

Answers for Additional Exercises

Chapter 1

ANSWERS FOR ADDITIONAL EXERCISES

- ▶ Answers may vary slightly, but in most cases the Web Edition is the best choice. Some students may choose the Standard Edition simply because they feel the business would make a more effective investment with this edition because other services are also available. There is a strong argument for this choice and insufficient constraints are placed on the student to count it incorrect.
- ▶ Open the Server Manager and perform these steps:
 1. Right-click on the Roles node and choose Add Roles.
 2. If presented with the Before You Begin screen, click Next.
 3. On the Select Server Roles screen, check the box to the left of the File Services role and click Next.
 4. On the File Services screen, click the links to read more information, if you desire. When ready, click Next to continue.
 5. On the Select Role Services screen, in addition to the File Server role service that is selected by default, select the File Server Resource Manager as well and then click Next.
 6. On the Configure Storage Usage Monitoring screen, do not select any times, click Next.
 7. On the Confirm Installation Selections screen, click Install.
 8. When the installation is complete, click Close.
 9. Click Start > Administrative Tools > File Server Resource Manager to explore the FSRM tool.
- ▶ Use websites such as Dell.com, IBM.com, and HP.com for this exercise.

- The following two sites are useful for this exercise:

http://en.wikipedia.org/wiki/Microsoft_Windows

<http://windows.microsoft.com/en-US/windows/history>.

Chapter 2

ANSWERS FOR ADDITIONAL EXERCISES

- The installation can be performed in a virtual machine. Perform the installation using the same steps outlined earlier in the chapter.
- The installation can be performed in a virtual machine. Perform the installation using the same steps outlined earlier in the chapter, but select the Server Core installation option.
- The Intel website at www.intel.com includes a support section; however, many other vendors do as well.
- Use the following website:
[http://technet.microsoft.com/en-us/library/ff968983\(WS.10\).aspx](http://technet.microsoft.com/en-us/library/ff968983(WS.10).aspx)

Chapter 3

ANSWERS FOR ADDITIONAL EXERCISES

- Perform a Google search on the keyword SATA. The Wikipedia article may be used as a reference. Additionally, vendor literature may be located with information about the speeds available.
- Consider browsing the IBM website and looking for their SAN solutions. At the time of this writing, the IBM SAN solutions page was located at <http://www-03.ibm.com/systems/storage/san/>.
- To view the file system used for a drive, simply right-click on the drive in My Computer (or Computer) and select Properties. The file system will be displayed on the General tab.
- To create and mount a VHD file in Windows Server 2008 R2, use the Disk Management utility with the step-by-step instructions provided earlier in the chapter.

Chapter 4

ANSWERS FOR ADDITIONAL EXERCISES

- ▶ You can simply search for **Application Management service on Windows Server** in a search engine. You may also choose to use the following page: http://www.blackviper.com/wiki/Software_Protection.
- ▶ This may be performed from within the `Services.msc` application. Launch `Services.msc`, double-click on the Print Spooler service, and choose the Startup Type value of Automatic (Delayed Start).
- ▶ You can discover service names by double-clicking on the service in `Services.msc` and then viewing the Service Name field on the General tab of the service Properties dialog. You must use the `net stop service_name` and `net start service_name` to restart a service at the Command Prompt.
- ▶ Configure the Disk Defragmenter service in the `Services.msc` application. Double-click on the service to open the Properties dialog. Set the Startup Type value to Automatic on the General tab. On the Recovery tab, set the First Failure value to Restart The Service. Click OK to save your changes.

Chapter 5

ANSWERS FOR ADDITIONAL EXERCISES

- ▶ Answers will vary, but the diagram should look similar to the one in Figure 5.9. The IP subnets should use different blocks of IP addresses.
- ▶ Answers will vary, but they should include a selection from the following: user accounts, groups, computers, servers, organizational units, and printers.
- ▶ The following site may be used:
[http://technet.microsoft.com/en-us/library/understanding-active-directory-functional-levels\(Ws.10\).aspx](http://technet.microsoft.com/en-us/library/understanding-active-directory-functional-levels(Ws.10).aspx).
- ▶ The file is available in the `c:\windows\system32\drivers\etc` folder. Note the descriptions and sections of the file.

Chapter 6

ANSWERS FOR ADDITIONAL EXERCISES

- ▶ The download links were provided earlier in the chapter. Use these links to download and install the appropriate virtualization solution.
- ▶ To add the downloaded and extracted VHD to a virtual machine (VM), simply follow these steps:
 1. Create a new VM in either Virtual PC 2007 or Windows Virtual PC.
 2. When asked for the hard drive, specify an existing virtual hard drive (VHD) and use the downloaded VHD from Microsoft.
 3. Assign at least 1 GB of memory (preferably 2 GB or more) to the VM.
 4. Power on the VM.

If you prefer to use the free VMware Player from VMware, you can import the VHD files into that virtualization solution.

- ▶ Simply follow the instructions throughout this chapter to perform the installation.
 1. Install DNS first and configure it.
 2. Install the AD DS role and configure it.

Chapter 7

ANSWERS FOR ADDITIONAL EXERCISES

- ▶ Use the procedure provided earlier in the chapter to create the Sales OU, the Management child OU, and the Sales Professionals OU.
- ▶ Use the procedure provided earlier in the chapter to create the Sales domain local security group.
- ▶ Use the procedure provided earlier in the chapter to create the Campus A global distribution group.
- ▶ Use the procedure provided earlier in the chapter to create the user accounts. Use the Member Of tab in the user Properties dialog to add the users to the appropriate group.

Chapter 8

ANSWERS FOR ADDITIONAL EXERCISES

- ▶ Launch the GPEDIT.MSC console from the Start menu Search field. Navigate to the following location in the GPEDIT.MSC console: User Configuration\Administrative Templates\System. Enable the policy named Prevent Access To The Command Prompt.
- ▶ Use the instructions provided in this chapter to create the GPO and link it to the OU. If you have to create the OU, use the instructions provided in Chapter 7, “Managing Active Directory.” Right-click on the GPO and select Edit to apply the specified settings.
- ▶ Launch the Windows Command Prompt. Execute the GPUPDATE /FORCE command and view the results.
- ▶ Launch the GPMC. Click on the Default Domain Policy GPO in the console tree. Click on the Settings tab in the content pane.

Chapter 9

ANSWERS FOR ADDITIONAL EXERCISES

- ▶ Visit the site and view the various design guides. The Installation Design Guide for Forefront TMG will be most useful in this scenario.
- ▶ Download the file from:
<http://gallery.technet.microsoft.com/v144-of-the-Exchange-2010-1912958d>.
- ▶ Download the option labeled “Database with Management Tools” from this site:
<http://www.microsoft.com/express/Database/InstallOptions.aspx>.
Be sure to download the 64-bit edition because it is required for Windows Server 2008 R2.

Chapter 10

ANSWERS FOR ADDITIONAL EXERCISES

- ▶ Create the website based on the instructions provided earlier in the chapter.
- ▶ Create the website based on the instructions for using host headers provided earlier in the chapter. Be sure to create the DNS host record too.
- ▶ Create the FTP site based on the instructions provided earlier in the chapter.
- ▶ Create the FTP site based on the instructions provided earlier in the chapter. At step 7, indicate that specific users can access the site and define those users.

Chapter 11

ANSWERS FOR ADDITIONAL EXERCISES

- ▶ Create a folder named `C:\Public`. Share the folder and assign the permissions based on the explanations in this chapter.
- ▶ Create a folder named `Pvt` in the `C:\Public` folder (i.e., `C:\Public\Pvt`) and assign the NTFS permissions as referenced. Try to access the folder through the share as a user other than the Administrator, and note that you cannot access it.
- ▶ To install a printer on the server, follow these steps:
 1. Click Start and select Devices and Printers on your server.
 2. Click the Add a Printer button and follow the prompts.
 3. Choose any printer you want.

Chapter 12

ANSWERS FOR ADDITIONAL EXERCISES

- ▶ Use the instructions provided in the “Remote Desktop versus Remote Desktop Services” section in this chapter to enable Remote Desktop. While you’re in the interface, click the Select Users button to see how you can add users other than the Administrators group for access via Remote Desktop.

- ▶ Use the instructions in the “Desktop in the Remote Desktop versus Remote Desktop Services” section in this chapter to create the connection. While the connection is being created, be sure to click the Options down-arrow and browse through the tabs to see the available options.
- ▶ Use the instructions in the “Understanding Remote Access Solutions” section in this chapter to create the Remote Assistance request and save it as a file. You can perform this action on a Windows Vista or Windows 7 machine as well.

Chapter 13

ANSWERS FOR ADDITIONAL EXERCISES

- ▶ Open the Event Viewer, and then perform the following:
 1. Right-click on the Application log.
 2. Select Filter Current Log.
 3. In the Filter Current Log dialog, select only the Critical and Error levels, and click OK.
- ▶ Open the Performance Monitor, and then follow these steps:
 1. Select the Performance Monitor node in the left pane.
 2. Click on the green plus sign (+) to add a new counter.
 3. In the Add Counters dialog, scroll through the Available Counter list until you see one labeled Network Interface.
 4. Click the plus sign (+) to the right of the Network Interface group to expand the list.
 5. Select the Bytes Total/sec counter and click the Add button.
 6. Click OK.
- ▶ Open Notepad, and then follow these steps:
 1. Press Ctrl+Shift+Esc to open the Task Manager.
 2. On the Applications tab, right-click the Untitled - Notepad application.
 3. Select End Task.
- ▶ Open a Command Prompt window. Execute the command `ping www.sysedco.com` and view the results.

Chapter 14

ANSWERS FOR ADDITIONAL EXERCISES

- ▶ Consider downloading the Microsoft Assessment and Planning Toolkit for this exercise. It is a free download and can generate traffic you can view in the Resource Monitor.
- ▶ Open the Command Prompt. Execute the command:
`tasklist /fi "memusage ge 20000".`
- ▶ Use the instructions provided in this chapter to add the counter to the live view of the Performance Monitor.

Chapter 15

ANSWERS FOR ADDITIONAL EXERCISES

- ▶ Use the instructions in the chapter to perform a one-time backup.
 1. In the Backup Once Wizard, choose Custom for the type of configuration to use.
 2. On the Select Items for Backup page, click Add Items and then select the System State.
- ▶ Use the instructions in the chapter for creating a DCS and a performance counter alert. The LogicalDisk\Free Megabytes counter can be used for this task.
- ▶ Use the instructions in the chapter for manually checking for updates.