Netra SPARC T3-1B Server Module

Getting Started Guide

This guide describes the minimum steps required to install and power on Oracle's Netra SPARC T3-1B server module for the first time.

For more detailed installation information, refer to the online Netra *SPARC T3-1B Server Module Installation Guide* and the installation guide for your Sun Netra 6000 modular system. Also read the latest *Netra SPARC T3-1B Server Module Product Notes* to find out if any late-breaking issues impact installation requirements:

http://www.oracle.com/pls/topic/lookup?ctx=E21652-01&id=homepage

Shipping Kit Contents

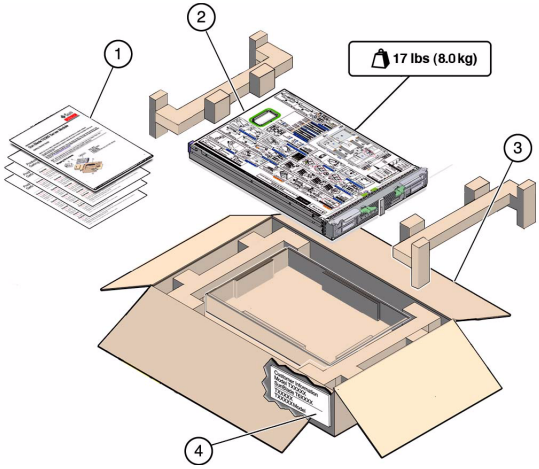


Figure Legend

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

▼ Install Optional Components

- **Before installing the server module into the modular system chassis, install any optional components that you ordered for the server module.**

  Optional components might already be installed in the server module you received. See the customer information sheet for details. For instructions on installing optional components, refer to the documentation for each component and the Netra *SPARC T3-1B Server Module Service Manual*.

▼ Install the Server Module Into the Chassis

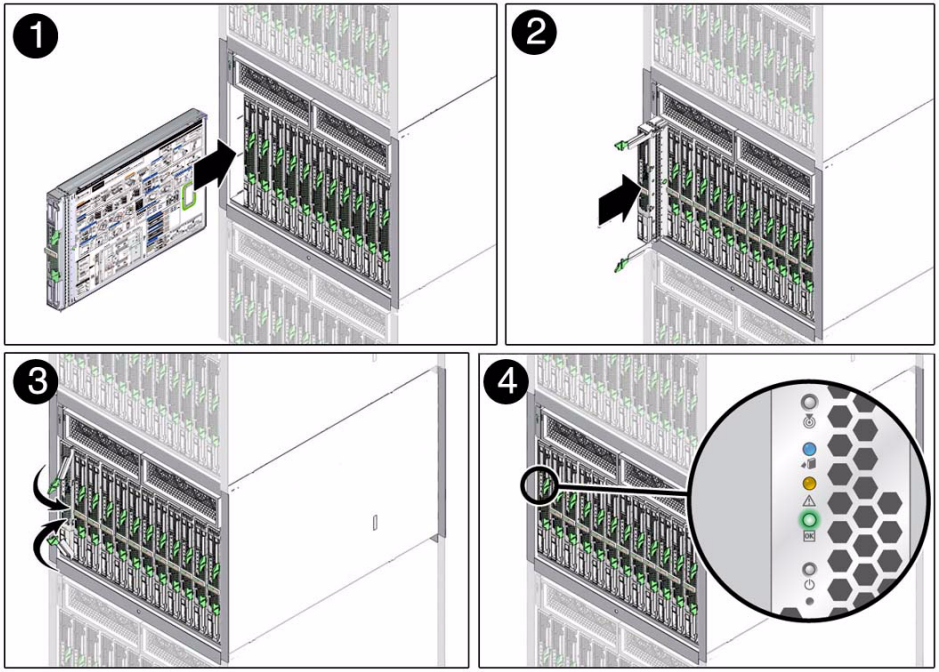
The server module is hot-pluggable in the chassis. The instructions in this guide assume that the Sun Blade 6000 modular system is installed, and is up and running.

1. **Remove the filler panel from the desired server module slot in the chassis.**

   Be ready to insert the server module or a filler panel in the empty slot within 60 seconds.

2. **Insert the server module in the chassis (panel 1) until it is about 1.5 cm (.5 in.) from the front of the chassis.**

   The side of the server module with the service label faces to your right.



3. **Extend the ejector levers (panel 2), then push the ejector levers in simultaneously until they lock in place (panel 3).**

4. **Verify the server module insertion by checking the green OK LED on the server module (panel 4).**

   When the server module is plugged in, standby power is supplied to the service processor (SP). The front panel LEDs blink three times, then the green OK LED on the front panel blinks for a few minutes. The server module SP generates diagnostic messages as soon as the server module is connected to a powered modular system.

Caution – For proper cooling, ensure that all slots are filled with a server module or a filler panel. Fill all slots within 60 seconds after the modular system is connected to power.

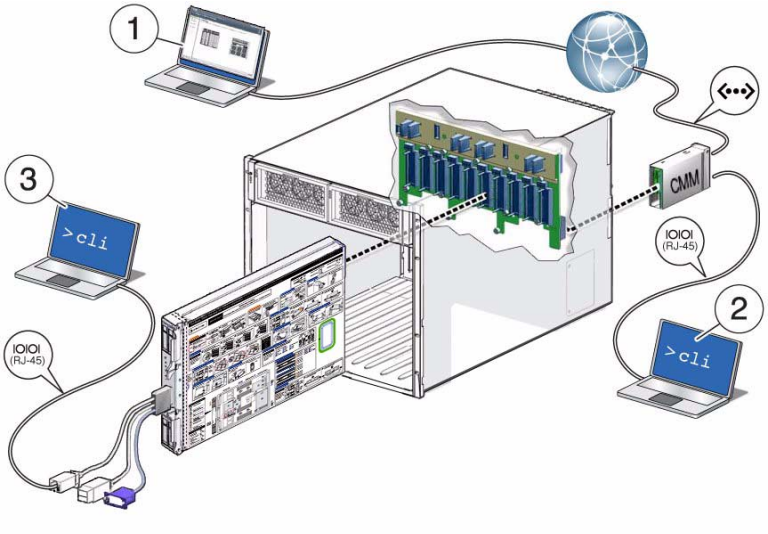
▼ Determine Your Connection Method

You can start, boot, and manage the server module using the Oracle Integrated Lights Out Manager (ILOM) software that runs on the server module SP. You can also control the server module from Oracle ILOM running on the chassis management module (CMM) of the modular system.

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 *Netra SPARC T3-1B Server Module Installation Guide*.



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

▼ Access Oracle ILOM on the Server Module SP (Web Interface)

This procedure is for method 1, which uses a web interface through the CMM to access the server module Oracle ILOM CLI. You must know the CMM IP address to perform this procedure. This procedure also assumes you have a DHCP environment. For other environments, see instructions in the *SPARC T3-1B Server Module Installation Guide*.

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. **In a browser on the same network as the modular system, enter the IP address of the CMM.**

   For example, if your CMM has the IP address `129.99.99.99`, direct your browser to that address. A login window for Oracle ILOM will appear.

3. **Log in to Oracle ILOM on the CMM by typing your user name and password.**

   The factory default Oracle ILOM `root` password is `changeme`.

   You are now logged in to the CMM Oracle ILOM web interface.

4. **Navigate to the server module SP.**

   a. **Select the chassis view for the modular system.**

   b. **Click on the image of the server module that you have installed in the modular system.**

      The slots in the modular system are numbered from 0 to 9.

5. **Start the Remote Console.**

   a. **Select Remote Control on the top menu.**

   b. **Select the Redirection tab.**

   c. **Click on Use serial redirection.**

   d. **Click on Launch Remote Console.**

6. **Power on the server module.**

   a. **Select the Remote Power Control tab.**

   b. **Click on the menu in that tab and select Power On.**

   c. **Select Save.**

   d. **Select OK when you see this prompt: Are you sure you want to perform a Power On of the server.**

   The server module host is powered on for the first time. The server module hardware installation is complete and the server module is ready to be configured to suit your needs. For details on the Oracle Solaris OS configuration process, see the *Netra SPARC T3-1B Installation Guide* and the installation guides for your version of Oracle Solaris OS.

▼ Power On the Server Module Host

If you used a command line method to access the server module SP, rather than use the procedure in "Access Oracle ILOM on the Server Module SP (Web Interface)" , you need to use this procedure to 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.

2. **Switch communication to the server module host.**

```
-> start /HOST/console
Are you sure you want to start /HOST/console (y/n)? y
Serial console started.  To stop, type #.
```

The server module might take several minutes to complete POST. If a boot device installed with the Oracle 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.

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. For details on the Oracle Solaris OS configuration process, see the *Netra SPARC T3-1B Server Module Installation Guide* and the installation guides for your version of Oracle Solaris OS.

▼ Check for the Latest OS, Patches, and Firmware

Later versions of OS, patches, and firmware might be available for your server module. Some features can only be enabled when certain patches or firmware are installed. Install the latest available versions for the best performance, security, and stability.

1. **Review the *SPARC T3-1B Server Module Product Notes* at:**

   http://www.oracle.com/pls/topic/lookup?ctx=E21652-01&id=homepage

   This document describes important product dependencies and late-breaking information.

2. **Access the latest OS, patches, and firmware information from the system administration portal:**

   http://www.oracle.com/technetwork/systems/software-stacks/stacks/index.html

   Under the Netra Carrier-Grade Systems heading, select the Netra SPARC T3-1B Server Module link.

Accessing Additional Information

Find the documentation for Oracle's Netra SPARC T3-1B server module at:
http://www.oracle.com/pls/topic/lookup?ctx=E21652-01&id=homepage

Task	Document Title or URL
Review known issues, workarounds, and new information.	*Netra SPARC T3-1B Server Module Product Notes*
Connect to server module for initial installation and configuration.	*Netra SPARC T3-1B Server Module Installation Guide*
Set remote access. View system status and event logs.	*SPARC T3 Series Servers Administration Guide*
Diagnose and troubleshoot the server module. Remove and replace components.	*Netra SPARC T3-1B Server Module Service Manual*
Review safety information.	*Netra SPARC T3-1B Server Module Safety and Compliance Manual* *Important Safety Information for Sun Hardware Systems*
Access chassis-specific hardware and Oracle ILOM information.	http://www.oracle.com/technetwork/documentation/netra-blade-servers-252766.html
Access preinstalled OS information.	http://www.sun.com/software/preinstall

Product Documentation

You can view, print, or purchase a broad selection of documentation, including localized versions, at:

http://www.oracle.com/technetwork/documentation/index.html

Technical Support

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

https://support.oracle.com

Part No.: E21658-01,
Mfg No.: 7012752,
April 2011