

Chapter 4

Working with Microsoft Virtual PC 2007

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Since the book was written, Microsoft released a new virtualization product named Windows Virtual PC. The new Windows Virtual PC is now an optional free component of the Windows 7 operating system. The product is intended to help you migrate to Windows 7 while continuing to use applications that run on older versions of Windows, such as Windows XP or Windows Vista, within virtual machines. Windows 7 Professional and higher, also support a new XP Mode that provides a pre-licensed version of Windows XP intended to help migrate Windows XP applications to Windows 7.

While many virtualization concepts and features are similar in both Microsoft Virtual PC 2007 and the new Windows Virtual PC, the activities in chapter 4 will not work as written with the new Windows Virtual PC product. To perform the chapter activities, students should obtain a copy of Microsoft Virtual PC 2007 (as described in chapter 1) and install it on Windows 7. When installing Microsoft Virtual PC 2007 on Windows 7, a message will be displayed informing you that the operating system is not supported. This does not seem to affect performing the activities. By working with Microsoft Virtual PC 2007, students will find it easy to transfer the virtualization skills to using the new Windows Virtual PC product.

After installing Microsoft Virtual PC 2007 on their computers, students should be able to perform the activities in this chapter as written, with the exception Activity 4-3. The following Activity 4-3 has been modified to install Windows Server 2008 R2 using an ISO file.

Activity 4-1: Installing Virtual PC 2007

Perform the steps of Activity 4-1 as written.

Activity 4-2: Creating a Virtual Machine for Windows Server 2008

Perform the steps of Activity 4-2 as written.

Activity 4-3: Installing Windows Server 2008 R2 as a Guest OS

Time Required: 30 minutes

Objectives: Install Windows Server 2008 as a guest OS.

Requirements: Completion of Activity 4-2; the Windows Server 2008 ISO file; Windows Server 2008 product key, if you're not installing a trial version.

Description: You're giving a demonstration of using Virtual PC 2007 to run Windows Server 2008 R2 on a virtual machine. In this activity, you prepare for the demonstration by installing Windows Server 2008 R2 on the virtual machine you created in Activity 4-2.

1. If necessary, log on to your host computer, and open the Virtual PC Console.
2. Follow the instructions in "Installing a Guest OS" to set your virtual machine's BIOS to boot from the CD-ROM device first.
3. If you are using an ISO file, follow the instructions in the Using ISO Image Files section to set your virtual machine's DVD drive to point to the ISO image file.
4. If you are using a physical DVD, insert the Windows DVD in the host computer. Click **Start, Computer**, determine the DVD-ROM drive letter, and then close the Computer window. To set your virtual machine to use the host computer's DVD-ROM drive, click the Start button to open the user console. Click the CD menu, and then click the **Use Physical Drive** option corresponding to your host computer's drive letter.
5. Click **Action, Reset** from the user console menu. The virtual machine is powered on and begins loading Windows automatically.
6. Click the **Install now** button to display the **Select the operating system you want to install** window. Click the **Windows Server 2008 R2 Enterprise (Full Installation)** option and then click **Next**. (Make sure you don't select the Sever Core version as this will not install the Graphical User Interface.)
7. Review the license terms, click **I accept the license terms** check box, and then click **Next**.
8. In the Which type of Installation do you want? window, click **Custom (advanced)** option to continue to the next window.
9. In the Where do you want to Install Window? window, verify that **Disk 0 Unallocated Space** is selected. It should have a total size of the virtual disk you created in Activity 4-2. Click **Next** to begin the installation process. This typically takes about 15 minutes, with at least one restart.
10. When the installation is complete you will be asked to change password before logging in for the first time. Click **OK** to set the Administrator password. Enter the password in both the new password and Confirm password fields and click the **blue arrow**. (Your password must be at least 8 characters long and contain a combination of numbers and letters.)
11. Click **OK** to confirm the password change and display the Server 2008 desktop and Initial Configuration Tasks window. You can use this window to enter a product key and activate Server 2008 as well as perform a variety of configuration tasks including activating Windows by entering a product key and registering it with Microsoft.
12. Click **Close** to close the Initial Configuration Tasks window and return to the desktop.
13. Log off the Windows Server 2008 VM by clicking **Start** and then clicking the **Log off** button.
14. Power off the Windows Server 2008 VM, but you may leave the console open for the next activity.

Activities 4-4 through 4-13:

Perform the steps of Activity 4-4 through 4-13 as written.