Server component (y|n|q) n
Do you want to install the Agent component (y|n|q) y
Do you want to install the Console component (y|n|q) n
```

“Upgrading From Sun Fire Link 1.0 Software to Sun Fire Link 1.1 Software” Section

Step 2 of the “Upgrading From Sun Fire Link 1.0 Software to Sun Fire Link 1.1 Software” instructions, located on pages 5 and 75 should be replaced with Step 2 and Step 3:

- Step 2 – Remove the Remote Shared Memory (RSM) packages from each cluster node.

```
# pkgrm SUNWrsmpr SUNWrsmpr SUNWwcfms
```

- Step 3 – Remove the Fabric Manager (FM) packages from the FM server.

```
# pkgrm SUNWwcfmu SUNWwcfmr SUNWwcfms SUNWwccmn
```

Table 3–1, “Installation Location”

Entries that are included under the heading, “Installation Location,” in Table 3–1, located on pages 32–33 are inaccurate. The following revised information should be included under this heading:

- The Sun Fire Link Manager server is the same as the FM Host.
- The package SUNWwcfms also resides on the RSM domains. This package is not needed on the Sun Management Center server.
- The packages SUNWwcfmr and SUNWwcfmu reside on the Sun Fire Link Manager server (FM Host). These packages are not needed on the Sun Management Center server.

“Setting Up the Sun Fire Link Add-On Software Using the Sun Management Center 3.5 Setup Wizard” Section

The following replaces the current information on page 36, “Setting Up the Sun Fire Link Add-On Software Using the Sun Management Center 3.5 Setup Wizard”

- Sun Fire Link Manager (Fabric Manager)

- Sun Fire Link Cluster Node
- Sun Fire Link Console
- Sun Fire Link Switch, FM, and RSM Agents
- Sun Fire Link Server

Generally, you would not be setting up all the components at once.

“Install, Set Up, and Uninstall Sun Management Center 3.5 Software Using the CLI” Section

The following replaces the current information on page 74, “Install, Set Up, and Uninstall Sun Management Center 3.5 Software Using the CLI.”

These add-on components need to be installed on various systems:

- Sun Fire Link Manager (Fabric Manager)
- Sun Fire Link Cluster Node
- Sun Fire Link Console
- Sun Fire Link Switch, FM, and RSM Agents
- Sun Fire Link Server

The Sun Fire Link Manager (Fabric Manager), Sun Fire Link Console, and Sun Fire Link Server roles might be filled by the same system or by two or three different systems.

“Creating an Agent Update Image for Sun Fire Link” Section

The second paragraph on page 62 of the section “Creating an Agent Update Image for Sun Fire Link” contains inaccurate information about the Sun Management Center 3.5 limitation.

The Sun Management Center 3.5 limitation no longer applies. All component setup questions are *not* asked when you select a single component.

Sun Management Center 3.5 System Reliability Manager User's Guide Issue

The following information was omitted from the "Script Repository and Script Launcher Modules" chapter in the *Sun Management Center 3.5 System Reliability Manager User's Guide*. The procedure "To Access the Script Launcher Module" in *Sun Management Center 3.5 System Reliability Manager User's Guide* omitted that you must load the Script Repository Module before using the Script Launcher Module.

Sun Management Center 3.5 Supplement for the Sun StorEdge A5x00 and T3 Arrays Issue

Table 1-42, "Sun StorEdge T3 Module – Rules" omitted the following rules.

Rule	Description
rple400	FRU/disk – Use fruState and fruStatus to decide whether the disk is normal.
rple401	FRU/controller – Use fruState and fruStatus to decide whether the controller is normal.
rple402	FRU/loop-card – Use fruState and fruStatus to decide whether the loop-card is normal.
rple403	FRU/power cooling unit – Use fruState and fruStatus to decide whether the power-cooling-unit is normal.
rple404	System/basic-table/basic-entry/sysStatus rule – If sysStatus is not equal to OK, something is wrong with the T3 array.

Sun Management Center Hardware Diagnostic Suite 2.0 User's Guide Issues

Page 81

Page 81 incorrectly describes the Start Time field of the test schedule form as running on a 12-hour clock format, with a.m. and p.m. designations. This field is actually expressed in a 24-hour clock format.

Package Name for English-Language Help File

Chapter 1 incorrectly lists the package name for the English-language help file as SUNWedh. The correct package name is SUNWenedh.

The following list shows the help files and properties files for each locale:

- English: SUNWenedh, SUNWenedp
- Simplified Chinese: SUNWcedh, SUNWhedp
- Traditional Chinese: SUNWhedh, SUNWhedp
- French: SUNWfredh, SUNWfredp
- Japanese: SUNWjaedh, SUNWjaedp
- Korean: SUNWkoedh, SUNWkoedp

Sun Management Center 3.5 Supplement for VSP High End Entry Servers (Workgroup Servers) Issue

Page 11 inaccurately refers to information in the *Sun Management Center 3.5 Installation and Configuration Guide* about installing the new localization packages.

The *Sun Management Center 3.5 Installation and Configuration Guide* does not contain information about installing new localization packages. The following revised text provides the appropriate information:

During installation, you are given the option to select additional languages for online help and support files.

Sun Management Center 3.5 Supplement for Workstations Issue

Page 8 inaccurately refers to information in the *Sun Management Center 3.5 Installation and Configuration Guide* about installing the new localization packages.

The *Sun Management Center 3.5 Installation and Configuration Guide* does not contain information about installing new localization packages. The following revised text provides the appropriate information:

During installation, you are given the option to select additional languages for online help and support files.

French, Japanese, Korean, Simplified Chinese, and Traditional Chinese Supplemental Documentation Issue

The following French (FR), Japanese (JA), Korean (KO), Simplified Chinese (ZH) and Traditional Chinese (ZH_ZW) supplemental documentation for Sun Management Center 3.5 is provided in PDF only:

- *Sun Management Center 3.5 Supplement for Netra Servers*
- *Sun Fire Link Software Installation Guide* (for Sun Management Center 3.5)
- *Sun Management Center 3.5 Supplement for VSP High-End Entry Servers (Workgroup Servers)*
- *Sun Management Center 3.5 Supplement for Workstations*
- *Sun Management Center 3.5 Supplement for Sun Fire 15K/12K Systems*
- *Sun Management Center 3.5 Supplement for Starfire Servers*
- *Sun Management Center 3.5 Version 3 Supplement for Sun Fire Midrange Systems*
- *Sun Management Center 3.5 Supplement for Sun Fire Midrange Systems*

Sun Management Center 3.5 Supplement for Netra Servers, Japanese Version, Issue

Chapter 1 omitted the following localization packages.

TABLE 4-6 Summary of Localization Package Deployment

Language	Packages
French	SUNWfesna
	SUNWfesni
	SUNWfesns
Japanese	SUNWjesna
	SUNWjesni
	SUNWjesns
Korean	SUNWkesna
	SUNWkesni
	SUNWkesns
Simplified Chinese	SUNWcesna
	SUNWcesni
	SUNWcesns
Traditional Chinese	SUNWhesna
	SUNWhesni
	SUNWhesns

Note – Do not use the `pkgadd` command to install these packages. Instead, use the installation scripts, as described in Chapter 3 of the *Sun Management Center 3.5 Supplement for Netra Servers*.

Sun Management Center 3.5 Version 2 Supplement for Sun Fire 15K/12K Systems Issue

The note before the section title on page 32, "Uninstalling Software Using the CLI," erroneously states that you need to rerun the `./es-setup -F` command to set up the platform agent. You do not need to perform this step.

Issue Affecting Sun Fire Link Software Installation Guide, Sun Management Center 3.5 Supplement for Starfire Servers, and Sun Management Center 3.5 Supplement for Sun Enterprise 6500/5500/4500/3500 Systems

The section "Uninstalling Sun Management Center 3.5 Software" in these manuals has errors and omissions.

Both the Sun Management Center 3.5 GUI Uninstall Wizard, `es-guiuninst`, and the CLI uninstall script, `es-uninst`, allow you to uninstall the following software:

- All the Sun Management Center software
- Individual add-on software components

All references to uninstalling *add-on modules* in the "Uninstalling Sun Management Center 3.5 Software" section of the following add-on supplements should be replaced with the words, "add-on products."

- *Sun Fire Link Software Installation Guide*
- *Sun Management 3.5 Supplement for Sun Fire 15K/12K Systems*
- *Sun Management Center 3.5 Supplement for Starfire Servers*
- *Sun Management Center 3.5 Supplement for Sun Enterprise 6500/5500/4500/3500 Servers*

You can uninstall each separate add-on product, such as Sun Fire Link. However, you cannot uninstall the individual modules that comprise the add-on product, such as the Sun Fire Link FM Agent Module or the Sun Fire Link Switch Agent Module.

For detailed instructions and options for using the GUI Uninstall Wizard, `es-guiuninst`, see Appendix A, “Uninstalling Sun Management Center 3.5” on page 191, in the *Sun Management Center 3.5 Installation and Configuration Guide*. For detailed instructions and options for using the CLI uninstall script, `es-uninst`, see Appendix B, on page 195, in the *Sun Management Center 3.5 Installation and Configuration Guide*.

Sun Management Center 3.5 for Sun Fire, Sun Blade and Netra Systems Release Notes Issue

This document is not available in HTML and is not installed as part of the Sun Management Center documentation packages. *Sun Management Center 3.5 for Sun Fire, Sun Blade and Netra Systems Release Notes* is available in PDF on the Sun Management Center 3.5 Update 1 Software CD 2 of 2 in the directory `disk2/image/` as `sunfire-sunblade-netra_notes.pdf`.

