



# Sun™ Management Center 3.5 Supplement for Sun Fire™ B1600

---

Release Notes

Sun Microsystems, Inc.  
www.sun.com

Part No. 817-3587-11  
February 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, AnswerBook2, docs.sun.com, Sun Fire and Solaris 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 ena.

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, AnswerBook2, docs.sun.com, Sun Fire et Solaris 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 protant 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.



Please  
Recycle



Adobe PostScript

# Release Notes

---

This document contains additional information to supplement the *Sun Management Center 3.5 Supplement for Sun Fire B1600* (part no. 817-3586-10). Do not use it with any other version of the document.

This release of the Sun Management Center 3.5 software for the Sun Fire B1600 currently supports the following server blades:

- B100s
- B100x
- B200x

---

## Bugs

The following bugs were known at the time of publication.

### 4801125

- ***Could not start Agent* messages comes up when `es-start -a` is run on a u10 machine.**

This is a spurious error message and can be ignored.

## 4823049

- **Manually started processes are killed when logging out of the bourne shell**

This bug applies to use of the bourne shell. If the daemons `spardp`, `spapom` or `spama` are started manually after installing the management agent, the processes are stopped after you log out. The processes are associated with a terminal when it is started, so when the shell is terminated a `SIGHUP` signal is sent to the processes, which are also stopped.

Use an alternate shell such as `ksh`, or start the daemons by restarting the server to overcome this problem.

## 4845514

- **The Rules table output contains strange characters.**

If you examine the rules table for the B1600 Common Config Reader, you might find that certain space characters have been replaced by the string `?20`; for example, `Ethernet?20Adapter?201` appears instead of `Ethernet Adapter 1`.

This is a console display bug only and does not affect functionality.

## 4875968

- **`es-platform -a` fails if the name of the monitored blade contains a `'`.**

If you have hostnames such as `caradon-sp` that have to be monitored using the platform agent, comment out the new test from

`/opt/SUNWsymon/sbin/es-platform:`

```
#echo $INSTANCENAME | /usr/bin/egrep -e "[a-zA-Z][a-zA-Z0-9]*$"
> /dev/null #2>&1
#   if [ $? -ne 0 ] ; then
#       echolog "The instance name must begin with an alphabet."
#       exit 1
#   fi
```

---

**Note** – Editing this file causes checksum warning messages to be generated during any future re-installation. These messages can be ignored.

---

## 4887830 and 4888546

- **In Bug 4887830, `es-start.sh` is not called by `es-guistart`.**
- **In bug 4888546, `es-start.sh` is not called following setup using `es-setup`.**

These bugs are related and result in a failure to start all of the required components to perform successful B1600 monitoring. `es-guistop` has similar issues in that it does not shut down all the of components.

The only clean way to start and stop the agent is from the command line, with the `es-start -A`, or `es-stop -A` commands.

## 4890039

- **The Views menu in PV/LV is incorrect for platform agent add-ons.**

The *Views* drop down menu displayed when the hardware tab is selected in the Sun Management Center console contains the incorrect text `com.sun.symon.apps.hardview.console` instead of the text B1600.

This is a display problem only; selecting the appropriate menu entry performs the required function.

## 4909621

- **Hard, Soft, and Transparent errors are not listed after B100x and B200x blades.**

The Hard, Soft, and Transport Error fields are not filled in for B100x and B200x blades (although they are for B100s blades). The fields always display as empty instead.

---

# Workarounds and Additional Information

The following sections cover amendments to the *Sun Management Center 3.5 Supplement for Sun Fire B1600* known at the time of publication.

## Additions and Updates to Chapter 2: Installation

### ▼ To Install and Set up the Domain Agent Software

The following step replaces steps 13 and 14 on page 29:

**13. Click the Cancel button and use the following command to start the agent.**

```
/opt/SUNWsymon/sbin/es-start -A
```

This is needed to work round bug 4887830.

### ▼ To Install and Set up the Sun Management Center 3.5 Platform Agent Software

The following additional step should be performed between steps 11 and 12 on pages 32 and 33:

**11a. If the name of the monitored blade contains a hyphen, edit the file `/opt/SUNWsymon/sbin/es-platform` to comment out the new test.**

```
#echo $INSTANCENAME | /usr/bin/egrep -e "^[a-zA-Z][a-zA-Z0-9]*$"
> /dev/null #2>&1
#   if [ $? -ne 0 ] ; then
#       echolog "The instance name must begin with an alphabet."
#       exit 1
#   fi
```

This is a work-round for bug 4875968.

Editing this file causes checksum warning messages to be generated during any future re-installation. These messages can be ignored.

# Additions and Updates to Appendix B: Installing From the Command Line

## ▼ To Install and Set up the Domain Agent Software

Step 8 on page 94 is restated as follows:

**8. Reply n to the question "Do you want to start Sun Management Center agent and server components now". Use the following command to start the agent:**

```
/opt/SUNWsymon/sbin/es-start -A
```

This step is needed to work round bug 4888546.

## ▼ To Install and Set up the Sun Management Center 3.5 Platform Agent Software

The following additional step should be performed between steps 8 and 9 on pages 96 and 97:

**9a. If the name of the monitored blade contains a hyphen, edit the file /opt/SUNWsymon/sbin/es-platform to comment out the new test.**

```
#echo $INSTANCENAME | /usr/bin/egrep -e "^[a-zA-Z][a-zA-Z0-9]*$"
> /dev/null #2>&1
#   if [ $? -ne 0 ] ; then
#       echolog "The instance name must begin with an alphabet."
#       exit 1
#   fi
```

This is a work-round for bug 4875968.

---

# Setting up Packet Filtering (B100s Blade Only)

This section provides an example of how to set up packet filtering for the Sun Fire B100s blade.

Changes are required in three places to implement this functionality:

- SSC switch
- Proxy
- Blade(s)

## ▼ To Configure the SSC Switch

1. To log into the switch, first login to the SC. On the SC, type:

```
sc> console ssc0/swt
```

This is where the packet filter is set up.

2. To see the current vlans, execute:

```
Console# show vlan
```

Output similar to the following is displayed:

VLAN	Type	Name	Status	Ports/Channel groups						
----	----	----	-----	-----						
1	Static	DefaultVlan	Active	SNP0	SNP1	SNP2	SNP3	SNP4		
				SNP5	SNP6	SNP7	SNP8	SNP9		
				SNP10	SNP11	SNP12	SNP13	SNP14		
				SNP15	NETP0	NETP1	NETP2	NETP3		
				NETP4	NETP5	NETP6	NETP7			
2	Static	MgtVlan	Active	NETMGT						



### 3. Set up the packet filter by execute the following commands:

```
Console# configure
Console(config)# interface ethernet SNPx
Console(config-if)# switchport allowed vlan add 2 tagged
Console(config-if)# exit
```

where **x** is the blade slot number, and **2** is the vlan.

### 4. Configure the SNMP and SunMC IB:

```
Console(config)# ip filter permit udp 0.0.0.0 0.0.0.0 161 0.0.0.0 0.0.0.0
Console(config)# ip filter permit tcp 0.0.0.0 0.0.0.0 161 0.0.0.0 0.0.0.0
Console(config)# ip filter permit tcp 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0 162
Console(config)# ip filter permit udp 0.0.0.0 0.0.0.0 0.0.0.0 0.0.0.0 162
```

### 5. Configure the RDP OOB:

```
Console(config)# ip filter permit udp 0.0.0.0 0.0.0.0 1099 0.0.0.0 0.0.0.0
Console(config)# ip filter permit tcp 0.0.0.0 0.0.0.0 1099 0.0.0.0 0.0.0.0
Console(config)# end
Console# dir
```

### 6. To save the configuration, type:

```
Console# copy run file (system prompts for a file name, save_cfg in example)
Destination configuration file name: save_cfg
Write to FLASH Programming.
Write to FLASH finish.
Success.
Console# dir
```

file name	file type	startup	size (byte)
diag_1009	Boot-Rom image	Y	120368
runtime_v10014	Operation Code	N	1470312
runtime_v10015	Operation Code	Y	1470756
Factory_Default_Config.cfg	Config File	Y	4275
save_cfg	Config File	N	5069

```
-----
Total free space: 3801088

Console# configure
Console(config)# boot sys con save_cfg
```

```

Console(config)# end
Console# dir
file name                               file type      startup  size (byte)
-----
diag_1009                               Boot-Rom image Y         120368
runtime_v10014                          Operation Code N         1470312
runtime_v10015                          Operation Code Y         1470756
Factory_Default_Config.cfg              Config File   Y          4275
save_cfg                                Config File   N          5069
-----
Total free space: 3801088

```

## ▼ To Configure the Proxy

Edit the `nsswitch.conf` and `hosts` files in `/etc`, as follows.

1. Edit the `hosts` line in the `nsswitch.conf` file to read files nis ...
2. Add the hostname to the `hosts` file for the `ce2000` vlan device that is created on the blade:

```
10.1.1.202      atqa202-2
```

Ensure that there is an entry for each blade in the chassis.

## ▼ To Configure the Blade(s)

1. Obtain ip numbers for the administrative network.

View the configured network interfaces:

```
ifconfig -a
```

2. Configure a vlan, using the formula `ce(VLAN id x 1000) + instance`:

If using vlan 2 on device instance 0, `ce0`, the hostname extension would be `ce2000`.

If using vlan 2 on device instance 1, `ce1`, the hostname extension would be `ce2001`.

3. Create `/etc/hostname.ce2000` and enter the new hostname.

```
vi /etc/hostname.ce2000
```

For example, enter `atqa202-2`.

4. Add an appropriate entry to the `host` file.

Add a line with the ip number and hostname.

```
vi /etc/hosts
10.1.1.202    atqa202-2
vi /etc/nodename
vi /etc/nsswitch.conf
```

---

**Note** – `nodename` in this example is `atqa202-2`.

---

5. Change hosts line in the `nsswitch.conf` file to read files `nis ...`

6. Add an entry for the ip address:

```
vi /etc/netmasks
10.1.1.202    255.255.255.0
```

7. Execute the following, or reboot the blade:

```
ifconfig ce2000 10.1.1.202 netmask 255.255.255.0 broadcast 10.1.1.255 up
```

8. Check the changes with the `ifconfig` command:

```
ifconfig -a
```

9. Reset the SC with `resetsc -y` to acquire the new B100s blade node names.

