

Sun Blade T6320 Server Module

Getting Started Guide

This guide describes the minimum steps required to install and power on Oracle's Sun Blade T6320 server module for the first time.

For more detailed installation information, refer to the online *Sun Blade T6320 Server Module Installation Guide* (820-2384) and the installation guide for your Sun Blade Modular System. The URLs for online documentation are listed in "[Documentation for This Product](#)".

Note – Before installing this server module, read the latest *Sun Blade T6320 Server Module Product Notes* (820-2383) to find out if any late breaking issues impact installation requirements.

Shipping Kit Contents

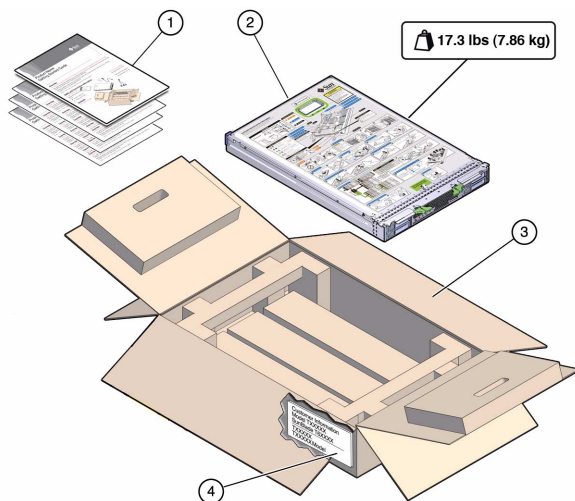


Figure Legend:

1. Printed documentation
2. Server module
3. Shipping carton
4. Customer information sheet (save for MAC addresses)

▼ Install Optional Components

- ♦ Before installing the server module into the Modular System chassis, install any optional components that you ordered for the server module.

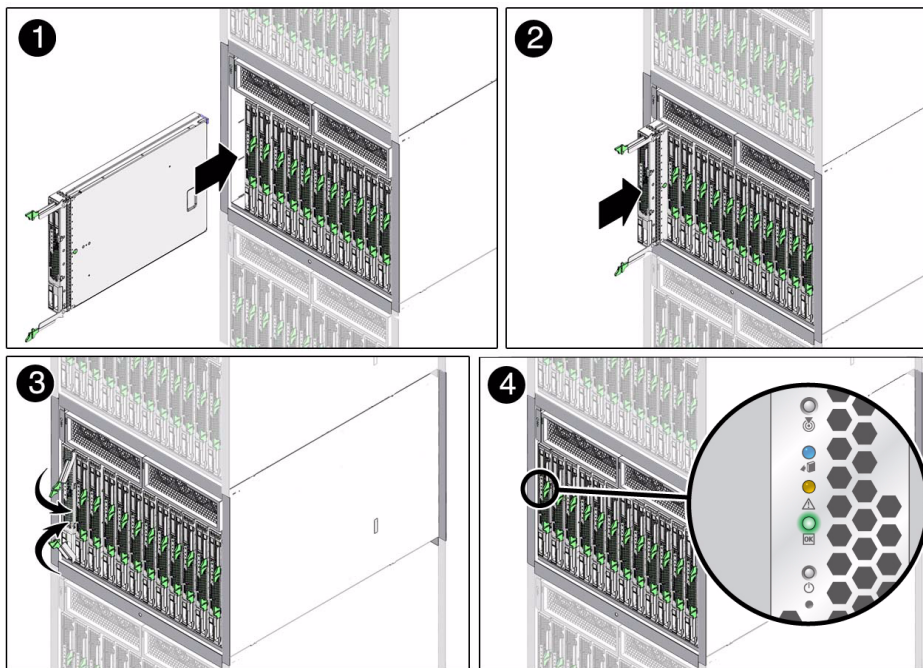
For details, refer to the optional component installation or user's guide.

▼ Install the Server Module Into the Chassis

The server module is hot-pluggable in the chassis. The instructions in this guide assume that the Sun Blade Modular System chassis is installed and is up and running.

1. Remove the filler panel from one of the server module slots in the chassis.
2. Insert the server module in the chassis until it is about 1.5 cm (.5 in.) from the front of the chassis.
3. Push the ejector levers in simultaneously until they lock in place.
4. Verify the server module insertion by checking the green OK LED on the server module.

When the server module is plugged in, standby power is supplied to the service processor (SP) and the green OK LED on the front panel blinks for a few minutes.



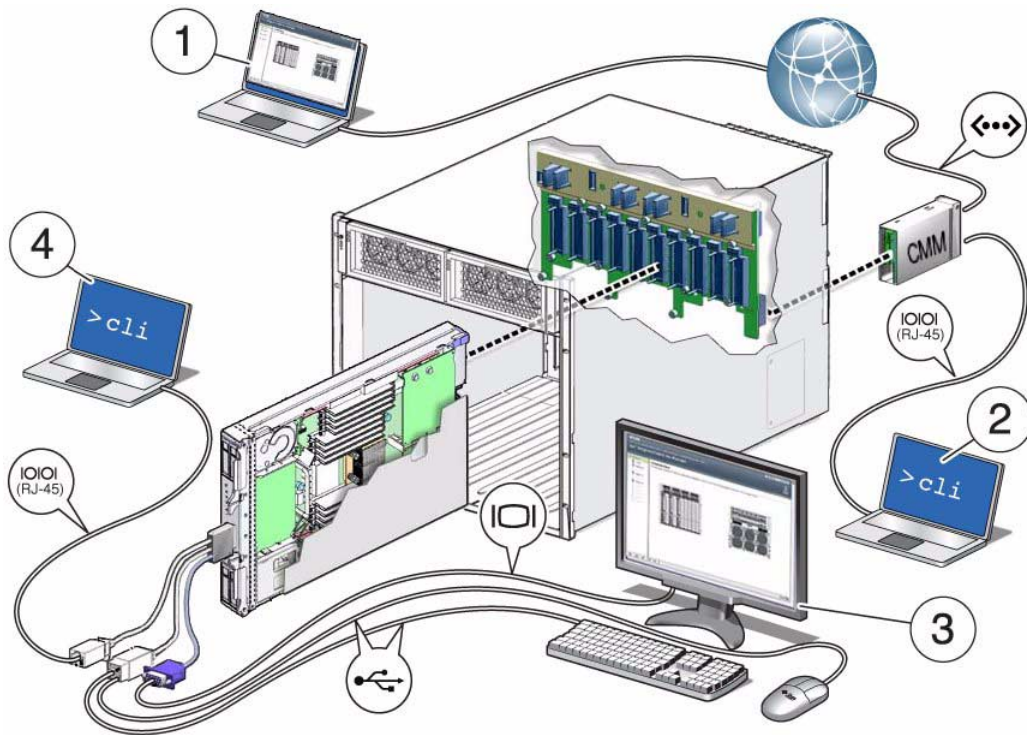
Caution – For proper cooling, ensure that any empty slots are filled with a filler panel.

▼ Determine Your Connection Method

You can start, boot, and manage the server module using the Integrated Lights Out Manager (ILOM) software that runs on the server module's service processor (SP). You can also control the server module from ILOM running on the chassis management module (CMM).

There are several ways that you can connect to the server module SP.

- ◆ **Connect to the server module using one of the methods shown in the following figure and table.**
 This guide uses method 1, but you can use the other methods as described in the *Sun Blade T6320 Server Module Installation Guide* (820-2384).



(Connection Type)			
Method	From	To	Description
1	(Ethernet) CMM NET MGT port	Your network	(Method used in this guide) Ensure that the CMM NET MGT port is connected to your network. From your network, log into ILOM on the CMM using the IP address of the CMM. Use the ILOM proxy to navigate to the server module SP ILOM interface. You can use the ILOM command-line interface (as described in the remaining instructions in this guide), or use the CMM ILOM web interface.
2	(Serial) CMM SER MGT port	Terminal device	Connect a terminal device to the CMM SER MGT RJ-45 port and use ILOM to navigate to the server module SP ILOM interface. This method only supports the ILOM CLI.
3	(Serial) Server module SP UCP port (dongle required)	Terminal device	Connect a dongle cable to the server module. Connect a terminal device to the RJ-45 connector on the dongle cable. Communicate with ILOM on the server module SP using the ILOM CLI.

(Connection Type)			
Method	From	To	Description
4	(Local KVM) Server module SP UCP port (dongle required)	USB keyboard and mouse, and a VGA monitor	Connect a dongle cable to the server module. Connect a keyboard and mouse to the dongle USB connectors and a monitor to the HD15-pin VGA connector. Communicate with ILOM on the server module SP using the ILOM CLI or web interface.

▼ Access ILOM on the Server Module SP

This procedure uses method 1 and uses SSH® on the CMM to access the server module ILOM CLI. You must know the CMM IP address to perform this procedure.

1. **Ensure that the CMM NET MGT port is connected and configured to communicate on your network.**

Refer to the Sun Blade 6000 Modular System documentation for details.

2. **Log into the CMM with the SSH client.**

In the following example, replace *10.3.212.24* with the IP address of your CMM.

Specify the password that is assigned to the CMM ILOM root account. The factory default ILOM root password is changeme.

Example:

```
$ ssh root@10.3.212.24
Password: cmm_ILOM_password
Sun(TM) Integrated Lights Out Manager
Version 3.0.3.20
Copyright 2009 Sun Microsystems, Inc. All rights reserved.
Warning: password is set to factory default.
```

You are now logged in to the CMM ILOM CLI.

3. **Navigate to the server module SP by typing the following ILOM command.**

Replace *n* with an integer that identifies the target server module (the slot for which the server module is installed):

```
-> cd /CH/BLn/SP/cli
```

4. **Access the server module SP by typing the ILOM start command.**

If you are prompted for a password, enter changeme (the factory default password for the root user on the server module SP) .

```
-> start
Are you sure you want to start /CH/BL2/SP/cli (y/n)? y
start: Connecting to /CH/BL2/SP/cli as user root
```

You are now logged into ILOM on the server module SP.

▼ Power On the Server Module Host

1. Power on the server module host.

```
-> start /SYS
Are you sure you want to start /SYS (y/n)? y
Starting /SYS . . .
```

The server module initializes. The server module might take several minutes to complete POST. If a boot device installed with the Solaris OS is accessible locally, the server module boots. Otherwise, the system uses the boot net command to seek a boot device on the network.

2. Switch communication to the console.

```
-> start /SP/console
Are you sure you want to start /SP/console (y/n)? y
Serial console started. To stop, type #.
0:0:0>POST enabling CMP 0 threads: ffffffff.ffffffff
. . .
```

You are now connected to the server module host.

The server module hardware installation is complete and the server module is ready to be configured to suit your needs.

▼ Check for the Latest OS, Patches, and Firmware

It is possible that later versions of OS, patches, and firmware are available for your server module. Some features can only be enabled when certain patches or firmware are installed. Sun recommends installation of the latest available versions for the best performance, security and stability.

1. Review the *Sun Blade T6320 Server Module Product Notes (820-2383)* at:

<http://docs.sun.com/app/docs/prod/blade.t6320~blade-t6320?l=en>

This document describes important product dependencies and late breaking information.

2. Access the latest OS, patches, and firmware information from the BigAdmin System Administration portal:

<http://www.sun.com/bigadmin/topics/stacks/stacks.jsp>

Under the Blade Servers heading, select the Sun Blade T6320 Server Module link.

▼ Consider Using Logical Domains (LDomS)

◆ Before you install your applications and other software, decide if LDomS are advantageous for your environment.

LDomS is a preinstalled system virtualization feature that provides a discrete logical grouping with its own operating system, resources, and identity within a single computer system. You can run a variety of applications in different logical domains and keep them independent for performance and security purposes. Refer to the Logical Domains documentation at: <http://docs.sun.com/app/docs/prod/ldoms>

Documentation for This Product

Find the documentation for Oracle's Sun Blade T6320 server module at:

<http://docs.sun.com/app/docs/prod/blade.t6320#hic>

For translated documentation, select your language at: <http://docs.sun.com>.

Task	Document, Part Number or URL
Review known issues, workarounds, and new information.	<i>Sun Blade T6320 Server Module Product Notes</i> (820-2383)
Connect server to network, configure software.	<i>Sun Blade T6320 Server Module Installation Guide</i> (820-2384)
Set remote access. View system status and event logs.	<i>Sun Integrated Lights Out Manager 3.0 Supplement for Sun Blade T6320 Server Modules</i> (820-7145)
Diagnose and troubleshoot the server module. Remove and replace components.	<i>Sun Blade T6320 Server Module Service Manual</i> (820-2386)
Review safety information.	<i>Sun Blade T6320 Server Module Safety and Compliance Manual</i> (820-2387) <i>Important Safety Information for Sun Hardware Systems</i> (821-1590 or 816-7190)
Chassis specific hardware and ILOM information	http://docs.sun.com/app/docs/prod/blade.srvr

Sun Contact Information

Topic	URL
Preinstalled Solaris OS information	http://www.sun.com/software/preinstall
Software Stack Information	http://www.sun.com/bigadmin/topics/stacks/stacks.jsp
Sun Support Center	http://www.sun.com/support/
Technical support	http://www.sun.com/service/contacting/
Documentation comments	http://www.sun.com/hwdocs/feedback Please include the title and part number of your document with your feedback: <i>Sun Blade T6320 Server Module Getting Started Guide</i> (820-7681)

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