



Sun x64 Servers Windows Server 2003 R2 Operating System Preinstall Release Notes

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Preface

This document describes the initial setup of the factory-installed Windows Server 2003 R2 SP2 operating system on Sun x64 servers.

Product Updates

For product updates that you can download for the factory-installed Windows Server 2003 R2 operating system and Sun x64 servers, go to:

<http://www.sun.com/windows>

Related Documentation

Servers shipped with factory-installed Windows Server 2003 R2 SP2 include the following documents:

- *Getting Started Guide*

Read this guide before performing the initial setup of the Windows Server 2003 operating system.

- *Sun x64 Servers Windows Server 2003 R2 Recovery Installation Guide.*

If your system order included the optional Recovery Media kit, use the directions included in this document to restore your system to the factory default image. If you do not have the optional Recovery Media kit, contact your Sun support representative.

Typographic Conventions

Typeface*	Meaning	Examples
AaBbCc123	The names of commands, files, and directories; onscreen computer output	Edit your <code>.login</code> file. Use <code>ls -a</code> to list all files. % You have mail.
AaBbCc123	What you type, when contrasted with onscreen computer output	% su Password:
<i>AaBbCc123</i>	Book titles, new words or terms, words to be emphasized. Replace command-line variables with real names or values.	Read Chapter 6 in the <i>User's Guide</i> . These are called <i>class</i> options. You <i>must</i> be superuser to do this. To delete a file, type <code>rm filename</code> .

* The settings for your browser might differ from these settings.

Contacting Sun Technical Support

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

<http://www.sun.com/service/contacting>

See the Support menu for a link to the Knowledgebase.

If you need to contact Sun technical support, please have the following information available so that we can best assist you in resolving problems:

- A description of the problem, including the situation where the problem occurs and its impact on your operation
- The machine type, operating system version, and product version, including any patches and other software that might be affecting the problem
- Detailed steps on the methods you have used to reproduce the problem
- Any error logs or core dumps

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Sun x64 Servers Windows Server 2003 R2 Operating System Preinstall Release Notes, part number 820-4066-10.

What You Need to Know

Before powering up your system for the first time, review the following information:

- *Getting Started Guide*

This is shipped with your system. Read this guide before performing the initial setup of the Windows Server 2003 operating system.

- Chapter 2, “[Initial Setup of the Factory-Installed Microsoft Windows Server 2003 R2 SP2 Operating System](#)” on page 3.
- The Product Notes for your platform. This contains any late-breaking information.

Initial Setup of the Factory-Installed Microsoft Windows Server 2003 R2 SP2 Operating System

This chapter describes how to complete the initial setup of the factory-installed Microsoft Windows Server 2003 R2 operating system.

This chapter includes the following topics:

- [“Hardware and Software Prerequisites”](#) on page 3
- [“Establish Connection to the Server or Server Module”](#) on page 5
- [“Provide Customer Information for Windows Setup”](#) on page 6
- [“Obtaining Updates Using SunLink”](#) on page 9

Hardware and Software Prerequisites

Before proceeding, complete the physical installation of your system, including cabling. For installation procedures, see the Installation Guide shipped with your system.

You may also want to configure the disk drive holding the Windows operating system as part of a RAID array. As shipped, this drive is not configured for RAID. To make the disk part of a RAID array while preserving the data on the drive, add the

drive to a mirrored RAID set (also known as hardware RAID Level 1). You can do this before or after the initial setup of the Windows operating system. For more information, refer to the documents in [TABLE 2-1](#).

TABLE 2-1 Where to Find RAID Configuration Information

Product	RAID Information
Sun Blade X6220 Server Module	See the <i>Sun Blade X6220 Server Module Windows OS Installation Guide</i> and the <i>x64 Servers Utilities Reference Manual</i> .
Sun Blade X6250 Server Module	See "Building a RAID Volume" in the <i>Sun StorageTek RAID Manager Software User's Guide</i> .
Sun Blade X8440 Server Module	See the <i>Sun Blade 8000 Series Installation Guide</i> .
Sun Fire X4150 server	See the <i>Sun Fire X4150 Server Installation Guide</i> and the Sun Fire Server Host Bust Adapter Documentation.
Sun Fire X4450 server	See the <i>Sun Fire X4450 Server Installation Guide</i> and the Sun Fire Server Host Bust Adapter Documentation.
Sun Fire X4600 M2 server	See the <i>Sun Fire X4600 and Sun Fire X4600 M2 Windows Operating System Installation Guide</i> and the <i>x64 Servers Utilities Reference Manual</i> .

Note – Each product has two or more HDD bays that can hold the boot disk for the OS. However, the drive targeted for installation must be the first drive listed in the BIOS boot order. For information about verifying or changing the BIOS boot order, see your product documentation.

Establish Connection to the Server or Server Module

You must establish one of the following console connections to the server or server module to complete the initial setup of the factory-installed Windows operating system:

TABLE 2-2 Connecting to the Server or Server Module

Product	Options for Connecting to the System (Select one option.)
Sun Blade X6220 Server Module	<ul style="list-style-type: none">• Use a dongle cable to connect a VGA monitor and USB mouse and keyboard to the system. <p style="text-align: center;">OR</p> <ul style="list-style-type: none">• Configure a KVMs connection via the ILOM. See the <i>Sun Blade X6220 Server Module Installation Guide</i> and the <i>Sun Integrated Lights Out Manager (ILOM) 2.0 User's Guide</i>.
Sun Blade X6250 Server Module	<ul style="list-style-type: none">• Use a dongle cable to connect a VGA monitor and USB mouse and keyboard to the system. <p style="text-align: center;">OR</p> <ul style="list-style-type: none">• Configure a KVMs connection via the Embedded LOM. See the <i>Sun Blade X6250 Server Module Installation Guide</i> and the <i>Sun Blade X6250 Server Module Embedded Lights Out Manager Administration Guide</i> for details.
Sun Blade X8440 Server Module	<ul style="list-style-type: none">• Use a dongle cable to connect a VGA monitor and USB mouse and keyboard to the system. <p style="text-align: center;">OR</p> <ul style="list-style-type: none">• Configure a KVMs connection via the ILOM. See the <i>Sun Blade 8000 Series Installation Guide</i>.

TABLE 2-2 Connecting to the Server or Server Module

Product	Options for Connecting to the System (Select one option.)
Sun Fire X4150 Server	<ul style="list-style-type: none">• Connect a VGA monitor and USB mouse and keyboard to the system. OR <ul style="list-style-type: none">• Configure a KVMs connection via the Embedded LOM. See the <i>Sun Fire X4150 Server Installation Guide</i> .
Sun Fire X4450 Server	<ul style="list-style-type: none">• Connect a VGA monitor and USB mouse and keyboard to the system. OR <ul style="list-style-type: none">• Configure a KVMs connection via the Embedded LOM. See the <i>Sun Fire X4450 Server Installation Guide</i> .
Sun Fire X4600 M2 Server	<ul style="list-style-type: none">• Connect a VGA monitor and USB mouse and keyboard to the system. OR <ul style="list-style-type: none">• Configure a KVMs connection via the ILOM. See the <i>Sun Fire X4600 and Sun Fire X4600 M2 Server Service Manual</i> and the <i>Sun Integrated Lights Out Manager (ILOM) 2.0 User's Guide</i> .

Provide Customer Information for Windows Setup

Follow these steps to boot the Windows factory-installed image, and to configure the initial Windows operating system settings for language, licensing, date and time, and network.

1. Reset the server or server module.

For reset instructions for your platform, refer to [TABLE 2-3](#)

TABLE 2-3 Options for Resetting the Server or Server Module

Product	Options for Resetting the Server or Server Module (Select one option.)
Sun Blade X6220 Server Module	<ul style="list-style-type: none">• From the ILOM web interface, select <code>Reset</code> on the Remote Power Control tab. <p style="text-align: center;">OR</p> <ul style="list-style-type: none">• From the ILOM CLI on the blade SP, type: <code>reset /SYS</code> <p style="text-align: center;">OR</p> <ul style="list-style-type: none">• From ILOM CLI on CMM, type: <code>reset /CH/BLn/SYS</code> where <i>n</i> is the slot number of the blade in the chassis. <p style="text-align: center;">OR</p> <ul style="list-style-type: none">• Press the Power button (momentary, 1 second) on the front panel of the blade to turn off the blade, then press the Power button (momentary, 1 second) to turn on the blade.
Sun Blade X6250 Server Module	<ul style="list-style-type: none">• From the Embedded LOM Web GUI, select <code>Reset</code> on the Remote Power Control tab. <p style="text-align: center;">OR</p> <ul style="list-style-type: none">• From the ELOM CLI on the server module SP, type: <code>reset /SYS</code> <p style="text-align: center;">OR</p> <ul style="list-style-type: none">• Press the Power button (momentary, 1 second) on the front panel of the blade to turn off the blade, then press the Power button (momentary, 1 second) to turn on the blade.
Sun Blade X8440 Server Module	<ul style="list-style-type: none">• From the ILOM web interface, select <code>Reset</code> on the Remote Power Control tab <p style="text-align: center;">OR</p> <ul style="list-style-type: none">• From ILOM CLI on blade SP, type: <code>reset /SYS</code> <p style="text-align: center;">OR</p> <ul style="list-style-type: none">• From ILOM CLI on CMM, type: <code>reset /CH/BLn/SYS</code> where <i>n</i> is the slot number of the blade in the chassis. <p style="text-align: center;">OR</p> <ul style="list-style-type: none">• Press the Power button (momentary, 1 second) on the front panel of the blade to turn off the blade, then press the Power button (momentary, 1 second) to turn on the blade.

Product	Options for Resetting the Server or Server Module (Select one option.)
Sun Fire X4150 server	<ul style="list-style-type: none"> • From the Embedded LOM Web GUI, select <code>Reset</code> on the Remote Power Control tab. <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> • Press the Power button (momentary, 1 second) on the front panel of the system to turn off the system, then press the Power button (momentary, 1 second) to turn on the system.
Sun Fire X4450 server	<ul style="list-style-type: none"> • From the Embedded LOM Web GUI, select <code>Reset</code> on the Remote Power Control tab. <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> • Press the Power button (momentary, 1 second) on the front panel of the system to turn off the system, then press the Power button (momentary, 1 second) to turn on the system.
Sun Fire X4600 M2 server	<ul style="list-style-type: none"> • From the ILOM web interface, select <code>Reset</code> on the Remote Power Control tab. <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> • From the ILOM CLI, type: <code>reset /SYS</code> <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> • Graceful shutdown. Press the Power button (momentary, 1 second) on the front panel of the system to turn off the system, then press the Power button (momentary, 1 second) to turn on the system.

The BIOS POST screen appears, then an EMS (Emergency Management Services) Detection dialog appears.

Tip – If your mouse or keyboard is not responding, wait until the device(s) are properly detected.

2. In the EMS Connection Detected dialog box, click OK to continue using this local connection.

The Welcome to Windows Setup dialog appears.

3. Click Next to continue the setup process and follow the on-screen instructions.

The following table summarizes the Windows Setup dialogs in the order in which they appear, as well as the actions required to complete them. For additional information, refer to the *Getting Started Guide*.

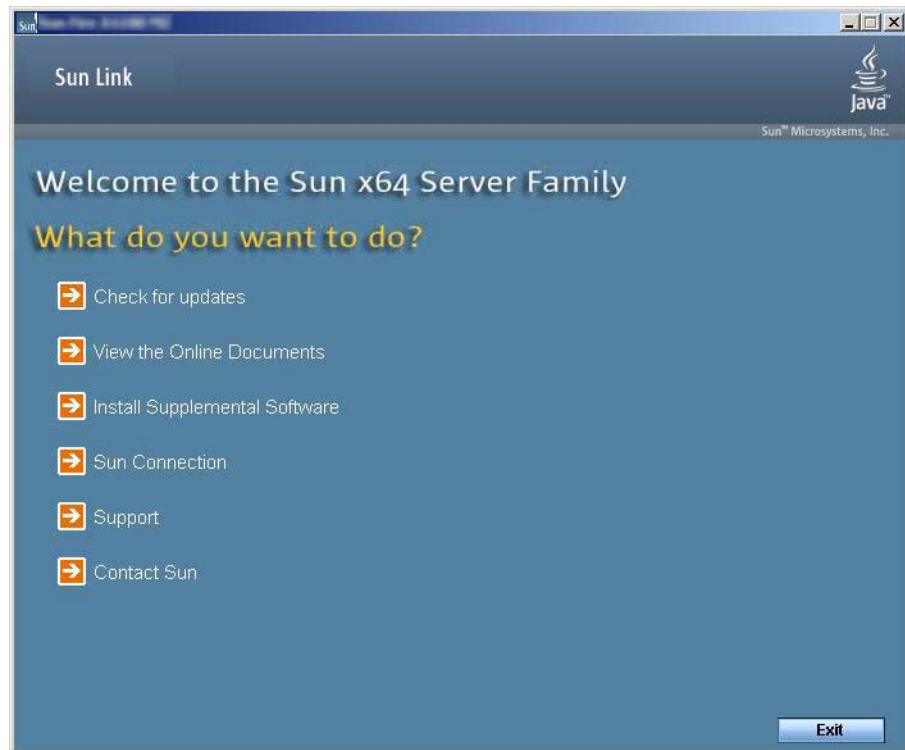
Windows Setup Screen Name	Action Required
Welcome to Windows Setup Wizard	Click Next.
License Agreement	If you accept license agreement, click Next.
Regional Language Options	Specify your regional and language settings, and then click Next.
Personalize Your Software	Type your name and organization, and then click Next.
Licensing Mode	Select the appropriate licensing mode. If necessary, update the number of concurrent connections. Click Next. <i>Tip</i> – The number of Client access licenses (CALs) must not exceed the quantity purchased.
Computer Name and Administrator Password	Accept the default computer name or type a computer name. Type an administrator password. Click Next.
Date and Time Settings	Specify the date, time, and time zone, and then click Next.
Workgroup or Computer Domain	Specify a valid domain or workgroup, and then click Next.

Once you have completed Windows Setup, the system will restart and automatically logon. Additional applications will be installed, the settings will be saved, and the system will restart. The initial setup is now completed.

Obtaining Updates Using SunLink

The Sun Link application is included with your factory-installed Windows OS. You can access it from the Start menu and conveniently obtain x64 server updates, view online documentation, and install supplemental software (see [FIGURE 2-1](#)).

FIGURE 2-1 Sun Link Welcome Page



Known Issues

This chapter describes the known issues with the factory-installed Windows Server 2003 R2 SP2 operating system and the recovery media. It contains the following sections:

- [“Missing Multilanguage User Interface Packs after Installation of Windows OS from Recovery Media \(6631191\)”](#) on page 11
- [“AMD PowerNow! Feature Not Available on Factory-Installed Windows OS \(6644504\)”](#) on page 13

Missing Multilanguage User Interface Packs after Installation of Windows OS from Recovery Media (6631191)

Depending on the memory configuration, an installation of the Windows OS from the recovery media may fail to include all Multilanguage User Interface Packs. To verify that all User Interface Packs were installed, open the Add or Remove Programs application from the Control Panel. The following items should appear:

- Microsoft Windows Spanish User Interface Pack
- Microsoft Windows Spanish User Interface Pack R2
- Microsoft Windows French User Interface Pack
- Microsoft Windows French User Interface Pack R2
- Microsoft Windows Traditional Chinese User Interface Pack
- Microsoft Windows Traditional Chinese User Interface Pack R2
- Microsoft Windows German User Interface Pack
- Microsoft Windows German User Interface Pack R2

- Microsoft Windows Italian User Interface Pack
- Microsoft Windows Italian User Interface Pack R2
- Microsoft Windows Japanese User Interface Pack
- Microsoft Windows Japanese User Interface Pack R2
- Microsoft Windows Korean User Interface Pack
- Microsoft Windows Korean User Interface Pack R2
- Microsoft Windows Simplified Chinese User Interface Pack
- Microsoft Windows Simplified Chinese User Interface Pack R2

If any of the eight languages do not appear, then you can manually install the language support from Disk 1 of the Recovery Media.

Solution

1. Insert Disk 1 of the Recovery Media.

2. Navigate to *d:\mui*, using Windows Explorer.

Where *d* is the letter of the CD drive.

The following list shows the language support files:

- Spanish = 0c0a.msi
- Spanish = 0c0a_r2.msi
- French = 040c.msi
- French = 040c_r2.msi
- Traditional Chinese = 0404.msi
- Traditional Chinese = 0404_r2.msi
- German = 0407.msi
- German = 0407_r2.msi
- Italian = 0410.msi
- Italian = 0410_r2.msi
- Japanese = 0411.msi
- Japanese = 0411_r2.msi
- Korean = 0412.msi
- Korean = 0412_r2.msi
- Simplified Chinese = 0804.msi
- Simplified Chinese = 0804_r2.msi

3. For each language that is missing in the Control Panel, double click on both the *language.msi* file and the *language_R2.msi* file from the list to install.

For example, to install Spanish support, double click on both the *0c0a.msi* file and the *0c0a_R2.msi* file.

AMD PowerNow! Feature Not Available on Factory-Installed Windows OS (6644504)

For AMD-based systems, the CPU driver provided with the factory-installed Windows Server 2003 R2 SP2 operating system and on the recovery media does not support AMD PowerNow! technology.

Solution

An updated driver with PowerNow! support is available from the Sun Product Update web site. If a Tools and Drivers CD is available for your platform, it also has the updated driver. Refer to [TABLE 3-1](#) for installation instructions.

Tip – You can quickly access the Sun Product Update web site using the Sun Link application. From the Start menu, choose “Sun Link — Online Information”. When the dialog appears, click on the button “Check for Updates”. You will be taken to the Sun Product Update web page for your product.

TABLE 3-1 Installing Updated AMD CPU Driver

Product	Instructions
Sun Blade X6220 Server Module	<p>Using the Tools and Drivers CD</p> <p>Run the file</p> <p><i>d</i>: \windows\w2k3\packages\InstallPack_<i>version</i>.exe where <i>d</i> is the CD drive letter and <i>version</i> is a version string.</p> <hr/> <p>Downloading from the Sun Product Update Web Site</p> <ol style="list-style-type: none">1. From the Tools and Drivers Platform section, download the Windows-only files.2. Extract the contents from the downloaded file.3. Run the file <p>windows\w2k3\packages\InstallPack_<i>version</i>.exe where <i>version</i> is a version string.</p> <hr/>
Sun Blade X8440 Server Module	<p>Using the Resource CD</p> <ol style="list-style-type: none">1. Download and burn the Sun Blade 8000 Modular System Resource CD (4.0 or later).2. Run the file <p><i>d</i>: \support\drivers\w2k3sp1\x86\DPInst\ SunBlade_xxB_AMD_v1_3_1.exe</p> <p>Where <i>d</i> is the CD drive letter, and <i>xx</i> is 32 (for the 32-bit driver) or 64 (for the 64-bit driver).</p> <hr/>
Sun Fire X4600 M2 server	<p>Using the Tools and Drivers CD</p> <p>Run the file</p> <p><i>d</i>: \windows\w2k3\packages\InstallPack_<i>version</i>.exe where <i>d</i> is the CD drive letter and <i>version</i> is a version string.</p> <hr/> <p>Downloading from the Sun Product Update Web Site</p> <ol style="list-style-type: none">1. From the Tools and Drivers Platform section, download the Windows-only files.2. Extract the contents from the downloaded file.3. Run the file <p>windows\w2k3\packages\InstallPack_<i>version</i>.exe where <i>version</i> is a version string.</p> <hr/>

Recovering the Windows Server 2003 Operating System

If your system order included the optional Recovery Media kit, use the directions included in the *Sun x64 Servers Windows Server 2003 R2 Recovery Installation Guide* to restore your system to the factory default image. If you do not have the optional Recovery Media kit, contact your Sun support representative.

Supported Versions Of Windows Recovery Media are:

- Microsoft Windows Server 2003 R2 with SP2, Standard Edition
- Microsoft Windows Server 2003 R2 with SP2, Standard Edition 64-bit
- Microsoft Windows Server 2003 R2 with SP2, Enterprise Edition
- Microsoft Windows Server 2003 R2 with SP2, Enterprise Edition 32-bit

