

REVIEW LESSON

MTA Course: Web Development Fundamentals
Lesson name: Web Development Fundamentals 5.3
Topic: Publish Web applications
File name: WebDevFund_RL_5.3

Lesson Objective:

5.3: Publish Web applications. *This objective may include but is not limited to:* choosing the appropriate method to deploy an application based on existing or intended environment; updatable vs. not updatable; MSI deployment; IIS installation and configuration.

Preparation Details

Prerequisite student experiences and knowledge

This MTA Certification Exam Review lesson is written for students who have learned about Web design and Web application programming. Students who do not have the prerequisite knowledge and experiences cited in the objective will find additional learning opportunities using resources such as those listed in the Microsoft® resources and Web links at the end of this review lesson.

Students should have a basic understanding of the basics of setting up a Web server using Internet Information Services (IIS) and how to deploy a Microsoft Installer (MSI) file.

Instructor preparation activities

For this lesson, you will need a computer with Microsoft Office 2007® and Microsoft Visual Studio 2008®, attached to a liquid crystal display (LCD) projector to display and review the Microsoft PowerPoint® document.

Prepare a set of notecards: one card for each vocabulary word and one card for each definition.

Resources, software, and additional files needed for this lesson:

- WebDevFund_PPT_5.3
- WebDevFund_SA_5.3

- A Windows®-based PC with installed Web development software. Examples include Visual Studio 2008, or
 - Microsoft Visual Basic 2008®, Express Edition
(<http://www.microsoft.com/express/downloads/#2008-Visual-Basic>)
 - Microsoft Visual C# 2008®, Express Edition
(<http://www.microsoft.com/express/downloads/#2008-Visual-CS>)
 - Microsoft Visual Web Developer 2008, Express Edition
(<http://www.microsoft.com/express/downloads/#2008-Visual-Web-Developer>)

Teaching Guide

Essential vocabulary:

MSI file—a Microsoft Windows Installer package (.msi) file is a storage file containing the instructions and data required to install an application.

Internet Information Services—Internet Information Services (IIS) for Microsoft Windows Server is a flexible, secure, and easy-to-manage Web server for hosting anything on the Web.

Lesson Sequence

Activating prior knowledge/lesson staging (5–10 minutes)

Warm-up Activity—“What is IIS used for?”

1. Demonstrate how to create a website using IIS 7. Use the following link to demonstrate the steps using the LCD projector. Remind students that they can also access this link should they need additional review (link is listed in Student Activity doc).

<http://technet.microsoft.com/en-us/library/cc772350%28WS.10%29.aspx>

Lesson activity (30 minutes)

1. Using the PowerPoint presentation WebDevFund_PPT_5.3, review the concepts for this lesson.
2. Distribute Student Activity WebDevFund_SA_5.3.
 - a. Students will practice modifying the Web.config file.
3. Discuss the key objectives of the review assignment.

Assessment/lesson reflection (10 minutes)

1. Ask students to summarize how the activity met this lesson objective.
2. If time permits, request that some students display their solutions to portions of the activity to the class using the LCD projector.
3. Wrap up and provide homework/enrichment opportunities.

Microsoft resources and Web links

Students who wish to explore this lesson topic further may visit the following links:

Video lessons and references on IIS:

<http://learn.iis.net/page.aspx/523/web-platform-installer-20-walkthrough/>

<http://msdn.microsoft.com/en-us/library/bb763174.aspx>

<http://msdn.microsoft.com/en-us/library/ms178477.aspx>

<http://support.microsoft.com/kb/323972>

Microsoft ASP.NET:

<http://www.asp.net>

Suggested best practices:

- It may be beneficial to display code examples using the LCD projector for each of the major concepts, particularly when the vocabulary is being reviewed.