



Sun™ Management Center 3.5 Version 4 Release Notes for Sun Fire™ High-End Systems

Sun Microsystems, Inc.
www.sun.com

Part No. 817-4036-10
April 2004, Revision A

Submit comments about this document at: <http://www.sun.com/hwdocs/feedback>

Copyright 2004 Sun Microsystems, Inc., 4150 Network Circle, Santa Clara, California 95054, U.S.A. All rights reserved.

Sun Microsystems, Inc. has intellectual property rights relating to technology that is described in this document. In particular, and without limitation, these intellectual property rights may include one or more of the U.S. patents listed at <http://www.sun.com/patents> and one or more additional patents or pending patent applications in the U.S. and in other countries.

This document and the product to which it pertains are distributed under licenses restricting their use, copying, distribution, and decompilation. No part of the product or of this document may be reproduced in any form by any means without prior written authorization of Sun and its licensors, if any.

Third-party software, including font technology, is copyrighted and licensed from Sun suppliers.

Parts of the product may be derived from Berkeley BSD systems, licensed from the University of California. UNIX is a registered trademark in the U.S. and in other countries, exclusively licensed through X/Open Company, Ltd.

Sun, Sun Microsystems, the Sun logo, docs.sun.com, Solaris, Sun Fire, and Sun Fire Link are trademarks or registered trademarks of Sun Microsystems, Inc. in the U.S. and in other countries.

All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. in the U.S. and in other countries. Products bearing SPARC trademarks are based upon an architecture developed by Sun Microsystems, Inc.

The OPEN LOOK and Sun™ Graphical User Interface was developed by Sun Microsystems, Inc. for its users and licensees. Sun acknowledges the pioneering efforts of Xerox in researching and developing the concept of visual or graphical user interfaces for the computer industry. Sun holds a non-exclusive license from Xerox to the Xerox Graphical User Interface, which license also covers Sun's licensees who implement OPEN LOOK GUIs and otherwise comply with Sun's written license agreements.

U.S. Government Rights—Commercial use. Government users are subject to the Sun Microsystems, Inc. standard license agreement and applicable provisions of the FAR and its supplements.

DOCUMENTATION IS PROVIDED "AS IS" AND ALL EXPRESS OR IMPLIED CONDITIONS, REPRESENTATIONS AND WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT, ARE DISCLAIMED, EXCEPT TO THE EXTENT THAT SUCH DISCLAIMERS ARE HELD TO BE LEGALLY INVALID.

Copyright 2004 Sun Microsystems, Inc., 4150 Network Circle, Santa Clara, Californie 95054, Etats-Unis. Tous droits réservés.

Sun Microsystems, Inc. a les droits de propriété intellectuels relatants à la technologie qui est décrit dans ce document. En particulier, et sans la limitation, ces droits de propriété intellectuels peuvent inclure un ou plus des brevets américains énumérés à <http://www.sun.com/patents> et un ou les brevets plus supplémentaires ou les applications de brevet en attente dans les Etats-Unis et dans les autres pays.

Ce produit ou document est protégé par un copyright et distribué avec des licences qui en restreignent l'utilisation, la copie, la distribution, et la décompilation. Aucune partie de ce produit ou document ne peut être reproduite sous aucune forme, par quelque moyen que ce soit, sans l'autorisation préalable et écrite de Sun et de ses bailleurs de licence, s'il y en a.

Le logiciel détenu par des tiers, et qui comprend la technologie relative aux polices de caractères, est protégé par un copyright et licencié par des fournisseurs de Sun.

Des parties de ce produit pourront être dérivées des systèmes Berkeley BSD licenciés par l'Université de Californie. UNIX est une marque déposée aux Etats-Unis et dans d'autres pays et licenciée exclusivement par X/Open Company, Ltd.

Sun, Sun Microsystems, le logo Sun, docs.sun.com, Solaris, Sun Fire, et Sun Fire Link sont des marques de fabrique ou des marques déposées de Sun Microsystems, Inc. aux Etats-Unis et dans d'autres pays.

Toutes les marques SPARC sont utilisées sous licence et sont des marques de fabrique ou des marques déposées de SPARC International, Inc. aux Etats-Unis et dans d'autres pays. Les produits portant les marques SPARC sont basés sur une architecture développée par Sun Microsystems, Inc.

L'interface d'utilisation graphique OPEN LOOK et Sun™ a été développée par Sun Microsystems, Inc. pour ses utilisateurs et licenciés. Sun reconnaît les efforts de pionniers de Xerox pour la recherche et le développement du concept des interfaces d'utilisation visuelle ou graphique pour l'industrie de l'informatique. Sun détient une licence non exclusive de Xerox sur l'interface d'utilisation graphique Xerox, cette licence couvrant également les licenciées de Sun qui mettent en place l'interface d'utilisation graphique OPEN LOOK et qui en outre se conforment aux licences écrites de Sun.

LA DOCUMENTATION EST FOURNIE "EN L'ÉTAT" ET TOUTES AUTRES CONDITIONS, DECLARATIONS ET GARANTIES EXPRESSES OU TACITES SONT FORMELLEMENT EXCLUES, DANS LA MESURE AUTORISEE PAR LA LOI APPLICABLE, Y COMPRIS NOTAMMENT TOUTE GARANTIE IMPLICITE RELATIVE A LA QUALITE MARCHANDE, A L'APTITUDE A UNE UTILISATION PARTICULIERE OU A L'ABSENCE DE CONTREFAÇON.



Adobe PostScript

Contents

Changes in Software	1
Required Software Versions and Patches	2
Obtaining the Add-on Software	3
Finding the Documentation	4
Known Limitations	4
Use CLI Commands for Hot-Swapping Operations	4
Domain Config Reader Not Compatible With Veritas Netbackup SSO on a Tape Drive Connected to a SAN	5
PDSM Needs More Descriptive Error Messages	5
Known Bugs	5
PCR System View Sometimes Displays Erroneous <code>ACTIVATING</code> State for Failover (5010351)	6
PCR CPU Board View Omits Critical Alarm When Test Fails (5038587)	6
Platforms View Updates Slowly Following <code>addboard</code> With SMS CLI (4997917)	6
System Information Missing from Hardware Summary View Following PDSM Operation (5029899)	6
Domain Views May Display Erroneous Domain ID Status (5028738)	7
Move Board Dialog Does Not Indicate Completion of Operation (5029907)	7
Confirmation Dialog Boxes for Domain DR Operations Can Be Edited (5027103)	7

Alarms Do Not Appear in PCR Hardware Tab's Physical or Logical Views
(5034791) 8

Sun Fire Link Dialog Boxes May Display Erroneous Information (4984273) 8

Sun Management Center 3.5 Version 4 Release Notes for Sun Fire High-End Systems

This document contains the following release notes for the Sun Management Center 3.5 add-on software for Sun Fire High-End Systems, Version 4:

- “Changes in Software” on page 1
- “Required Software Versions and Patches” on page 2
- “Obtaining the Add-on Software” on page 3
- “Finding the Documentation” on page 4
- “Known Limitations” on page 4
- “Known Bugs” on page 5

Changes in Software

This section describes the changes in Sun Fire High-End Systems software add-on components between the release of Sun Management Center 3.5 add-on software for Sun Fire 15K/12K systems, Version 2, and this release of Sun Management Center 3.5 add-on software for Sun Fire High-End Systems, Version 4.

All references to documents in this section apply to the *Sun Management Center 3.5 Version 4 Supplement for Sun Fire High-End Systems*, 817-4036-10.

- Adds support for the two new models in the Sun Fire High-End Systems family: the E25K and E20K. The supported model numbers for the release are:
 - Sun Fire E25K
 - Sun Fire E20K
 - Sun Fire 15K
 - Sun Fire 12K

- Adds support for UltraSPARC® IV central processing units (CPUs).
- Changes system title to the more generic Sun Fire High-End Systems rather than listing all the model numbers.

For more detailed information about situations that might affect the performance of Sun Management Center 3.5 software, refer to the:

- *System Management Services (SMS) 1.4.1 Release Notes*
- *Solaris Release Notes Supplement for Sun Hardware* for your version of Solaris

Required Software Versions and Patches

TABLE 1 lists the software versions required for Sun Fire High-End Systems support for this release.

Note – If you want to use dynamic configuration (DR) with this release, you must include the Dynamic Reconfiguration for Sun Fire High-End and Midrange Systems add-on during installation. You must install this new version even if a previous version of the DR add-on is already installed on the system.

TABLE 1 Required Software Versions

Host	Required Software	Version
Server machine	Solaris Operating Environment	Solaris 8 2/04 Solaris 9 4/04
	Sun Management Center base software	3.5
	Sun Management Center Sun Fire High-End Systems add-on software	3.5 Version 4
System controllers	Solaris Operating Environment	Solaris 8 2/04 Solaris 9 4/04
	System Management Services (SMS)	1.4.1
	Sun Management Center base software	3.5
	Sun Management Center Sun Fire High-End Systems add-on software	3.5 Version 4
Sun Fire High-End Systems domains	Solaris Operating Environment	Solaris 8, 9
	Sun Management Center base software	3.5

TABLE 1 Required Software Versions (Continued)

Host	Required Software	Version
Workstations (for console layer)	Sun Management Center Sun Fire High-End Systems add-on software	3.5 Version 4
	Solaris Operating Environment	Solaris 8, 9
	Sun Management Center base software	3.5

TABLE 2 lists patches required with this release. Always use the most recent version of the patch in question.

TABLE 2 Required and Recommended Patches

Patch	Required for	Operating Environment
117404	SMS 1.4.1 with Sun Fire Link	Solaris 8, 9
116164	Sun Fire Link with NAT	Solaris 8
116162	Sun Fire Link with NAT	Solaris 9

You can download patches from the SunSolveSM Web site at

<http://sunsolve.sun.com>

Obtaining the Add-on Software

The Sun Management Center 3.5 add-on software packages and documents for Sun Fire High-End Systems, Version 4, are supplied in a zip file named `SunManagementCenter_3_5_SunFire_Supplements_V4_RR.zip` on the software download site:

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

If you don't see the listing for **Sun Management Center 3.5, Enterprise Systems Products Sun Fire Supplements V4** under New Downloads, do the following:

1. Click on the **A-Z Index of All Products**.
2. Click on **S**.

3. Scroll down and click on **Sun Management Center 3.5, Enterprise Systems Products Sun Fire Supplements V4**.
4. Click on **Download**.
5. Log in to the **Download Center**.
6. Click on **Accept** to accept the **License Agreement**, and click on **Continue**.
7. Follow the instructions on the download page.

Finding the Documentation

The English and localized documentation can be found in the following directory of the downloaded zip file:

```
disk2/image/Additional_Addon_Docs/
```

Known Limitations

If there are any known limitations for the System Management Services (SMS) 1.4.1 operations, or dynamic reconfiguration (DR) operations, they are documented in:

- *System Management Services (SMS) 1.4.1 Release Notes*
- *Solaris Release Notes Supplement for Sun Hardware* for your version of Solaris

These release notes describe known limitations for this release of the Sun Management Center 3.5 Version 4 add-on software for the Sun Fire High-End Systems.

Use CLI Commands for Hot-Swapping Operations

Use command-line interface (CLI) commands to perform hot-swap operations, rather than Sun Management Center 3.5 Version 4 add-on software for Sun Fire High-End Systems. For more information about hot-swapping operations on Sun Fire High-End Systems, refer to the latest *Sun Fire High-End Systems Dynamic Reconfiguration User Guide*, *System Management Services (SMS) Reference Manual*, and the Sun Fire systems service manual for your Sun Fire model.

Domain Config Reader Not Compatible With Veritas Netbackup SSO on a Tape Drive Connected to a SAN

If your tape drive is *not* connected to a storage area network (SAN), you are *not* affected by this problem.

If you have a StorageTek tape drive attached to a SAN, which is being used by Veritas Netbackup SSO, the Sun Management Center 3.5 Sun Fire High-End Systems Domain Config Reader is not compatible with the Veritas Netbackup SSO implementation. The Domain Config Reader does not issue commands that change the state or tape position of the device. However, because the tape device is attached to the SAN and is not a locally attached device, it can result in a SCSI being reset. The cause of the problem is that two separate hosts both can have devices opened at the same time.

Workaround: If you have this problem, contact your Sun service representative.

PDSM Needs More Descriptive Error Messages

The Platform/Domain State Management (PDSM) module needs to describe what is wrong and what causes the error in its error messages.

Workaround: When you see an error while working in the PDSM module, look in these log files to see the status of the operation:

- `/var/opt/SUNWsymon/log/pdsm.log` or `platform.log`
- `/tmp/pdsm.log`
- console log file
- `/var/opt/SUNWSMS/SMS version/adm/platform/messages`, where *SMS version* is the running version of SMS, such as `SMS1.4.1`

Known Bugs

This section describes software bugs that were known at the time of this release and that you might notice or that can affect the operation of Sun Management Center 3.5 Version 4 software for Sun Fire High-End Systems.

PCR System View Sometimes Displays Erroneous ACTIVATING State for Failover (5010351)

When a problem prevents failover from occurring, the Platform Config Reader (PCR) System view displays the `ACTIVATING` state rather than the `FAILED` state.

Workaround: Use the `SMS showfailover` command to determine the accurate status.

PCR CPU Board View Omits Critical Alarm When Test Fails (5038587)

When the `scBTest` test status for a CPU board is `FAILED`, the Platform Config Reader (PCR) CPU Board view does not display a critical alarm.

Workaround: Monitor test status for CPU boards in the PCR CPU Board table or by running the `SMS showboards` command.

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

After performing an `addboard` operation at the command-line interface (CLI) in System Management Services (SMS), the corresponding Sun Management Center Platform view sometimes requires 10 minutes to update.

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

System Information Missing from Hardware Summary View Following PDSM Operation (5029899)

After executing a PDSM operation, you may encounter a lack of system information when viewing the Hardware Summary view.

Workaround: Close the Details window and reopen it to view the latest system information displayed in Hardware Summary view.

Domain Views May Display Erroneous Domain ID Status (5028738)

When a slot board is listed in the Access Control List (ACL) with a given domain ID n , that domain ID n remains displayed in the Domain view even after the board has been unassigned from the domain in that view.

Workaround: To determine the correct domain ID, check the Platform view, not the Domain view.

Move Board Dialog Does Not Indicate Completion of Operation (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 may be instances where an operation is successful but does not display a completion message.

Workarounds: Circumvent this issue using either the GUI or the command-line interface (CLI):

- *GUI* – Close the Move Board dialog and open the Show Status dialog to view any messages related to the operation. The following message indicates the operation has completed:

```
No status from the agent.
```

- *CLI* – The output of this command executed on the SC will tell 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 SunMC 3.5 functionality. Please click the OK or Cancel button.

Alarms Do Not Appear in PCR Hardware Tab's Physical or Logical Views (5034791)

Information about alarms is not displayed in the Physical or Logical views available under the Platform Config Reader (PCR) Hardware tab.

Workaround: To view alarm information, look instead in one of these places:

- Use the Hardware tab in the Details window to access the PCR module. The alarm info is displayed in the CPU Board table.
- Use the Alarms tab in the Details window to access the Alarms table. The alarm info is listed in the table.

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

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