

Sun Blade 6000 Modular System

Product Notes



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Using This Documentation

This document describes hardware issues, software issues, and documentation issues for Oracle's Sun Blade 6000 modular system.

Issues include information that you should know about, such as prerequisites, tips, troubleshooting hints, and change requests. Change requests have tracking numbers shown in parentheses.

Product Updates and Downloads

For Sun Blade 6000 modular system product updates, see the product page at:

<http://www.oracle.com/us/products/servers-storage/servers/ blades/030803.htm>

Product downloads are available at:

<http://www.oracle.com/technetwork/systems/patches/firmware/release-history-jsp-138416.html>

Note – The Sun Blade 6000 modular system chassis management module (CMM) and server module service processors must all be upgraded to the latest firmware release. Make sure to update the server modules first and then the Sun Blade 6000 CMM to the latest firmware, using ILOM CLI, GUI, or IPMI interfaces.

Related Documentation

The Sun Blade 6000 modular system documentation is available at

<http://www.oracle.com/goto/sb6000/docs>

Documentation, Support, and Training

Function	URL
Documentation	http://www.oracle.com/technetwork/indexes/documentation/index.html
Support	https://support.oracle.com
Training	https://education.oracle.com

Documentation Feedback

Provide feedback on this documentation at:

<http://www.oracle.com/goto/docfeedback>.

Product Notes Overview

- “Product Overview” on page 1
 - “Table of Fixed and Open Issues” on page 2
-

Product Overview

Oracle’s Sun Blade 6000 chassis is uniquely designed to support a range of application environments by integrating Oracle’s x86 and SPARC server modules (blades) with high-capacity networking and storage blades.

The Sun Blade 6000 modular system documentation is available at:

<http://www.oracle.com/goto/sb6000/docs>

It includes many detailed documents as well as introductory documents, such as:

- *Sun Blade 6000 Modular System Overview*
- *Sun Blade 6000 and Sun Blade 6048 Modular Systems Site Planning Guide*
- *Sun Blade 6000 Modular System Getting Started Guide*

Component Documentation

Some components of the Sun Blade 6000 modular system have their own documentation sets, for example.

Component	Library Link
Server and storage module (x86)	http://www.oracle.com/technetwork/documentation/oracle-blade-sys-190001.html
Server modules (SPARC)	http://www.oracle.com/technetwork/documentation/sparc-tseries-servers-252697.html
Network Express Modules	http://www.oracle.com/technetwork/documentation/oracle-blade-sys-190001.html

Sun Blade 6000 Virtualized Multi-Fabric 10 GbE M2 NEM Information

VMware ESXi 5.0 is the last and final version of ESXi certified on the Sun Blade 6000 Virtualized Multi-Fabric 10GbE M2 Network Express Module. No further certifications of newer versions will be qualified and released.

Table of Fixed and Open Issues

An issue with an Open status means that there is not an available fix for the bug yet. If a workaround is available, it is explained in the bug description.

The ILOM issues are grouped according to whether they are opened or fixed in a specific ILOM version (chassis software version is also shown in parenthesis).

TABLE 1 Sun Blade 6000 Modular System Issues

Issue	Status	Workaround Available?
Hardware Open Issues		
"For Server Modules Running Linux, Load <code>pciehp.ko</code> and Unload <code>acpiphp.ko</code> Before Hot Plugging NEMs or PCIe EMs (7078324)" on page 12	Open	No
"Power Consumption Is Invalid in ILOM if PSU Side Is Under 25A (6438921)" on page 13	Open	Yes

TABLE 1 Sun Blade 6000 Modular System Issues

Issue	Status	Workaround Available?
"NEM LEDs (6713414)" on page 14	Open	No
ILOM Open Issues		
"CMM Resets When Server Module Firmware Is Updated From the CLI (7148752)" on page 22	Open	Yes
"Reset Server Modules Running Oracle ILOM 2.0.3.10 After Updating the CMM to Oracle ILOM 3.0.3.32 (6812532)" on page 23	Open	Yes
"The stop /CH Command in Oracle ILOM 2.0.3.2 is Different Than in Oracle ILOM 2.0.3.1 (6679679)" on page 23	Open	No
"FRU ID Data Correction for Oracle ILOM 2.0.3.1 (6631275)" on page 24	Open	Yes
"Remote Console for Sun Blade X4-2B Server Module SW1.2 Fails When Launched From CMM Web Interface (18962552)" on page 26	Open	Yes
"Resetting the NEM from CMM (7054401)" on page 26	Open	Yes
"IPMItool Might Not Read FRU ID of Power Supply (7029143)" on page 27	Open	No
"CMM Cannot Read Sun Blade X6220 Sensor Readings (6957263)" on page 27	Open	Yes
"Oracle ILOM Service Processor (SP) Lockup (6471005)" on page 28	Open	No
" /CH/BLn/SP/cli/User Command Accepts Invalid Values (6497752)" on page 28	Open	Yes
"startcli Does Not Authenticate LDAP and Radius Users (6526825)" on page 28	Open	Yes
"CMM Does Not Change or Detect Blade's SP (6531753, 6529037)" on page 29	Open	Yes
Fixed in ILOM 3.0.16 (Sun Blade Chassis SW 4.1)		
"Locate LED on AST2100 CMM Might Not Illuminate (6966212)" on page 30	Fixed	Yes
"Sun Blade 6000 Modular System and Sun Blade Storage Module M2 Mixed Configuration Fails With Chassis Power Cycle (6979665)" on page 31	Fixed	Yes
"Incomplete Fault Information for Specific Faults (6939917)" on page 34	Fixed	Yes
"A90-D Chassis Fans Marked Faulty When All Blades Are Off (6956228/2198329)" on page 35	Fixed	No
"TFTP Update of Sun Blade 6000 Ethernet Switched NEM 24p 10GE Firmware From CMM Failed (6977651)" on page 37	Fixed	Yes
"PSU V_3V3 impitool Output Is Incorrect When PSU Is Removed (6981111)" on page 37	Fixed	No
"Load Source CLI Help Text Says Command Failed (6975735)" on page 38	Fixed	No
Fixed in ILOM 3.0.12 (Sun Blade Chassis SW 3.3)		
"Moving the CMM to a Different Chassis Can Cause Incorrect Product Data (6821052)" on page 39	Fixed	Yes

TABLE 1 Sun Blade 6000 Modular System Issues

Issue	Status	Workaround Available?
Fixed in ILOM 3.0.10 (Sun Blade Chassis SW 3.2)		
"Blade Fan Control Improvement (6903302)" on page 39	Fixed	No
"Sun Blade 6000 Virtualized Multi-Fabric 10GbE NEM Powers on When Inserted in Chassis with Oracle ILOM 3.0.6.11 (6894641)" on page 40	Fixed	No
"CMM permitted_power Error Message is Unclear (6863970)" on page 40	Fixed	No
"Resetting Sun Blade 6000 Virtualized Multi-Fabric 10GbE NEM SP from CMM Fails (6865520)" on page 40	Fixed	No
"start /CH or start /CH/NEMx Does Not Warn That Target Is Already Started (6867739)" on page 41	Fixed	No
"Cold Boot of CMM Causes Abnormal Chassis Fan Speed (6876374)" on page 41	Fixed	Yes
"Sun Blade 6000 Virtualized Multi-Fabric 10GbE NEM SP OK-to-Remove LED Is Not Displayed Correctly in the CMM (6878066)" on page 41	Fixed	No
"NEM OK LED Should Have Blinking State (6864854)" on page 41	Fixed	No
Fixed in ILOM 3.0.6.11c (Sun Blade 6000 Chassis SW 3.1.3)		
"CMM Power/OK LED No Longer Works With Oracle ILOM 3.0.3.32 (6869525)" on page 42	Fixed	No
"Low Fan Speed With Certain Blade Servers (6911651)" on page 42	Fixed	No
Fixed in ILOM 3.0.6.11b (Sun Blade 6000 Chassis SW 3.1.2)		
"fru_name for Sun Blade 6000 Ethernet Switched NEM 24P 10GE NEM is not displayed in CMM (6887409)" on page 42	Fixed	No
"The Locate LED of Sun Blade 6000 Ethernet Switched NEM 24P 10GE NEM Does Not Blink Fast When fast_blink Value is Set (6887470)" on page 43	Fixed	No
Fixed in ILOM 3.0.6.11 (Sun Blade 6000 Chassis SW 3.1)		
"Chassis Amber LED Turns on When PSU0 Is Plugged Into the Chassis (6866727)" on page 43	Fixed	No
"Reset Fails for Sun Blade 6000 Virtualized Multi-Fabric 10 GbE NEM (6866739)" on page 43	Fixed	No
"CMM Web Interface Slow Response (6853788)" on page 43	Fixed	No
"PSU Fan Speed Should Run Slower (6853866)" on page 43	Fixed	No
"Need to Include Assembly Number for the CMM (6866148)" on page 44	Fixed	No
Fixed in ILOM 3.0.3.32 (Sun Blade 6000 Chassis SW 3.0)		
"CMM OK LED Turns Off During Boot (6474460)" on page 44	Fixed	No

TABLE 1 Sun Blade 6000 Modular System Issues

Issue	Status	Workaround Available?
"Oracle ILOM CMM SP Does Not Display Current Status Information (6516108)" on page 44	Fixed	No
" /CH/LOCATE Does Not Turn Off When Set to ON Using the Oracle ILOM CLI or ipmitool (6695802)" on page 44	Fixed	No
"Locate LED Does not Turn on During Chassis Lamp Test (6713569, 6711416)" on page 45	Fixed	No
"SP Reports Incorrect FM, NEM, and Server Module Removal and Insertion Events (6744044)" on page 45	Fixed	No
"SP Login Through Web Interface Fails After a New IP Address Is Assigned (6745118)" on page 45	Fixed	Yes
"Cannot Set Netmask When Running Oracle ILOM 2.0.3.10 (6766379)" on page 46	Fixed	Yes
"Stop, Start and Reset Commands are Disabled for the Virtualized NEM in the Sun Blade 6000 CMM (6813859 and 6812683)" on page 46	Fixed	No
Fixed in ILOM 2.0.3.10 (Sun Blade 6000 Chassis SW 2.1)		
"Power LED Does Not Display Until SP Boots (6464862)" on page 47	Fixed	Yes
Fixed in ILOM 2.0.3.3 (Sun Blade 6000 Chassis SW 2.0)		
"SNMP Trap Destination Port Should Be Configurable (6654887)" on page 47	Fixed	No
"The stop /CH Command Lights the Chassis Alert LED (6678328)" on page 47	Fixed	No
"LED Test Mode Causes An SEL Message (6713569)" on page 48	Fixed	No
Fixed in ILOM 2.0.3.2 (Sun Blade 6000 Chassis SW 1.2)		
"Oracle ILOM Reports Different Status Value When PSU is Removed (6530748)" on page 48	Fixed	Yes
"DC Output Power Supply Issue Fixed in Oracle ILOM 2.0.3.2 (6664200)" on page 48	Fixed	No
Fixed in ILOM 2.0.3.1 (Sun Blade 6000 Chassis SW 1.1a)		
"Fan Thresholds Not Read by the CMM and Blades (6513836)" on page 49	Fixed	No
"Removing a Fan Logs Assert and Deassert Events in CMM SEL (6514930)" on page 49	Fixed	No
"CMM NET MGT 1 Port Disabled (6521145)" on page 49	Fixed	No
"Chassis Reports as Powered on When Powered Off (6531040)" on page 50	Fixed	Yes
"SP Allows One CLI Session (6540550)" on page 50	Fixed	Yes
Fixed in ILOM 1.1.6 (Sun Blade 6000 Chassis SW 1.0)		
"Two Connected CMM Gigabit Ethernet Ports Causes Slow Network (6498417)" on page 51	Fixed	No
"PSU I_12V Sensor Reads 2.5 Amps Instead of 0 When Power Cord is Unplugged (6516034)" on page 51	Fixed	Yes

TABLE 1 Sun Blade 6000 Modular System Issues

Issue	Status	Workaround Available?
"BMC Stops Responding and the CPLD Version Displays as 0.0 (6517737)" on page 51	Fixed	Yes
Documentation Open Issues		
"FMods Are Not Supported on the Sun Blade Storage Module M2" on page 53	Open	No
"IPV6 Network Settings Only Available for the A90-D Chassis" on page 53	Open	No
"Incorrect Directory for DHCP IP address in Getting Started Guide (6589651)" on page 53	Open	No
"Incorrect Document Reference in Integrated Lights Out Manager (ILOM) Administration Guide (6595111)" on page 54	Open	No
"URL Clarification for Integrated Lights Out Manager (ILOM) Administration Guide (6596617)" on page 54	Open	No
"Incorrect Note in Integrated Lights Out Manager (ILOM) Administration Guide (6628649)" on page 55	Open	No
"Service Processor Information Missing From Installation Guide (6692159)" on page 55	Open	No
"References to Integrated Lights Out Manager (ILOM) Documentation" on page 56	Open	No
"Power Supply Module Rating Incorrect in Some Documentation" on page 56	Open	No
"Supported Racks List Is Incorrect in Installation Guide" on page 56	Open	No

Hardware Notes and Issues

This chapter describes hardware issues and notes related to the Sun Blade 6000 modular system. It includes the following issues:

- [“Hardware Notes” on page 7](#)
 - [“Hardware Open Issues” on page 11](#)
-

Hardware Notes

This section describes items to note regarding hardware for the Sun Blade 6000 modular system.

- [“Power Supplies Shipped to Korea” on page 8](#)
- [“Server Module Configurations” on page 8](#)
- [“USB 3.0-Compatible Dongle Cable Now Available” on page 8](#)
- [“Identifying Chassis Models” on page 8](#)
- [“New Chassis Available” on page 9](#)
- [“New Power Supplies Available” on page 9](#)
- [“Available Modules” on page 10](#)
- [“Mounting Systems in Square-Hole Racks” on page 10](#)
- [“Rack Shipping Bracket for Sun Rack 1000” on page 11](#)
- [“Empty Slot Requires Filler” on page 11](#)

Power Supplies Shipped to Korea

For individually packaged spare power supplies (AC,A251A,H,12V,5740W) ordered under part number #300-2259 to be compliant with the South Korea KATS safety approval (K60950-1) labeling requirements, they must have Oracle manufacturing part number 7081582 or higher.

Server Module Configurations

Before ordering or installing a server module for a specific modular system configuration, make sure to check the server module and chassis documentation to determine which server modules are supported with which chassis, as well as which other components are compatible with the server module.

USB 3.0-Compatible Dongle Cable Now Available

If you want to connect USB 3.0 devices to the Sun Blade server modules and you have dongle cable 530-3936 (USB 2.0-only), you need to order dongle cable replacement part 7046680 (USB 2.0/3.0).

The enhanced USB dongle cable will support both USB 2.0 and USB 3.0 connectivity; however, the devices will run in 2.0 mode.

Identifying Chassis Models

There are now four models of Sun Blade 6000 modular system available. Refer to the *Sun Blade 6000 Modular System Service Manual* for instructions on how to identify the chassis models that you have.

New Chassis Available

Sun Blade 6000 chassis model 7105379 is now available for the Sun Blade 6000 modular system. The 7105379 chassis and associated components are functionally equivalent to A90-D and meet the requirements for EU Directive 2011/65/EU.

The 7105379 chassis contains the following updated components:

- Chassis monitoring module (CMM)
- Midplane assembly

If you are replacing any of these components, make sure to use the component that is supported for the chassis that you are using. The *Sun Blade 6000 Modular System Service Manual* contains detailed instructions on how to identify the chassis replacement components.

New Power Supplies Available

Model A251A power supplies (PSUs) are now available for the A90-D and 7105379 model chassis. The A251A PSUs are functionally equivalent to A251 PSUs, and it can be used together with a A251 PSU in a chassis.

Note – If you need to replace an *A251* power supply, you can replace it with either another *A251* or an *A251A*. If you need to replace an *A251A* power supply, you must replace it with an *A251A* to maintain current EU safety and compliance requirements.

The following table shows the combination of power supplies and chassis that are compliant with current EU RoHS compliance and safety standards:

Chassis + PSU Combination	EU Directive 2011/65/EU	EN 60950 2nd Edition +A1
A90D chassis + A251 PSU	No	No
A90D chassis + A251A PSU	No	Yes
7105379 chassis + A251 PSU	Yes	No
7105379 chassis + A251A PSU	Yes	Yes

Available Modules

There are a number of server modules, storage modules, PCIe ExpressModules (PCIe EMs), and Network ExpressModules (NEMs) available for the Sun Blade 6000 modular system.

For information on server or storage modules that are available for the Sun Blade 6000 modular system, refer the links for each server or storage module at:

<http://www.oracle.com/us/products/servers-storage/servers/ blades/index.html>

For information on PCIe EMs and NEMs that are available for the Sun Blade 6000 modular system, see:

<https://community.oracle.com/docs/DOC-915297>

You can also view documentation for these modules at:

<http://docs.oracle.com/>

Mounting Systems in Square-Hole Racks

The current version of the *Sun Blade 6000 Rack Alignment Template*, 263-2755-03, contains instructions for mounting systems in a square-hole rack. The original version of the template (263-2755-01) does not contain these instructions.

If you wish to mount your system in a square-hole rack and the 263-2755-03 version of the rack alignment template document was not included with your rail kit, you can view this document on the Sun Blade 6000 modular system documentation page located at:

<http://www.oracle.com/pls/topic/lookup?ctx=sb6000>

Note – If you have an older rail kit (part number 371-2986-01) the brackets are all the same for front and back, so you can ignore references to front and rear brackets in the 263-2755-023 rack alignment template.

If you have trouble mounting the system with the 371-2986-01 rail kit, please contact your Oracle service representative about updating your rack kit.

Rack Shipping Bracket for Sun Rack 1000

If you plan to ship your Sun Blade 6000 modular system installed in a rack, you will need to install the shipping support brackets that are included in the system rail kit.

Note – After the system has been shipped, remove the front shipping bracket support and reinstall the original screws into the rack before operating the system.

For instructions on installing the shipping brackets, refer to the *Installing Shipping Brackets on a Sun Blade 6000 Modular System*, 820-2388, posted on the Sun Blade 6000 modular system documentation site at:

<http://www.oracle.com/pls/topic/lookup?ctx=sb6000>

Empty Slot Requires Filler

Do not operate the system with empty slots. Fillers are required for proper chassis airflow and cooling. Always insert a filler into an empty slot to reduce the possibility of module shut down.

Hardware Open Issues

This section describes hardware issues for the Sun Blade 6000 modular system.

- “For Server Modules Running Linux, Load `pciexp.ko` and Unload `acpiphp.ko` Before Hot Plugging NEMs or PCIe EMs (7078324)” on page 12
- “Power Consumption Is Invalid in ILOM if PSU Side Is Under 25A (6438921)” on page 13
- “NEM LEDs (6713414)” on page 14

For Server Modules Running Linux, Load `pciehp.ko` and Unload `acpiphp.ko` Before Hot Plugging NEMs or PCIe EMs (7078324)

Do the following procedure to enable hot plug for any server module running a Linux OS before removing the module from the chassis.

1. Disable `acpiphp` using one of the following methods:

- Add the following to `/etc/modprobe.conf` or `/etc/modprobe.conf.local`:
"install acpiphp /bin/true"
- Issue the following command:
echo "install acpiphp /bin/true" >> /etc/modprobe.conf

2. Do one of the following:

- To enable a single hot-plug action, do one of the following, depending on the version of Linux:
 - For OEL/RHEL 5.x, issue the following commands:
echo modprobe pciehp >> /etc/rc.modules
chmod +x /etc/rc.modules
 - For SLES, in `/etc/sysconfig/kernel`, change:
`MODULES_LOADED_ON_BOOT=""`
to
`MODULES_LOADED_ON_BOOT="pciehp"`
 - For OL/RHEL 6.x, `pciehp` is built in, so you do not need to take any action.
- To enable the hot plug feature permanently, use the following command:
modprobe pciehp

Power Consumption Is Invalid in ILOM if PSU Side Is Under 25A (6438921)

This could result in missing information in the ILOM CLI and web interface. The following readings will occur if the power supply current is less than 25 Amps:

- If any side of an installed power supply unit (PSU) is drawing less than 25 Amps of current, the `ch.dc_watts` and `ch.ac_watts` IPMI sensors will show "disabled" when viewed with `ipmitool`.
- The IPMI sensors `psx.dc_watts`, `psx.ac_watts` and `psx.peff` will also show "disabled"; where x is the PSU that has a side drawing less than 25 Amps.
- If any of the above conditions are true, such that chassis watts cannot be calculated, actual power cannot be calculated.

You will get the following output when you type the **show** command in CLI:

```
show /CMM/powermgmt  
actual_power = (none)
```

Workaround

You can determine the amount of current a PSU side is drawing by reading the `/CH/PSx/Sy/I_12V`; where $x=0..1$ (PSU) and $y=0..1$ (PSU side).

If using the CLI, you can determine the amount of current a PSU is drawing by typing:

```
show /CH/PSx/Sy/I_12V
```

Where $x= 0..1$ (PSU) and $y = 0..1$ (PSU side).

NEM LEDs (6713414)

The following tables show LED behavior for 10/100/1000 MB Ethernet LEDs for Sun Blade 6000 network express modules (NEMs). The LED color can be different, depending on the server module that is using the Ethernet port.

The LED speeds shown in the table are defined below:

- Standby blink—The system is functioning at a minimal level and is ready to resume full function. Defined as a repeating sequence consisting of 0.1 second On followed by 2.9 seconds Off.
- Blink—Transitory or new activity represented by the colored indicator is taking place. Defined as 1Hz @50% duty cycle.

Server Module	10/100 MB (RJ45 Connector)		1 GbE (RJ45 Connector)	
	Left Activity LED	Right Link LED	Left Activity LED	Right Link LED
X6220	Green blink	Amber standby	Green blink	Green standby
X6240	Green blink	Amber standby	Green blink	Green standby
X6250	Green blink	Amber standby	Green blink	Green standby
X6270	Green blink	Amber standby	Green blink	Green standby
X6270 M2	Green blink	Amber standby	Green blink	Green standby
X6275	Green blink	Amber standby	Green blink	Green standby
X6275 M2	Green blink	Amber standby	Green blink	Green standby
X6450	Green blink	Amber standby	Green blink	Green standby
T6300	Green blink	Green standby	Green blink	Amber standby
T6320	Green blink	Green standby	Green blink	Amber standby
T6340	Green blink	Amber standby	Green blink	Green standby
SPARC T3-1B	Green blink	Amber standby	Green blink	Green standby

Note – See the chassis and NEM documentation for specifics on the Ethernet connections available for each NEM.

Oracle ILOM Notes and Issues

This chapter describes the Oracle Integrated Lights Out Manager (ILOM) service processor updates and issues.

This chapter includes the following sections:

- [“Software Release Notes” on page 15](#)
- [“Updating Oracle ILOM Firmware” on page 21](#)
- [“Oracle ILOM Documentation” on page 22](#)
- [“Oracle ILOM Open Issues” on page 22](#)
- [“Fixed Oracle ILOM Issues” on page 29](#)

Software Release Notes

Make sure that you download the software release that is supported with your chassis model. For information on determining which chassis model that you have, refer to the *Sun Blade 6000 Modular System Service Manual*.

This section describes information specific to the software releases available for Sun Blade 6000 modular system.

The following software releases are available:

- [“CMM Software 4.x Releases for A90-D and 7105379 Chassis” on page 16](#)
- [“CMM Software 3.x Releases for A90-A/B Chassis” on page 18](#)

CMM Software 4.x Releases for A90-D and 7105379 Chassis

The following sections describe the updates for each of the 4.x software releases:

- “CMM Software 4.2.5 Notes” on page 16
- “CMM Software 4.2.4 Notes” on page 16
- “CMM Software 4.2.3 Notes” on page 16
- “CMM Software 4.2.2 Notes” on page 16
- “CMM Software 4.2.1 Notes” on page 17
- “CMM Software 4.2 Notes” on page 17
- “CMM Software 4.1 Notes” on page 17
- “CMM Software 4.0 Notes” on page 17

CMM Software 4.2.5 Notes

CMM software 4.2.5 (Oracle ILOM 3.1.1.10.e) provides bug fixes for several minor issues for the A90-D and 7105379 chassis. Refer to the Read Me file included with the download for information about firmware component compatibility with this release.

CMM Software 4.2.4 Notes

CMM software 4.2.4 (Oracle ILOM 3.1.1.10.d) provides a fix for bug 18285751 (Java 7u51 requirements for RIAs). Refer to the Read Me file included with the download for information about firmware component compatibility with this release.

CMM Software 4.2.3 Notes

CMM software 4.2.3 (Oracle ILOM 3.1.1.10.c) provides bug fixes for several minor issues for the A90-D and 7105379 chassis. Refer to the Read Me file included with the download for more information about which issues are fixed.

CMM Software 4.2.2 Notes

CMM software 4.2.2 (Oracle ILOM 3.1.1.10.b) provides bug fixes for several minor issues for the A90-D and 7105379 chassis. Refer to the Read Me file included with the download for more information about which issues are fixed.

CMM Software 4.2.1 Notes

CMM software 4.2.1 (Oracle ILOM 3.1.1.10.a) provides bug fixes for several minor issues for the A90-D chassis. Refer to the Read Me file included with the download for more information about which issues are fixed.

CMM Software 4.2 Notes

Chassis monitoring module (CMM) software 4.2 (Oracle ILOM 3.1.1.10) includes several changes to the Web interface and CLI.

For detailed information about Oracle ILOM 3.1.x, refer to the Oracle ILOM 3.1 documentation library at:

<http://www.oracle.com/pls/topic/lookup?ctx=ilom31>

Server modules that have Oracle ILOM 3.0 installed, are supported in a chassis that has been upgraded to Oracle ILOM 3.1.x.

Note – If you are using a 3.0.x server module or a 3.0.x CMM, use the 3.0 Oracle ILOM documentation. If you are using a 3.1.x server module or 3.1.x CMM, use the 3.1 Oracle ILOM documentation.

CMM Software 4.1 Notes

Chassis monitoring module (CMM) software 4.1 (Oracle ILOM 3.0.16) includes the following new features:

- Support for Oracle 8-digit FRU part numbers
- Improved thermals with more efficient system fan control
- Improved power management
- Fixed issues as described in “[Issues Fixed in SW 4.1](#)” on page 30.

CMM Software 4.0 Notes

CMM software 4.0 (Oracle ILOM 3.0.12) provides support for the Sun Blade 6000 modular system A90-D chassis. SW 4.0 is not supported on the A90-B chassis.

The A90-D chassis requires a minimum of SW 4.0, so do not update the CMM with any previous versions.

The following additional features are supported in this release for the Sun Blade 6000 modular system A90-D chassis:

- Components specific to the A90-D chassis (CMM, midplane, fans, and power supplies)
- Support for Sun Blade X6275 M2 server module
- Support for IPv6 network protocol in the A90-D chassis.

Note – IPv6 is not supported for the A90-B chassis.

Refer to the *Oracle Integrated Lights Out Manager CMM Administration Guide* for more information about configuring the IPv6 network protocol.

CMM Software 3.x Releases for A90-A/B Chassis

The following sections describe the updates for each of the 3.x software releases:

- [“CMM Software 3.3.9 Notes” on page 18](#)
- [“CMM Software 3.3.8 Notes” on page 19](#)
- [“CMM Software 3.3.7 Notes” on page 19](#)
- [“CMM Software 3.3.6 Notes” on page 19](#)
- [“CMM Software 3.3.5 Notes” on page 19](#)
- [“CMM Software 3.3.2 Notes” on page 19](#)
- [“CMM Software 3.3 Notes” on page 19](#)
- [“CMM Software 3.2.2 Notes” on page 20](#)
- [“CMM Software 3.2.1 Notes” on page 20](#)

CMM Software 3.3.9 Notes

CMM software 3.3.9 (Oracle ILOM 3.0.12.11.h) provides a fix for Bug 19880886 (Bash Shellshock Command Injection Vulnerability) for the A90-A/B chassis. Refer to the Read Me file included with the download for information about firmware component compatibility with this release.

CMM Software 3.3.8 Notes

CMM software 3.3.8 (Oracle ILOM 3.0.12.11.g) provides a fix for bug 18287369 (Java 7u51 requirements for RIAs) for the A90-A/B chassis. Refer to the Read Me file included with the download for information about firmware component compatibility with this release.

CMM Software 3.3.7 Notes

CMM software 3.3.7 (Oracle ILOM 3.0.12.11.f) provides bug fixes for several minor issues for the A90-A/B chassis. Refer to the Read Me file included with the download for more information about which issues are fixed.

CMM Software 3.3.6 Notes

CMM software 3.3.6 (Oracle ILOM 3.0.12.11.e) provides bug fixes for several minor issues for the A90-A/B chassis. Refer to the Read Me file included with the download for more information about which issues are fixed.

CMM Software 3.3.5 Notes

CMM software 3.3.5 (Oracle ILOM 3.0.12.11.d) provides bug fixes for several minor issues for the A90-A/B chassis. Refer to the Read Me file included with the download for more information about which issues are fixed.

CMM Software 3.3.2 Notes

CMM software 3.3.2 (Oracle ILOM 3.0.12.11.a) is now available. This software releases fixes several chassis issues. Refer to the Read Me file included with the download for more information about which issues are fixed.

CMM Software 3.3 Notes

CMM software 3.3 (Oracle ILOM 3.0.12) provides support for the SPARC T3-1B server module. This software release also provides several bug fixes. See [“Issues Fixed in SW 3.3” on page 38](#) for more information.

CMM Software 3.2.2 Notes

CMM software release 3.2.2 (Oracle ILOM 3.0.10.15b) is required for SGX-SAS6-REM-Z support on the Sun Blade X6270 M2 server module.

Additional firmware updates are also required for SAS-2 NEMs and storage modules. Refer to the component documentation for more information.

CMM Software 3.2.1 Notes

The following CMM Software 3.2.1 notes are included in this section:

- [“SAS-2 Chassis Environment” on page 20](#)
- [“Sun Blade Zone Manager” on page 21](#)

SAS-2 Chassis Environment

Starting with CMM software release 3.2.1 (Oracle ILOM 3.0.10.15a), you can now upgrade your Sun Blade 6000 modular system chassis storage assignments to enable SAS-2 capable server modules, storage modules and NEMs.

You must have the following hardware and firmware installed in the chassis to enable SAS-2 storage assignments between a server module and storage module.

- SAS-2 capable RAID Expansion Module (REM) installed on the server module. The following server modules can be enabled for SAS-2 operation with a SAS REM installed:
 - Sun Blade X6270 M2
 - Sun Blade T6320
 - Sun Blade T6320 M2
 - Sun Blade T6340
- Sun Blade Storage Module M2
- Sun Blade 6000 Virtualized 10 GbE Multi-Fabric M2 NEM
- At least CMM Oracle ILOM 3.0.10.15a (software release 3.2.1) must be installed on the Sun Blade 6000 modular system CMM.
- Server modules must have a minimum Oracle ILOM version installed to be SAS-2 enabled. See the server module documentation for details.

Refer to server module, storage module, and NEM documentation for availability and additional requirements for these SAS-2 components.

Note – A SAS-2 enabled server module can also work in a chassis with SAS-1 storage modules and NEMs, but SAS expander firmware must be at the correct level. See the *SAS-1/SAS-2 Compatibility Upgrade Guide for the Sun Blade 6000 Modular System* for more information.

Sun Blade Zone Manager

Sun Blade Zone Manager is an Oracle ILOM-based application that allows you to assign storage devices from a Sun Blade 6000 storage module to SAS-2 capable server modules. Sun Blade Zone Manager is available in Oracle ILOM 3.0.10.15a (SW 3.2.1) and later. See the *Oracle Integrated Lights Out Manager (ILOM) CMM Administration Guide for Sun Blade 6000 and Sun Blade 6048 Modular Systems*.

Updating Oracle ILOM Firmware

The best practice is to use the latest released firmware for all Sun Blade 6000 modular system components. The current release, and most recent previous release, are tested and available at from My Oracle Support.

You can access specific software releases from:

<http://www.oracle.com/technetwork/systems/patches/firmware/release-history-jsp-138416.html>

Oracle tests each new hardware component and firmware update for existing modules against other chassis components that are using the latest available firmware and the prior revision. Oracle recommends that all components use the latest available firmware or the prior version.

To use the full functionality of Oracle ILOM 3.x, the server modules must also be updated to Oracle ILOM 3.x. However, Oracle ILOM 3.x is not required for the server modules to operate in a Oracle ILOM 3.x CMM chassis. Refer to your server module documentation for available Oracle ILOM versions. This document also contains information about known issues with Oracle ILOM version compatibility.

For instructions on updating the firmware, refer to the Oracle ILOM documentation for the Oracle ILOM version that is running on your system.

Oracle ILOM Documentation

The *Oracle Integrated Lights Out Manager 3.x Supplement for Sun Blade 6000 Modular System* has specific Oracle ILOM 3.x information for the Sun Blade 6000 modular system.

Additional Oracle ILOM documentation is available in the Oracle ILOM documentation libraries:

www.oracle.com/goto/ilom/docs

Oracle ILOM Open Issues

The following issues apply to the Sun Blade 6000 modular system Oracle ILOM:

- [“Issues Specific to Oracle ILOM 3.0.12.11.d”](#) on page 22
- [“Issues Specific to Oracle ILOM 3.0.3.32”](#) on page 23
- [“Issues Specific to Oracle ILOM 2.0.3.2”](#) on page 23
- [“Issues Specific to Oracle ILOM 2.0.3.1”](#) on page 24
- [“General Oracle ILOM Issues”](#) on page 26

Issues Specific to Oracle ILOM 3.0.12.11.d

The issues in this section are specific to the Oracle ILOM 3.0.12.11d on the Sun Blade 6000 modular system.

CMM Resets When Server Module Firmware Is Updated From the CLI (7148752)

The service processor resets itself when the server module firmware is updated from the CMM CLI `/CH/BLx/SP/cli_level`. This problem is caused by the CMM hardware limitation.

Workaround

Update the server module firmware from blade CLI, rather than the CMM CLI.

Issues Specific to Oracle ILOM 3.0.3.32

The issues in this section are specific to the Oracle ILOM 3.0.2.32 on the Sun Blade 6000 modular system.

Reset Server Modules Running Oracle ILOM 2.0.3.10 After Updating the CMM to Oracle ILOM 3.0.3.32 (6812532)

When updating the CMM Oracle ILOM firmware from 2.0.3.10 to 3.0.3.32, the share sensor ID is changed, so a server module running Oracle ILOM 2.x cannot read the share sensor correctly.

Workaround

When the CMM is updated to Oracle ILOM 3.0, reset all server module SPs that are running Oracle ILOM 2.x.

Issues Specific to Oracle ILOM 2.0.3.2

The issues in this section are specific to the Oracle ILOM 2.0.3.2 on the Sun Blade 6000 modular system.

The `stop /CH` Command in Oracle ILOM 2.0.3.2 is Different Than in Oracle ILOM 2.0.3.1 (6679679)

The following commands have new functionality for Oracle ILOM 2.0.3.2:

■ **stop /CH**

This command now defaults to graceful shutdown, instead of a forced shutdown, of the system. The CMM will attempt to contact all the server modules and shut them down gracefully. If it cannot shut the server modules down, it reports back an error.

■ **stop /CH -force**

This command causes a forced shutdown, which is the same as the Oracle ILOM 2.0.3.1 version of **stop /CH**.

Issues Specific to Oracle ILOM 2.0.3.1

The issues in this section are specific to the Oracle ILOM 2.0.3.1 on the Sun Blade 6000 modular system.

FRU ID Data Correction for Oracle ILOM 2.0.3.1 (6631275)

Software 1.1 for the Sun Blade 6000 modular system contains a build of Oracle ILOM 2.0.3.1 with a serious bug. Upgrading to this Oracle ILOM version causes some FRU data to be lost. Because of this, software 1.1 has been withdrawn and replaced by software 1.1a.

If you *have not* yet upgraded to the Oracle ILOM provided with software 1.1, this issue does not affect you. Simply discard any copies of software 1.1 and obtain software 1.1a which contains Oracle ILOM firmware with the fix.

If you *have* upgraded to the Oracle ILOM provided with software 1.1, you must install the Oracle ILOM firmware provided with software 1.1a. Doing so will both remove the bug and recover some of the FRU data that was previously not viewable. The remaining FRU data must be re-entered manually.



Caution – If you have installed the Oracle ILOM firmware included in Software 1.1 *do not downgrade to an older version of the Oracle ILOM firmware*. Doing so will prevent any of the lost data from being recovered. The only recovery mechanism is to install the Oracle ILOM build provided with Software 1.1a.

Identifying your Oracle ILOM Firmware

You can identify your Oracle ILOM firmware using the Oracle ILOM CLI or web interface:

- From the CLI, enter the `version` command.
- From the web interface, bring up the System Information/Versions tab.

In the information you obtain, find the Firmware Version (just “Firmware” in the CLI) and Firmware Build Number. Depending on the values you obtain, you should take one of the following actions:

- If the Firmware Version is 2.0.3.1 and the Firmware Build Number is 23240, then you have installed the Oracle ILOM firmware included in Software 1.1. You must install the replacement Oracle ILOM firmware in Software 1.1a and re-enter some lost data, as described in [“Lost FRU Data and How To Fix It” on page 25](#)

- If the Firmware Version is 2.0.3.1 and the Firmware Build Number is 26140, then you have already installed the Oracle ILOM firmware included in Software 1.1a. No further action is required.
- If you downgraded from Firmware Version 2.0.3.1 to Firmware Version 1.1.x with any build number, you will must install the replacement Oracle ILOM firmware in Software 1.1a. You must then re-enter the FRU ID data that was lost as described in [“Lost FRU Data and How To Fix It”](#) on page 25.

Lost FRU Data and How To Fix It

The Oracle ILOM bug causes the following FRU data to be lost:

- Product Part Number
- Product Serial Number
- Chassis Serial Number

You can recover the Product Part Number and Product Serial Number by installing the Oracle ILOM firmware provided with Software 1.1a. If you downgraded the Oracle ILOM after observing the problem, Product Part Number and Product Serial Number must be re-entered manually.

The Chassis Serial Number will not be recovered with the Software 1.1a update and must be re-entered in any case.

Note – Contact Oracle service for information on how to create a Sun service account.

Follow these steps to re-enter the lost FRU data:

1. Use SSH to log in to the “sunservice” Oracle ILOM account. From the Oracle Solaris OS or Linux command line:

```
ssh -l sunservice ipaddress
```

where *ipaddress* is the service processor IP address.

2. Enter one of the following commands.

- If you only need to enter the chassis serial number, type:

```
servicetool --fru_chassis_serial_number
```

- If you need to re-enter all three corrupted FRU values, type:

```
servicetool --fru_product_part_number  
--fru_product_serial_number --fru_chassis_serial_number
```

3. Enter the FRU ID numbers when prompted.

General Oracle ILOM Issues

The issues in this section are not specific to one Oracle ILOM version.

Remote Console for Sun Blade X4-2B Server Module SW1.2 Fails When Launched From CMM Web Interface (18962552)

The Remote Console for Sun Blade X4-2B server module SW1.2 fails when you launch it as follows:

1. **Log in to CMM ILOM from the browser.**
2. **Choose your X4-2B server module from "Manage Menu" at the top left corner.**
3. **Press "Launch Remote Console".**

This affects all CMM firmware SW3.3.9/SW4.2.5 and earlier.

Workaround

To access the Sun Blade X4-2B Server Module (SW 1.2), bypass the CMM and do the following:

1. **Access the server module service processor (SP) directly using the SP IP address.**
2. **Start a Remote Console session.**

Resetting the NEM from CMM (7054401)

In order to ensure safe and reliable network operation, and continuation of PCIe/SAS IO expander services for Sun Blade servers installed in Sun Blade 6000 chassis, the CMM ILOM has implemented the behavior described in this section.

For some network express module (NEM) types, the CMM ILOM can reset the NEM service processor (SP) only if NEM is in one of the following states:

- standby
- ready-to-remove

If the NEM is in any other state, the CMM will report a failure in resetting the NEM. See the following example:

```
-> reset /CH/NEM0/SP
```

```
Are you sure you want to reset /CH/NEM0/SP (y/n)? y
Performing hard reset on /CH/NEM0/SP
Performing hard reset on /CH/NEM0/SP failed
reset: Cannot perform the requested operation yet; please try
again later.
```

This applies to the following NEM types:

- 710090 - Sun Blade 6000 Virtualized 40 GbE Network Express Module
- X4338A - Sun Blade 6000 Virtualized Multi-Fabric 10GE Network Express Module M2
- X4238A - Sun Blade 6000 Virtualized Multi-Fabric 10GbE Network Express Module

Workaround

To reset the NEM SP, login to NEM service processor and perform the reset from the individual NEM SP.

For example:

```
[NEM0/SP]-> reset /SP
Are you sure you want to reset /SP (y/n)? y
```

```
Performing reset on /SP
```

Refer to the NEM documentation for more information.

IPMItool Might Not Read FRU ID of Power Supply (7029143)

The FRU ID information for the A251 power supply unit is too long for IMPItool to read. The FRU ID reading for this component might be incorrect or missing. This issue only affects the A251 power supply in the A90-D model chassis.

CMM Cannot Read Sun Blade X6220 Sensor Readings (6957263)

When the CMM is at software version 3.x and the Sun Blade X6220 server module is at 2.x, the sensor readings for the blade are not readable through the CMM.

Note – The Sun Blade X6220 server module is not capable of measuring its own power, so the VPS parameter is not readable, regardless of the blade’s Oracle ILOM version.

Workaround

Update the Sun Blade X6220 server module to SW 3.x (Oracle ILOM 3.x or later).

Oracle ILOM Service Processor (SP) Lockup (6471005)

The Oracle ILOM SP may in rare circumstances stop responding on serial management port. You can avoid this issue by choosing one of the following workarounds to reset and restart the SP:

- Use the `ipmitool BMC reset cold` subcommand
- Use the Oracle ILOM CLI `reset /SP` command.
- Use the Oracle ILOM Web interface maintenance tab.

`/CH/BLn/SP/cli/User Command Accepts Invalid Values (6497752)`

The `/CH/BLx/SP/cli/` user command accepts invalid values.

Workaround

Insert a valid user name in user property field.

`Startcli Does Not Authenticate LDAP and Radius Users (6526825)`

When an LDAP or radius user tries to authenticate, authentication is not allowed:

Workaround

To authenticate LDAP and radius user, and connect as the desired user, use the root login then set the CLI `user` property to allow remote connection.

CMM Does Not Change or Detect Blade's SP (6531753, 6529037)

The CMM might not allow you to change or detect the blade IP address. To change the IP address, connect to the blade service processor, then use the blade's service processor Oracle ILOM interfaces to update and display the IP address.

There are several methods available to access the blade Oracle ILOM, use one of the following workarounds:

Workaround

- From the blade server, use the IPMI KCS interface.
- From a network host, use the IPMI protocol and management network.
- From the Oracle ILOM CLI, use `ssh` and the management network.
- From the CMM Oracle ILOM CLI, use the following `start` command:

```
start /CH/BLn/SP/cli
```

Fixed Oracle ILOM Issues

The issues fixed in a specific software release are listed in this section. The issues are listed under the software (SW) release that provides a fix for the issue. Some of the issues were found in a particular software update.

- ["Issues Fixed in SW 4.1" on page 30](#)
- ["Issues Fixed in SW 3.3" on page 38](#)
- ["Issues Fixed in SW 3.2" on page 39](#)
- ["Issues Fixed in SW 3.1.3" on page 42](#)
- ["Issues Fixed in SW 3.1.2" on page 42](#)
- ["Issues Fixed in SW 3.1" on page 43](#)
- ["Issues Fixed in SW 3.0" on page 44](#)
- ["Issues Fixed in SW 2.1" on page 47](#)
- ["Issues Fixed in SW 2.0" on page 47](#)
- ["Issues Fixed in SW 1.2" on page 48](#)
- ["Issues Fixed in SW 1.1a" on page 49](#)
- ["Issues Fixed in SW 1.0" on page 51](#)

Issues Fixed in SW 4.1

Locate LED on AST2100 CMM Might Not Illuminate (6966212)

This issue only applies to the A90-D chassis. This issue was introduced in SW 4.0 and fixed in Oracle ILOM 4.1.

The Locate LED on the CMM might not illuminate when either the Locate button is pressed or the LED is turned on through the Oracle ILOM Web or CLI interface.

Workaround

The chassis Locate LED or NEM Locate LED can also be used to identify the CMM location.

You can use the Locate button to illuminate the LEDs:

- When you press the CMM Locate button, the chassis LED on front of the system is also illuminated.
- When you press the NEM Locate LED in the same chassis, you can use the NEM LED to help locate the CMM from the back of the chassis.

Refer to the *Sun Blade 6000 Server Module Service Manual* or NEM documentation for information on locating the Locate buttons and LEDs.

You can also use the Oracle ILOM CLI or Web interface to illuminate the NEM LEDs:

- Illuminate the NEM Locate LED with the following CLI command:

```
-> set /CH/NEMx/LOCATE value=Fast_Blink
```

where NEMx is NEM0 or NEM1.

- Turn off the NEM Locate LED with the following CLI command:

```
-> set /CH/NEMx/LOCATE value=Off
```

where NEMx is NEM0 or NEM1.

Refer to the *Oracle Integrated Lights Out Manager (Oracle ILOM) 3.0 Web Interface Procedure Guide* for information on turning about the LEDs using the Web interface.

Sun Blade 6000 Modular System and Sun Blade Storage Module M2 Mixed Configuration Fails With Chassis Power Cycle (6979665)

This issue applies to both the A90-B and the A90-D chassis. This issue was introduced in SW 4.0 and fixed in Oracle ILOM 4.1.

In the Sun Blade 6000 chassis with Sun Blade Storage Module M2, if you cycle chassis power from the CMM using the `stop /CH` and `start /CH` commands, one or more of the following components might be diagnosed with a fault, even though the component is not faulty:

- Sun Blade Storage Module M2
- Sun Blade 6000 Virtualized Multi-Fabric 10GE NEM M2

You will notice faults as follows in the CLI:

- You might not be able to enable Sun Storage Zoning Manager in the Web interface, and the Web interface reports that the correct components installed are not installed for Sun Zoning Manager.
- The top-level chassis fault LED is shown as On, as shown in the following example:

```
-> show /CH/SERVICE/
/CH/SERVICE
  Targets:
  Properties:
    type = Indicator
    ipmi_name = SERVICE
    value = On
  Commands:
    cd
    show
```

- Sun Blade Storage Module M2 blades are shown as faulty. In the following example, the Storage Module is in slot 9:

```

-> show faulty

```

Target	Property	Value
/CMM/faultmgmt/0	fru	/CH/BL9
/CMM/faultmgmt/0/ faults/0	class	fault.chassis.device.fail
/CMM/faultmgmt/0/ faults/0	sunw-msg-id	SPX86-8000-1D
/CMM/faultmgmt/0/ faults/0	uuid	71d3e729-1cc1-e237-c8f9-8bd53cb3 35c1
/CMM/faultmgmt/0/ faults/0	timestamp	2010-08-24/12:29:02
/CMM/faultmgmt/0/ faults/0	detector	/CH/BL9/ERR
/CMM/faultmgmt/0/ faults/0	fru_part_number	511-1365-02
/CMM/faultmgmt/0/ faults/0	fru_serial_number	00000000
/CMM/faultmgmt/0/ faults/0	chassis_serial_number	0000000-0000000000

- If the Sun Blade 6000 Virtualized Multi-Fabric 10GE NEM M2 is inserted, it might also be shown as faulty. In this example NEM is in slot 0:

Target	Property	Value
/CMM/faultmgmt/1	fru	/CH/NEM0
/CMM/faultmgmt/1/ faults/0	class	fault.chassis.sas.comm.fail
/CMM/faultmgmt/1/ faults/0	sunw-msg-id	---
/CMM/faultmgmt/1/ faults/0	uuid	bb253f8c-b5d7-614a-e569-e3880036 eb27
/CMM/faultmgmt/1/ faults/0	timestamp	2010-08-24/01:40:11
/CMM/faultmgmt/1/ faults/0	fru_part_number	540-7961-02
/CMM/faultmgmt/1/ faults/0	chassis_serial_number	0000000-0000000000

- The Sun Blade 6000 Virtualized Multi-Fabric 10GE NEM M2 Properties displays `fault_state = Faulted`. In this example, the NEM is in slot 0:

```
-> show /CH/NEM0 -d properties
/CH/NEM0
Properties:
    type = Network Express Module
    ipmi_name = NEM0
    system_identifier = dt214-124
    fru_name =SUN BLADE 6000 VIRTUALIZED MULTI-FABRIC 10GE NEM M2
    fru_version = FW 3.0.10.16, SAS 5.3.6.0
    fru_part_number = 540-7961-02
    fru_extra_1 = FW 3.0.10.16, SAS 5.3.6.0
    fault_state = Faulted
    load_uri = (none)
    clear_fault_action = (none)
    prepare_to_remove_status = NotReady
    prepare_to_remove_action = (none)
    return_to_service_action = (none)
```

Workaround

1. Cycle chassis power from the CMM CLI with the following commands:

```
-> stop /CH
-> start /CH
```



Caution – This will reset all power to the blades and impact the OS running on the blades. This is a service interruption.

2. Clear the faults on the Sun Blade 6000 Virtualized Multi-Fabric 10GE NEM M2 and Sun Blade Storage Module M2.

In the following examples, the NEM is in Slot 0 and the blade storage module is in slot 9:

```
-> set /CH/NEM0 clear_fault_action=true
-> set /CH/BL9 clear_fault_action=true
```

3. Type the following command:

```
-> show faulty
```

- If no faults are shown for the Sun Blade 6000 Virtualized Multi-Fabric 10GE NEM M2 or Sun Blade 6000 Multi-Fabric M2, then the workaround was successful.
- If the components are still faulty, repeat Steps 1-3.

4. If the components are still faulty after repeating Steps 1-3 three times, continue to Step 5.
5. Cycle AC power to the PSUs by doing one of the following:
 - Physically remove both PSUs from the chassis, then insert them back into chassis
 - Unplug all power cords from the PSUs, then plug all power cords back into the PSUs.
6. Clear the faults on the Sun Blade 6000 Virtualized Multi-Fabric 10GE NEM M2 and Sun Blade Storage Module M2.

In the following example, the NEM is in slot 0 and the storage module is in slot 9:

```
-> set /CH/NEM0 clear_fault_action=true  
-> set /CH/BL9 clear_fault_action=true
```
7. Type the following command:

```
-> show faulty
```

If no faults are shown for the Sun Blade 6000 Virtualized Multi-Fabric 10GE NEM M2 or Sun Blade Storage Module M2, then the workaround was successful.
8. If components are still faulty, contact your authorized service provider.

Incomplete Fault Information for Specific Faults (6939917)

This issue was introduced in SW 4.0 and fixed in Oracle ILOM 4.1.

The following chassis faults do not have Knowledge Articles available.

- `fault.chassis.power.undervoltage`
- `fault.chassis.sas.comm.fail`

When you drill down to `/CMM/faultmgmt/` to review these faults, the `sunw-msg-id` field will contain `---`. For example:

```
-> show /CMM/faultmgmt/3/faults/0

/CMM/faultmgmt/3/faults/0
Targets:

Properties:
  class = fault.chassis.power.undervoltage
  sunw-msg-id = ---
  uuid = e1075377-f774-4ac2-e60a-a002d28851a8
  timestamp = 2010-09-15/18:44:16
  fru_part_number = 300-1802-06
  fru_serial_number = 1762TH1-0742000216
  chassis_serial_number = CSN0000-0000000000
```

Workaround

If Oracle ILOM displays the `fault.chassis.power.undervoltage` fault, this indicates that the specified PSU might be in need of repair or replacement.

If Oracle ILOM displays the `fault.chassis.sas.comm.fail` fault, this indicates a SAS communication error fault between the CMM and storage blades or NEMs. Determine whether there are any problems associated with the blade or NEM with which the CMM is failing to communicate.

If either of these two faults persist, or you require assistance replacing one of the failed components, contact your authorized service provider.

A90-D Chassis Fans Marked Faulty When All Blades Are Off (6956228/2198329)

This issue applies only to the A90-D chassis. This issue was introduced in SW 4.0 and fixed in Oracle ILOM 4.1.

When all the blades in the Sun Blade 6000 M2 chassis are powered off, the fan modules will be set to an rpm value which is interpreted as a fault. In these cases, the fans will typically reduce the speed of one fan in the module to zero, while maintaining a constant setting for the second fan in the module.

It is safe to ignore cases when a fan is marked faulty and the power has been removed from all blades in the chassis. The fault should clear itself automatically when power is restored to the blades. If the fault persists, the fans may require service.

From the Oracle ILOM CLI, the fault can be seen from the fault management section as shown in the following example:

```
-> show /CMM/faultmgmt/2/faults/0

/CMM/faultmgmt/2/faults/0
  Targets:

  Properties:
    class = fault.chassis.device.fail
    sunw-msg-id = ---
    uuid = 3a0f9102-7a3a-6951-aab4-d1b56bc49705
    timestamp = 2010-09-16/23:06:01
    detector = /CH/FM1/ERR
    chassis_serial_number = CSN0000-0000000000
```

One of the two fans within the fan module will typically show a value of zero as with /CH/FM1/F1/TACH in the example below.

```
-> show /CH/FM1/F0/TACH

/CH/FM1/F1/TACH
  Targets:

  Properties:
    type = Fan
    ipmi_name = FM1/F0/TACH
    class = Threshold Sensor
    value = 1630.000 RPM

-> show /CH/FM1/F1/TACH

/CH/FM1/F1/TACH
  Targets:

  Properties:
    type = Fan
    ipmi_name = FM1/F1/TACH
    class = Threshold Sensor
    value = 0.000 RPM
```

Although the fans are functioning normally, the Oracle ILOM fault handler will report a fault due to the rpm value being below the minimal expected range.

TFTP Update of Sun Blade 6000 Ethernet Switched NEM 24p 10GE Firmware From CMM Failed (6977651)

This issue applies to both the A90-B and A90-D chassis. This issue was introduced in SW 4.0 and fixed in Oracle ILOM 4.1.

Updating the Sun Blade 6000 Ethernet Switched NEM 24p 10GE firmware from the CMM sometimes fails when the tftp protocol is used as with the following example:

```
-> set load_uri=  
tftp://10.182.92.28/sp/Sun_Blade_6000_Ethernet_Switched_NEM_24p_1  
0GE.pkg  
set: Component firmware update failed.
```

Workaround

Use an alternate protocol such as ftp, http, or sftp.

The following example uses ftp:

```
-> set load_uri=  
ftp://root:abc123@10.182.92.28//tftpboot/sp/Sun_Blade_6000_Ethern  
et_Switched_NEM_24p_10GE.pkg  
Load successful.
```

PSU V_3V3 ipmitool Output Is Incorrect When PSU Is Removed (6981111)

This issue was introduced in SW 4.0 and fixed in Oracle ILOM 4.1.

Output from the ipmitool sdr elist command shows V_3V3 readings of 0 Volts for a PSU that is not installed. For example, if PS1 is removed from the chassis and the ipmitool sdr elist command is invoked, the following might appear:

63	PS1/T_AMB	95h	ns	10.1	Disabled
64	PS1/V_12V	98h	ns	10.1	Disabled
65	PS1/V_3V3	9Ah	ok	10.1	0 Volts
66	PS1/I_3V3	94h	ns	10.1	Disabled
67	PS1/V_3V3_ERR	99h	ns	10.1	Disabled

Since PS1 is not present, the correct display for PS1/V_3V3 is:

65	PS1/V_3V3	9Ah	ns	10.1	Disabled
----	-----------	-----	----	------	----------

The V_3V3 reading can be ignored and is not indicative of any Oracle ILOM errors or faults.

Load Source CLI Help Text Says Command Failed (6975735)

This issue was introduced in SW 4.0 and fixed in Oracle ILOM 4.1.

When the `-h` flag for help is specified with the Oracle ILOM shell `load` command, it displays `load: Command Failed` at the end of the usage options. For example:

```
-> load -h
The load command transfers a file from a remote location specified
by the URI and updates the given target.
Usage: load [-o verbose] [-force] [-script] -source <URI> [target]
Available options for this command:
-script : do not prompt for yes/no confirmation and act as if yes
was specified
-source : specify the location to get a file
-force (-f) : override internal checks and load requested file.
-output (-o) verbose : display extensive information
load: Command Failed
```

The `load: Command Failed` message can be safely ignored when the `load` command is invoked with the `-h` option, as `load` in this scenario does not attempt to install an image and the `Command Failed` message is erroneous.

If this message is seen without the `-h` option, it indicates a failure to load and install an image. The user options displayed by the `-h` flag are otherwise correct.

Issues Fixed in SW 3.3

The following issue is fixed in software release 3.3.

Note – Additional issues that were fixed in SW 3.3 are listed in a ReadMe that is included with the software download.

Moving the CMM to a Different Chassis Can Cause Incorrect Product Data (6821052)

If the CMM is replaced or moved to a different chassis, the first time Oracle ILOM boots an incorrect host name or product serial number might appear.

Workaround

After Oracle ILOM boots, reset the CMM with one of the following:

- CLI: Execute the **reset /CH/CMM** command.
- Web interface:
 - a. **Log in to the Oracle ILOM Web interface as an Administrator or Operator.**
 - b. **Navigate to the CMM Maintenance tab.**
 - If you are running Oracle ILOM 3.x, first click CMM in the left column to display the Maintenance tab.
 - If you are running Oracle ILOM 2.x, the Maintenance tab is viewable on the main page.
 - c. **Click the Reset Components sub-tab and select /CH/CMM.**

The CMM reboots with the correct product information.

Issues Fixed in SW 3.2

Blade Fan Control Improvement (6903302)

When a Sun Blade 6000 chassis or 6048 shelf is powered on, the fan speed quickly ramps up from minimum speed to maximum speed, then ramps down to minimum speed. This does not allow enough time for the fans to cool the blades, so the fan speed ramps back up again, which causes a fan speed oscillation effect.

Fix Applied in SW 3.2 (Oracle ILOM 3.0.10)

The CMM steps up the fans one step every 40 seconds (so there's a slower ramp-up time), and decreases fan speeds one step every two minutes to allow appropriate temperature adjustment of all blades.

The following algorithm is also applied to the fan actions. Starting from number 1 in the list, the first condition that is true determines the fan speeds:

1. If at least one blade is at a critical temperature level, then blast fans.
2. If at least one blade is at a hot temperature level, then fan speeds increase.
3. If at least one blade is at a cool temperature level, then fan speeds are lowered
4. If at least one blade is at normal level, then fans are held at current speed.
5. If none of the preceding conditions are true, the blades are powered off, so the fans are turned off.

Sun Blade 6000 Virtualized Multi-Fabric 10GbE NEM Powers on When Inserted in Chassis with Oracle ILOM 3.0.6.11 (6894641)

This issue was introduced in Oracle ILOM 3.0.6.11 and fixed in Oracle ILOM 3.0.10.

When a NEM is hot plugged into a powered on chassis, the NEM should not power on until the ATTN button is pushed. With Oracle ILOM 3.0.6.11, the Sun Blade 6000 Virtualized Multi-Fabric 10GbE NEM powers on when inserted in the chassis and before the ATTN button is pressed.

CMM `permitted_power` Error Message is Unclear (6863970)

This issue was fixed in Oracle ILOM 3.0.10.

When the blade is already powered on, you should not be able to set its `permitted_power` to a value lower than what is currently already allocated to it. The error message that appears on both the CLI and web interface when you attempt to allocate a lower power value should be more descriptive of the reason why the power level is not permitted.

Resetting Sun Blade 6000 Virtualized Multi-Fabric 10GbE NEM SP from CMM Fails (6865520)

This issue was introduced in Oracle ILOM 3.0.6.11 and fixed in Oracle ILOM 3.0.10.

When trying to reset the Sun Blade 6000 Virtualized Multi-Fabric 10GbE NEM SP from the CMM, the reset does not work.

start /CH or start /CH/NEMx Does Not Warn That Target Is Already Started (6867739)

This issue was fixed in Oracle ILOM 3.0.10.

When trying to start a target that has already been started, the following message should appear:

```
start: Target already started
```

This message does not appear when `start /CH` or `start /CH/NEMx` is attempted when the target has already been started.

Cold Boot of CMM Causes Abnormal Chassis Fan Speed (6876374)

This issue was fixed in Oracle ILOM 3.0.10.

Booting the chassis by unplugging and plugging in the AC power causes the fans to run at an abnormal speed.

Workaround

Execute the following commands to return the fan speed to normal:

```
stop /CH
```

```
start /CH
```

Sun Blade 6000 Virtualized Multi-Fabric 10GbE NEM SP OK-to-Remove LED Is Not Displayed Correctly in the CMM (6878066)

This issue was fixed in Oracle ILOM 3.0.10.

When the OK-to-Remove LED is pressed on the Sun Blade 6000 Virtualized Multi-Fabric 10GbE NEM, the `NEMx/OK2RM` value in the CMM is still set to OFF.

NEM OK LED Should Have Blinking State (6864854)

This issue was fixed in Oracle ILOM 3.0.10.

The CMM requires that the NEM light the OK status LED in order to be viewed as powered up and operational. The LED should signal the status of the switch itself and only light the LED when it is operational and blink when the switch is not operational or in some transitional state.

Issues Fixed in SW 3.1.3

CMM Power/OK LED No Longer Works With Oracle ILOM 3.0.3.32 (6869525)

This issue was found in Oracle ILOM 3.0.3.32 and fixed in Oracle ILOM 3.0.6.11.

After upgrading the Sun Blade 6000 modular system CMM to Oracle ILOM version 3.0.3.32, the CMM Power/OK LED does not turn on.

Low Fan Speed With Certain Blade Servers (6911651)

This issue was fixed in Oracle ILOM 3.0.6.11.

With Sun Blade X6275 (and possibly Sun Blade X6270) blades, the chassis fan speed can run as low as 1800 RPM, even when the blades are powered on.

With CMM Oracle ILOM 3.0.3.11.c (SW 3.1.3), the CMM sets the fans to a minimum speed of approximately 2000 RPM.

Issues Fixed in SW 3.1.2

fru_name for Sun Blade 6000 Ethernet Switched NEM 24P 10GE NEM is not displayed in CMM (6887409)

This issue was fixed in Oracle ILOM 3.0.6.11b.

When using the `show /CH/NEM[0|1]` command from the CMM Oracle ILOM, the name for the Sun Blade 6000 Ethernet Switched NEM 24P 10GE NEM is not displayed in the `fru_name` field.

The Locate LED of Sun Blade 6000 Ethernet Switched NEM 24P 10GE NEM Does Not Blink Fast When `fast_blink` Value is Set (6887470)

This issue was fixed in Oracle ILOM 3.0.6.11b.

After typing the `set /CH/NEM0/LOCATE value=fast_blink` command from the CMM, the LOCATE LED for the NEM does not blink as fast as expected.

Issues Fixed in SW 3.1

Chassis Amber LED Turns on When PSU0 Is Plugged Into the Chassis (6866727)

This issue was fixed in Oracle ILOM 3.0.6.11.

Sometimes, the chassis amber LED lights when a power supply is plugged into the PS0 slot.

Reset Fails for Sun Blade 6000 Virtualized Multi-Fabric 10 GbE NEM (6866739)

When trying to reset the Sun Blade 6000 Virtualized Multi-Fabric 10 GbE Network Express Module from the Sun Blade 6000 modular system CMM, the NEM is left in a powered off state, however, the NEM STATE value is running.

CMM Web Interface Slow Response (6853788)

This issue was fixed in Oracle ILOM 3.0.6.11.

When the chassis contains blades that do not run Oracle ILOM, displaying blade information through the CMM web interface can be slow.

PSU Fan Speed Should Run Slower (6853866)

This issue was fixed in Oracle ILOM 3.0.6.11.

Power supply fan speeds should be adjusted to run slower when the chassis power is off or less than half the blade slots are populated

Refer to the *Oracle Integrated Lights Out Manager (Oracle ILOM) CMM Administration Guide* for information on lowering the PSU fan speed.

Need to Include Assembly Number for the CMM (6866148)

This issue was fixed in Oracle ILOM 3.0.6.11.

The CMM assembly product number should be displayed in Product Number field for the CMM FRU device description.

Issues Fixed in SW 3.0

CMM OK LED Turns Off During Boot (6474460)

This issue was found in Oracle ILOM 2.0.3.10 and fixed in Oracle ILOM 3.0.3.32.

The CMM OK LED which is located on the CMM front panel lights up for approximately one minute before turning off whenever the CMM is inserted into chassis or chassis AC is completely power cycled.

Oracle ILOM CMM SP Does Not Display Current Status Information (6516108)

This issue was fixed in Oracle ILOM 3.0.3.32.

The Oracle ILOM CMM service processor does not report current detailed power supply or fan status information. When a PSU fan is removed, the CLI and IPMITool does not report this change. To determine fan or power supply status information, you should check the following objects:

- /CH/PSx/V*
- /CH/PSx/V_12V_MAIN
- /CH/PSx/FAN_FAIL

/CH/LOCATE Does Not Turn Off When Set to ON Using the Oracle ILOM CLI or ipmitool (6695802)

This issue was fixed in Oracle ILOM 3.0.3.32.

/CH/LOCATE does not turn off when set to ON/Fast_Blink using ipmitool or CLI. However, when the chassis Locate LED button is pressed, it times out and goes off after 30 minutes as expected.

Locate LED Does not Turn on During Chassis Lamp Test (6713569, 6711416)

This issue was fixed in Oracle ILOM 3.0.3.32.

When running Oracle ILOM 2.0.3.3, if you press the locate button more than 5 seconds to initiate the lamp LED test, the LED does not turn on and a “transition to degraded” message appears in the SEL log.

SP Reports Incorrect FM, NEM, and Server Module Removal and Insertion Events (6744044)

This issue was found in Oracle ILOM 2.0.3.10 and fixed in Oracle ILOM 3.0.3.32.

The SP reports fan module (FM), network express module (NEM), and server module blade (BL) removal and insertion event logs repeatedly, though no insertion or removal has taken place.

SP Login Through Web Interface Fails After a New IP Address Is Assigned (6745118)

This issue was fixed in Oracle ILOM 3.0.3.32.

If you change the CMM IP address in the SP web interface, you cannot log in to the web interface using the new IP address. You can only log in to the CLI interface.

Workaround

If you change the CMM IP address in the web interface, you must log in to the CLI interface to reconfigure the IP address, then log in to the web interface with the new IP address.

To change the IP address in the Oracle ILOM CLI:

1. Log in to the Oracle ILOM CLI.

2. Type the following commands to set the SP working directory:

```
cd /CMM/network
```

3. Type the **show** command to view the IP address assigned.

4. Type the following commands to change the existing settings.

```
set pendingipaddress=ipaddress
```

Where *ipaddress* is the new IP address.

For more information about configuring the IP address in the web interface, refer to the *Oracle Integrated Lights Out Manager User's Guide* for the version of Oracle ILOM that you are running.

Cannot Set Netmask When Running Oracle ILOM 2.0.3.10 (6766379)

This issue was found in Oracle ILOM 2.0.3.10 and fixed in Oracle ILOM 3.0.3.32.

If you are running Oracle ILOM version 2.0.3.10, you will not be able to set the CMM netmask through the CMM Oracle ILOM.

Workaround

To set the netmask, you can manually edit the `/conf/interfaces` file using the `sunservice` account or the Linux **ifconfig** command.

```
ifconfig eth0 netmask AA.BB.CC.DD
```

where *AA.BB.CC.DD* is the desired subnet mask (for example 255.255.0.0).

Stop, Start and Reset Commands are Disabled for the Virtualized NEM in the Sun Blade 6000 CMM (6813859 and 6812683)

This issue was fixed in Oracle ILOM 3.0.3.32.

The **stop /CH/NEM x** , **start /CH/NEM x** and **reset /CH/NEM x** commands for the Sun Blade 6000 Virtualized Multi-Fabric 10 GbE NEM (Virtualized NEM) have been disabled in the CMM.



Caution – Disruption of host operation: Do not attempt to reset the Virtualized NEM SP, as it can cause a reset of the entire NEM, which disrupts host operation for all blades using the NEM.

Issues Fixed in SW 2.1

Power LED Does Not Display Until SP Boots (6464862)

This issue was fixed in Oracle ILOM 2.0.3.10.

The front panel power LED does not power on immediately.

Workaround

Oracle ILOM service processor bootup sequence takes approximately one minute. You should wait for this boot process to complete, then reexamine the LEDs.

Issues Fixed in SW 2.0

SNMP Trap Destination Port Should Be Configurable (6654887)

This issue was fixed in Oracle ILOM 2.0.3.3.

It should be possible to specify, per alert rule, what the destination port of the trap should be. Currently it is hard coded.

The `stop /CH` Command Lights the Chassis Alert LED (6678328)

This issue was fixed in Oracle ILOM 2.0.3.3.

When using the `stop /CH` command, the chassis Power/OK LED goes into standby state, and the chassis alert LED also lights. This will only happen if the `stop /CH` command is successful. If the graceful shutdown does not occur, the alert LED will not light.

LED Test Mode Causes An SEL Message (6713569)

When running a test on a Sun Blade 6000 Disk Module or Sun Blade 6000 Multi-Fabric Network Express Module, a message similar to the following is displayed in the SEL:

```
8e00 | 06/11/2008 | 14:19:49 | Module/Board nem1.state | Transition  
to Degraded
```

```
8f00 | 06/11/2008 | 14:20:01 | Module/Board nem1.state | Transition  
to Running
```

These messages can be safely ignored.

Issues Fixed in SW 1.2

Oracle ILOM Reports Different Status Value When PSU is Removed (6530748)

This issue was fixed in Oracle ILOM 2.0.3.2.

When a power supply unit (PSU) is removed from the chassis, the PSU status might report different values in the `/CH/PSN ILOM CM CLI` objects.

Workaround

If a power supply is removed, and you receive a report of different PSU status values, you can safely ignore information displayed in the `/CH/PSN ILOM CM CLI` objects.

DC Output Power Supply Issue Fixed in Oracle ILOM 2.0.3.2 (6664200)

This issue was found in Oracle ILOM 1.1.6 and fixed in Oracle ILOM 2.0.3.2.

CMM Oracle ILOM service processor provides monitoring and management of chassis power supplies. In certain circumstances, the power supply kill signal is being asserted, which causes DC output of the power supply to stop.

Update your firmware to Oracle ILOM version 2.0.3.2 in software release 1.2 to fix this issue.

Issues Fixed in SW 1.1a

Fan Thresholds Not Read by the CMM and Blades (6513836)

This issue was fixed in Oracle ILOM 2.0.3.1.

The Oracle ILOM service processor does not report threshold information that is not used or controlled by the service processor. Therefore, fan and power supply threshold values cannot be read by the CMM and blades.

Removing a Fan Logs Assert and Deassert Events in CMM SEL (6514930)

This issue was fixed in Oracle ILOM 2.0.3.1.

When a fan is removed or installed, an assert and deassert event is logged for each event in the IPMI SEL log. The example below shows the assert and deassert event messages displayed when the fan is removed or installed:

```
After fan is removed:

 100 | 01/18/2007 | 23:53:17 | Fan fm0.fail | Predictive Failure
Deasserted
 200 | 01/18/2007 | 23:53:17 | Fan fm0.fail | Predictive Failure
Asserted

After fan is installed:

 100 | 01/18/2007 | 23:53:17 | Fan fm0.fail | Predictive Failure
Deasserted
 200 | 01/18/2007 | 23:53:17 | Fan fm0.fail | Predictive Failure
Asserted
 300 | 01/18/2007 | 23:54:12 | Fan fm0.fail | Predictive Failure
Deasserted
```

These messages can be safely ignored.

CMM NET MGT 1 Port Disabled (6521145)

This issue was fixed in Oracle ILOM 2.0.3.1.

NET MGT 1 Port which is the Ethernet port of the CMM will be disabled by default. NET MGT 1 Port will be delivered disabled because of the inability to guarantee the setup of your network, if your network is not configured properly using this port can cause network degradation.

Future software upgrades will allow for either port to be connected, and possibly both ports to be enabled if the certain features of the network can be guaranteed.

Chassis Reports as Powered on When Powered Off (6531040)

This issue was fixed in Oracle ILOM 2.0.3.1.

The chassis reports as powered on when it is powered off.

Workaround

Reset the CMM, then retry the operation again.

SP Allows One CLI Session (6540550)

This issue was fixed in Oracle ILOM 2.0.3.1.

The Oracle ILOM CMM service processor only allows a single remote Oracle ILOM CLI session to be started via the `/CH/BLN/SP/cli` object at a time. If an existing CLI session is active and a second CLI session is initiated, an error message might display.

Workaround

To avoid this issue, you should use `ssh` from a remote system to initiate additional sessions to a remote Oracle ILOM, or use the following command to terminate the current session.

```
stop /CH/BLN/SP/cli
```

Issues Fixed in SW 1.0

Two Connected CMM Gigabit Ethernet Ports Causes Slow Network (6498417)

This issue was fixed in Oracle ILOM 1.1.6.

The network might be slow when both CMM gigabit Ethernet ports are connected to the same network switch.

PSU I₁_12V Sensor Reads 2.5 Amps Instead of 0 When Power Cord is Unplugged (6516034)

This issue was fixed in Oracle ILOM 1.1.6.

When the power chords to PS0 is removed, the CMM I₁_12V sensor on S1 side reads 2.5 Amps. On the S0 side it correctly reads 0 Amps.

Workaround

You can safely ignore these readings.

BMC Stops Responding and the CPLD Version Displays as 0 . 0 (6517737)

This issue was fixed in Oracle ILOM 1.6.6.

The BMC might intermittently stop responding, and the CPLD version displays 0 . 0. If this issue should arise, you should perform the following steps:

Workaround

- Reset the service processor.
- Retry the Oracle ILOM flash upgrade.
- Power on the server.

Documentation Issues

This chapter describes issues related to the Sun Blade 6000 modular system documentation.

FMods Are Not Supported on the Sun Blade Storage Module M2

The *Oracle Integrated Lights Out Manager CMM Administration Guide for Sun Blade 6000 and 6048 Modular Systems* might contain information on assigning FMods to server blades in the Sun Blade Zone Manager. FMods are not supported on the Sun Blade Storage Module M2, so these FMod assignments are not available in the Sun Blade Zone Manager.

IPV6 Network Settings Only Available for the A90-D Chassis

The *Sun Blade 6000 Modular System Installation Guide* and the *Oracle Integrated Lights Out Manager CMM Administration Guide for Sun Blade 6000 and 6048 Modular Systems* both contain instructions for configuring IPV6 network settings for the Sun Blade 6000 Modular System. IPV6 is only available for Sun Blade 6000 Modular System A90-D chassis and is not available for earlier versions of the chassis.

Incorrect Directory for DHCP IP address in Getting Started Guide (6589651)

In the *Sun Blade 6000 Modular System Getting Started Guide*, 820-0427-10, page 5, the directory shown for accessing the DHCP IP address is incorrect.

Step 5 in the “Using DHCP to Initially Assign All IP Addresses” section and Step 3 in the “Assigning a Static IP Address to a CMM Through a Serial Connection” section incorrectly state that the network directory for the CMM is `/CH/network`.

The correct directory path is `/CMM/network`.

Incorrect Document Reference in Integrated Lights Out Manager (ILOM) Administration Guide (6595111)

In the *Integrated Lights Out Manager (ILOM) Administration Guide for the Sun Blade 6000 Modular System*, 820-0052-10, the document incorrectly states that information on resetting the ILOM password with a jumper is available in the *Sun Blade 6000 Modular System Installation Guide*. This information is not available in the Installation Guide.

The instructions for resetting the ILOM password are below.

Note – See the *Sun Blade 6000 Modular System Service Manual* for instructions in removing and installing the chassis management module (CMM) from the chassis.

1. Remove the CMM from the chassis.
2. Install a jumper on pin J1101.
3. Reinstall the CMM into the chassis and allow the CMM to boot up completely.
This will change the password back to the default password: `changeme`
4. Remove the CMM from the chassis again.
5. Remove jumper that you installed in [Step 2](#).
6. Reinstall the CMM into the chassis.
7. Use the password `changeme` when logging back into the CMM ILOM.

URL Clarification for Integrated Lights Out Manager (ILOM) Administration Guide (6596617)

In the *Integrated Lights Out Manager (ILOM) Administration Guide for the Sun Blade 6000 Modular System*, 820-0052-10, there are several references to the following command:

load -source URL

The URL used in this command must be in `tftp` format. For example:

```
tftp://zbank/ah27901/CMM-P0-rom.pkg
```

The `http` format will not work for this command.

Incorrect Note in Integrated Lights Out Manager (ILOM) Administration Guide (6628649)

Page 5-6 of the *Integrated Lights Out Manager (ILOM) Administration Guide For the Sun Blade 6000 Modular System*, 820-0052-10, has the following note:

Note – The upgrade takes about five minutes. During this time, no other tasks can be performed in the CMM.

ILOM. A successful firmware causes the CMM ILOM to reboot.

A firmware upgrade causes the server and the CMM ILOM to be reset. It is recommended that a clean shutdown of the server be done prior to the upgrade procedure.

An upgrade takes about 6 minutes to complete. The CMM ILOM enters a special mode to load new firmware. No other tasks can be performed in the CMM ILOM until the firmware upgrade is complete and the CMM ILOM is reset.

The last two statements are incorrect. The server will not be reset during a CMM firmware upgrade.

Service Processor Information Missing From Installation Guide (6692159)

It is possible to set the service processors for the server modules with different subnet IP addresses than the IP address of the chassis CMM.

This information is not included in the Installation Guide, but will be added to the next update of the document.

References to Integrated Lights Out Manager (ILOM) Documentation

You will need to reference specific documentation for the ILOM, depending on what ILOM version you are using.

- If you are using ILOM version 1.x refer to the *Integrated Lights Out Manager (ILOM) Administration Guide for the Sun Blade 6000 Modular System*.
- If you are using ILOM version 2.0, refer to the *Integrated Lights Out Manager 2.0 User's Guide*.
- If you are using ILOM version 3.0, refer to the Oracle Integrated Lights Out Manager (ILOM) 3.0 Documentation Collection.

All documents are posted on the product documentation site:

<http://www.oracle.com/pls/topic/lookup?ctx=sb6000>

Power Supply Module Rating Incorrect in Some Documentation

Some of the Sun Blade 6000 modular system documentation states that the power supply modules are rated at 6000W. The correct wattage is 5600W.

Supported Racks List Is Incorrect in Installation Guide

The list of racks that support Sun Blade 6000 modular system is incorrect in the *Sun Blade 6000 Modular System Installation Guide*, 820-0050-10, page 5 of the PDF version.

The Sun StorEdge 72-inch expansion cabinet is not supported for Sun Blade 6000 modular system installation.

This will be corrected in a future version of the document.