Microsoft® Hyper-V™ Server 2008 for
Dell™ PowerEdge™ Systems

Installing Microsoft Hyper-V™ Server 2008 Using the Operating System Media

Notes and Cautions

NOTE: A NOTE indicates important information that helps you make better use of your computer.

CAUTION: A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

This document provides the instructions to install your Microsoft® Hyper-V™ Server 2008 operating system and includes the following topics:

- "Pre-Installation Requirements" on page 3
- "Installing Microsoft Hyper-V Server 2008 Using the Operating System Media" on page 5

NOTE: If you use the operating system media to install the operating system, you must install the latest device drivers located either on the *Dell Systems Management Tools and Documentation* media or the Dell Support website at **support.dell.com/support/downloads.**

⚠ **CAUTION: The following installation procedure erases all the data on your hard drive. It is recommended to have a backup of all important data before you begin the installation.**

To determine the devices that are installed on your system, boot your system from the *Dell Systems Management Tools and Documentation* media and select **View Hardware** in the **System Software Manager** window. The devices installed on your system are listed on your screen.

Pre-Installation Requirements

Before you install the operating system:

- Ensure that your system has the latest BIOS, firmware, and driver updates. If required, download the latest BIOS, firmware, and driver updates from the Dell Support website at **support.dell.com** or use the Dell Server Update Utility available on the *Dell Systems Management Tools and Documentation* media.

- Ensure that your system has an x64 processor that supports hardware assisted virtualization. Also, ensure virtualization is enabled in the BIOS.

- Create the *Microsoft Hyper-V Server 2008 Installation* media after you download the software from the Microsoft website.

NOTE: The Microsoft Hyper-V Server 2008 operating system is a free product from Microsoft. For more information on downloading the Hyper-V Server 2008 operating system, see the Microsoft Hyper V Server website located at **microsoft.com/servers/hyper-v-server/how-to-get.mspx.**

- Create a device driver media (diskette, USB drive, CD, or DVD).

Creating a Device Driver Media

Use one of the methods described in the following sections to create a device driver media.

Downloading Drivers From the Dell Systems Management Tools and Documentation Media

1. Insert the *Dell Systems Management Tools and Documentation* media into your optical drive.

2. The **Welcome to Dell Service and Diagnostic Utilities** screen is displayed. Select your server model and operating system (Microsoft Windows Server 2008 x64).

3. Click **Continue**.

4. From the list of drivers displayed, select the driver that you require. Select the self-extracting zip file and click **Run**. Copy the driver to a diskette drive, CD, DVD, or USB drive. Repeat this step for all the drivers that you require.

NOTE: During the operating system installation described in "Installing Microsoft Hyper-V Server 2008 Using the Operating System Media" on page 5, use the media you created in step 4 by selecting the load driver option available during installation.

Downloading Drivers From the Dell Support Website

1. Go to **support.dell.com**.

2. Click **Drivers and Downloads**.

3. Enter the service tag of your system in the **Choose by Service Tag** field or select your system's model.

4. Select the **System Type**, **Operating System**, **Driver Language**, **Category**, and **Importance** from the drop-down list.

5. The drivers that are applicable to your selection are displayed. From the available list, download the required drivers.

NOTE: During the operating system installation described in "Installing Microsoft Hyper-V Server 2008 Using the Operating System Media" on page 5, navigate to the directory where you downloaded the drivers in step 5 by selecting the load driver option available during installation.

Using the DRAC Diskette Image

Install the Dell mass storage drivers using Dell Remote Access Controller (DRAC) diskette images located on the Dell Support website at **support.dell.com**. See the DRAC documentation that shipped along with your system to set up the virtual diskette drive media.

NOTE: You can install drivers using the DRAC diskette image only if your system has DRAC installed and configured.

Installing Microsoft Hyper-V Server 2008 Using the Operating System Media

1   Connect a keyboard, monitor, mouse, and any additional peripherals to your system.

2   Turn on your system and any attached peripherals.

3   Insert the *Microsoft Hyper-V Server 2008* media into the optical drive. The following message is displayed: `Windows is Loading Files`

> **NOTE:** If a Windows operating system *is* installed on your system, browse to the CD/DVD drive letter and double-click the media icon to begin the installation. If a Windows operating system *is not* installed on your system, the following message is displayed: `Press any key to boot from the CD/DVD.` Press any key to begin the installation.

4   A screen prompting you to select the language pack is displayed. Select the appropriate language pack from the drop-down list.

   The **Install Windows** wizard is displayed.

5   In the **Install Windows** screen, select the appropriate **Language, Time & Currency**, and **Keyboard** values. Click **Next**.

> **NOTE:** Dell does not support Brazilian, Russian and Italian language packs.

6   In the **Hyper-V Server 2008** screen, click **Install Now**.

> **NOTE:** Product Identification (PID) is not required as Hyper-V Server 2008 is a free package from Microsoft.

7   The **Please read the license terms** screen is displayed. Read the license terms, select the **I accept the license terms** option, and click **Next** to continue with the installation.

8 In the **Which type of installation do you want** screen, select **Custom (advanced)** for a new operating system installation.

9 In the **Where do you want to install Windows** screen, specify the partition on which you want to install the operating system.

> **NOTE:** If the storage controller driver is not installed on your system, you cannot create the hard drive partitions. You may need to provide mass storage drivers during the installation. Download the required driver file to a driver diskette, CD, DVD, or USB drive. For more information, see "Creating a Device Driver Media" on page 4. To provide the driver during setup, click **Load Driver**. You can browse to locate the driver or use **Setup** to search the media.

To create a partition and begin installation:

a Click **New**.

b Specify the size of the partition in MB, and click **Apply**.

> **NOTE:** The recommended size for the primary partition is 40 GB. If you are installing additional memory on your system, you may require additional primary partition space to accommodate page file and hibernation. Set the partition size depending on the number and type of virtual machines that you plan to deploy.

c Select the newly-created partition and click **Next**.

The **Installing Windows** screen is displayed and shows the progress of the installation.

> **NOTE:** The installation procedure may take some time to complete.

10 After the operating system is installed, the system reboots. A screen is displayed prompting you to enter the user name.

> **NOTE:** By default, the user name is Administrator.

 The **The user's password must be set before you login for the first time** screen is displayed. Click **OK**.

11 In the **Administrator** screen, enter the password, confirm the password, and click →(right arrow).

The following message is displayed:

`Your password has been changed.` Click **OK**.

12 When you log in for the first time, the **Preparing Your Desktop** window is displayed. The operating system installation is now complete.

For more information on installation and configuration of Hyper-V Server 2008, see *Microsoft Hyper-V for Dell PowerEdge Systems Running Microsoft Windows Server 2008* from the Dell Support website at **support.dell.com**

Hyper-V Configuration

After you log in, the **Hyper-V Configuration Menu** screen is displayed. A few examples of the tasks that you can perform using the **Hyper-V Configuration Menu** are as follows:

- Network Settings
- Windows Updates
- Regional Settings
- Shutdown, Logoff, and Restart Controls

Use the command line interface to customize and perform additional functions on the system.

For more information on Hyper-V configuration, see the Microsoft Support website at **support.microsoft.com.**

NOTE: The **Hyper-V Configuration Menu** and the command line interface are displayed each time you log in to the system.