

Course Outline: 6427 _ Configuring and Troubleshooting Internet Information Services in Windows Server 2008

Learning Method: Instructor-led Classroom Learning

Duration: 3.00 Day(s)/ 24 hrs

Overview:

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.

Who Should Attend: This course is intended for individuals who are employed as a Systems Administrator, Systems Engineer and IT Manager

At Course Completion:

- After completing this course, students will be able to:
- Describe the IIS 7.0 modular architecture and workloads.
- Configure an IIS 7.0 Web Server.
- Secure Web sites and Web application pools.
- Troubleshoot Web servers, sites and applications
- Use command line tools and scripting tools
- Tune IIS to improve performance.
- Maintain Web sites.
- Enable integrated technologies to extend IIS 7.0 functionality

Outline:

Module 1: Configuring an IIS 7.0 Web Server

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

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Lab 1: 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

Lessons

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

Lab 2: Configuring IIS 7.0 Web Sites and Application Pools

- 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
Lessons

- Configuring Application Settings
- Configuring ASP.NET Security

Lab 3: 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

Lessons

- Configuring Native Modules
- Configuring Managed Modules

Lab 4: 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

Lessons

- Configuring Secure Web Sites and Servers

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- Configure Other Aspects of Web Server Security
- Configuring Logging for IIS 7.0

Lab: Securing the 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

Lessons:

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

Lab 6: 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

Lessons:

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

Lab 7: Using Command-line and Scripting for IIS 7.0 Administration

- Managing IIS Web Sites with Power Shell
- 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

Lessons:

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

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Lab 8: Tuning IIS 7.0 for Improved Performance

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

Module 9: Ensuring Web Site Availability with Web Farms

Lessons:

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

Lab 9: 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

Lessons:

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

Lab 10: Troubleshooting IIS 7.0 Web Servers

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

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