

**Netra Blade X3-2B  
(formerly Sun Netra X6270 M3 Blade)  
for Oracle Solaris Operating System**

Installation Guide



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November 2012

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# Using This Documentation

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This documentation describes how to install the Oracle Solaris Operating System and obtain updates and new releases.

- “Product Notes” on page v
- “Related Documentation” on page v
- “Support and Accessibility” on page vi

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## Product Notes

For late-breaking information and known issues about this product, see the product notes at:

<http://www.oracle.com/pls/topic/lookup?ctx=NetraBladeX3-2B>

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## Related Documentation

Documentation	Link
All Oracle products	<a href="http://www.oracle.com/documentation">http://www.oracle.com/documentation</a>

Documentation	Link
Netra Blade X3-2B	<a href="http://www.oracle.com/pls/topic/lookup?ctx=NetraBladeX3-2B">http://www.oracle.com/pls/topic/lookup?ctx=NetraBladeX3-2B</a>
Oracle Integrated Lights Out Manager (ILOM) 3.1	<a href="http://www.oracle.com/pls/topic/lookup?ctx=ilom31">http://www.oracle.com/pls/topic/lookup?ctx=ilom31</a>
Oracle Hardware Management Pack	<a href="http://www.oracle.com/pls/topic/lookup?ctx=ohmp">http://www.oracle.com/pls/topic/lookup?ctx=ohmp</a>

## Support and Accessibility

Description	Links
Access electronic support through My Oracle Support	<a href="http://support.oracle.com">http://support.oracle.com</a>  For hearing impaired: <a href="http://www.oracle.com/accessibility/support.html">http://www.oracle.com/accessibility/support.html</a>
Learn about Oracle's commitment to accessibility	<a href="http://www.oracle.com/us/corporate/accessibility/index.html">http://www.oracle.com/us/corporate/accessibility/index.html</a>
Find out about training	<a href="http://education.oracle.com">http://education.oracle.com</a>

# About Oracle Solaris OS Installation

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- [“Oracle Solaris Installation Task Table” on page 1](#)
- [“Supported OS Versions and Latest Information” on page 1](#)
- [“OS Installation Options” on page 2](#)

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## Oracle Solaris Installation Task Table

Use the following task table to assist you with installing a supported version of Oracle Solaris on your Netra Blade X3-2B.

Step	Description	Link
1	Review the list of supported Windows OS versions and learn how to obtain the latest and most up-to-date information about the server software and hardware.	<a href="#">“Supported OS Versions and Latest Information” on page 1</a>
2	Review the options for single server or multiple server OS installations.	<a href="#">“OS Installation Options” on page 2</a>
3	Get an overview of Oracle System Assistant and how you can use it to manage your server.	<a href="#">“Oracle System Assistant” on page 4</a>
4	Prepare for the OS installation by performing necessary procedures.	<a href="#">“Preparing to Install the OS” on page 7</a>

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## Supported OS Versions and Latest Information

Use this section to learn about the supported versions of the Oracle Solaris operating system (OS) and how to get the latest server-related information:

- “Supported Oracle Solaris Operating System Versions” on page 2
- “Latest Information in Product Notes” on page 2

## Supported Oracle Solaris Operating System Versions

At the time of publication of this document, the Netra Blade X3-2B supports the following Oracle Solaris operating systems:

- Oracle Solaris 10 08/11
- Oracle Solaris 11

For updates to the list of supported operating systems, see the *Netra Blade X3-2B Product Notes*.

### Related Information

- “Latest Information in Product Notes” on page 2

## Latest Information in Product Notes

The most up-to-date information about your blade is maintained in the *Netra Blade X3-2B Product Notes*. The Product Notes document contains detailed information about the available firmware updates and any hardware or software issues for the blade. This document and other server-related documents are available online in the blade's documentation library at:

[http://www.oracle.com/pls/topic/lookup?ctx=Sun\\_Netra\\_X6270\\_M3](http://www.oracle.com/pls/topic/lookup?ctx=Sun_Netra_X6270_M3)

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## OS Installation Options

You can choose to install an OS on a single blade or on multiple blades. The scope of this document is for single server OS installations. The table below provides some information about these two installation options.

Option	Description
Multiple servers	See <a href="http://www.oracle.com/technetwork/oem/ops-center/index.html">http://www.oracle.com/technetwork/oem/ops-center/index.html</a>
Single server	<p>Installs an OS to a single blade using one of the following methods:</p> <ul style="list-style-type: none"> <li>• Locally: OS installation is performed locally at the blade. This option is recommended if you have just completed the physical installation of the blade in the rack. Additional hardware is required.</li> <li>• Remotely: OS installation is performed from a remote location. Uses the Oracle ILOM Remote Console application to access Oracle System Assistant or to perform a manual OS installation.</li> </ul>

## Related Information

- [“Single-Blade Installation Methods” on page 3](#)

# Single-Blade Installation Methods

Select a method for providing the Oracle Solaris installation media. Use the following information to determine the local or remote OS installation that best serves your needs.

Media Delivery Method	Additional Requirements
<b>Local assisted OS installation</b> – Uses Oracle System Assistant.	A monitor, USB keyboard and mouse, a USB device, and Oracle Solaris distribution media. For more information, see <a href="#">“Assisted OS Installation” on page 4</a>
<b>Remote assisted OS installation</b> – Uses Oracle System Assistant.	Oracle ILOM Remote Console application, a redirected CD/DVD drive or ISO image file, and Oracle Solaris distribution media. For more information, see <a href="#">“Assisted OS Installation” on page 4</a>
<b>Local using a CD/DVD drive</b> – Uses a physical CD/DVD drive connected to the blade.	A monitor, USB keyboard and mouse, a USB CD/DVD drive, and Oracle Solaris distribution media. For more information, see <a href="#">“Manual OS Installation” on page 4</a>
<b>Remote using a CD/DVD drive or CD/DVD ISO image</b> – Uses a redirected physical CD/DVD drive on a remote system running the JavaRConsole Oracle ILOM application.	A remote system with a browser, an attached physical CD/DVD drive, Oracle Solaris distribution media, and network access to the server management port. For more information, see <a href="#">“Manual OS Installation” on page 4</a>

## Assisted OS Installation

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**Note** – Oracle System Assistant does not currently support the Oracle Solaris OS for assisted installation.

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This is the easiest method for installing a supported OS on the blade. This method involves using the Oracle System Assistant application. You deliver the Oracle Solaris OS installation media on either a local or remote CD/DVD drive or CD/DVD image, and use the Oracle System Assistant Install OS task to initiate the installation process. To use the Install OS task, Oracle System Assistant must support the OS for assisted installation.

For server-related updates and information, see the *Netra Blade X3-2B Product Notes*.

## Manual OS Installation

With this method, you deliver the Oracle Solaris distribution media on either a local or remote CD/DVD drive, USB device, or CD/DVD image. You also need to supply the necessary drivers. The drivers for the blade are available from the My Oracle Support site as server-specific and OS-specific packages. To install the OS, use the distribution media's installation wizard.

### Related Information

- [“Oracle System Assistant” on page 4](#)

## Oracle System Assistant

Oracle System Assistant is a single-server system startup and maintenance tool for x86 Sun Fire, Sun Netra, and Sun Blade servers. It integrates Oracle's Single System Management products and a selection of related software to provide a suite of tools that allow for the quick and convenient startup and maintenance of the blade. The components of Oracle System Assistant include:

- Hardware Management Pack
- User interface access to startup and maintenance provisioning tasks (including Install OS task\*)
- Oracle Linux command-line environment
- Operating system drivers and tools
- Server-specific firmware
- Server-related documentation

\* OS installation not supported for some operating systems.

Oracle System Assistant is a factory-installed option for Sun Oracle x86 servers. It has all the tools and drivers you need and resides on a USB drive installed in most blades.

- [“Tasks Overview” on page 5](#)
- [“OS Installation Task” on page 5](#)
- [“Obtaining Oracle System Assistant” on page 6](#)

## Tasks Overview

Oracle System Assistant combines a selected set of the most common and useful single-server management provisioning tasks.

The following tasks allow for quick and convenient server startup and ongoing server management:

- System overview and system inventory information
- Online update acquisition for all components (including tools, drivers, and firmware).
- System firmware (BIOS and Oracle ILOM) and host bus adapter firmware updates
- RAID and Oracle ILOM configuration
- Assisted OS installation
- Server network configuration
- Disable feature and embedded media integrity check
- Linux shell terminal window allowing use of the runtime environment
- Oracle Hardware Management Pack access (using Linux shell)
- Oracle System Assistant recovery

### Related Information

- [“OS Installation Task” on page 5](#)

## OS Installation Task

The Oracle System Assistant Install OS task assists in the installation of a supported OS. You supply the OS installation media, and Oracle System Assistant guides you through the installation process. It then fetches the appropriate drivers based on the server hardware configuration. The Install OS task is not available for all

server-supported operating systems. However, once a server-supported OS is installed, you can use Oracle System Assistant to update the OS drivers as well as all the firmware components (BIOS, Oracle ILOM, HBAs, and expanders).

You can access Oracle System Assistant locally or remotely. If you just completed the installation of the blade, then using Oracle System Assistant locally (while physically present at the blade) can be a fast and efficient method of starting up the blade. Once the blade is operational, you can conveniently access Oracle System Assistant remotely while still retaining full-featured functionality.

### **Related Information**

- [“Obtaining Oracle System Assistant” on page 6](#)

## **Obtaining Oracle System Assistant**

If the blade supports Oracle System Assistant, then it might be already installed in the blade. If it is already installed, and you want the latest version, then update Oracle System Assistant by using the Get Updates task. If Oracle System Assistant is installed in the blade, but it has been corrupted or overwritten, then download the recovery ISO image from the My Oracle Support site.

For more information about how to determine if the blade has Oracle System Assistant or how to perform updates and recovery procedures, see the *Netra Blade X3-2B Administration Guide*.

### **Related Information**

- [“Preparing to Install the OS” on page 7](#)

# Preparing to Install the OS

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Before installing the OS, you need to set up the installation method, create a virtual disk, and set the boot device. This section describes the steps for preparing to install an OS. Use the following task table as a guide.

Step	Task	Link
1	You must have already reviewed the OS installation task table.	<a href="#">“About Oracle Solaris OS Installation” on page 1</a>
2	Get the installation documentation.	<a href="#">“Obtaining Oracle Solaris Documentation” on page 7</a>
3	Setup for the installation based on your selected installation method.	<a href="#">“Setting Up the Installation Session” on page 8</a>
4	Prepare the BIOS by loading the optimal default values, and selecting a BIOS mode.	<a href="#">“Setting Up the BIOS” on page 12</a>
5	Install and update the OS	<a href="#">“Installing the Oracle Solaris OS” on page 15</a>

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## Obtaining Oracle Solaris Documentation

Documentation for supported versions of Oracle Solaris operating systems are available at:

- Oracle Solaris 10:  
<http://download.oracle.com/docs/cd/E19253-01/index.html>
- Oracle Solaris 11:  
<http://www.oracle.com/technetwork/documentation/solaris-11-192991.html>

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**Note** – Oracle Solaris documentation is also available on the Documentation DVD included with the Oracle Solaris OS software.

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# Setting Up the Installation Session

This section describes how to set up a local or remote installation session. A local OS installation is performed at the server. A remote OS installation is performed using the JavaRConsole System, the Oracle ILOM Remote Console application, and a redirected CD/DVD drive or CD ISO image.

- [“Set Up for Local Installation” on page 8](#)
- [“Set Up for Remote Installation” on page 9](#)

## ▼ Set Up for Local Installation

Use this procedure to set up for a local installation.

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**Note** – For a local OS installation, additional hardware is required and server web access is recommended.

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- You must have already performed the server installation as described in the *Netra Blade X3-2B Installation Guide*.
- You need the following items:
  - Video monitor with 15-pin (DB-15) connector capabilities
  - USB keyboard and mouse
  - USB device (CD/DVD drive or thumb drive)
- To ensure that the server has the latest updates, server web access is recommended.

1. **Ensure the server is in standby power mode.**
2. **Attach the 3-cable dongle to the universal connector port (UCP) on the front of the blade.**
3. **Connect the video monitor to the video connector on the 3-cable dongle.**
4. **Connect the keyboard and mouse to one of the USB connectors on the front of the server (or to one of the USB connectors on the 3-cable dongle).**
5. **Connect the CD/DVD drive to the other USB connector on the front of the server (or to one of the USB connectors on the 3-cable dongle).**

### Next Steps

[“Setting Up the BIOS” on page 12](#)

## ▼ Set Up for Remote Installation

Use this procedure to set up for a remote installation.

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**Note** – Using the CD-ROM or CD-ROM image option to install the OS significantly increases the time necessary to perform the installation as the content of the CD-ROM is accessed over the network. The installation duration depends on the network connectivity and traffic. This installation method also has a greater risk of issues due to transient network errors.

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The following requirements must be met:

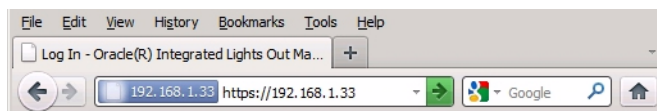
- You must have already performed the server installation as described in the *Netra Blade X3-2B Installation Guide*.
- The JavaRConsole system must be running on Oracle Solaris, Linux, or Windows.
- The JavaRConsole system must be connected to a network that has access to the Sun server Ethernet management port.
- Java Runtime Environment (JRE) 1.5 must be installed.
- If the JavaRConsole system is running Solaris, volume management must be disabled for JavaRConsole to access the CD/DVD-ROM drive.
- If the JavaRConsole system is running Windows, disable Internet Explorer Enhanced Security.
- The server service processor (SP) has been set up according to the instructions in the Oracle ILOM documentation for your server.
- You need the SP IP address to access Oracle ILOM. For information about determining the SP IP address, see *Netra Blade X3-2B Installation Guide*.
- To ensure that the server has the latest updates, server web access is required.

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**Note** – Some of the screen shots shown in this procedure might differ from the screens you see.

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1. **To access Oracle ILOM, type the IP address of the service processor into a web browser on the JavaRConsole system.**



The Security Alert dialog box is displayed.



## This Connection is Untrusted

You have asked Firefox to connect securely to **192.168.1.33:8600**, but we can't confirm that your connection is secure.

Normally, when you try to connect securely, sites will present trusted identification to prove that you are going to the right place. However, this site's identity can't be verified.

### What Should I Do?

If you usually connect to this site without problems, this error could mean that someone is trying to impersonate the site, and you shouldn't continue.

[Get me out of here!](#)

### Technical Details

### I Understand the Risks

If you understand what's going on, you can tell Firefox to start trusting this site's identification. **Even if you trust the site, this error could mean that someone is tampering with your connection.**

Don't add an exception unless you know there's a good reason why this site doesn't use trusted identification.

[Add Exception...](#)

2. Click the I Understand the Risks link.

3. Click Add Exception.

The Oracle ILOM login screen is displayed.

4. Type the user name and password and click Log In.

The default user name is **root**, and default password is **changeme**.

The Oracle ILOM System Summary screen is displayed.

**System Information Summary**  
View system summary information. You may also change power state and view system status and fault information.

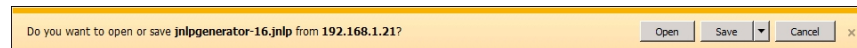
General Information	
Model	-
Serial Number	-
System Type	-
System Identifier	-
System Firmware Version	-
Primary Operating System	-
Host Primary MAC Address	-
Blade Slot	-
ILOM Address	-
ILOM MAC Address	-

Actions	
Power State	<input checked="" type="checkbox"/> ON <input type="button" value="Turn Off"/>
Locator Indicator	<input type="checkbox"/> OFF <input type="button" value="Turn On"/>
Oracle System Assistant	<input type="button" value="Launch"/>
System Firmware Update	<input type="button" value="Update"/>
Remote Console	<input type="button" value="Launch"/>

Status			
Overall Status: <span style="color: red;">✖</span> Service Required Total Problem Count: 2			
Subsystem	Status	Details	Inventory
Processors	<input checked="" type="checkbox"/> OK	Processor Architecture: x86 64-bit Processor Summary: 2 Intel Xeon Processor E5 Series	Processors (Installed / Maximum): 2 / 2
Memory	<input checked="" type="checkbox"/> OK	Installed RAM Size: 96 GB	DIMMs (Installed / Maximum): 24 / 24
Power	<input checked="" type="checkbox"/> OK	Permitted Power Consumption: 403 watts Actual Power Consumption: 69 watts	PSUs (Installed / Maximum): 2 / 2
Cooling	<input checked="" type="checkbox"/> OK	Inlet Air Temperature: 22 °C Exhaust Air Temperature: 29 °C	Fans (Installed / Maximum): 12 / 12

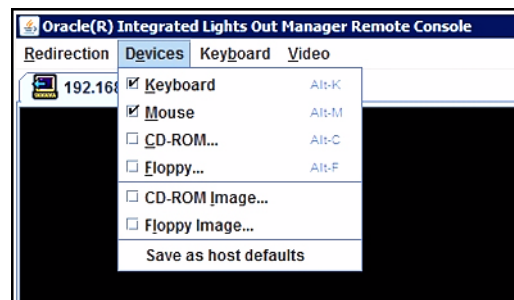
5. Click the Remote Console Launch button.

A dialog box for the `jnlpgenerator.jnlp` file is displayed.



6. Click Open.

The JavaRConsole screen is displayed.



7. From the Devices menu, select one CD item according to the delivery method you have chosen.

- **CD-ROM Remote.** Select CD-ROM to redirect the server to the operating system software CD/DVD contents from the CD/DVD-ROM drive attached to the JavaRConsole system.
- **CD-ROM Image.** Select CD-ROM Image to redirect the server to the operating system software .iso image file located on the JavaRConsole system.

### Next Steps

[“Setting Up the BIOS” on page 12](#)

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## Setting Up the BIOS

Before you install the operating system, ensure that BIOS settings are configured to support the type of installation you plan to perform. The following topics provide specific instructions on how to configure the BIOS to support the installation:

- [“Load BIOS Optimal Default Settings” on page 12](#)
- [“Set the BIOS Mode” on page 13](#)

### ▼ Load BIOS Optimal Default Settings



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**Caution** – This procedure resets the BIOS settings to the default values, and overwrites any previously customized settings. To retain customized settings, review each menu and make note of the customized values before loading the default values.

---

The BIOS Setup Utility contains an option to load the optimal BIOS settings for the server. Perform this procedure on a newly installed server to ensure that the BIOS is set to the optimal default values.

Before you begin, ensure that:

- The server is equipped with a properly installed storage drive.
- A console connection is established to the server.

#### 1. Power on the server.

POST message is displayed on the video (KVM or RKVM) console.

2. Watch the messages, and, when prompted, press F2 to access the BIOS Setup Utility.

The BIOS Setup Utility main screen is displayed.

3. To ensure that the factory defaults are set, press F9.
4. To save the changes, and exit the BIOS Setup Utility, press F10.

### Next Steps

- [“Set the BIOS Mode” on page 13](#)

## ▼ Set the BIOS Mode

The BIOS firmware supports both legacy BIOS and Unified Extensible Firmware Interface (UEFI); the default setting is Legacy. Some operating systems support both legacy BIOS and UEFI BIOS and some support legacy BIOS only. These are the options for setting the BIOS mode before installing the OS:

- If the OS supports legacy BIOS only, you must make sure that BIOS is set to legacy mode before you do the OS installation.
- If the OS supports both legacy BIOS and UEFI BIOS, you have the option of setting BIOS to either legacy mode or UEFI mode before you perform the OS installation.

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**Note** – For the initial release of the Netra Blade X3-2B, the Oracle Solaris OS does **not** support UEFI BIOS. The most up-to-date information about the server hardware and software is available in the *Netra Blade X3-2B Product Notes*.

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1. **Power on the server.**  
POST messages appear on the console.
2. **Watch the messages, and, when the prompt is displayed, press F2 to access the BIOS Setup Utility.**  
The BIOS Setup Utility main screen is displayed.
3. **In the BIOS Setup Utility, use the left or right arrow keys to navigate to the Boot screen.**  
The Boot Menu screen is displayed.
4. **Use the down arrow key to select the UEFI/BIOS Boot Mode field.**
5. **Press Enter and use the up or down arrow keys to select the Legacy BIOS option.**

6. To save the changes, and exit the BIOS Setup Utility, press F10.

### **Next Steps**

- [“Installing the Oracle Solaris OS” on page 15](#)

# Installing the Oracle Solaris OS

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This section describes how to install the Oracle Solaris OS. Procedures for identifying logical and physical network interface names and installing the server system tools are also included.

Step	Description	Links
1	Start the installation.	<a href="#">“Install Supported Versions of the Oracle Solaris OS” on page 15</a>
2	When configuring an operating system for a networked server, you might need to provide the logical name (assigned by the OS) and the physical name (MAC address) of each network interface.	<a href="#">“Identify Logical and Physical Network Interface Names” on page 16</a>
3	Install the Oracle Solaris OS system tools that are included with Oracle System Assistant software and the downloaded software package.	<a href="#">“Installing Server System Tools and Accessing Drivers” on page 19</a>

---

## ▼ Install Supported Versions of the Oracle Solaris OS

Use this procedure to install the OS locally or remotely using CD/DVD installation media or ISO image.

- Perform the procedures in the section, [“Preparing to Install the OS” on page 7](#).
- Review Oracle Solaris OS installation documentation:
  - Oracle Solaris 10:  
<http://download.oracle.com/docs/cd/E19253-01/index.html>
  - Oracle Solaris 11:  
<http://www.oracle.com/technetwork/documentation/solaris-11-192991.html>

1. Ensure that the installation media is installed in the primary boot drive.

2. Power on the server.

The server boots from the CD/DVD or CD/DVD ISO image, and the Solaris Installation Program screen is displayed.

3. Use the text- or GUI-based installation program to install the OS.

---

## ▼ Identify Logical and Physical Network Interface Names

When you are configuring an operating system for a networked server, you might need to provide the logical name (assigned by the OS) and the physical name (MAC address) of each network interface. This topic shows you how to get this information.

Use this procedure to display information about MAC addresses and network interfaces, including their logical and physical names (MAC addresses).

1. From the Install Type menu, select Option (6) Single User Shell and press Enter.

---

**Note** – Alternatively, you can run these commands from a command shell.

---

If a message is displayed about mounting an OS instance, select **q**. Do not mount any OS instance.

The message `Starting Shell` is displayed. See the following figure.

```

1. Solaris Interactive (default)
2. Custom JumpStart
3. Solaris Interactive Text (Desktop session)
4. Solaris Interactive Text (Console session)
5. Apply driver updates
6. Single user shell

Enter the number of your choice.
Selected: 6

Single user shell

Searching for installed OS instances...

Multiple OS instances were found. To check and mount one of them
read-write under /a, select it from the following list. To not mount
any, select 'q'.

1 /dev/dsk/c2t0d0s0 Solaris 10 6/06 s10x_u2wos_08 X86
2 /dev/dsk/c2t1d0s0 Solaris 10 6/06 s10u2_08-0N-WOS X86

Please select a device to be mounted (q for none) [?,??,q]: q

Starting shell.
#

```

2. At the command prompt (#), type the following command to plumb all network interfaces.

```
# ifconfig -a plumb
```

---

**Note** – The plumb process might take some time.

---

3. At the command prompt, type the following command.

```
# ifconfig -a
```

The output of Solaris named interfaces and MAC addresses is displayed.

```
# ifconfig -a | more
e1000g0: flags=1000802<BROADCAST,MULTICAST,IPv4> mtu 1500 index 2
    inet 0.0.0.0 netmask 0
    ether 0:14:4f:c:a1:ee
e1000g1: flags=1000802<BROADCAST,MULTICAST,IPv4> mtu 1500 index 3
    inet 0.0.0.0 netmask 0
    ether 0:14:4f:c:a1:ef
e1000g2: flags=1000802<BROADCAST,MULTICAST,IPv4> mtu 1500 index 4
    inet 0.0.0.0 netmask 0
    ether 0:14:4f:c:a5:d6
e1000g3: flags=1000802<BROADCAST,MULTICAST,IPv4> mtu 1500 index 5
    inet 0.0.0.0 netmask 0
    ether 0:14:4f:c:a5:d7
e1000g4: flags=1000802<BROADCAST,MULTICAST,IPv4> mtu 1500 index 6
    inet 0.0.0.0 netmask 0
    ether 0:14:4f:c:a1:4e
e1000g5: flags=1000842<BROADCAST,RUNNING,MULTICAST,IPv4> mtu 1500 index 1
    inet 0.0.0.0 netmask 0
    ether 0:14:4f:c:a1:4f
e1000g6: flags=1000802<BROADCAST,MULTICAST,IPv4> mtu 1500 index 7
    inet 0.0.0.0 netmask 0
    ether 8:0:20:b6:ce:94
e1000g7: flags=1000802<BROADCAST,MULTICAST,IPv4> mtu 1500 index 8
    inet 0.0.0.0 netmask 0
#
```

In the sample output:

- The `e1000g#` entry in the first column refers to the Solaris logical named interface. This first column in the output identifies the logical names assigned by Solaris to the network interfaces.
- The `ether #:#:#:#:#:#` entry in second column (third row) refers to the physical MAC address name of the network port.

For example:

The physical MAC address for the Solaris named network interface is `e1000g0` is `0:14:4f:c:a1:ee`.

**4. Save this information to a file, or write it down.**

**5. When you are done, to start the system configuration script, type `sys-unconfig(1M)` at the command line.**

This command restores the system configuration to the factory defaults.



---

**Caution** – The `sys-unconfig(1M)` command halts the system and restores the factory settings. Do not run this command unless you are ready to reconfigure your system.

---

For example:

```
# sys-unconfig
WARNING
This program will unconfigure your system.  It will cause it
to revert to a blank system - it will not have a name or know
about other systems or networks.
This program will also halt the system.
Do you want to continue (y/n) ?
```

The system reboots and the configuration script starts.

---

## Installing Server System Tools and Accessing Drivers

Use these procedures to access server system tools and update system drivers using the software available with the Oracle System Assistant and the Oracle Solaris OS software package.

- [“Install Server System Tools” on page 19](#)
- [“Access System Drivers” on page 21](#)

### ▼ Install Server System Tools

Server system tools, which include Oracle Hardware Management Pack and LSI MegaRAID Storage Manager (LSI MSM), are available with the Oracle System Assistant software and the downloaded Oracle Solaris OS software package.

Use this procedure to access and to install the server system tools.

**1. Do one of the following:**

- If your system does *not* have Oracle System Assistant:
  - a. Download the latest server system tools and drivers package from the My Oracle Support site.

For more information, see *Netra Blade X3-2B Product Notes*.

**b. Unzip the downloaded tools and drivers package to the server.**

**c. Within the unzipped directory file system, navigate to the Solaris OS Tools folder:**

`Solaris/OS_name/version/Tools`

where *OS\_name* is the installed Oracle Solaris OS.

■ If your system has Oracle System Assistant:

**a. From the OS, open a file browser and navigate to the Oracle System Assistant USB device.**

The USB device is named `ORACLE_SSM`.

**b. Navigate to the appropriate Solaris OS Tools folder, using the following path structure:**

`Solaris/OS_name/version/Tools`

where *OS\_name* is the installed Oracle Solaris OS.

**2. To install the tools, do the following:**

■ To install LSI MSM:

For important information, see the `readme.txt` file located in the `Tools/MSM` directory.

**a. Navigate to the `MSM/disk` directory and run the `install.sh` file.**

**b. Follow the progress of the script until the installation is finished.**

For more information, see the LSI MSM installation instructions at:

[http://www.lsi.com/sep/Pages/oracle/sg\\_x\\_sas6-r-rem-z.aspx](http://www.lsi.com/sep/Pages/oracle/sg_x_sas6-r-rem-z.aspx)

■ To install Mega CLI:

For important information, see the `readme.txt` file located in the `Tools/MegaCLI` directory.

**a. Navigate to the `MegaCLI` directory and run the `MegaCLI.sh` file.**

**b. Follow the progress of the script until the installation is finished.**

■ To install the Oracle Hardware Management Pack, see the instructions at:

<http://www.oracle.com/pls/topic/lookup?ctx=ohmp>

See the `hmp-prerequisite-installation.txt` Read Me file in the `hmp-tools/oracle-hmp-version/SOFTWARE` directory (where *version* is the version of Oracle HardwareManagement Pack).

## ▼ Access System Drivers

Use this procedure to access the `Drivers` directory on Oracle System Assistant and the Oracle Solaris OS download package.

- **Do one of the following:**

- If your system does *not* have Oracle System Assistant:

- a. **Download the latest server system tools and drivers package from the My Oracle Support site.**

For more information, see *Netra Blade X3-2B Product Notes*.

- b. **Unzip the downloaded tools and drivers package to the server.**

- c. **Within the unzipped directory file system, navigate to the Solaris OS Drivers folder:**

`Solaris/OS_name/version/Drivers`

where *OS\_name* is the installed Oracle Solaris OS.

- If your system has Oracle System Assistant:

- a. **From the OS, open a file browser and navigate to the Oracle System Assistant USB device.**

The USB device is named `ORACLE_SSM`.

For USB mounting instructions, see the *Netra Blade X3-2B Administration Guide*.

- b. **Navigate to the appropriate Solaris OS Drivers folder, using the following path structure:**

`Solaris/OS_name/version/Drivers`

where *OS\_name* is the installed Oracle Solaris OS.



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