Sun Blade 6000 Modular System

Getting Started Guide

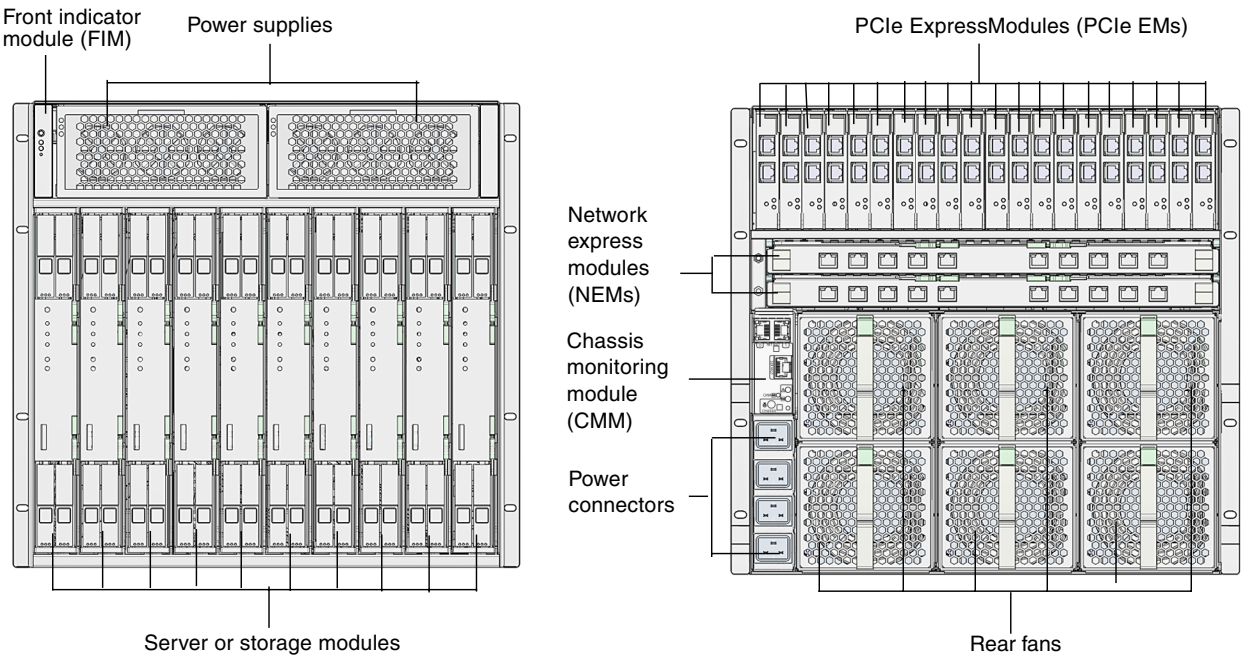
This document contains basic information on setting up Oracle's Sun Blade 6000 modular system. Detailed installation information can be found in the *Sun Blade 6000 Modular System Installation Guide*.

Site Requirements, Safety, and Documentation

Before performing an installation of the Sun Blade 6000 modular system, refer to the *Sun Blade 6000 Site Planning Guide* and *Important Safety Information for Sun Systems* for important site planning and safety information. See "Documentation for This Product" for more information.

System Overview

The following illustrations show the front and back panels of the Sun Blade 6000 modular system.



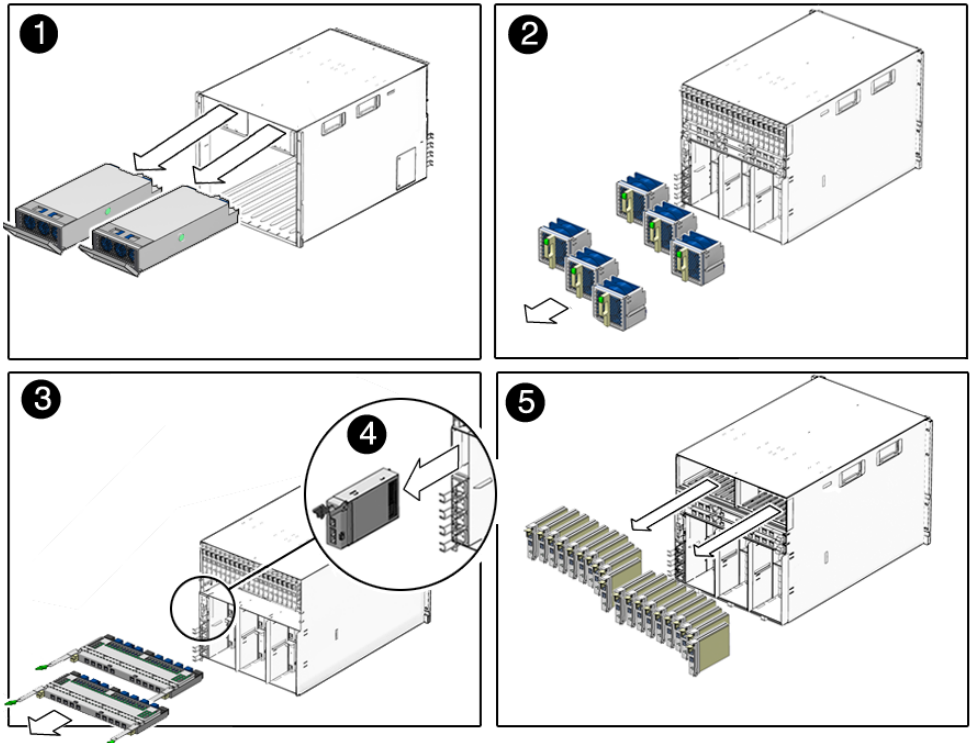
▼ Unpack the Modular System

Unpack the following items:

- Sun Blade 6000 chassis
- Allen key (6 mm)
- Dongle kit, including I/O dongle and DB-9 to RJ-45 adapter for server module connections
- Rackmount kit containing rack rails and installation instructions
- Documentation kit
- Optional items: *Sun Blade 6000 Modular System Installation Guide*, country power cable kit, additional server modules, PCIe EMs or NEMs to be installed in the system

▼ Mount the Modular System in a Rack

1. **Prepare the rack as shown in the** *Sun Blade 6000 Rack Alignment Template***.**
2. **Install the chassis onto the rack in one of two ways:**
   - Using a mechanical lift: You do not need to depopulate the chassis before installing it into the rack.
   - Manually: Before lifting the chassis, remove the modules shown in the following illustration: power supplies (1), fans (2), NEMs (3), CMM (4), and PCIe EMs (5). Use at least two people to lift the chassis.



Note: When removing modules, make sure to support the weight of the module with your hand as soon as you have pulled it out far enough. This is especially important for the power supply modules.

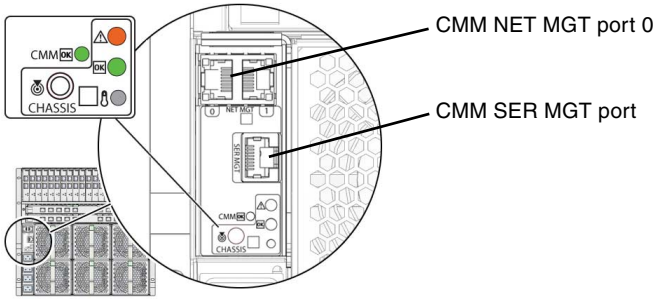
DO NOT use the module handles to pull the modules all the way out of the system.

Refer to the service card attached to the chassis or the *Sun Blade 6000 Modular System Installation Guide* for more details on removing and reinstalling the modules.

3. **Replace any items removed in Step 2., and install additional modules that you received with the system.**

▼ Attach Cables to the CMM

1. **Connect a serial console cable to the RJ-45 SER MGT port on the rear panel of the CMM.**
   Make sure that you do not plug the serial cable into the NET MGT port.
2. **(Optional) Connect an Ethernet network management cable to RJ-45 NET MGT 0 port on the CMM, and connect the other end of the Ethernet network management cable to your local area network.**
   Note: CMM NET MGT port 0 is the default port to use for CMM Ethernet management. See the *CMM ILOM Administration Guide* for information on enabling CMM NET MGT port 1.

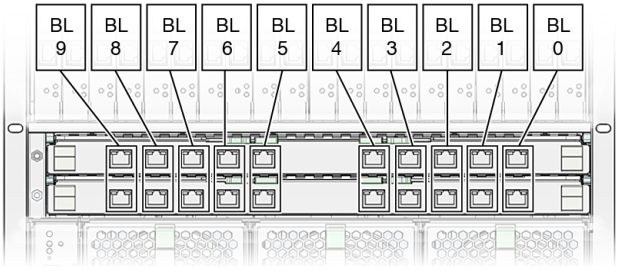


CMM connectors

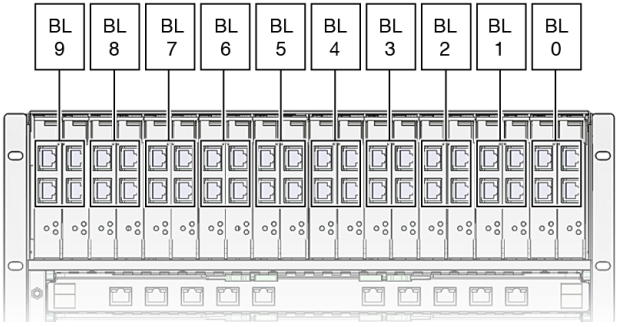
▼ Attach Cables to the Modular Components

Refer to the documentation for each modular component for installation details.

1. **For each NEM installed, connect an Ethernet cable to the appropriate RJ-45 Ethernet connector and attach the other end of the cable to your local area network.**
2. **For each PCIe EM installed, connect the applicable cable to the PCIe EM connector and attach the other end of the cable to your network or device.**



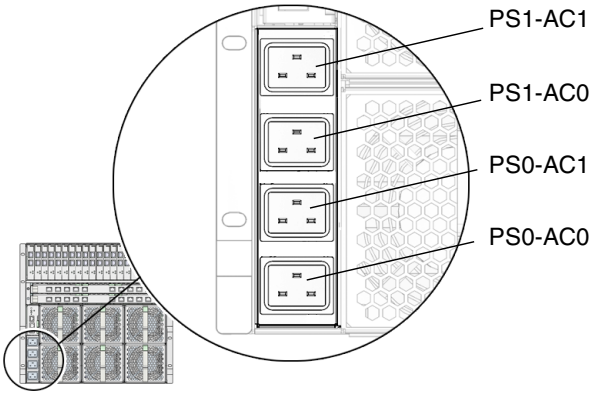
NEM connectors



PCIe EM connectors

▼ Attach Power Cables and Power On System

1. **Connect four power cables to the four AC power connectors.**

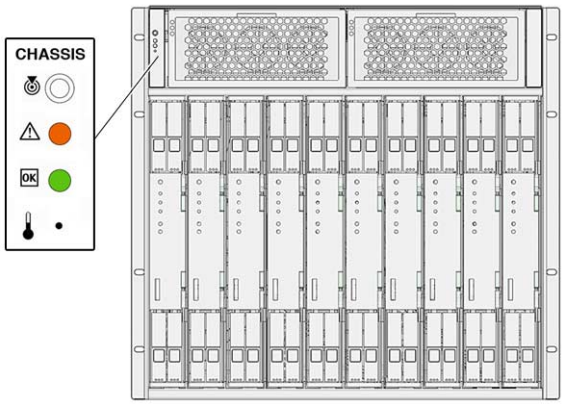


AC power connectors

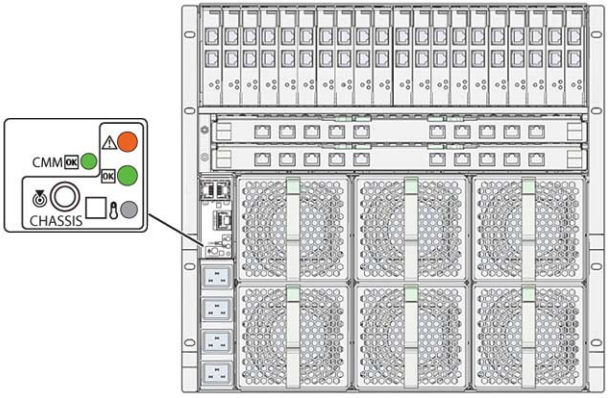
2. **Connect the other end of power cables to the power distribution unit (PDU).**

   Main power is automatically supplied to the system chassis and all modules and server modules in the chassis as soon as the chassis receives power.

   The OK power LED illuminates a solid green light. The OK power LEDs are located on the front chassis and on the rear chassis.



Front chassis LEDs



Rear chassis LEDs

▼ Set Up Initial Network Addresses for CMM ILOM

If you plan to use the CMM NET MGT port to access ILOM, the CMM must have an IP address.

This guide instructs you to assign a static IP address to the CMM port. Alternatively, you can use DHCP services to assign an IP address to the CMM NET MGT port. For details, refer to the *Sun Blade 6000 Modular System Installation Guide.*

Note – If you assign a static IP address to the CMM, the CMM no longer automatically attempts to use DHCP services.

Follow these instructions when assigning a static IP address to the CMM through a serial connection:

1. **Verify that your serial connection to the CMM is operational and configure the following serial settings:**
   - 8N1: eight data bits, no parity, one stop bit
   - 9600 baud
   - Disable hardware flow control (CTS/RTS)
   - Disable software flow control (XON/XOFF)
2. **Log into ILOM as an administrator with the default user name `root` and password `changeme`.**
   The default prompt appears (->) and the system is ready for you to run the CLI commands.
3. **Type the following command to access the `/CMM/network` directory:**
   `cd /CMM/network/`
4. **Use the following commands to specify the IP, netmask, and gateway addresses for the CMM ILOM.**
   `set pendingipaddress=`*IP_address*
   `set pendingipnetmask=`*netmask_address*
   `set pendingipgateway=`*netmask_address*
   `set pendingipdiscovery=``static`
   `set commitpending=true`

▼ Log Into ILOM Through the CMM NET MGT Port

When you have an IP address assigned to the CMM, you can log into ILOM though the NET MGT port.

♦ **From your network, perform the following command:**

```
$ ssh root@CMM_IP_address
Password: changeme
```

At this point, you are logged into ILOM on the CMM. You can perform a variety of ILOM commands to administer the modular system and modular components.

Refer to the *Oracle Integrated Lights Out Manager (ILOM) CMM Administration Guide*, for further information on using the Integrated Lights Out Manager (ILOM) to manage the CMM.

Completing Your Configuration

You probably have additional modular components and operating systems that require configuration. To complete those activities, refer to the getting started guides and installation guides for those components.

Product Updates

Product updates for the Sun Blade 6000 modular system are available here:

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

Technical Support

If you have technical questions about this product that are not answered in this document, go to:

http://www.sun.com/support

Documentation for This Product

The following table lists the documentation in the approximate order of the tasks that you might perform when installing a new system. Review the tasks on the left, then refer to the corresponding documentation on the right. You can find the most up-to-date versions of all the documents at the Oracle documentation web site:

http://docs.sun.com/app/docs/prod/blade.6000mod#hic

For translated versions of the documentation, go to the http://docs.sun.com web site, then select your language to get the documentation set in your language.

Task	Document Type	Part Number
Review the safety information.	Safety and Compliance Manual	820-0053
	Important Safety Information for Sun Hardware Systems	816-7190
Become familiar with the Sun Blade 6000 chassis environment.	Overview	820-7122
Review any known issues and workarounds.	Product Notes	820-0055
Prepare the site.	Site Planning Guide	820-0426
Install the chassis in a rack.	Rack Alignment Template	263-2755
Install shipping brackets (if needed).	Installing Shipping Brackets	820-2388
Cable and power on the server. Connect to the service processor and determine network settings.	Installation Guide	820-0050
Manage server accounts, monitor alerts, set remote access and redirection, and view component status and event logs.	Administration Guide	820-0052
	Oracle Integrated Lights Out Manager (ILOM) 3.0 Supplement	820-7603
Remove and replace hardware components. Troubleshoot and isolate server problems.	Service Manual	820-0051

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