



## Course M6427-ILT

### Configuring and Troubleshooting Internet Information Services in Windows Server 2008

Three days, Instructor-Led

#### INTRODUCTION

In this 3-day instructor-led course, the students will learn to install, configure, maintain, and troubleshoot an Internet Information Services (IIS) 7.0 Web Server in Windows Server 2008.

#### AUDIENCE

The primary audience for this course is individuals who want to become a Web Server Administrator in an enterprise environment. Also, individuals who are assuming a new role requiring skills to manage content served by an IIS 7.0 Web Server over an intranet, extranet, and internet would be interested in this course.

The secondary audience for this course is individuals who are Web-based application developers who also possess networking skills.

#### PREREQUISITES

Before attending this course, students must have:

Course 6420 Foundational Series: Fundamentals of a Windows Server 2008 Network Infrastructure and Application Platform.

- A minimum of 1 year of experience administering and supporting a Web Server role using Windows Server 2003.
- Network + certification.

#### COURSE OUTLINE

##### MODULE 1: CONFIGURING AN IIS 7.0 WEB SERVER

The students will be introduced to the process of installing a Web Server and configuring IIS features such as application development; health and diagnostics; HTTP features and more.

Lessons

- Introducing Internet Information Services 7.0
- Installing the Web Server Role in Windows Server 2008
- Configuring Application Development, Health, and HTTP Features
- Configuring Performance, Security, and Server Component Features

##### Lab: Configuring an IIS 7.0 Web Server

- Installing IIS using Role Manager
- Installing IIS using Unattend Setup
- Installing IIS on Server Core from Command Line
- Configuring IIS and Validate Functionality

##### MODULE 2: CONFIGURING IIS 7.0 WEB SITES AND APPLICATION POOLS

The students will be introduced to creating and managing Web sites and application pools.

Lessons

- Introducing Web Sites and Application Pools
- Creating a Web Site
- Creating an Application Pool
- Maintaining an Application Pool

##### Lab: Configuring IIS 7.0 Web Sites and Application Pools



## Course M6427-ILT

### Configuring and Troubleshooting Internet Information Services in Windows Server 2008

Three days, Instructor-Led

- Configuring Authentication Types
- Creating a Web Site and Web Application
- Creating an Application Pool
- Configuring an Existing Application Pool

---

#### MODULE 3: CONFIGURING IIS 7.0 APPLICATION SETTINGS

The students will be introduced to configuring application settings using ASP.NET.

##### Lessons

- Configuring Application Settings
- Configuring ASP.NET Security

##### **Lab: Configuring IIS 7.0 Application Settings**

- Configuring ASP.NET
- Configuring ASP.NET Application Development Settings
- Configuring a Web Server to Host Multiple Web Applications with Separate Application Pools
- Configuring ASP.NET Security

---

#### MODULE 4: CONFIGURING IIS 7.0 MODULES

The students will be introduced to configuring IIS modules.

##### Lessons

- Configuring Native Modules
- Configuring Managed Modules

##### **Lab: Configuring IIS 7.0 Modules**

- Configuring and Editing Native Modules
- Configuring and Edit Managed Modules

---

#### MODULE 5: SECURING THE IIS 7.0 WEB SERVER AND WEB SITES

The students will be introduced to configuring a secure Web Server and Web sites and to using logging as a tool for monitoring security.

##### Lessons

- Configuring Secure Web Sites and Servers
- Configure Other Aspects of Web Server Security
- Configuring Logging for IIS 7.0

##### **Lab: Securing IIS 7.0 Web Server and Web Sites**

- Configuring a Secure Web Server
- Configuring Authorization, Authentication, and Access
- Configuring Logging

---

#### MODULE 6: CONFIGURING DELEGATION AND REMOTE ADMINISTRATION

The students will be introduced to assigning rights to Web site users and configuring users to serve as remote administrators of a server and its corresponding Web sites.



## Course M6427-ILT

### Configuring and Troubleshooting Internet Information Services in Windows Server 2008

Three days, Instructor-Led

#### Lessons

- Configuring Remote Administration
- Configuring Delegated Administration
- Configuring Feature Delegation

#### **Lab: Configuring Delegation and Remote Administration**

- Configuring Remote Administration
- Configuring Delegated Administration
- Configuring Feature Delegation

---

#### MODULE 7: USING COMMAND-LINE AND SCRIPTING FOR IIS 7.0 ADMINISTRATION

The students will learn basic scripting methods for completing IIS 7.0 administrative tasks needed to maintain Web sites and Web Servers.

#### Lessons

- Tools for Running Administrative Tasks in IIS
- Executing Scripts for Administrative Tasks
- Managing IIS Tasks

#### **Lab: Using Command-line and Scripting for IIS 7.0 Administration**

- Managing IIS Web Sites with PowerShell
- Executing a Script using WAP
- Automating IIS Administration using Scripts
- Navigating IIS tasks using WMI and Appcmd

---

#### MODULE 8: TUNING IIS 7.0 FOR IMPROVED PERFORMANCE

The students will be introduced to techniques for improving Web Server performance.

#### Lessons

- Implementing Best Practices for Improving IIS Performance
- Configuring Options to Improve IIS Performance
- Managing Application Pools to Improve IIS Performance

#### **Lab: Tuning IIS 7.0 for Performance**

- Configuring IIS Performance Options
- Managing Application Pools to Improve Performance
- Deploying Applications

---

#### MODULE 9: ENSURING WEB SITE AVAILABILITY WITH WEB FARMS

The students will learn to ensure Web site availability in a Web farm topology.

#### Lessons

- Backing Up and Restoring Web Sites
- Working with Shared Configurations
- Configuring Network Load Balancing for IIS



## Course M6427-ILT

### Configuring and Troubleshooting Internet Information Services in Windows Server 2008

Three days, Instructor-Led

#### Lab: Ensuring Web Site Availability with Web Farms

- Backing Up an IIS Web Site
- Restoring an IIS Web site
- Enabling Shared Configurations
- Configuring Network Load Balancing

---

#### MODULE 10: TROUBLESHOOTING IIS 7.0 WEB SERVERS

The students will learn to use audit logs to troubleshoot common Web Server related authentication, authorization, communication, and configuration error messages.

##### Lessons

- Using IIS 7.0 Logging for Troubleshooting
- Troubleshooting Authentication
- Troubleshooting Authorization
- Troubleshooting Communication
- Troubleshooting Configuration

#### Lab: Troubleshooting IIS 7.0 Web Servers

- Troubleshooting Authentication
- Troubleshooting Authorization Types
- Troubleshooting Communication
- Troubleshooting Configuration