

STUDENT ACTIVITY 2.2: WEB SERVICES

MTA Course: 98-365 Windows Server® Administration Fundamentals

Topic: Understanding Web services

File name: WinServerFund_SA_2.2

Lesson Objective:

2.2: Understand Web services. *This objective may include but is not limited to:* IIS; WWW and FTP; separate worker processes; adding components; sites; ports; SSL; and certificates.

Resources, software, and additional files needed for this lesson

- Students should have access to the Internet.
- Microsoft® Windows Server 2008® R2

Directions to the student

Complete the following activities and have your instructor verify completion.

Content:

Internet Information Services Activity

1. Authenticate into your system using the credentials provided by the instructor
2. Open Server Manager by clicking Start→All Programs Administrative Tools→Server Manager.
3. Click Add Roles on the right side of the window.
4. Click Next in the Add Roles Wizard screen.
5. Add the Web Server (IIS) role, click Next.
6. Read the Introduction to Web Server screen and then click Next.

7. On the screen to Select Role Services, select the following Role Services:
 - a. Security: Basic Authentication
 - b. Security: IP and Domain Restrictions
 - c. FTP Server: FTP Service
 - d. FTP Server: FTP Extensibility
8. Click Next.
9. Confirm selections and allow for the install to complete by clicking Install.
10. After installation, open Internet Information Services Manager. This will be found in the Administrative Tools folder or through Server Manager.

Creating a simple site

Things to consider:

- What IP address should be associated with the site?
 - What TCP/IP port number should be associated with the site?
 - Will the site use a custom Host Header in the URL?
 - What application pools will the site's application use?
 - Where will the virtual directory point to in order to locate content for the site?
1. Using Windows[®] Explorer[®], double click on Local Disk (C:).
 2. Select *New folder* on the menu bar above the folders.
 3. Type MyWebSite for the folder name.
 4. Open Internet Information Services (IIS) Manager by clicking All Programs → Administrative Tools → Internet Information Services (IIS) Manager.
 5. On the connections side of Internet Information Services Manager, expand the site's page and select the Default Web Site.
 6. In the Actions panel (right side) click Stop to stop the website.
 7. Click sites again and in the Actions panel, click Add Web Site.
 8. Provide the following for your site:
 - a. Site name = Contoso
 - b. Physical path = c:\MyWebSite (This is the folder that was created in steps 1–3)

- c. Type = http (https is an option)
 - d. IP Address = All unassigned
 - e. Host name = leave blank, this would be where you would enter the host header record of *www.contoso.com*
 - f. Start the site, and acknowledge that another site is using port 80
9. Once the site is running, it can be managed by right clicking on your site or using the Action Panel.
10. In the center panel, change your default document to be index.html by double clicking on Default Document, then highlighting the file and clicking Move Up in the Action Panel until it is the first document in the list.
11. Using Notepad, create a file called index.html and save it to c:\MyWebSite.
12. Edit index.html by typing:
- a. `Welcome to Contoso, Ltd`
 - b. Save and close notepad.
13. Test your website and make sure it is accessible.
- a. Right click on the site named Contoso, and select Manage Web Sites, then select Browse.
14. You should see the website landing page you just created.

FTP Service

1. Using Windows Explorer, double click on local disk (C:).
2. Select *New folder* on the menu bar above the folders.
3. Type **ContosoFTP** for the folder name.
4. Open Internet Information Services (IIS) Manager by clicking All Programs → Administrative Tools → Internet Information Services (IIS) Manager.
5. Right click on the sites folder on the Connections Panel and select Add FTP Site.
6. Provide the following information:
 - a. FTP Site name = ContosoFTP
 - b. Physical Path = c:\ContosoFTP (create a folder on the system drive named contosoFTP)
 - c. Click Next
 - d. IP Address = All Unassigned

- e.** Port = 21
 - f.** SSL = No SSL
 - g.** Authentication = Anonymous
 - h.** Allow access to = Anonymous users
 - i.** Permissions: read/write
- 7.** Open Internet Explorer and type ftp://localhost. Verify access and create a folder, naming it as your last name. Have instructor verify.