



Sun™ SNMP Management Agent for the Sun Fire B1600

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Release Notes

This document contains additional information to supplement the *Sun SNMP Management Agent Guide for the Sun Fire B1600 Version 1.2* (part no. 817-3584-10). Do not use it with any other version of the document.

This release of the Sun SNMP Management Agent 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.

4823049

- **Manually started processes are killed when logging out of a 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 the user logs 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.

4906919

- **SNMP Ethernet device file information is not displayed for B100s intermittently.**

When a Sun Fire B100s blade is installed in the Sun Fire B1600 chassis, the Ethernet device filename information for the blade might be missing from the SNMP `entPhysicalName` information.

This problem occurs only if another blade is removed illegally without use of the System Controller `removefru` command immediately prior to installation of the new blade.

4918131

- **After a B100x blade is moved to a different slot, `snmp entLogicalTAddress` is incorrect.**

If a Sun Fire B100x blade is inserted into a Sun Fire B1600 chassis after the SNMP Agent has completed construction of the SNMP model of the shelf, the SNMP `entLogicalTAddress` value for the blade is set to 7F 00 00 01 00 A1 or 127.0.0.1:161. This should be the external IP address of the blade rather than the loopback address.

If the active SC is reset, the information is presented correctly.

Setting up Packet Filtering (for the 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
```

An 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. To set up the packet filter, 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
```

Confirm 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 of `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.