Netra Blade X3-2B
(formerly Sun Netra X6270 M3 Blade)
for Windows Operating System

Installation Guide

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Contents

Using This Documentation

This documentation describes how to install the Windows Operating System on your blade and obtain updates and new releases.

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`

Related Documentation

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

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Support and Accessibility

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

About Windows OS Installation

This section provides an overview of the Windows OS installation. Use the following task table to assist you.

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.	"Supported OS Versions and Latest Information" on page 1
2	Review the options for single server or multiple server OS installations.	"OS Installation Options" on page 3
3	Prepare for the installation by performing required procedures.	"Preparing to Install the OS" on page 9
4	Install the OS.	"Installing the Windows OS" on page 17

Supported OS Versions and Latest Information

Use this section to learn about the supported versions of the Windows OS and how to get the latest server-related information:

Supported Windows Operating Systems

The Netra Blade X3-2B supports the following minimum versions of the Microsoft Windows operating systems:

- Microsoft Windows Server 2008 R2 SP1
  - Standard Edition (64-bit)
  - Enterprise Edition (64-bit)
  - Datacenter Edition (64-bit)
- Microsoft Windows Server 2008 SP2
  - Standard Edition (64–bit)
  - Enterprise Edition (64-bit)
  - Datacenter Edition (64-bit)

Related Information

- "Latest Information in Product Notes" on page 2

Latest Information in Product Notes

The most up-to-date information about the blade is maintained in the *Netra Blade X3-2B Product Notes*. This document contains detailed information about the available firmware updates and any hardware or software issues for the blade. Server-related documents are available online in the blade documentation library. See `http://www.oracle.com/pls/topic/lookup?ctx=Sun_Netra_X6270_M3`.

OS Installation Options

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

Option	Description
Multiple servers	See the Enterprise Manager page at: http://www.oracle.com/technetwork/oem/ops-center/index.html
Single server	Install an OS to a single server using one of the following methods: • Locally: OS installation is performed locally at the blade. This option is convenient if you have just completed the physical installation of the blade in the rack. You can use Oracle System Assistant, or perform the installation manually. Additional hardware is required. • Remotely: OS installation is performed from a remote location. Uses the Oracle Integrated Lights Out Manager (ILOM) RemoteConsole application to access Oracle System Assistant or to perform a manual OS installation. **Note -** Use Oracle System Assistant for local or remote single server OS installations.

Related Information

- "Single-Blade Installation Methods" on page 3
- "Oracle System Assistant" on page 6

Single-Blade Installation Methods

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

Media Delivery Method	Requirements
Local assisted OS installation – Uses Oracle System Assistant.	• Video monitor • USB keyboard and mouse • USB CD/DVD drive • Windows distribution media For more information, see "Assisted OS Installation" on page 5
Remote assisted OS installation – Uses Oracle System Assistant.	• Oracle ILOM Remote Console application • Redirected CD/DVD drive or ISO image file • Windows distribution media For more information, see "Assisted OS Installation" on page 5
Local manual OS installation using a CD/DVD drive – Uses a physical CD/DVD drive connected to the blade.	• Video monitor • USB keyboard and mouse • USB CD/DVD drive • Windows distribution media For more information, see "Manual OS Installation" on page 5
Remote manual OS installation using a CD/DVD drive or CD/DVD ISO image – Uses a redirected physical CD/DVD drive on a remote system running the Oracle ILOM Remote Console application.	• Remote system with a browser • CD/DVD drive or ISO image • Windows distribution media • Network access to the server management port For more information, see "Manual OS Installation" on page 5
Network PXE install – Uses a customized Windows Imaging Format (WIM) image on a Windows Deployment Services (WDS) server.	A server running WDS and a WIM image customized for the blade. See "Windows Deployment Services OS Installation" on page 5

Assisted OS Installation

This is the easiest method for installing a supported OS on the blade. This method involves using Oracle System Assistant. You deliver the Windows OS installation media on either a local or remote CD/DVD drive or CD/DVD image, and the application initiates the installation the process. Oracle System Assistant must be installed in the blade. For more information about Oracle System Assistant, see *Netra Blade X3-2B Administration Guide*.

Manual OS Installation

With this method, you do not use Oracle System Assistant to install an OS. Instead, you deliver the Windows distribution media on either a local or remote CD/DVD drive, USB device, or CD/DVD image. You also need to supply the necessary tools and drivers. The tools and 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.

Windows Deployment Services OS Installation

You can install Windows from a deployment server environment. Advanced users can create a customized Windows installation image (WIM) for the blade on a Windows Deployment Services (WDS) server. Once this installation image file has been created, you can boot the blade from its network card and select the image from the WDS system for deployment. For more information about WDS, `http://msdn.microsoft.com/en-us/library/aa967394.aspx`

Related Information

- "Oracle System Assistant" on page 6

Oracle System Assistant

Oracle System Assistant is a single-server system management tool for x86 Sun Fire, Sun Netra, and Sun Blade servers. It integrates Oracle's Single Server 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
- Oracle Linux command-line environment
- Operating system drivers and tools (formerly Tools and Drivers CD/DVD)
- Server-specific firmware
- Server-related documentation

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.

For more information about Oracle System Assistant, see the following topics:

- "Oracle System Assistant Tasks Overview" on page 6
- "Oracle System Assistant OS Installation Task" on page 7
- "Obtaining Oracle System Assistant" on page 7

Oracle System Assistant Tasks Overview

Oracle System Assistant consists of a set of common and useful single-server management provisioning tasks:

- Assisted OS installation
- 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, Oracle ILOM (SP) configuration
- 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

- "Oracle System Assistant OS Installation Task" on page 7

Oracle System Assistant OS Installation Task

The Oracle System Assistant's Install OS task provides an assisted installation of a supported OS. You supply the OS installation media, and Oracle System Assistant initiates the installation process. The assisted OS installation 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 components (firmware, tools, drivers, and other related software).

Related Information

- "Obtaining Oracle System Assistant" on page 7

Obtaining Oracle System Assistant

If the server supports Oracle System Assistant, then it might be already installed.

- 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, download the recovery ISO image from the My Oracle Support web site.
- If the blade supports Oracle System Assistant, but it is not installed, contact your Oracle representative.

Related Information

- *Netra Blade X3-2B Administration Guide*

Preparing to Install the OS

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

Step	Description	Links
1	You must have already reviewed the OS installation task table.	"About Windows OS Installation" on page 1
2	Set up for the installation based on the selected installation method.	• For local installation: "Set Up for Local Installation" on page 10 • For remote: "Set Up for Remote Installation" on page 11
3	Prepare the BIOS by loading the optimal default values, and selecting a BIOS mode.	"Setting Up the BIOS" on page 14
4	When you have finished with the preparation procedures, install the OS.	"Installing the Windows OS" on page 17

Setting Up the Installation Method

▼ Set Up for Local Installation

A local OS installation is performed at the server. The preferred procedure for a local installation method is to use the Oracle System Assistant's Install OS task. Use this procedure to set up for a local Oracle System Assistant assisted installation or a local manual (unassisted) installation.

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

- 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 14

▼ Set Up for Remote Installation

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. The preferred procedure for a remote installation is to use Oracle System Assistant's assisted Install OS task. Use this procedure to set up for a remote Oracle System Assistant assisted installation or a remote manual (unassisted) installation.

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.

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 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.
- To ensure that the server has the latest updates, server web access is required.

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

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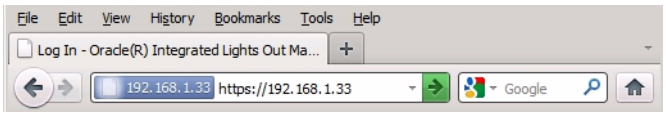
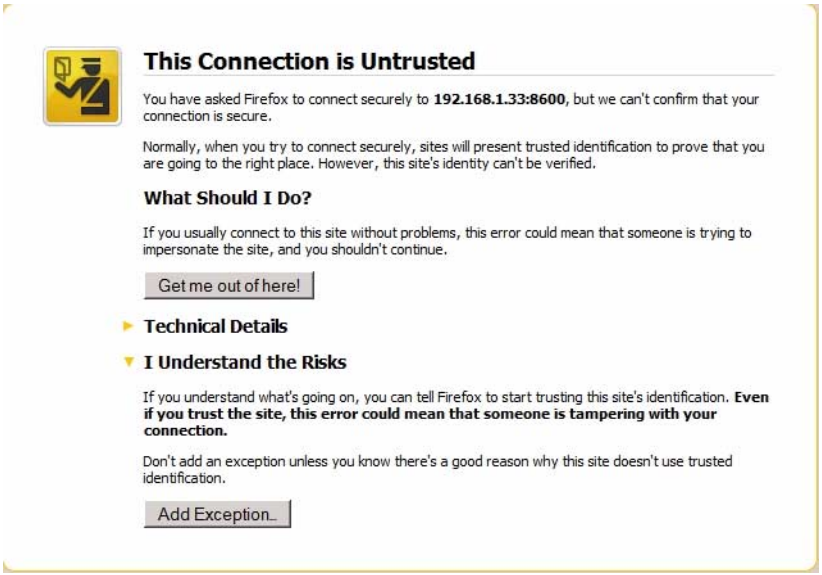
1. **To access Oracle ILOM, type the IP address of the service processor into a browser on the JavaRConsole system.**



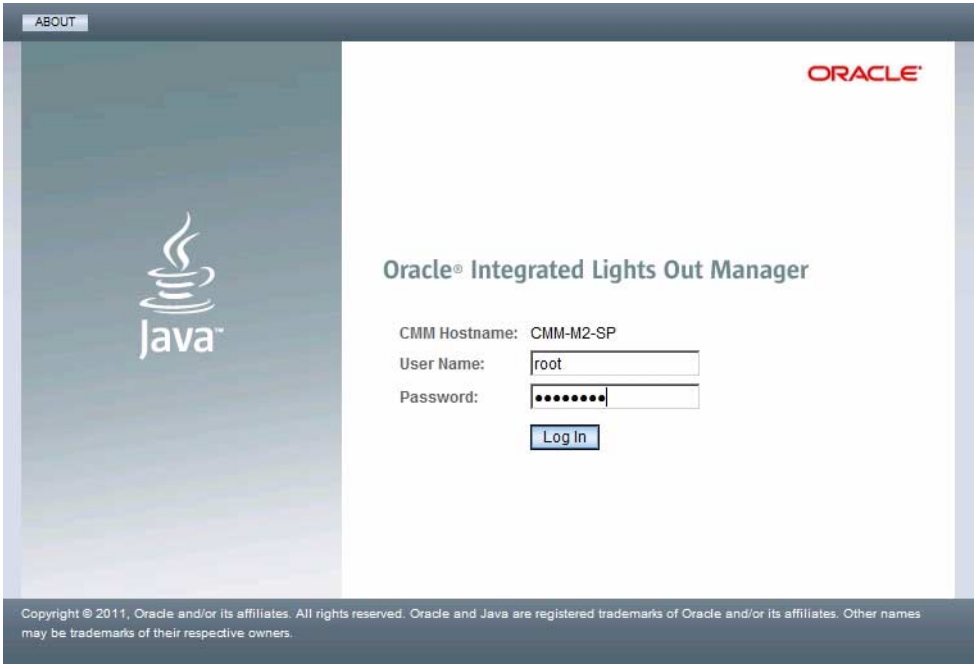
   The Security Alert dialog box is displayed.



2. **Click the I Understand the Risks link.**

3. **Click Add Exception.**

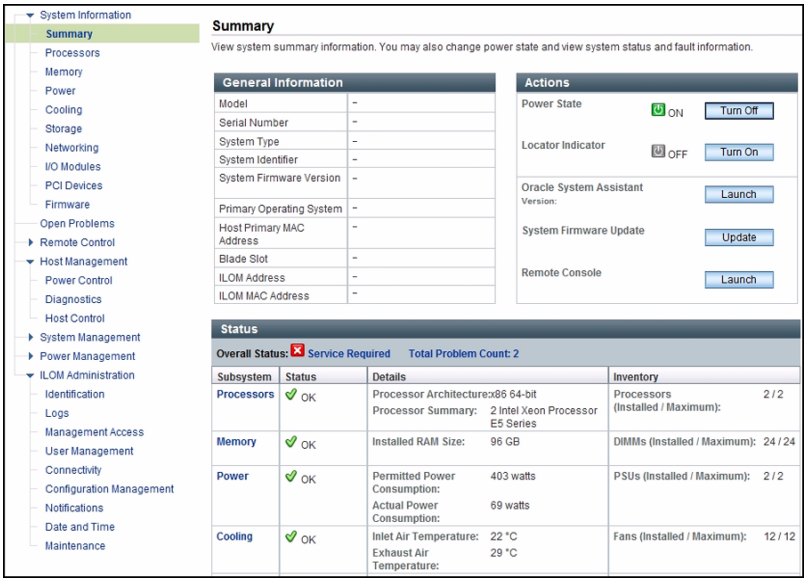
   The Oracle ILOM login screen is displayed.



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.

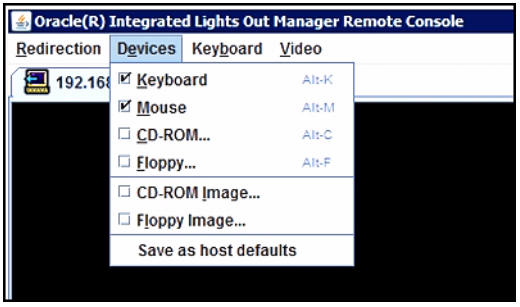


5. **Click the Remote Console Launch button.**

   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 14

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 14
- "Set the BIOS Mode" on page 15

▼ Load BIOS Optimal Default Settings

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.

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

1. **Power on the server.**

   POST messages appear on the 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 15

▼ 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.

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 Windows OS" on page 17

Installing the Windows OS

This section describes the OS installation process. Use the following task table as a guide.

Step	Description	Links
1	You must have already performed the steps in the Preparing to Install the OS task table.	"Preparing to Install the OS" on page 9
2	Install Windows using the selected method.	• "Install Windows (Oracle System Assistant)" on page 18 • "Install Windows Server 2008 R2 Manually" on page 20 • "Install Windows Server 2008 (PXE)" on page 24
3	Update server system tools, drivers, and supplemental software.	"Installing Server System Tools and Updating Drivers" on page 25

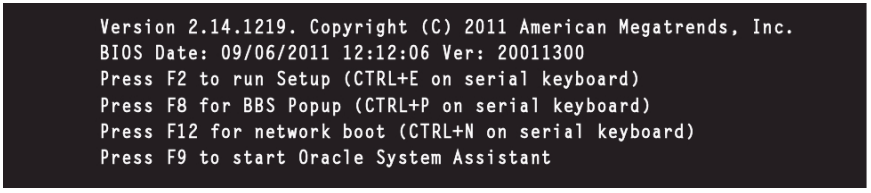
▼ Install Windows (Oracle System Assistant)

The Oracle System Assistant Install OS task is the easiest method for installing a supported OS on the Netra Blade X3-2B.

For more information about Oracle System Assistant, see the *Netra Blade X3-2B Administration Guide*.

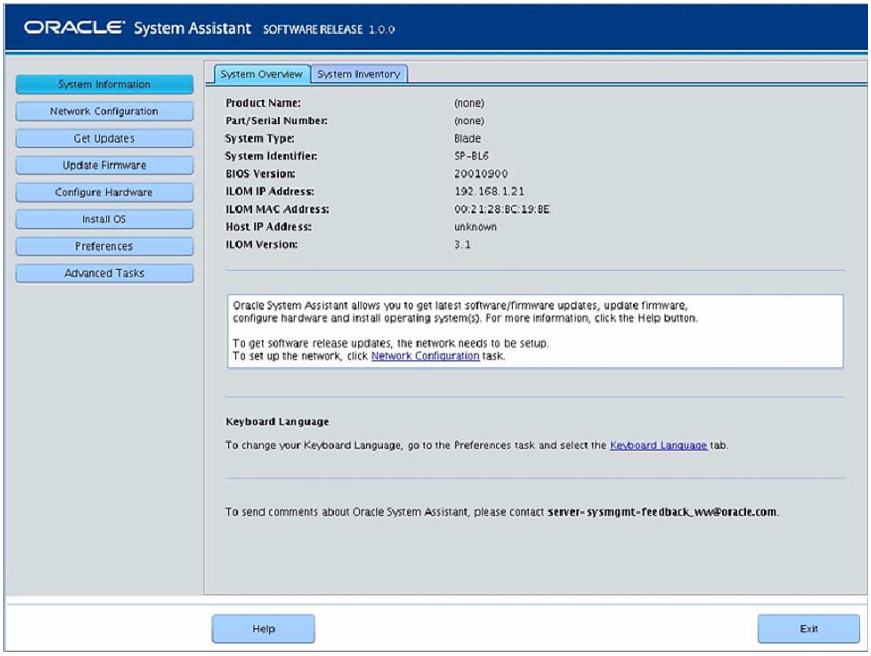
- Reference the OS installation task table. See "Installing the Windows OS" on page 17
- If you want to configure your boot drive for RAID 1 (mirroring) using the LSI Logic integrated RAID controller's setup utility, press Ctrl+H (or Ctrl+C from the command line during server POST sequence). You must configure RAID for the boot disk *before* you install the Windows operating system. For more details, see the *Netra Blade X3-2B Installation Guide*.
- Get the Windows OS install distribution media.
- For local installation, have the Microsoft Windows installation media available to insert into the attached physical CD/DVD-ROM drive.
- For remote installation:
  - Insert the Microsoft Windows installation media into the system's CD/DVD-ROM drive. Make sure you have selected CD-ROM from the Device menu.
  - If you are using the Windows image, ensure that the ISO image is accessible. Make sure you have selected CD-ROM Image from the Device menu.

1. **Ensure that the server is in standby power mode.**
2. **Boot the server and watch the video monitor or Remote Console screen for the prompt to press the F9 key to start Oracle System Assistant.**



3. **When the prompt is displayed, press the F9 key.**

   The Oracle System Assistant System Overview main screen is displayed.



4. **To update Oracle System Assistant, click Get Updates.**

   This ensures that Oracle System Assistant has the latest firmware and tools and drivers before you begin the OS installation.

Note – Web access is required to update Oracle System Assistant.

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5. **Click the Update Firmware button.**

   This ensures that the server has the latest firmware and drivers before you begin the OS installation.

6. **Click the Install OS button.**

   The Install OS screen is displayed.

7. **To ensure that you are installing a supported version of the OS, review the list in the View supported operating systems window.**

8. **In the Select your media location section, indicate the location of the OS distribution media.**

   The options are CD/DVD or virtual drive.

9. **Follow the prompts until the installation is finished.**

   The server reboots one or more times during the installation process.

Related Information

- "Installing Server System Tools and Updating Drivers" on page 25

▼ Install Windows Server 2008 R2 Manually

This section describes how to install the OS without the use of Oracle System Assistant. The OS can be installed using either a local or remote method.

Caution – Data loss. The OS installation formats the boot disk, which erases any existing data on the disk, including any preinstalled OS.

- Set up the server for the OS installation of choice (local or remote). See "Set Up for Local Installation" on page 10 and "Set Up for Remote Installation" on page 11
- If necessary, prepare a volume on the server hard drives and set the boot device. See the *Netra Blade X3-2B Installation Guide*.
- Acquire the Windows OS install distribution media.
- For local installation: Insert the Microsoft Windows Server 2008 R2 installation media into the attached physical CD/DVD-ROM drive when prompted.
- For remote installation: Insert the Windows Server installation media into the JavaRConsole system's CD/DVD-ROM drive. Make sure you have selected CD-ROM in the Device menu.
- If you are using a Windows image: Ensure that the Windows Server installation ISO image is accessible from the remote system. Make sure you have selected CD-ROM Image in the Device menu.

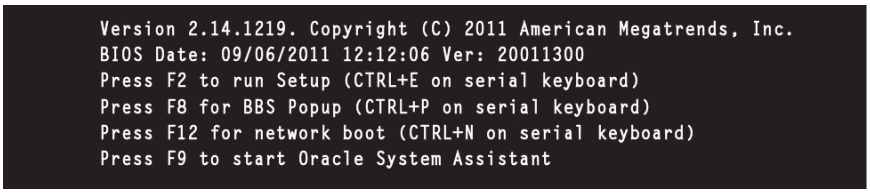
1. **Power cycle the server.**

   If you are using the Windows Remote or Windows Image method, you can do this through Oracle ILOM.

   The BIOS POST process begins.

2. **Watch the screen for the BIOS menu to appear.**

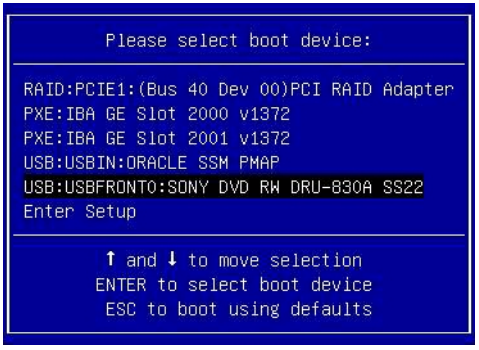
Note – BIOS POST messages, including the BIOS menu options list, can go by quickly. If you miss the messages, power cycle the server and hold down the F8 key during boot until the BBS Popup menu is displayed.



3. **When the BIOS menu options list is displayed, press F8 to access the BBS Popup menu.**

   Once the BIOS POST process is complete, the BBS Popup menu is displayed. The BBS Popup menu allows you to select a boot device.

   A sample BBS Popup menu screen:



4. **If you have selected the Windows Local installation method, insert the Windows media DVD into the connected DVD drive.**

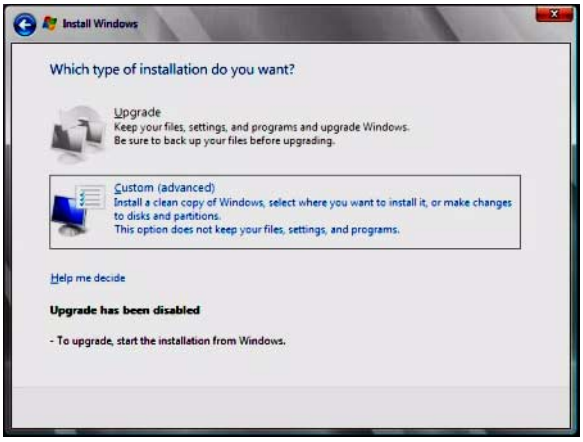
5. **Do one of the following:**

   - If you are using the Windows Local method, select CD/DVD from the Boot Device menu, and press Enter.
   - If you are using the Windows Remote or Windows Image method, select the virtual CD/DVD from the Boot Device menu, and press Enter.

   When prompted with Press any key to boot from CD, quickly press any key.

   The Windows installation wizard starts.

6. **Proceed through the installation wizard until you see the Installation Type, then click Custom (advanced).**



7. **At the "Where do you want to Install Windows" screen:**
   - To add a mass storage driver for Windows Server 2008 SP2, click Load Driver, and browse to the location of the mass storage device driver (CD/DVD or USB flash drive). Select the driver information file (`.inf`).

Note – For Windows Server 2008 SP2, the driver must be accessible through a connected CD/DVD or the Oracle System Assistant USB flash drive. If the driver is not accessible, the disk is not visible as shown below.

   - To select the Windows default partition settings, click Next. Go to Step 9.
   - To override the Windows default partition settings, click Drive Options (advanced) and proceed to the next step.

Caution – Formatting or repartitioning a preexisting partition destroys all data on the partition.

8. **At the Advanced Drive Options screen:**

   a. **Click Delete to delete the existing partition.**

   b. **Click New to create the new partition.**

   c. **Change size settings as needed, and then click Apply.**

   d. **Click Next.**

   The Windows installation begins. During the installation process, the server reboots several times.

   When the installation process is complete, Windows starts and prompts you to change the user password.

9. **Click OK, and assign the administrator password.**

Note – The password must have 8 characters, with one number and one uppercase character. For more details, click the Accessibility link on the account creation screen.

Once you have assigned a password to the Administrator account, the Windows Server 2008 R2 desktop is displayed.

Related Information

- "Installing Server System Tools and Updating Drivers" on page 25

▼ Install Windows Server 2008 (PXE)

The following procedure applies to Windows Server 2008 SP2 and Windows Server 2008 R2.

Note – The power-on messages and prompts occur quickly and might appear on the screen for a brief time. You might want to enlarge the size of the screen to eliminate scroll bars.

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1. **Reset or power on the server by doing one of the following:**
   - From the Oracle ILOM web interface, on the Remote Power Control tab, select Reset.
   - From the local server, press the Power button on the front panel of the server for approximately 1 second to power off the server, and then press the Power button again to power on the server.
2. **Press F8 to specify a temporary boot device.**

   The Please Select Boot Device screen is displayed.
3. **In the Please Select Boot Device screen, select the appropriate PXE installation boot device, and press Enter.**

Note – The PXE installation boot device is the physical network port used to communicate with the network installation server.

   The Boot Agent screen is displayed.
4. **In the Boot Agent screen, press F12 for a network service boot.**
5. **Continue the normal Windows Server 2008 SP2 or Windows Server 2008 R2 WDS network installation.**

   For additional information, consult Microsoft Windows Deployment Services product documentation.
6. **When the installation is complete, perform any necessary post installation tasks.**

Related Information

- "Installing Server System Tools and Updating Drivers" on page 25

Installing Server System Tools and Updating Drivers

This section describes how to install the server system tools and update the system drivers using the Windows InstallPack application that resides with the Oracle System Assistant.

Note – The procedures in this section assume that you have already installed the Microsoft Windows Server 2008 OS.

▼ Install 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.**

        The server system tools are located in the following directories:

        Windows Install Pack MSM: Windows/*version*/Tools/LSI-MSM

        NIC Teaming for Windows: Windows/*version*/Tools/Intel-NIC-PROSet

        Oracle Hardware Management Pack:
        Windows/*version*/Tools/Hardware-Management-Pack

        where *version* is the version of the installed Windows OS.

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

        Linux/*OS_name*/*version*/Tools

        where *OS_name* is the installed OS: OL (Oracle Linux), RHEL (RedHat), or SLES (SUSE), and *version* is the version of the installed Windows 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. **Double-click the ORACLE_SSM USB drive:**

   The server system tools are located in the following directories:

   Windows Install Pack MSM: Windows/*version*/Tools/LSI-MSM

   NIC Teaming for Windows: Windows/*version*/Tools/Intel-NIC-PROSet

   Oracle Hardware Management Pack:
   Windows/*version*/Tools/Hardware-Management-Pack

   where *version* is the version of the installed Windows OS.

2. **To install Windows Install Pack MSM and NIC Teaming for Windows, perform the following steps:**

   a. **Navigate to the `installer` folder:**

      drive:\ORACLE_SSM\Windows*version*\installer

      where *version* is the version of the installed Windows OS.

   b. **Double-click the `InstallPack.hta` file.**

      The InstallPack application is displayed.

   c. **To install the server system tools, ensure that Custom is selected, then click Next.**

      The Custom option allows you to select which tool to install.

   d. **Ensure that Supplemental software option is selected.**

   e. **Ensure that the option to install Platform-specific drivers is not selected.**

Note – The platform-specific drivers option allows you to install the drivers for your blade. These drivers are installed during the OS installation process.

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   f. **Click Next, then select the tools to install.**

   g. **Click Next, then continue through the InstallPack application until the tool installation process is finished.**

3. **To install Oracle Hardware Management Pack, go to:**

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

▼ Update System Drivers

Use this procedure to update server system drivers using the Windows OS InstallPack application. The application is available with the Oracle System Assistant software and the downloaded OS-specific software package.

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 on the server.**

     c. **Within the unzipped directory file system, navigate to the Windows OS InstallPack folder:**

        Windows/*OS_name*/*version*/InstallPack

        where *OS_name* is the installed Windows OS and *version* is the version of the installed Windows 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. **Double-click the ORACLE_SSM USB drive:**

        The server system tools are located in the following directories:

        Windows Install Pack MSM: Windows/*version*/Tools/LSI-MSM

        NIC Teaming for Windows: Windows/*version*/Tools/Intel-NIC-PROSet

        Oracle Hardware Management Pack:
        Windows/*version*/Tools/Hardware-Management-Pack

        where *version* is the version of the installed Windows OS.

2. **To update the drivers, perform the following steps:**

   a. **Navigate to the `installer` folder:**

      drive:\ORACLE_SSM\Windows*version*\installer

      where *version* is the version of the installed Windows OS.

   b. **Double-click the `InstallPack.hta` file.**

      The InstallPack application is displayed.

   c. **Select the option to update platform-specific drivers.**

d. Ensure that Supplemental software option is *not* selected.

e. Click Next, then continue through the InstallPack application until the driver update process is finished.

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