

## REVIEW LESSON

MTA Course: 10754 Microsoft .NET Fundamentals

Lesson name: Microsoft .NET Fundamentals 1.1

Topic: Understand basic application settings (One 50-minute class period)

File name: 10754\_Msft.NET\_RL\_1.1

### Lesson Objective

**1.1:** Understand basic application settings. *This objective may include but is not limited to:* understanding app.config and web.config.

### Preparation Details

#### Prerequisite student experiences and knowledge:

This MTA Certification Exam Review lesson is written for students who have learned about application programming with the Microsoft® .NET Framework. 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 “Resources” section at the end of this review lesson.

#### Instructor preparation activities:

- None

#### Resources, software, and additional files need for this lesson:

- 10754\_Msft.NET\_PPT\_1.1
- 10754\_Msft.NET\_RL\_1.1
- Microsoft Visual Studio® 2010; students may also use Visual C#® 2010 Express or Visual Basic® 2010 Express, available free at <http://www.microsoft.com/express/Windows/>

## **Teaching Guide**

### **Essential Vocabulary**

**App.config**—the default name of the application configuration file for Windows Forms and WPF applications; settings are stored here in XML format.

**application-scoped setting**—a setting intended to be application-wide (i.e., settings that are the same for all users of the application).

**Application Settings**—a mechanism for storing data that the developer does not wish to put in the source code.

**user-scoped setting**—a setting that is tied to a user account, so that it can be set differently for different users of the application.

**Web.config**—the default name of the application configuration file for ASP.NET applications; settings are stored here in XML format.

## **Lesson Sequence**

### **Activating prior knowledge/lesson staging (5 minutes):**

1. As indicated in the Microsoft PowerPoint® presentation, direct students to answer the prompt about application settings.
2. When students are finished, they compare their answers with a partner.
3. If time allows, call on each pair to share their responses.

### **Lesson activity (40 minutes):**

1. Use the presentation to review Application Settings.
  - Where indicated in the presentation notes, stop to demonstrate the processes for working with Application Settings.
  - Following each teacher demonstration, direct students to repeat the steps.
2. As directed in the presentation, have students create Application Settings and examine the resulting App.config file.
  - Students can complete the assignment in a new project, or you may choose to have them work in a project they have from previous classes.

**Assessment/lesson reflection (5minutes):**

1. As indicated on the Lesson Review slide in the presentation, direct students to explain the role of Application Settings.
2. As time allows, call on students to share responses; or, collect their responses and review after class to ensure students adequately understand the purpose of Application Settings.

**Resources:**

- **MSDN®: Application Settings Overview**  
*<http://msdn.microsoft.com/en-us/library/k4s6c3a0.aspx>*
- **MSDN: How to: Create Application Settings Using the Designer**  
*<http://msdn.microsoft.com/en-us/library/wabtadw6.aspx>*
- **MSDN: How to: Add or Remove Application Settings**  
*<http://msdn.microsoft.com/en-us/library/25zf0ze8.aspx>*