Sun Management Center 3.6.1 Release Notes

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Contents

Preface

This document contains installation issues, runtime issues, late-breaking news, and documentation issues for Sun™ Management Center 3.6.1 software and its add-on products.

The documentation for Sun Management Center 3.6.1 is not available on the software CD. The English documents and localized documents are available at `http://docs.sun.com`.

Who Should Use This Book

These notes are for users and system administrators who install and use the Sun Management Center 3.6.1 software and its add-on products.

Related Books

The Sun Management Center 3.6.1 documentation collection includes the following core or add-on books.

The core books include the following:

- *Sun Management Center 3.6.1 Release Notes* (this book)
- *Sun Management Center 3.6.1 Installation and Configuration Guide*
- *Sun Management Center 3.6.1 User's Guide*
- *Sun Management Center 3.6.1 Developer Environment Reference Manual*
- *Quickstart: Installing and Setting Up Sun Management Center 3.6.1*
  This book is a subset of the *Sun Management Center 3.6.1 Installation and Configuration Guide.*

The add-on books include the following:

- *Sun Management Center 3.6 System Reliability Manager User's Guide*
- *Sun Management Center 3.6.1 Performance Reporting Manager User's Guide*
- *Sun Management Center 3.5 Service Availability Manager User's Guide*
- *Quickstart: Installing and Setting Up Solaris Container Manager 3.6 With Sun Management Center*
- *Installing and Administering Solaris Container Manager 3.6.1*

- *Sun Management Center Hardware Diagnostic Suite 2.0 User's Guide*
- *Sun Management Center 3.6 Supplement for the Sun Fire, Sun Blade and Netra Systems*
- *Sun Management Center 3.5 Version 6 Release Notes for Sun Fire High-End Systems*
- *Sun Management Center 3.5 Version 6 Supplement for Sun Fire High-End Systems*
- *Sun Management Center 3.5 Version 6 Release Notes for Sun Fire Midrange Systems*
- *Sun Management Center 3.5 Version 6 Supplement for Sun Fire Midrange Systems*
- *Sun Management Center 3.5 Version 6 Release Notes for Sun Fire Entry-Level Midrange Systems*
- *Sun Management Center 3.5 Version 6 Supplement for Sun Fire Entry-Level Midrange Systems*
- *Sun Management Center 3.5 Supplement for Netra Servers*
- *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 3.6 Version 2 Add-On Software Release Notes for Sun Fire, Sun Blade and Netra Systems*
- *Sun Management Center 3.6 Version 2 Add-On Software Release Notes: Addendum for the Sun Fire T1000 Servers*

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 product includes open source software. To view license terms, attribution, and copyright statements for open source software included in this release, see the copyright file available in the media.

Documentation, Support, and Training

The Sun web site provides information about the following additional resources:

- Documentation (`http://www.sun.com/documentation/`)
- Support (`http://www.sun.com/support/`)
- Training (`http://www.sun.com/training/`)

Typographic Conventions

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

TABLE P–1 Typographic Conventions

Typeface	Meaning	Example
AaBbCc123	The names of commands, files, and directories, and onscreen computer output	Edit your `.login` file. Use `ls -a` to list all files. `machine_name% you have mail.`
AaBbCc123	What you type, contrasted with onscreen computer output	`machine_name%` **su** `Password:`
aabbcc123	Placeholder: replace with a real name or value	The command to remove a file is `rm` *filename*.
AaBbCc123	Book titles, new terms, and terms to be emphasized	Read Chapter 6 in the *User's Guide*. A *cache* is a copy that is stored locally. Do *not* save the file. **Note:** Some emphasized items appear bold online.

Shell Prompts in Command Examples

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

TABLE P–2 Shell Prompts

Shell	Prompt
C shell	`machine_name%`
C shell for superuser	`machine_name#`
Bourne shell and Korn shell	`$`
Bourne shell and Korn shell for superuser	`#`

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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 SunSolve[SM] web site at http://sunsolve.sun.com.

Installation Bugs

Start Script Might Display Error Messages (4851517)

Start script might display error messages like `Could not start Grouping service` or `Could not start Platform Agent`.

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

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 -ef | grep esd
```

Note – (On Solaris 10) The command would be /usr/bin/ps -fz global | grep esd on a global zone and /usr/bin/ps -fe | grep esd on a non-global zone.

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

```
/usr/ucb/ps –wwxa | grep SunMCService
```

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.

GUI-Based Incremental Installation Is Not Possible on Linux (6410179)

Workaround: Use CLI to perform incremental installation on Linux.

Uninstallation Hangs While Trying to Uninstall Agent and Base Add-ons Together in Solaris10 Update2 System

Workaround: Unload the Fault Manager Plug-in manually using the `fmadm` command before uninstalling the agent. The steps are as follows:

1. Unload the `libfmalm` module by typing `fmadm unload libfmalm`.
2. Uninstall the agent by typing `es-uninst -X`.

Installation Information That Applies to the Add-On Software for Sun Fire Entry-Level Midrange Systems

Installing Sun Management Center 3.6 Version 3 Add-On Software for Sun Fire Entry-Level Midrange Systems: Required for Netra 1290 Systems

If you are installing the add-on software for Sun Fire entry-level midrange systems, release 3.6 Version 3 is strongly *recommended*.

Note – For support of Netra 1290 systems, release 3.6 Version 3 is *required*. Even if you have previously installed the release 3.6 Version 3 add-on software, you must install it again after installing the core 3.6.1 software.

▼ To Install Sun Management Center 3.6 Version 3 Add-On Software

1 When installing the Sun Management Center 3.6.1 software, do not install the Sun Fire Entry-Level System product.

2 After you have installed the Sun Management Center 3.6.1 software, obtain the Sun Management Center 3.6 Version 3 add-on software.

The add-on software packages are supplied in a zip file on the software download site at http://wwws.sun.com/software/download/index.html

If you do not see the listing for Sun Management Center 3.6 Version 3 under New Downloads, use the A-Z Index of All Products to find the software.

Refer to the *Sun Management Center 3.6 Version 3 Add-On Software Release Notes for Sun Fire Entry-Level Midrange Systems* for information about installing this release.

The release notes document is available at `http://docs.sun.com/`

Follow the instructions in the section "Updating From Sun Management Center 3.6 Software," replacing references to the core Sun Management Center 3.6 software with "3.6.1."

Localization Bugs That Occur During Installation

Advanced System Monitoring (ASM) Setup Messages Are Not Localized (6387101)

One of the localized packages of ASM (`SUNW*am`) is not installed on the server layer. Hence, you will see the setup messages only in English language.

String messages are displayed in English language in localized versions. The messages affected are in File Scanning, Fault Manager, HP JetDirect, IPv6 Instrumentation, LogView ACL, Print Spooler, Health Monitor, MIB-II Instrumentation, Service Management Facility, NFS File Systems, NFS Statistics, Process Monitoring, Kernel Reader, Solaris Process Details, Directory Resize Monitoring modules, and View Logs tab on the Java Console.

Workaround: Follow these steps:

1. Become superuser by typing:

   `# su -`

2. Change to the required directory.

   `cd <imagedir>/disk2/image/SunOS/<arch>/Addons/AdvancedMonitoring/Common/Basic`

3. Add the `SUNW*am` package manually.

   `# pkgadd -d <packagename>`

   Packages for localized versions are SUNWfram (French), SUNWjaam (Japanese), SUNWkoam (Korean), SUNWcam (Simplified Chinese), and SUNWham (Traditional Chinese).

Note – When you uninstall ASM, you need to remove these packages manually by executing the `pkgrm` command.

Software License Agreement and Supplemental Terms and Conditions for Some Asian Locales Are in English Language (4874523)

During installation, the Software License Agreement (SLA) and Supplemental Terms and Conditions for the following Asian locales are in English language:

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 SLA files and are in the appropriate languages.

Language	Locale
Japanese	ja, ja_JP.PCK, ja_JP.EUC
Simplified Chinese	zh, zh_CN.EUC
Traditional Chinese	zh_TW, zh_TW.BIG5,
	zh_TW.EUC
Korean	ko, ko_KR.EUC

To read the SLAs in all supported languages, refer to the printed license that is included in the Sun Management Center 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.

Localization Information That Pertains to Sun Management Center 3.6.1 Add-On Products

Supported Languages and Locales for Sun Management Center 3.6.1 Add-On Products

The supported languages and locales for the following Sun Management Center 3.6.1 add-on software products are listed in Table 1–1:

- Sun Fire™ high-end systems
- Sun Fire midrange systems
- Sun Fire entry-level Midrange systems
- 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 3.6.1 Add-On Products

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

Bug That Apply to Solaris Container Manager

Installing Sun Web Console 2.2.3 Software

The Sun Web Console 2.2.3 software must be installed before installing Sun Management Center 3.6.1. The Sun Management Center graphical user interface (GUI) is browser based. To use the GUI, you must install the Sun Web Console 2.2.3 software on the Sun Management Center server layer. The Sun Web Console 2.2.3 software is included on the Sun Management Center 3.6.1 media and must be installed if you are running either the Solaris 8 or 9 Operating System.

By installing Sun Web Console 2.2.3 before installing Sun Management Center or Sun Management Center, you ensure the following:

- You have the correct version of the Tomcat server, 4.0.5.
- You have the correct version of the Java™ 2 Platform, Standard Edition (J2SE™ platform), 1.4.2 at minimum.

If an earlier version of the Tomcat server is currently installed, you need first to remove the corresponding software package.

The Sun Web Console software depends on, at minimum J2SE 1.4.2 software, which is included. If you have an older version of J2SE, the installation script prompts you to update the J2SE software.

Note – If you have a beta version of Sun Web Console 2.2.3 already installed, you must uninstall Sun Web Console 2.2.3 first. For more information, see "To Uninstall Sun Web Console" on page 18.

▼ To Install Sun Web Console From the Media

Note – You must install the Sun Web Console software only in the default location.

1   Become superuser by typing:

```
% su -
```

2   If you have the Tomcat server already installed, check the version by typing:

```
# pkginfo -l SUNWtcatu
```

The version that is included with the Sun Web Console software is identified as 11.9.0,REV=2002.03.02.00.35.

3   If your version starts with 11.8.0 or lower, remove the Tomcat server by typing:

```
# pkgrm SUNWtcatu
```

The correct version is later installed as part of this procedure.

4   Insert the Sun Management Center 3.6.1 Media

5   Change directories to where the Sun Web Console software is located by typing:

```
# cd <DiskMountDir>/image/SunOS/sparc/Lockhart2.2.3/sparc
```

6   Set the JAVA_HOME variable. For example, in the C shell, type:

```
# setenv JAVA_HOME /usr/j2se/bin
```

7   Install the software by typing:

```
# ./setup
```

- If the system has J2SE version 1.4.2 software installed, the installer automatically installs the Sun Web Console software. Wait until the installation is completed.

- If the system has a J2SE version lower than 1.4.2 installed, J2SE version 1.4.2 software is automatically installed along with the Sun Web Console software. Wait until the installation is completed.

8 At the end of installation, the following message is displayed:

```
Installation complete.
Server not started! No management applications registered
```

This is a valid message.

9 Enable the automatic startup of Sun Web Console at reboot by typing:

 # /usr/sbin/smcwebserver enable

10 Continue with the installation of the Sun Management Center 3.6.1 software.

For more information, see the following:

- *Sun Management Center 3.6.1 Installation and Configuration Guide*

▼ To Start Sun Web Console

After installation of all software is complete, you must start the Sun Web Console *before* you can use the Sun Management Center GUI.

1 Start a browser.

2 Go to the Sun Web Console https://*host_machine_name*:6789

The Sun Web Console login page appears.

▼ To Uninstall Sun Web Console

If you have an earlier version of Sun Web Console software on your system, you must uninstall Sun Web Console before installing the 2.2.3 version. If you want to remove the Sun Web Console software after removing the Sun Management Center from your system, you can also use this procedure.

Note – Ensure that you are not in the /usr/lib/webconsole directory or its subdirectories when you run setup -u, or pkgrm fails.

---

1 Become superuser by typing:

% **su -**

2 To remove the Sun Web Console software package, as superuser (su -) start the removal script by typing:

 # /usr/lib/webconsole/setup -u

3 **When the script has finished, you are prompted to remove the Tomcat server and Java 1.4.2 software. To keep this software, answer "No" to the following questions:**

```
If you have other work that requires use of the
Tomcat Servlet/JSP Container software, you may wish to
not delete it from your machine.

Do you want to delete it? [n]? n

If you have other work that requires use of the
Java 1.4.2 software, you may wish to not delete it
from your machine.

Do you want to delete it? [n]? n
```

2

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 SunSolve℠ web site at http://sunsolve.sun.com.

Sun Management Center Bugs

During Reconfiguration, `es-guisetup` Does Not Update the SNMP Port of the Agent (6372597)

Workaround: Use the es-config command to change the SNMP port of the agent.

Help Button in Java Console Points to Sun Management Center 3.6 Document Collection (6413942)

When you click the Help button in the Java console, it points to Sun Management Center 3.6 Document Collection instead of Sun Management Center 3.6.1 Document Collection.

Workaround: For Java Console help, edit the sunmc.docs.path entry in the /var/opt/SUNWsymon/cfg/javaconsole.properties file as follows:

```
sunmc.docs.path=docs.sun.com/app/docs/coll/810.8?
```

For Web Console help, edit the sunmc.docs.path entry in the /opt/SUNWsymon/web/console/smwebconf/smwebconf.properties file as follows:

```
sunmc.docs.path=docs.sun.com/app/docs/coll/810.8?
```

In Netra 1290 Systems, Hardware Summary Table Is Not Present After Unconfiguring or Configuring a Disk (6395211)

Workaround: Close the Host Details window and open it. The Hardware Summary table will be displayed.

Physical View of System Is Set to Front View Irrespective of Current View (6396604)

In the Hardware tab of the Details window, the physical view of system is set to the front view irrespective of the current view. Also, the history shows only the front view.

Workaround: None.

After Agent Upgrade, Agent Values Are Not Updated Automatically for x86 & Linux Hosts (6410213)

When a Solaris x86 or Linux agent is upgraded either through the CLI/GUI installer or through Agent Update, the updated information is not automatically reflected in the topology.

Workaround: After the agent upgrade, modify the topology object manually.

Image Creation for SPARC Systems Is Allowing X86/X64 Config Reader Add-on (6410846)

On Solaris SPARC systems, Agent Update allows you to create an image that contains the X86/X64 Config Reader add-on. However, this add-on will not be installed on Solaris SPARC systems.

Workaround: While creating images for Solaris SPARC systems, select only the add-ons that are applicable.

Sun Management Center Services Cause `cryptosvc` Service to Log Errors During Boot or Reboot of the System (6334872)

When Sun Management Center services attempt to start after rebooting the system, they step onto `cryptosvc` service and `kcfd` daemon causing them to log errors in `/var/adm/messages`.

The following error messages might be displayed:

```
Oct  3 18:16:09 atqa32 lomv: 10/3/2005 23:16:9 GMT LOM time reference

Oct  3 18:16:13 atqa32 kcfd[106]: kcfd: elfsign_hash_mem_resident failed
to hash for /usr/lib/security/pkcs11_softtoken.so: sign or verify of ELF
object failed

Oct  3 18:16:13 atqa32 kcfd[106]: kcfd: elfsign_hash_mem_resident failed
to hash for /usr/lib/security/pkcs11_softtoken.so: sign or verify of ELF
object failed

Oct  3 18:16:13 atqa32 esd[1949]: libpkcs11:
/usr/lib/security/pkcs11_softtoken.so signature verification failed. See
cryptoadm(1M). Skipping this plug-in.

Oct  3 18:16:13 atqa32 esd[1949]: libpkcs11:
/usr/lib/security/pkcs11_softtoken.so signature verification failed. See
cryptoadm(1M). Skipping this plug-in.

Oct  3 18:16:13 atqa32 cfgserver[1949]: syslog   Oct 03 18:16:13
cfgserver    Unable to get pkcs session. Can not initialize snmp engine

Oct  3 18:16:13 atqa32 cfgserver[1949]: syslog   Oct 03 18:16:13
cfgserver    *** terminating execution ***
```

Workaround: Before rebooting the system, stop all Sun Management Center services using es-stop
-A. When the system reboots, all services will start without errors.

(Solaris 10) Sun Management Center Services Are Stopped During Boot (6336538)

On Solaris 10 systems, Sun Management Center agent services are stopped during boot.

The following error messages might be displayed:

```
Oct 12 09:19:59 atqa33 metadata[6245]: [ID 985908 daemon.alert] syslog

Oct 12 09:19:59 metadata       {received software termination signal}

Oct 12 09:19:59 atqa33 metadata[6245]: [ID 122441 daemon.alert] syslog

Oct 12 09:19:59 metadata       *** terminating execution ***

Oct 12 09:19:59 atqa33 event[27957]: [ID 652029 daemon.alert] syslog

Oct 12 09:19:59 event          {received software termination signal}
```

```
Oct 12 09:19:59 atqa33 event[27957]: [ID 721961 daemon.alert] syslog

Oct 12 09:19:59 event         *** terminating execution ***

Oct 12 09:19:59 atqa33 agent[28990]: [ID 651061 daemon.alert] syslog

Oct 12 09:19:59 agent         {received software termination signal}

Oct 12 09:19:59 atqa33 agent[28990]: [ID 891934 daemon.alert] syslog

Oct 12 09:19:59 agent         *** terminating execution ***
```

Workaround: Before rebooting the system, stop the services using es-stop -A. In this case, error messages are not logged into the syslog file.

Duplicate Entries in Sun Management Center Database (5051992)

Sun Management Center database can contain duplicate entries of hosts when one of the following scenarios occurs:

- The IP address is changed after installation.
- The host name is changed after installation.
- The host name has multiple host aliases.

Workaround:

Follow these recommendations to avoid duplicate entries:

- Do not use composite objects.

- Do not use the subnet or IP address range discovery.

- Ensure that the host name is available in the /var/opt/SUNWsymon/cfg/domain-config.x file on the agent machine before adding it to the topology.

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 is not 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 Console Login Screen Does Not Accept Keyboard Input on Linux Machine With JDK 1.5 (6294368)

Workaround 1: Follow these steps:

1. Minimize the login screen and restore.
2. Type the input in the field that has the active cursor.
3. Position the cursor in the next field.
4. Minimize the login screen and restore.
5. Type the input in that field.

Workaround 2: Use JDK 1.4 or compatible versions.

MCP Does Not Work With Zone Agents (6342054)

When a zone agent is used as the base agent, Module Configuration Propagation (MCP) does not work with zone agents. Propagating the configuration data from MCP to a zone agent also fails.

The following error messages are logged in taskreq.log when MCP propagation with zone agent as base fails.

```
Http error : HTTP/1.1 404 File not found:
/var/opt/SUNWsymon/mcp/procmon-zoneagentbase/index.xml
```

The following error messages are logged in taskreq.log when MCP propagation to zone agent fails.

```
Operation mcp has failed on target:hostname:1161 Exception was thrown:
/usr/bin/nawk:
can't open file /var/opt/SUNWsymon/cfg/base-modules-d.dat.MCP
```

Workaround: Edit the /var/opt/SUNWsymon/zone-scripts-d.dat file of zone agent to include es-mcp-get and es-mcp-put script names.

MCP Does Not Propagate all the Module Parameters to the Agent on a Whole Root Zone (6420023)

Workaround: None.

When Filter Criteria Exclude Single or Multiple OS, Sun Management Center Discovers Those OS Machines (6403422)

Workaround: None.

Sun Management Center Does Not Discover Hosts When Filter Criteria Are of Platform Types With Given IP Address Range (6341225)

Run a Discovery request by specifying an IP range and selecting specific platform types. The request does not discover an object(s) if *ALL* the following conditions are true.

1. Default port option is selected in the Discover request.
2. Additional port to search on is also specified.
3. Both the default and additional ports are occupied on the host(s) being searched.

Workaround: Create separate Discover requests for Default port and additional port, if you want check both default port and an additional port on the objects being discovered.

Platform Type List in the Filter Criteria Contains Wrong Entries for Zone and x86-generic-pc (6419443)

Workaround: None.

Java Exceptions Are Thrown in Manage Jobs Dialog (6346065)

Workaround: Task creation may fail when CST service is running. Use `es-stop -x` to stop CST service.

probeServer Does Not Return All Messages Written to `stdout` After it Finishes an adhoccommand on ppc (6415353)

Workaround: Put sleep of two to three seconds in the called script.

Localization Bugs

`Help` **Command in CLI Shows Incorrect Product Version (6408902)**

The *about* and *legal* parameters of the `help` command in the command-line interface show the incorrect version of the product.

Workaround: None.

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.

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_CH.GBK` and `zh_CN.BG18030`, 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

Volume System Monitoring (VSM) Bugs

Spaces in the OS Version are Misrepresented in the Rules Window (6344665)

If the OS version in the OS table includes a space, this space is misrepresented in the Rules window.

Workaround: Use ASCII characters to define OS version.

Web Console Throws Apache Server Error for OS Object Table (6330990)

If the OS objects are *not* initialized, the web console displays the error page.

Workaround: Use Java Console to display the data.

Container Names Having Multibyte Strings are Misrepresented in the Console (6343127)

Assume that multibyte strings are used in container names that are created using the Sun N1™ System Manager (N1SM) GUI. In this case, the container names are misrepresented in the Sun Management Center Console at the following places in the Host Details window:

1. Module Browser tab → Hardware → VSM module → VSM object → Container object → Container Name in the Containers Table

2. Module Manager tab → VSM module → Rules → Attribute Name list

Workaround: Sun Management Center does not support multibyte strings in data fields. Hence, use ASCII characters for container names to integrate Sun Management Center with N1SM.

Hardware Diagnostic Suite Software Bugs

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 noncritical 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 -ef | grep HWDS
```

Workaround: Ignore this error message. The Hardware Diagnostic Suite starts correctly.

Hardware Diagnostic Suite Runs Improperly Inside a Local Zone (6337001)

Hardware Diagnostic suite is expected to run only inside a global zone. Due to a bug in the setup scripts of Sun Management Center, Hardware Diagnostic Suite runs improperly inside a local zone.

Workaround: Do not run the Hardware Diagnostic Suite inside a local zone.

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 simultaneously, 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 simultaneously. 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 simultaneously.

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:nnn
```

The bug might cause the Service Element for IMAP4 and Synthetic Transaction for IMAP4 modules to fail on x86 systems.

Workaround: Ensure 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.

Solaris Container Manager Bugs

CLI Installation of Sun Management Center Is Not Translated

If you use the command line interface (CLI) version of the Sun Management Center installation, it is only available in English language. This version is not translated. The English language aspect does not affect the installation process or functionality.

Workaround: To perform the installation in your locale, use the GUI installation (`es-guiinst`) and setup (`es-guisetup`).

Utilization Graph Image Titles and Headings Appear in English Language

If you choose a locale other than English, the title and headings of the Utilization Graph image appear in English language. These values are not localized.

SPARC: Extended Accounting Feature Is Disabled in Solaris 8 Release

The Extended Accounting feature is disabled in Container Manager on systems that run the Solaris 8 OS. As a result, the Extended Accounting Data (Exacct) column of the CSV file for a container on a Solaris 8 system will be null.

Some Projects in the `/etc/project` Database Might Not Be Discovered by Container Manager

If a project in an agent host's `/etc/project` database has the same project ID as a project in the Sun Management Center database but has a different project name, then the project will not be discovered by Container Manager. A unique project ID across all hosts in the same server context is a Container Manager requirement.

You should not use the `projadd` command to create projects. Use only Container Manager to manage projects.

Workaround: Delete the nondefault project that was created by the `projadd` command from the agent host's `/etc/project` database and create the container by using the New Container wizard in Container Manager.

Security Privilege Error Messages Are Incomplete

Error messages displayed during failure of creation, modification, or deletion of Zone, Pool, or Project are incomplete and do not provide enough details. Following are the error messages you might encounter:

- Cannot create the resource pool
- Cannot create the zone
- Cannot update the project, zone, or pool
- Cannot activate the container for valid user
- Cannot associate the container to the host

Workaround: If you encounter any of the previous errors, refer to the profile recommendations that follow. Before this, ensure that the user is a valid Sun Management Center user and has the necessary administration privileges (part of esadm, esdomadm groups).

Ensure that the user is associated with the necessary profiles by running the following command:

$ **profiles** *<username>*

Following are the necessary profiles:

- On Solaris 10 - Zone Management, Pool Management, Project Management
- On Solaris 9 - Pool Management, Project Management
- On Solaris 8 - Pool Management, Project Management

If you find the necessary profiles missing, run the following command (as the superuser) and modify the profiles associated with a user:

usermod -P "*<comma separated list of necessary profiles>***"** *<username>*

If any profile does not exist on the system, add the missing entries in the following format to the prof_attr file in the /etc/security directory.

```
Pool Management:::Resource pool management profile:help=RtPoolMgmt.html

Project Management:::Manage Solaris
projects:auths=solaris.project.read,solaris.project.write;
help=RtProjManagement.html
```

Run the following command to find if the user is a part of the local access user list for the SCM module.

*<BASEDIR>***/SUNWsymon/sbin/es-config -M scm-container -s**

If user is not part of the access list, run the following command:

*<BASEDIR>***/SUNWsymon/sbin/es-config -M scm-container -l** *<user_name>*

Agent Performance Becomes Degraded or Unresponsive (6247892)

An agent has crashed leaving `scm-container*` files in the `/var/opt/SUNWsymon/cfg/` directory. When the agent restarts, it might not perform in an optimal manner. This condition might identify itself by the following error message:

```
Insufficient security privilege to complete the operation.
```

You can determine the state of the processes on the agent by typing the following command:

% **ps -eaf | grep esd**

Workaround: To improve performance, type the following commands:

1. Become superuser.

   % **su -**

2. Stop the agent.

   # **/opt/SUNWsymon/sbin es-stop -a**

3. Delete the state files.

   # **rm /var/opt/SUNWsymon/cfg/scm-container***

4. Restart the agent.

   #**/opt/SUNWsymon/sbin/es-start -a**

Java Web Console Does Not Restart After Reboot (6252233)

Following a server reboot, the Java Web Console does not start automatically.

To start the Java Web Console, type the following commands:

1. Become superuser.

   % **su -**

   Type root password.

2. Restart the Java Web Console.

   # **/usr/sbin/smcwebserver restart**

3. Ensure that Java Web Console restarts in the future.

   # **/usr/sbin/smcwebserver enable**

Workaround: None.

Zone Creation Fails When Invalid Locale Is Selected (6259233)

If an invalid locale is selected from the Locale drop-down menu in the New Zone wizard, zone creation fails. The Locale drop-down menu might contain invalid locale values.

To determine valid locales, go to "Supported Locales" in *International Language Environments Guide*.

Workaround: Choose a valid locale from the Locale drop-down menu in the New Zone wizard. If you are unsure of a locale value, select C for the English locale.

Tool Tip Displayed Instead of Alarm Badge (6219617)

If an alarm condition exists, the tool tip of the alarm badge might appear instead of the alarm badge itself.

If you navigate to another pane, then return to the alarmed object's icon, the badge on the icon is correctly displayed.

Workaround: None.

Exception Might Occur When Clicking the Browser Back Button (6241424)

When you click the browser back button, Container Manager might throw an exception. The browser back button is not supported in this release.

To recover from this exception, go to https://*server_name*:6789/containers and navigate to the appropriate page.

Workaround: None.

Some Processes Owned by User nobody Are Not Moved to a Container (5011290)

On the Solaris 9 Operating System, some processes, for example, the Java™ application run by user nobody, are not moved to a container because of a bug in the newtask command.

Workaround: Start the applications that are run by user nobody in the appropriate container by using the newtask command.

```
# /usr/bin/newtask -p projectname command
```

projectname is the project in which the application is to be started and *command* is the command to start the application.

For more information, see the newtask(1) man page.

Using nscd as a Match Expression Causes Host to Hang (4975191)

If you use one of the following match expressions when creating a container definition and subsequently activate it, the agent host hangs:

- n
- ns
- nsc
- nscd

Workaround: Start the nscd process in the appropriate project by using the newtask command:

/usr/bin/newtask -p *projectname* *command*

projectname is the project in which the application is to be started and *command* is the command to start the application.

For more information, see the newtask(1) man page.

Agent Hosts Missing After Reinstalling or Running Setup of Server Layer (4964051)

If you plan to reinstall the Sun Management Center software on the server layer, be sure to save the data when uninstalling. Similarly, if you run setup again on the server layer, be sure to answer No when asked if you want to recreate the database. Otherwise, agent hosts previously discovered might be missing from the database if the data was not saved and you then reinstall or set up again on the server layer.

Workaround: If hosts are missing after you reinstall or rerun setup, restart the Sun Management Center agent on the hosts by doing the following procedure:

1. Log in to agent system.

2. Become superuser.

   % **su -**

3. Stop the Sun Management Center agent by typing:

   # **/opt/SUNWsymon/sbin/es-stop -a**

4. Start the Sun Management Center agent by typing:

```
# /opt/SUNWsymon/sbin/es-start -a
```

`zlogin -C` **Is Required After Creating a Zone (6388082)**

To access a zone that is present in other physical machine, type zlogin -C *<zone-name>* from the global zone and set up the zone.

In the Name Server field of zone creation, type the name server value followed by IP address. For example, the value in the Name Server field could be ns1.sun.com (`10.255.255.255`).

Add-On Config Readers Bugs

`es-validate` **Command Reports Inconsistent Version Numbers Between English and Other Language Installations (6331558)**

Localization packages for Entry-Level Platform (ELP), Netra, Desktop/Workstation, and Workgroup Server add-on software are not updated in this release because no change is needed since the two previous releases.

Workaround: None.

PICL Might Not Interpret Some System Configuration Changes on Low-End and Midrange Systems (6243759)

This issue occurs in the ELP, Netra, and Desktop/Workstation config readers.

On Netra 240/440/T4, Sun Blade 100, and Sun Fire V240 servers that use Solaris 10 software, Platform Information and Control Library (PICL) might not interpret some system configuration changes after initialization, such as the bge1-bge3 drivers. The instances for these drivers are reflected in the output of the prtconf -v command but not in the output of the prtpicl -v command.

Workaround: Realign PICL with the prtconf utility by issuing the svcadm restart picl command.

Netra Bugs

PICL Daemon Must Be Restarted After Dynamic Reconfiguration (6247392)

After a dynamic reconfiguration (DR) operation with the `cfgadm` command on a system board with Solaris 10, several values in the config reader tables are either not displayed, or are displayed as '--'. The following config reader table entries are affected:

- System
- Network Devices
- LOM
- ASR
- LOM Events
- LOM Alarms
- Fault Indicator

The Hardware Summary and Physical View are also affected. The values for the Hardware Summary are displayed as '--' and the Physical View does not display the graphics for the system.

Workaround:

Restart the PICL daemon after a DR operation with the following commands:

For Solaris 8 and 9 systems:

```
% /etc/init.d/picld stop
```

```
% /etc/init.d/picld start
```

For Solaris 10 systems:

```
% svcadm restart svc:/system/picl:default
```

PICL Daemon Must Be Restarted After Dynamic Reconfiguration of DC PSU Type D142 on Netra 1280 Servers (6247392)

The PICL daemon is not updated after a DC PSU Type D142 is dynamically reconfigured on Netra 1280 servers.

Workaround: Restart the PICL daemon after a DR operation with the following commands:

For Solaris 8 and 9 systems:

```
% /etc/init.d/picld stop

% /etc/init.d/picld start
```

For Solaris 10 systems:

```
% svcadm restart svc:/system/picl:default
```

DC Power Supply Fields A and B Reversed (6277372)

Reports for the DC Power supply fields A and B are incorrectly reversed. If A is faulty and B is OK, Sun Management Center reports that B is faulty and that A is OK and vice versa.

Workaround: None.

Internal Devices Not Detected During Dynamic Reconfiguration Operations (6326558)

Internal devices such as disk and network are not detected during the removal process of DR operations on Solaris 10 systems.

Workaround: Restart the PICL daemon after a DR operation with the following command:

```
% svcadm restart picl
```

The workaround might not enable the agents that run on Solaris 10 systems to detect when the removal, insertion, or reconfigure operations of internal devices (disks, network) occurred.

Workgroup Server Bugs

Selecting the Alarm Tab on Sun Fire V880 and Sun Fire V480 Servers Causes Alarm Alert Messages (6317433)

On Sun Fire V880 and Sun Fire V480 servers with two objects, an Alarm Alert message similar to the following appears when you select the Alarm Tab on the discovered object.

The following alert message might be displayed:

Unable to get event management information from agent. Agent was busy or down. Will default to local event manager.

Most likely, this alert message is incorrect and the agent is working properly.

Clicking OK causes the alarm tab table to default to local event management. If the detail window of the discovered object is closed and opened again, clicking the alarm tab causes the same alert message to be displayed.

Workaround: None.

Incorrect Processor Type in Hardware Rules Table of Sun Fire V890 Servers on Solaris 10 (6318026)

Sun Fire V890 servers are shipped with UltraSparc-IV processors. However, the Property column of the Hardware Rules table incorrectly displays "Correctable Memory Error, Ultra Sparc III" and "I/O Correctable Error, Ultra Sparc III" as the processor type.

Workaround: None.

3

Late-Breaking News

This chapter includes information on new features that arrived too late to be included in the Sun Management Center 3.6.1 documentation set.

This chapter contains the following sections.

Platforms No Longer Supported

Starting with this release, the platforms listed in Table 3–1 are no longer supported by the corresponding add-on software.

If you want to use Sun Management Center software with these platforms, you must use an earlier version. If you want to use the software with these platforms with the Solaris 10 Operating System, minimum requirements are:

- Sun Management Center 3.5 Update 1b software
- Patch 118389-07 (or later)

Note – The Sun Fire V1280 is no longer supported by the Netra add-on software with Sun Management Center 3.6 software. Instead, use the add-on software for Sun Fire entry-level midrange systems or an earlier version of the software.

TABLE 3–1 Unsupported Platforms Starting With Version 3.6

Add-On Software	Platforms No Longer Supported
Netra	Netra T1/X1 series
	Sun Fire V1280 — Use instead add-on software for Sun Fire entry-level midrange systems
Starfire (Sun Enterprise 10000)	Entire add-on no longer supported
Sun Enterprise 3x00/4x00/5x00/6x00 and SPARCserver 2000 (x is a variable)	Entire add-on no longer supported
Sun Fire B1600 with server blades B200x/B100x/B100s	Entire add-on no longer supported
Sun Fire Link	Entire add-on no longer supported
Workgroup Servers	Sun Enterprise 450/420R/250/220R/10/5/2
	Sun Filer N8400/N8200
	Sun Ultra 450/250/10/5/2/1
Workstations	Sun Ultra 80/60/30

Sun Systems Supported by Sun Management Center 3.6.1

The following table lists the Sun systems supported by Sun Management Center 3.6.1.

TABLE 3–2 Sun Systems Supported by Sun Management Center 3.6.1

System Type	Model
CoolThreads™ Servers	Sun Fire T1000
	Sun Fire T2000
Sun Fire Entry-level Servers	Sun Fire V100

TABLE 3–2 Sun Systems Supported by Sun Management Center 3.6.1   *(Continued)*

System Type	Model
	Sun Fire V120
	Sun Fire V210
	Sun Fire V240
	Sun Fire V250
	Sun Fire V440
	Sun Fire 280R
Sun Fire Midrange and High-end Servers	Sun Fire V490/V480
	Sun Fire V890/V880
	Sun Fire E2900/V1280
	Sun Fire E4900
	Sun Fire E6900
	Sun Fire E25K/E20K
	Sun Fire 15K/12K
	Sun Fire 6800/4810/4800/3800
Carrier-Grade Servers	Netra 1290[1]
	Netra 1280
	Netra 120
	Netra 210
	Netra 240
	Netra 440
	Netra 20
	Netra t 1120/1125
	Netra t 1400/1405
Desktop	Sun Ultra 45
	Sun Blade 100
	Sun Blade 150

[1] Need to download Sun Management Center 3.6 Version 3 Add-on Software. See "Support for Netra 1290 Systems Available in Release 3.6 Version 3" on page 44 for more information.

TABLE 3–2 Sun Systems Supported by Sun Management Center 3.6.1   *(Continued)*

System Type	Model
	Sun Blade 1000
	Sun Blade 1500
	Sun Blade 2000
	Sun Blade 2500

UltraSparc IV+ CPU/Memory boards are supported on the following platforms:

- Sun Fire V890/V490
- Sun Fire E2900
- Sun Fire E6900/E4900
- Sun Fire E25K/E20K

Support for Netra 1290 Systems Available in Release 3.6 Version 3

Support for Netra 1290 systems is available in the recently released Sun Management Center 3.6 Version 3 Add-On Software for Sun Fire Entry-Level Midrange Systems.

Note – Even if you have previously installed the release 3.6 Version 3 add-on software, you must install it again after installing the core 3.6.1 software.

For information about installing this add-on software with the core Sun Management Center 3.6.1 software, refer to "Installing Sun Management Center 3.6 Version 3 Add-On Software for Sun Fire Entry-Level Midrange Systems: Required for Netra 1290 Systems" on page 13.

For information about installing this add-on software later, after installing the core Sun Management Center 3.6.1 software, refer to the *Sun Management Center 3.6 Version 3 Add-On Software Release Notes for Sun Fire Entry-Level Midrange Systems* and follow the instructions in the section "Updating From Sun Management Center 3.6 Software," replacing references to the core Sun Management Center 3.6 software with "3.6.1." The release notes document is available at `http://docs.sun.com/`.

Availability of Fault Manager Event Service in Solaris 10 Update 3

Sun Management Center 3.6.1 allows modules to subscribe to and receive fault events occurring on the Fault Manager Daemon (FMD).

Sun Management Center FM Event Service is available with Solaris 10 Update 3 for agent module writers. The service relies on Sun Management Center FM Plugin which will be made available as part of Solaris 10 Update 3.

4

Documentation Issues

This chapter describes documentation errors and omissions.

General Documentation Issues

The documentation for Sun Management Center 3.6.1 is *not* available on the software CD. The English documents and localized documents are available at `http://docs.sun.com`.

Online Help is not part of the product. Choosing Sun Management Center Help from the Help menu navigates the user to the Sun Management Center 3.6.1 Document Collection on `http://docs.sun.com`.

Sun Management Center 3.6.1 Installation and Configuration Guide **Issue**

"Supported Platforms" in *Sun Management Center 3.6.1 Installation and Configuration Guide* is not updated. Refer to "Sun Systems Supported by Sun Management Center 3.6.1" on page 42 for the updated information.

Solaris Container Manager 3.6.1 Online Help **Issue**

The localized versions of Solaris Container Manager 3.6.1 online help do not have the information on changing the additional zone attributes. The following information needs to be added to the About Zone Properties page.

▼ To Change the Additional Zone Attributes

1 From the Zone - Properties pane, click the Edit button in the Additional Attributes section.

If you are not in the Zone - Properties pane, see "To Navigate to the Zone - Properties Pane."

2 Type the new values for the additional zone attributes.

All commands must be in new line and all lines must be terminated by semicolon.

3 Click OK.

Example 4–1   1

```
add attr;

set name=attribute1;

set type=string;

set value="Test";

end;
```

Example 4–2   2

```
set pool=mypool;
```

Example 4–3   3

```
remove attr name=attribute2;
```

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.

Rule	Description
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 3.5 Supplement for VSP High End Entry Servers (Workgroup Servers) **Issue**

Page 11 inaccurately refers to information in the *Sun Management Center 3.6.1 Installation and Configuration Guide* about installing the new localization packages.

The *Sun Management Center 3.6.1 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 3.6.1 Installation and Configuration Guide* about installing the new localization packages.

The *Sun Management Center 3.6.1 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 is provided in PDF only:

■ *Sun Management Center Supplement for the Sun Fire, Sun Blade and Netra Systems*

- *Sun Management Center 3.5 Version 6 Release Notes for Sun Fire High-End Systems*
- *Sun Management Center 3.5 Version 6 Supplement for Sun Fire High-End Systems*
- *Sun Management Center 3.5 Version 6 Release Notes for Sun Fire Midrange Systems*
- *Sun Management Center 3.5 Version 6 Supplement for Sun Fire Midrange Systems*
- *Sun Management Center 3.5 Version 6 Release Notes for Sun Fire Entry-Level Midrange Systems*
- *Sun Management Center 3.5 Version 6 Supplement for Sun Fire Entry-Level Midrange Systems*
- *Sun Management Center 3.5 Supplement for Netra Servers*
- *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 Netra Servers,*Japanese Version, Issue

Chapter 1 omitted the following localization packages.

TABLE 4–1 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.*