

# Sun Blade 6048 Modular System

## Product Notes



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# Using This Documentation

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This document describes hardware issues, software issues, and documentation issues for Oracle's Sun Blade 6048 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.

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## Product Downloads

Product downloads are available at:

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

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**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, then the Sun Blade 6000 CMM to the latest firmware, using ILOM CLI, GUI, or IPMI interfaces.

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## Related Documentation

The Sun Blade 6000 modular system documentation is available at

<http://download.oracle.com/docs/cd/E19926-01/index.html>

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## Documentation, Support, and Training

Function	URL
Documentation	<a href="http://www.oracle.com/technetwork/indexes/documentation/index.html">http://www.oracle.com/technetwork/indexes/documentation/index.html</a>
Support	<a href="https://support.oracle.com">https://support.oracle.com</a>
Training	<a href="https://education.oracle.com">https://education.oracle.com</a>

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## Documentation Feedback

Provide feedback on this documentation at:

<http://www.oracle.com/surveys/se.ashx?s=25113745587BE578>.

# Fixed and Open Issues

This chapter contains a table of the fixed and open issues for the Sun Blade 6048 modular system. Each issue contains a link to a further description of the issue.

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 6048 Modular System Issues

Issue	Status	Workaround Available?
<b>Hardware Open Issues</b>		
<a href="#">“Important Caution for Chassis Midplane Replacement” on page 9</a>	Open	No
<a href="#">“NEM LEDs (6713414)” on page 11</a>	Open	Yes
<a href="#">“Power Supply Connections (6615994) (6576346)” on page 11</a>	Open	Yes
<a href="#">“Power Supply Watt Meter Feature Not Available for A231 Power Supplies (6614183)” on page 12</a>	Open	Yes
<a href="#">“Power Consumption Is Invalid in ILOM if PSU Side Is Under 25A (6438921)” on page 12</a>	Open	Yes
<b>ILOM Open Issues</b>		
<a href="#">“ILOM 3.0.6.11 Requires Both Power Supplies to Be Powered Up (6874117)” on page 18</a>	Open	Yes
<a href="#">“ILOM 3.0.3.32 Displays Power Assert/Deassert Errors in Event Log (6865366)” on page 19</a>	Open	No
<a href="#">“Reset Server Modules Running ILOM 2.0.3.10 After Updating the CMM to ILOM 3.0.3.32 (6813351)” on page 19</a>	Open	Yes

**TABLE 1** Sun Blade 6048 Modular System Issues

<b>Issue</b>	<b>Status</b>	<b>Workaround Available?</b>
"Moving the CMM to a Different Chassis Can Cause Incorrect Product Data (6821052)" on page 19	Open	Yes
"Cannot Set Netmask When Running ILOM 2.0.3.10 (6766379)" on page 20	Open	Yes
"Locate LED Does Not Turn on During Chassis Lamp Test (6713569, 6711416)" on page 21	Open	Yes
"The stop /CH Command in ILOM 2.0.3.2 is Different Than in ILOM 2.0.3.1 (6679679)" on page 21	Open	No
"/CH/LOCATE Does Not Turn Off When Set to ON Using the ILOM CLI or ipmitool (6695802)" on page 21	Open	No
"SP Login Through Web GUI Fails After a New IP Address Is Assigned (6745118)" on page 22	Open	Yes
"SP Reports Incorrect FM, NEM, and Server Module Removal and Insertion Events (6744044)" on page 22	Open	No
"The Tempfail LED and Service LED On the Rear of the Chassis Functionality Is Switched (6745875)" on page 22	Open	No
<b>Fixed in ILOM 3.0.10 (Sun Blade Chassis SW 3.2)</b>		
"Blade Fan Control Improvement (6903302)" on page 23	Fixed	No
"CMM permitted_power Error Message is Unclear (6863970)" on page 24	Fixed	No
"start /CH or start /CH/NEMx Does Not Warn That Target Is Already Started (6867739)" on page 24	Fixed	No
"Cold Boot of CMM Causes Abnormal Chassis Fan Speed (6876374)" on page 25	Fixed	
"NEM OK LED Should Have Blinking State (6864854)" on page 25	Fixed	No
<b>Fixed in ILOM 3.0.6.11c (Sun Blade 6000 Chassis SW 3.1.3)</b>		
"CMM Power/OK LED No Longer Works With ILOM 3.0.3.32 (6869525)" on page 25	Fixed	No
"Low Fan Speed With Certain Blade Servers (6911651)" on page 26	Fixed	No
<b>Fixed in ILOM 3.0.6.11b (Sun Blade 6000 Chassis SW 3.1.2)</b>		
"ILOM 3.0.3.32 Displays Incorrect Power Failures in Event Log With Certain PSU Firmware (6865366)" on page 26	Fixed	No
<b>Fixed in ILOM 3.0.6.11 (Sun Blade 6000 Chassis SW 3.1)</b>		
"Chassis Amber LED Turns on When PSU0 Is Plugged Into the Chassis (6866727)" on page 26	Fixed	No
"CMM Web Interface Slow Response (6853788)" on page 26	Fixed	No
"PSU Fan Speed Should Run Slower (6853866)" on page 27	Fixed	No
"Need to Include Assembly Number for the CMM (6866148)" on page 27	Fixed	No

**TABLE 1** Sun Blade 6048 Modular System Issues

<b>Issue</b>	<b>Status</b>	<b>Workaround Available?</b>
<b>Fixed in ILOM 3.0.3.32 (Sun Blade 6000 Chassis SW 3.0)</b>		
<a href="#">“CMM OK LED Turns Off During Boot (6474460)” on page 27</a>	Fixed	No
<a href="#">“ILOM CMM SP Does Not Display Current Status Information (6516108)” on page 28</a>	Fixed	No
<a href="#">“/CH/LOCATE Does Not Turn Off When Set to ON Using the ILOM CLI or ipmitool (6695802)” on page 28</a>	Fixed	No
<a href="#">“Locate LED Does not Turn on During Chassis Lamp Test (6713569, 6711416)” on page 28</a>	Fixed	No
<a href="#">“SP Reports Incorrect FM, NEM, and Server Module Removal and Insertion Events (6744044)” on page 28</a>	Fixed	No
<a href="#">“SP Login Through Web Interface Fails After a New IP Address Is Assigned (6745118)” on page 29</a>	Fixed	Yes
<a href="#">“Cannot Set Netmask When Running ILOM 2.0.3.10 (6766379)” on page 29</a>	Fixed	No
<a href="#">“Stop, Start and Reset Commands are Disabled for the Virtualized NEM in the Sun Blade 6000 CMM (6813859 and 6812683)” on page 30</a>	Fixed	No
<b>Fixed in ILOM 2.0.3.10 (Sun Blade 6000 Chassis SW 2.1)</b>		
<a href="#">“Power LED Does Not Display Until SP Boots (6464862)” on page 30</a>	Fixed	No
<b>Fixed in ILOM 2.0.3.3 (Sun Blade 6000 Chassis SW 2.0)</b>		
<a href="#">“The stop /CH Command Lights the Chassis Alert LED (6678328)” on page 31</a>	Fixed	No
<a href="#">“SNMP Trap Destination Port Should Be Configurable (6654887)” on page 31</a>	Fixed	No
<b>Documentation Open Issue</b>		
<a href="#">“Service Processor Information Missing From Installation Guide (6692166)” on page 33</a>	Fixed	No



## Hardware Notes and Issues

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This chapter describes hardware issues related to the Sun Blade 6048 modular system. It includes the following issues:

- [“Hardware Notes” on page 5](#)
  - [“Hardware Issues” on page 9](#)
- 

## Hardware Notes

This section describes items to note regarding hardware for the Sun Blade 6048 modular system.

- [“Sun Blade 6048 Modular System 2U Expansion Module Specifications” on page 6](#)
- [“Upgraded Chassis and Midplane Available” on page 6](#)
- [“Supported Modules” on page 8](#)
- [“Cabinet Doors Must Remain Closed During System Operation” on page 8](#)
- [“Power Supply Redundancy” on page 8](#)

# Sun Blade 6048 Modular System 2U Expansion Module Specifications

The Sun Blade 6048 Modular System 2U Expansion Module is an option that can be installed on top of the 6048 modular system chassis to add additional 2U space. Components installed in the expansion module must weigh less than 100 lbs and provide front-to-back cooling.

The Expansion Module was designed primarily to support standard 19-inch networking switches. Refer to the server's release notes for guidance as to whether or not a specific server is supported in the Expansion Module.

## Upgraded Chassis and Midplane Available

An upgraded chassis and midplane upgrade kit are now available for the Sun Blade 6048 modular system.

The upgraded chassis is configured to enable installation of the Sun Cooling Door 5200 and 5600, and includes a PCIe 2.0-compliant midplane. The manufacturing part number for the upgraded chassis is 594-5971.

The midplane upgrade kit includes a PCIe 2.0 midplane that can be installed in the current chassis. The manufacturing part number for the upgraded midplane is 541-3542. For instructions on installing the midplane, see the *Sun Blade 6048 Modular System Service Manual* at:

<http://docs.sun.com/app/docs/prod/blade.6048mod>

Instructions on how to install the cooling doors are available in the documentation that is included with the door.

## Identifying the PCIe 2.0 Midplane

To determine which midplane you have installed in the chassis, check the FRU ID information through the ILOM CLI or Web interface.

See the *Sun Integrated Lights Out Manager User's Guide* for more information on viewing component information.

### ▼ View Component Information Using the CLI

**1. Log in to the ILOM CLI as an Administrator or Operator.**

**2. At the command prompt, type:**

```
-> show /CH
```

The manufacturing part number will be displayed in the `fru_part_number` field.

- If the part number is 541-3542-0x, the upgraded PCIe 2.0 midplane is installed.
- If the part number is 541-2445-0x, the previous version of the PCIe midplane is installed.

### ▼ View Component Information Using the Web Interface

**1. Log in to the ILOM web interface as an Administrator or Operator.**

**2. Select System Information --> Components.**

The Component Management page appears.

**3. Click on /CH in the Component Management Status table.**

A dialog box appears with information about the chassis.

The midplane manufacturing part number will be displayed in the `fru_part_number` field.

- If the part number is 541-3542-0x, the upgraded PCIe 2.0 midplane is installed.
- If the part number is 541-2445-0x, the previous version of the PCIe midplane is installed.

## Supported Modules

For information on server modules and storage modules (blades) that are supported by the Sun Blade 6048 modular system, refer the links for each server module at:

<http://www.sun.com/servers/blades/6048chassis/>

For information on PCIe ExpressModules (PCIe EMs) and PCIe Network Express Modules (NEMs) that are supported by the Sun Blade 6048 modular system, see:

<http://www.sun.com/servers/blades/optioncards.jsp>

You can also view documentation for these modules at:

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

## Cabinet Doors Must Remain Closed During System Operation

Please read the following caution regarding door of the Sun Blade 6048 modular system cabinet:



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**Caution** – To comply with the legal limits for electromagnetic interference (EMI) emissions, the front *and* rear cabinet doors must remain closed during normal operation of the product. The doors should be opened only temporarily for servicing operations.

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## Power Supply Redundancy

Plug the cords for each power supply in the Sun Blade 6048 shelf into different power sources to provide redundant power for the system, in case one power source becomes unavailable.

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# Hardware Issues

This section describes hardware issues for the Sun Blade 6048 modular system.

- [“Important Caution for Chassis Midplane Replacement” on page 9](#)
- [“NEM LEDs \(6713414\)” on page 11](#)
- [“Power Supply Connections \(6615994\) \(6576346\)” on page 11](#)
- [“Power Supply Watt Meter Feature Not Available for A231 Power Supplies \(6614183\)” on page 12](#)
- [“Power Consumption Is Invalid in ILOM if PSU Side Is Under 25A \(6438921\)” on page 12](#)

## Important Caution for Chassis Midplane Replacement

When replacing a chassis midplane, follow the sequence listed below to avoid damage to the midplane. Refer to the *Sun Blade 6048 Modular System Service Manual* for detailed instructions on removing and installing a midplane.

To replace the chassis midplane:

1. Remove the chassis midplane.
2. Pull off the gasketing material attached to the left and right sides of the chassis.  
See [FIGURE 2-1](#) and [FIGURE 2-2](#) for the positions of the gasketing material in the chassis.
3. Install the new midplane.  
Do not re-install the gasketing material.

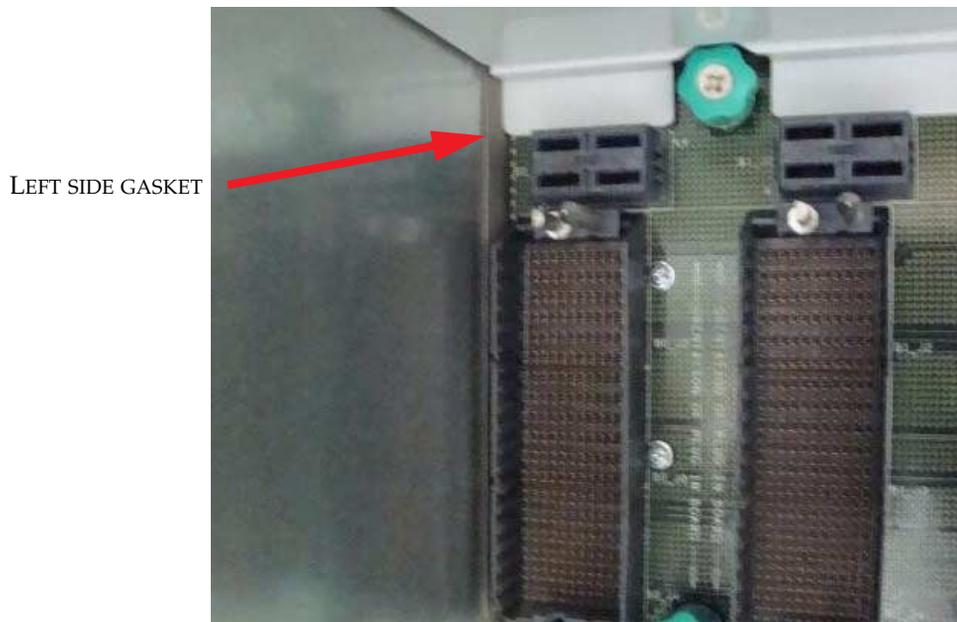


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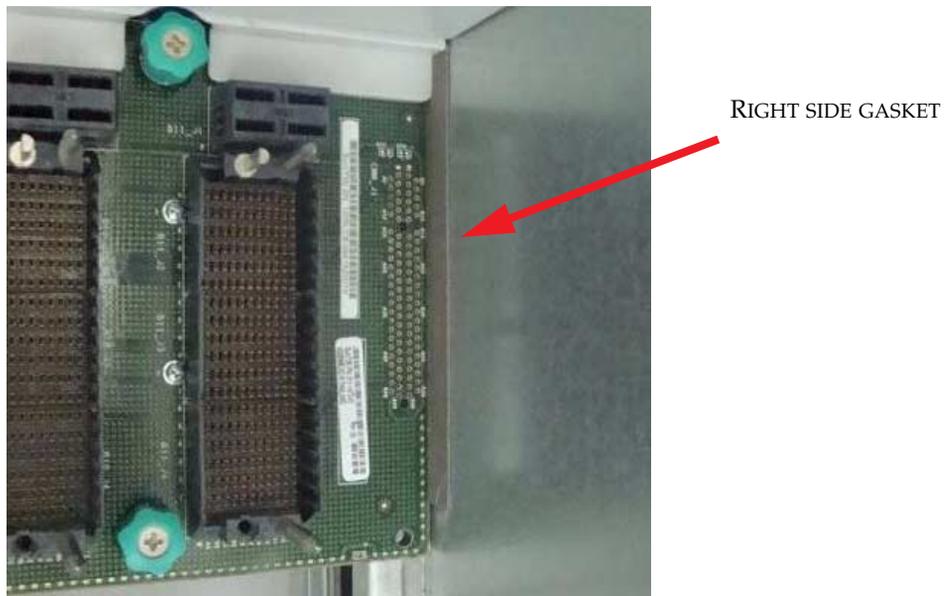
**Caution** – Thermal damage to the chassis can occur. Failure to remove the gasketing material prior to installing the midplane might result in damage to chassis.

---

**FIGURE 2-1** Position of Gasket on Left Side of the Chassis



**FIGURE 2-2** Position of Gasket on Right Side of the Chassis



## NEM LEDs (6713414)

TABLE 2-1 shows the LED behavior for 10/100/1000 MB LEDs for Sun Blade 6048 network express modules (NEMs). The LED color can be different, depending on the server module that is using the Ethernet port.

TABLE 2-1 LED States for Server Module and the NEMs

Sun Blade Server Module	10 MbE (Right LED)	100 MbE Right LED)	1000 MbE (Right LED)
X6220	off	Amber	Green
X6250	off	Amber	Green
X6450	off	Amber	Green
T6300	off	Green	Amber
T6320	off	Green	Amber
T6340	off	Amber	Green

**Note** – See the chassis and NEM documentation for specifics on the connectors available for each NEM.

## Power Supply Connections (6615994) (6576346)

The Sun Blade 6048 modular system contains two power supply modules that each have a power rating of 8400 W. Each power supply has three power connectors, with a 20A circuit per connector.

If you do not need the total power capacity of the power supplies, you have the alternative to use only two of the power connectors on the power supply. If you use only two power connectors, use the two to the right of each power supply (PS1-AC1, PS1-AC0 and PS0-AC1, PS0-AC0).

If you do use the two power connectors for a power supply, you will see IPMI SEL logs for missing AC connections in both CMM and server module SP log. Additionally, if the SNMP trap is configured, there SNMP traps will be sent out. The PSU Fault LED will be on. The DC-OK LED and the AC LED for the power supply will be off.

Further information on operating the power supplies with two connectors is available in *Sun Blade 6048 Modular System Service Manual*.

## Power Supply Watt Meter Feature Not Available for A231 Power Supplies (6614183)

For a chassis that has A231 power supplies installed, the ILOM power meter feature is not currently available.

## 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 < 25 Amps:

- If any side of a installed power supply unit (PSU) is drawing < 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 < 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)
```

You can determine the amount of current a PSU side is drawing by reading the `psX.I12V_Z` sensor; where *x*=0..1 (PSU) and *z*=0..1 (PSU side) for A206 PSUs and *x*=0..1 (PSU) and *z*=0..3 (PSU side) for A231 PSU.

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 with A206 model PSUs, *y* = 0..1 (PSU side) and with A231 PSUs *y* = 0..2 (PSU side).

## ILOM Notes and Issues

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This chapter describes the Oracle Integrated Lights Out Manager (ILOM) Service Processor updates and issues. The latest ILOM version for the Sun Blade 6000 modular system CMM is ILOM 3.0.10, included in Software Release 3.2.

- [“ILOM Notes” on page 13](#)
- [“ILOM Issues” on page 18](#)
- [“General ILOM Issues” on page 21](#)

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### ILOM Notes

The following notes apply to running ILOM on the Sun Blade 6048 modular system.

- [“Latest Software Release: CMM Software 3.3.2” on page 13](#)
- [“Updating ILOM Firmware” on page 14](#)
- [“Enabling and Disabling the Sun Cooling Door” on page 14](#)

### Latest Software Release: CMM Software 3.3.2

CMM Software 3.3.2 (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 on which issues are fixed.

# Updating ILOM Firmware

The latest ILOM version for the Sun Blade 6000 modular system CMM is ILOM 3.0.10, included in Software Release 3.2. Refer to the *Oracle Integrated Lights Out Manager 3.0 Supplement for the Sun Blade 6000 Modular System* for specific information on new ILOM 3.0.10 features.

Oracle recommends using the latest released firmware for all Sun Blade 6048 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. Sun recommends that all components use the latest available firmware or the prior version.

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

## Enabling and Disabling the Sun Cooling Door

A policy has been added to the CMM to support the Sun Cooling Door that might be used with your chassis.

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**Note** – The CMM must be updated to ILOM version 3.x in order to support a Sun Cooling door.

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Sun supports two types of cooling doors, Sun Cooling Door 5200, and Sun Cooling Door 5600. This section applies to both.

- If your chassis has a Sun Cooling Door installed, you must enable the cooling door policy in the CMM.
- If your chassis does not have a Sun Cooling Door, you must disable the cooling door policy in the CMM. This is the default.

To configure the Sun Cooling Door policy using the web interface, see [“To Configure the Sun Cooling Door Policy Using the Web Interface” on page 15](#).

To configure the Sun Cooling Door policy using the CLI, see [“To Configure the Sun Cooling Door Policy Using the CLI” on page 16](#).

## ▼ To Configure the Sun Cooling Door Policy Using the Web Interface

### 1. Open a browser and enter the IP address of the server.

The ILOM web interface login page appears.

### 2. Log in to ILOM using the `root` account.

The default password for the `root` account is `changeme`.

The ILOM web interface appears.

### 3. Select **Configuration** → **Policy**.

The Policy Configuration page appears.

**FIGURE 3-1** Policy Configuration Page

The screenshot shows the Sun Integrated Lights Out Manager (ILOM) web interface. The top navigation bar includes 'System Information', 'System Monitoring', 'Configuration', 'User Management', 'Remote Control', and 'Maintenance'. The 'Configuration' tab is selected, and the 'Policy' sub-tab is active. The main content area is titled 'Policy Configuration' and contains a table of 'Chassis Monitoring Module Policies'. The table has columns for 'Description' and 'Status'. The 'Sun Cooling Door Installed' policy is currently 'Disabled'.

Description	Status
<input type="radio"/> Monitor Power Supply 0 Side 0 for power	Enabled
<input type="radio"/> Monitor Power Supply 0 Side 1 for power	Enabled
<input type="radio"/> Monitor Power Supply 0 Side 2 for power	Enabled
<input type="radio"/> Monitor Power Supply 1 Side 0 for power	Enabled
<input type="radio"/> Monitor Power Supply 1 Side 1 for power	Enabled
<input type="radio"/> Monitor Power Supply 1 Side 2 for power	Enabled
<input type="radio"/> Sun Cooling Door Installed	Disabled

### 4. Click the radio button next to **Sun Cooling Door Installed**.

- Select it if your chassis has a cooling door.

- Deselect it if your chassis does not have a cooling door.  
The status changes to indicate your selection.

## ▼ To Configure the Sun Cooling Door Policy Using the CLI

### 1. Log in to ILOM. Open a terminal window and type:

```
$ ssh root@serveripaddress
```

Password: *password*

The default password for the root account is changeme.

The ILOM CLI prompt appears (->).

### 2. Enter the command:

```
-> set /CMM/policy/COOLING_DOOR_INSTALLED=selection
```

where *selection*:

**enabled** if your chassis has a cooling door

**disabled** if your chassis does not have a cooling door

The following display shows the policy settings with the cooling door disabled:

```
-> cd /CMM/policy
/CMM/policy
-> show
/CMM/policy
  Targets:

  Properties:
    COOLING_DOOR_INSTALLED = disabled
    MONITOR_PS0_SIDE0 = enabled
    MONITOR_PS0_SIDE1 = enabled
    MONITOR_PS0_SIDE2 = enabled
    MONITOR_PS1_SIDE0 = enabled
    MONITOR_PS1_SIDE1 = enabled
    MONITOR_PS1_SIDE2 = enabled

  Commands:
    cd
    set
    show

->
```

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# ILOM Issues

The following issues are related to the ILOM:

- [“Issues Specific to ILOM 3.0.6.11” on page 18](#)
- [“Issues Specific to ILOM 3.0.3.32” on page 18](#)
- [“Issues Specific to ILOM 3.0” on page 19](#)
- [“Issues Specific to ILOM 2.0.3.10” on page 20](#)
- [“Issues Specific to ILOM 2.0.3.3” on page 20](#)
- [“Issues Specific to ILOM 2.0.3.2” on page 21](#)

## Issues Specific to ILOM 3.0.6.11

### ILOM 3.0.6.11 Requires Both Power Supplies to Be Powered Up (6874117)

ILOM version 3.0.6.11 requires power to both power supplies.

#### *Workaround*

Connect only one power supply; use PSU 1.

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**Note** – This issue was fixed in version 3.1.1

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## Issues Specific to ILOM 3.0.3.32

The issues in this section are specific to the ILOM 3.0.3.32 on the Sun Blade 6048 modular system.

## ILOM 3.0.3.32 Displays Power Assert/Deassert Errors in Event Log (6865366)

Sensors were returning invalid readings in the event log, such as:

PS0/V_3V3_ERR	0 unspecified	nc
PS0/TEMP_WRN	0 unspecified	nc
PS0/TEMP_ERR	0 unspecified	nc
PS0/FAN_ERR	0 unspecified	nc

Readings for these sensors should consist of 0x01 and 0x2 and never return 0x0.

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**Note** – This issue was fixed in release 3.1.2.

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## Issues Specific to ILOM 3.0

The issues in this section are specific to the ILOM 3.0 on the Sun Blade 6048 modular system.

### Reset Server Modules Running ILOM 2.0.3.10 After Updating the CMM to ILOM 3.0.3.32 (6813351)

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

#### *Workaround*

When the CMM is updated to ILOM 3.0, reset all server module SPs that are running ILOM2.x.

### 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 ILOM boots an incorrect host name or product serial number might be displayed.

## *Workaround*

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

- CLI: Execute the `reset /CH/CMM` command
- Web interface: Select /CH/CMM in the Reset Components sub-tab on the Maintenance tab

The CMM will reboot with the correct product information.

## Issues Specific to ILOM 2.0.3.10

The issues in this section are specific to the ILOM 2.0.3.10 on the Sun Blade 6048 modular system.

### Cannot Set Netmask When Running ILOM 2.0.3.10 (6766379)

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

## *Workaround*

To set the netmask, you can manually edit the `/conf/interfaces` file via the sunservice account or by using 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).

## Issues Specific to ILOM 2.0.3.3

The issues in this section are specific to the ILOM 2.0.3.3 on the Sun Blade 6048 modular system.

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

When running 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.

## Issues Specific to ILOM 2.0.3.2

The issues in this section are specific to the ILOM 2.0.3.2 on the Sun Blade 6048 modular system.

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

The following commands have new functionality for 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 ILOM 2.0.3.1 version of **`stop /CH`**.

## General ILOM Issues

The following issues are not specific to one ILOM version.

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

`/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.

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

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

### *Workaround*

If you change the CMM IP address in the web GUI, log into the CLI to reconfigure the IP address again. then log into the web GUI with the new IP address.

For more information on configuring the IP address in the web GUI, refer to the *Sun Integrated Lights Out Manager 2.0 User's Guide*.

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

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.

## The Tempfail LED and Service LED On the Rear of the Chassis Functionality Is Switched (6745875)

When one FM or one PSU is removed from the Sun Blade 6048 chassis, the Tempfail LED on the rear panel turns on while the Service LED on the rear panel is off. The Service LED on the front panel turns on, which is the correct behavior.

When the FM or PSU is reinserted, the Tempfail LED on the rear turns off, and the Service LED on the front turns off.

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## Fixed ILOM Issues

The issues fixed in specific ILOM releases are listed in this section. The issues are listed under the ILOM version that provides a fix for the issue. Some of the issues were found in a particular ILOM update.

- [“Issues Fixed in ILOM 3.0.10” on page 23](#)
- [“Issues Fixed in ILOM 3.0.6.11c” on page 25](#)
- [“Issues Fixed in ILOM 3.0.6.11b” on page 26](#)
- [“Issues Fixed in ILOM 3.0.6.11” on page 26](#)
- [“Issues Fixed in ILOM 3.0.3.32” on page 27](#)
- [“Issues Fixed in ILOM 2.0.3.10” on page 30](#)
- [“Issues Fixed in ILOM 2.0.3.3” on page 31](#)

### Issues Fixed in ILOM 3.0.10

#### Blade Fan Control Improvement (6903302)

This issue was fixed in ILOM 3.0.10.

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 (ILOM 3.0.10)*

The CMM steps up the fans at most one step every 40 seconds (so there’s a slower ramp up time), and decreases fan speeds one step every 2 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.

## CMM `permitted_power` Error Message is Unclear (6863970)

This issue was fixed in 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.

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

This issue was fixed in 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 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
```

## NEM OK LED Should Have Blinking State (6864854)

This issue was fixed in 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 its operational and blink it when the switch is not operational or in some transitional state.

## Issues Fixed in ILOM 3.0.6.11c

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

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

After upgrading the Sun Blade 6000 modular system CMM to 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 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 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 ILOM 3.0.6.11b

### ILOM 3.0.3.32 Displays Incorrect Power Failures in Event Log With Certain PSU Firmware (6865366)

This issue was fixed in ILOM 3.0.6.11b.

With ILOM 3.0.3.32 installed on the Sun Blade 6000 CMM, incorrect power assert/deassert errors are displayed in the event log with A231 PSUs running firmware 18.18 only.

## Issues Fixed in ILOM 3.0.6.11

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

This issue was fixed in ILOM 3.0.6.11.

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

### CMM Web Interface Slow Response (6853788)

This issue was fixed in ILOM 3.0.6.11.

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

## PSU Fan Speed Should Run Slower (6853866)

This issue was fixed in 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 (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 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 ILOM 3.0.3.32

### CMM OK LED Turns Off During Boot (6474460)

This issue was found in ILOM 2.0.3.10 and fixed in 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.

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

This issue was fixed in ILOM 3.0.3.32.

The 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 ILOM CLI or ipmitool (6695802)

This issue was fixed in 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 ILOM 3.0.3.32.

When running 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 ILOM 2.0.3.10 and fixed in 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 ILOM 3.0.3.32.

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

### *Workaround*

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

To change the IP address in the ILOM CLI:

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

## Cannot Set Netmask When Running ILOM 2.0.3.10 (6766379)

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

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

## *Workaround*

To set the netmask, you can manually edit the `/conf/interfaces` file via the `sunservice` account or by using 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 ILOM 3.0.3.32.

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



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**Caution** – 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.

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## Issues Fixed in ILOM 2.0.3.10

### Power LED Does Not Display Until SP Boots (6464862)

This issue was fixed in ILOM 2.0.3.10.

The front panel power LED does not power on immediately.

## *Workaround*

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 ILOM 2.0.3.3

The following issues have been fixed in ILOM 2.0.3.3:

- [“The `stop /CH` Command Lights the Chassis Alert LED \(6678328\)”](#) on page 31
- [“SNMP Trap Destination Port Should Be Configurable \(6654887\)”](#) on page 31

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

When using the **stop /CH** command, the chassis Power/OK LED goes into standby state, and the chassis alert LED is 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.

### SNMP Trap Destination Port Should Be Configurable (6654887)

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





## Documentation Issues

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The following issue is related to the chassis documentation:

### Service Processor Information Missing From Installation Guide (6692166)

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.

