Netra SPARC T5-1B Server Module

Getting Started Guide

This guide describes how to install and power on Oracle's Netra SPARC T5-1B server module for the first time using the preinstalled Oracle Solaris OS.
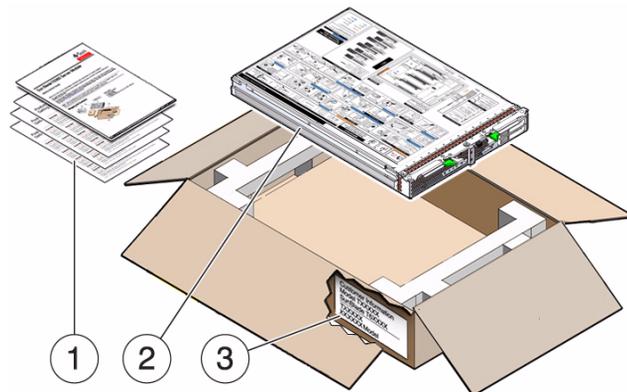
If your server shipped with a drive, and you do not plan to use the preinstalled OS, use the instructions in the installation guide instead of these instructions.

Before performing the procedures in this guide, review these documents at the Oracle documentation web site: http://www.oracle.com/goto/NETRA-T5-1B/docs

- *Sun Netra 6000 Modular System Installation Guide* – Install the Sun Netra 6000 modular system chassis before you install the server module.

- *Netra SPARC T5-1B Server Module Product Notes* – Determine if your modular system meets minimum required firmware versions and if any issues impact your installation requirements.

- *Netra SPARC T5-1B Server Module Installation Guide* – Use this guide if you want more detailed installation information.

For additional safety information, refer to the *Important Safety Information for Sun Hardware Systems*, which is in the shipping kit.

Shipment Inventory

1	Printed documents
2	Server module
3	Customer information sheet (provides a record of shipped items)

▼ Install Optional Components

♦ **Before installing the server module into the chassis, install any optional internal components that you plan to use with the server module.**

For instructions on installing optional components, refer to the documentation for each component and to the *Netra SPARC T5-1B Server Module Service Manual*.
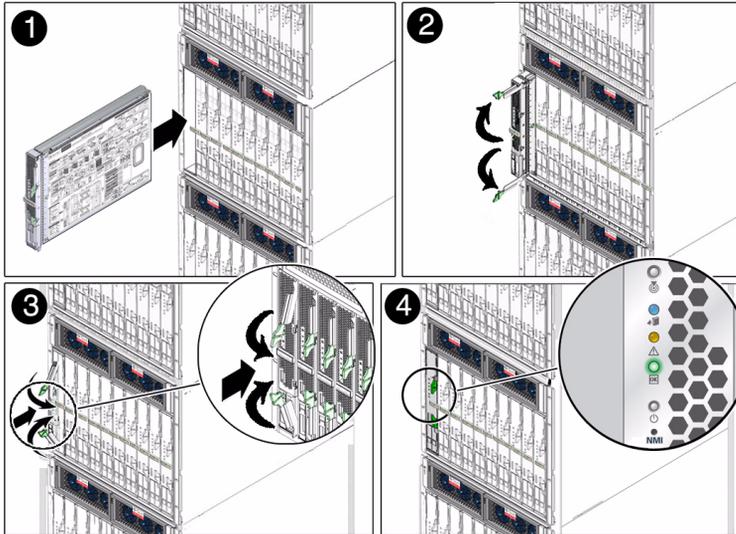
▼ Install the Server Module Into the Chassis

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

⚠️ **Caution** – Due to cooling restrictions, you must install the server module into the chassis within 60 seconds of removing the filler panel.

1. **Unpack the server module.**

2. **Remove the protective connector cover from the rear of the server module.**

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

4. **With the ejector levers on the right, insert the server module into the chassis (panel 1) until it is about 1.5 cm (.5 in.) from the front of the chassis.**
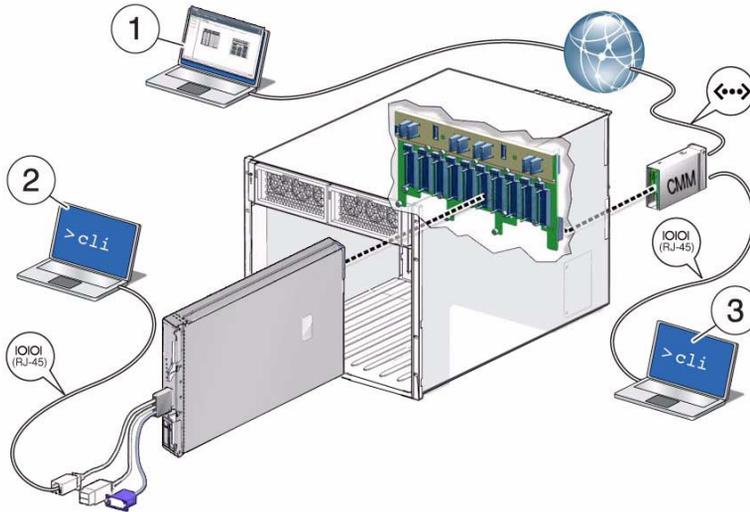

5. **Pinch the ejector levers to open them (panel 2).**

6. **Push the server module into the chassis and close the ejector levers (panel 3).**

7. **Verify the server module insertion (panel 4) 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). After about 10 seconds, the front panel LEDs blink three times, then the green OK LED blinks for a few minutes. The server module SP generates messages as soon as the server module is connected to a powered modular system.

▼ Determine Your Connection Method

Use the Oracle Integrated Lights Out Manager (Oracle ILOM) software that runs on the server module SP to start, boot, and manage the server module. You can access the SP in several ways as shown in the following figure.

♦ **Connect to the server module using one of the methods shown in the following figure and table.**

This guide describes methods 1 and 2, but you can use other methods as described in the *Netra SPARC T5-1B Server Module Installation Guide*.

Method	Connection	Requirements
1	Ethernet **From:** CMM NET MGT port **To:** Your network	• Know the IP address of the CMM. • Know the CMM Oracle ILOM user and password account information. Note – You can use the CMM Oracle ILOM web interface or CLI. See "Method 1 – Power On the Host Through the CMM (Web Interface)" on page 4.
2	Serial **From:** Server module SP UCP port **To:** Terminal device	• A terminal device and serial cable • Dongle cable Note – You communicate directly with the server module SP using the Oracle ILOM CLI. See "Method 2 – Power On the Host Through the Front Panel (SP CLI)" on page 4.
3	Serial **From:** CMM SER MGT port **To:** Terminal device	• A terminal device and serial cable • Know the CMM Oracle ILOM user and password account information. Note – You communicate through the CMM using the Oracle ILOM CLI. Refer to the *Netra SPARC T5-1B Server Module Installation Guide* for instructions.

▼ Method 1 – Power On the Host Through the CMM (Web Interface)

In this procedure, you use the CMM Oracle ILOM 3.1 or 3.2.1 web interface to access the server module SP. If your CMM is instead running Oracle ILOM 3.0, refer to the Oracle ILOM 3.0 documentation.

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

   Refer to the modular system documentation for details.

2. **Access the Oracle ILOM web interface on the CMM.**

   In a browser on the same network as the modular system, type: **http://***cmm_ip_address*

   where *cmm_ip_address* is your CMM IP address. The Oracle ILOM login page is displayed.

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

   The factory default Oracle ILOM `root` password is changeme, but might have been changed in your environment.

4. **In the upper left corner of the window, change Manage Chassis to Manage Blade** *n***, where** *n* **is the slot in which the blade is installed (starting from 0).**

5. **In the Actions panel next to Power State, click the Turn On button.**

6. **Click OK to confirm the power on action.**

7. **In the left navigation panel, click on Remote Control > Redirection.**

8. **Select Use serial redirection, and click Launch Remote Console.**

   If your server module has a drive, the host boots from the preinstalled OS. Messages are displayed in the host console. When the booting completes, you are automatically prompted for Oracle Solaris OS configuration information. Go to "Set Up the Operating System" on page 5.

▼ Method 2 – Power On the Host Through the Front Panel (SP CLI)

In this procedure, you use a dongle cable to connect directly to the front of the server module. Commands are performed using the Oracle ILOM CLI.

1. **Connect the dongle cable to the UCP port on the server module front panel.**

   A dongle cable is provided with each modular system (chassis).

   The dongle cable is intended for temporary installation and configuration.

2. **Configure and connect a terminal device to the serial connector on the dongle cable.**

   On UCP-3 dongles, use the RJ-45 serial connector. On UCP-4 dongles, use the DB-9 serial connector.

   Set up the terminal device for 8 bits, no parity, 1 stop bit, 9600 baud rate, and no flow control.

   The Oracle ILOM login prompt is displayed on the terminal.

3. **Enter the following factory default user name and password:**

   - **User name**: `root`
   - **Password**: `changeme`

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

4. **Power on the server module and start the host console.**

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

The server module initializes.

If your server module has a drive, the host boots from the preinstalled OS. Messages are displayed in the host console. When the booting completes, you are automatically prompted for Oracle Solaris OS configuration information.

▼ Set Up the Operating System

If a local boot device is accessible and if the Oracle Solaris OS is preinstalled, you are prompted for OS configuration information in the host console. Otherwise, the host seeks a boot device on the network.

♦ **Configure the preinstalled OS or reinstall a supported OS to suit your needs.**

For details on the Oracle Solaris OS configuration process, refer to the *Netra SPARC T5-1B Server Module Installation Guide* and the installation guides for your version of the Oracle Solaris OS.

Note – Consider using Oracle VM Server. Oracle VM Server 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.

▼ Check for the Latest OS Updates, Patches, and Firmware

Some server module features are enabled only when certain updates, patches, or firmware versions are installed. Install the latest available versions for the best performance, security, and stability.

1. **Review the *Netra SPARC T5-1B Server Module Product Notes.***

   See

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

2. **Download the latest available versions from My Oracle Support at:**

   https://support.oracle.com

Related Documentation

Documentation	Links
All Oracle products	http://docs.oracle.com
Netra SPARC T5-1B server module	http://www.oracle.com/goto/NETRA-T5-1B/docs
Sun Netra 6000 modular system	http://www.oracle.com/goto/SN6000/docs
Oracle ILOM	http://www.oracle.com/goto/ILOM/docs
Oracle Solaris 11 OS	http://www.oracle.com/goto/Solaris11/docs
Oracle Solaris 10 OS	http://www.oracle.com/goto/Solaris10/docs
Oracle VM for SPARC	http://www.oracle.com/goto/VM-SPARC/docs

Feedback

Provide feedback on this document at: http://www.oracle.com/goto/docfeedback

Support and Accessibility

Oracle customers have access to electronic support through My Oracle Support. For information visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info or visit http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs if you are hearing impaired.