



Sun Management Center 3.5 Update 1a Release Notes

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Preface

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

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

Note – The Solaris™ 10 release supports systems that use the SPARC® and x86 families of processor architectures: UltraSPARC®, SPARC64, AMD64, Pentium, and Xeon EM64T. The supported systems appear in the *Solaris 10 Hardware Compatibility List* at <http://www.sun.com/bigadmin/hcl>. This document cites any implementation differences between the platform types.

In this document the term “x86” refers to 64-bit and 32-bit systems manufactured using processors compatible with the AMD64 or Intel Xeon/Pentium product families. For supported systems, see the *Solaris 10 Hardware Compatibility List*.

Who Should Use This Book

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

Related Books

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

The core books include the following:

- *Sun Management Center 3.5 Update 1a 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 1a 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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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>.

Patches for Sun Management Center 3.5 Update 1a

These release notes apply to the following patches:

	Solaris 2.6	Solaris 7	Solaris 8	Solaris 9
Solaris SPARC				
Core	118386-03	118387-03	118388-03	118389-03
System Reliability Manager	118836-01	118837-01	118838-01	118839-01
Performance Reporting Manager	117436-02	117437-02	117438-02	117439-02
N1 Grid™ Console - Container Manager			118728-01	118729-01
Hardware Diagnostics and Advanced System Monitoring			118933-01	118933-01

	Solaris 2.6	Solaris 7	Solaris 8	Solaris 9
Solaris x86				
Core				117429-01
System Reliability Manager				118840-01
Performance Reporting Manager				118350-01
N1 Grid - Console Container Manager				118730-01

Installation Issues

Solaris 2.6 and Solaris 7 Agent Installation from CD Fails

If you install the Sun Management Center 3.5 Update 1a CD image on a Solaris 2.6 or Solaris 7 agent, the installation fails because a decompression utility is missing.

Workaround: To get the decompression utility, follow these steps:

1. Go to the web site <http://sunfreeware.com>.
2. Click on the link for your operating system, either SPARC/Solaris 2.6 or SPARC/Solaris 7.
3. Download the package `bzip2-1.0.2 (SMCbzip2)`.
4. Install the `SMCbzip2` package:

```
# pkgadd SMCbzip2
```

The package is installed in `/usr/local/bin` directory.

5. Create a soft link from `/usr/bin/bzcat` to `/usr/local/bin/bzcat`.

```
# ln -s /usr/local/bin/bzcat /usr/bin/bzcat
```
6. Install the Sun Management Center 3.5 Update 1a agent.

Solaris 10 Issues and Bugs

You can run Sun Management Center on systems running the Solaris 10 operating system. If you install and use the product on a system running Solaris 10, note the following:

- The default SNMP port, 161, is assigned to the Systems Management Agent (SMA). We recommend that you use a different port number for Sun Management Center, such as, port 1161.
- To enable encryption, you need to have the `SUNWcry` package installed. The `SUNWcry` package is part of the Solaris Encryption kit. To obtain the kit, see your Sun sales representative. For more information, see the *Sun Management Center 3.5 Update 1 Supplement*.
- Install this product in the global zone only.
- Remote installation (`es-inst -R` command) is not supported. (6216693)
- JumpStart™ installation of the agent is not supported. (6216700)
- Incremental patches are not supported (6219176). This is described below.
- Agent-Update install client on Solaris 10 hangs (6216723). This is described below.
- Base-only installation using agent-update fails to add essential patches (6219534). This is described below.
- Core product only install fails to install essential patch from image created by `es-makeagent` (6219541). This is described below.
- CD 1 gets locked during server install using GUI installation utility (6219648). This is described below.

`patchadd` in Solaris 10 Does Not Support Incremental Patching (6219176)

On Solaris 10 systems, installing a patch incrementally to a Sun Management Center layer (server, console, agent) or add-on works differently than on Solaris 9 and earlier systems.

On Solaris 9 and earlier systems, you can install a patch to the Sun Management Center console and then add the agent layer and apply the same patch. The patch installer knows which packages within the patch applied to which layer or add-on.

On Solaris 10 systems, if you install a patch to the Sun Management Center console and then add the agent layer and apply the same patch, the installer sees only that the patch was installed and exits.

Workaround: Remove the patch by using the `patchrm` command and then use the `es-inst` command to install the patch.

Agent-Update Install Client on Solaris 10 Hangs (6216723)

Agent-Update's install client does not use the `-G` option (global zone) for installing the bootstrap package `SUNWessmu`. On a Solaris 10 system with zones running, the install client hangs during the `pkgadd` of `SUNWessmu` because the `-G` option is not used.

Workaround: None.

Base-only Installation Using Agent-Update Fails to Add Essential Patches (6219534)

Note – If you create an agent-update image that included the base product *and* any add-on product, this information does *not* apply. This information applies when you use either `es-imagetool` or `es-gui-imagetool` to create an agent-update image of the base product only (that is, no add-ons in the image).

Workaround: There are two scenarios, depending on the operating system you are using.

To deploy Solaris 2.6 to Solaris 9 base agent images from a 3.5.1a server (Solaris 8 Sun Management Server with patch 118388-03, Solaris 9/10 Sun Management Server with patch 118389-03) using `agent-update.bin` or Job Manager, follow these steps:

1. Deploy the agent image on the target host.
2. Deploy the patch image on the target host.

To deploy Solaris 10 base agent only image from a 3.5.1a server (Solaris 8 Sun Management Server with patch 118388-03, Solaris 9/10 Sun Management Server with patch 118389-03) using `agent-update.bin`, follow these steps:

1. Pull the agent image using `agent-update.bin` and ignore the following message at the end of `agent-update.bin`:

```
es-inst command will be timed out in 3600 seconds
es-inst passed

Doing setup of base product ...
setup of base product will be timed out in 1800 seconds
base setup failed

install scripts failed
Error: running InstallClient

Error: running InstallClient with error code -1
```

2. Apply the patch for the base agent on Solaris 10 (patch id 118389-03) located on the second CD at:

```
mount-point/image/Patches/Essential/Solaris_9
```

3. Run `es-setup` and complete the agent installation.

Core Product Only Install Fails to Install Essential Patch from Image Created by `es-makeagent` (6219541)

If you install the core product only (no add-ons), the installation fails to install the essential patch from the image created by `es-makeagent`.

Workaround: Apply the patch manually on the agent host. The patches for the core product are located on second CD at:

```
mount-point/image/Patches/Essential
```

CD 1 Gets Locked During Server Install Using GUI Installation Utility (6219648)

To work around this problem, you have two main choices.

Workaround: There are two scenarios, depending on your preference.

- Use the command-line installation (`es-inst`) for server-layer installation.
- Use the GUI-based installation utility (`es-guiinst`) with one of these three options:
 1. Copy both disks (CD 1 and CD 2) onto a disk drive locally as explained below. CD 1 should be copied to `target-directory/disk1` and CD 2 to `target-directory/disk2`.
 2. Load CD 1 and CD 2 in different CD drives and NFS mount them so that CD 1 is mounted on the target host as `mount-directory/disk1` and CD 2 is mounted as `mount-directory/disk2`.
 3. Download the web image from <http://www.sun.com> onto a system which has the structure as specified in option 1.
- After doing any of the above options, run `es-guiinst` from the `disk1/sbin` directory.

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>.

Runtime Issues and Bugs

If you use the product on a system running Solaris 10, note the following:

- On Netra systems, Lights Out Management (LOM) is not supported. Some tables within the Netra config-reader will be blank. (6216281)
- The following systems do not support Solaris 10:
 - Sun Fire B1600
 - System Service Processor (SSP) on Sun Enterprise 10000
- On Windows, discovery does not list the Solaris 10 operating system for filtering (6219691).

N1 Grid Console - Container Manager 1.0

This applies to patches 118728-01, 118729-0, or 118730-01 for N1 Grid Console - Container Manager 1.0.

Process Table of the Project Always Empty for All Projects Other Than Default and First One Created (6216729)

Any container that you create after the first one does not bind processes to the container. The process table for the container is empty.

Workaround: To enable N1 Grid Console - Container Manager to move processes into the container, add the user name as the fourth field of the project entry in the `/etc/project` file.

Late-Breaking News

This chapter includes information on new features for Sun Management Center 3.5 Update 1a.

Solaris 10 Support

You can run Sun Management Center on systems running the Solaris 10 operating system.

Launching the Java Console Through the Command Line (4969921)

To start the console automatically, first create a file to specify the login information. The **login-file** is used with the **-c** and **-n** options to specify a text file to retrieve login information. It has the following format:

```
username : user-name
password : password
serverhost : local-host
serverport : port-number
```

For example, create a file named `login.txt`, with the following content:

```
username : jching
password : 1AxDh98
serverhost : sanjose1
```

```
serverport : 2099
```

The *login-file* must be owned and readable-only (400) by the user who starts the console. The file would have the following permissions:

```
-r----- 1 jching other    83 Oct 27 07:55 login
```

The command for launching the console with the information from the *login-file* is:

```
# /opt/SUNWsymon/sbin/es-start -c -n login-file
```