IIS 7.5 for Windows Server® 2008 - 4 Days

Course 966 Overview

You Will Learn How To

- Install and configure Internet Information Services 7.5 (IIS 7.5) on Windows Server 2008
- Manage the modular architecture of IIS 7.5 to customize installation
- Efficiently administer sites with scripted tasks and delegation
- Secure content by enabling authorization and encrypted data transfer
- Implement a hosting solution supporting ASP.NET and PHP

Who Should Attend


Hands-On Experience Includes:

- Scripting administrative tasks
- Enabling encrypted communication
- Analyzing performance criteria
- Publishing solutions with WebDAV and FTP
- Constructing multiple virtual servers
- Testing failover with NLB clusters
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Course 966 Outline

IIS 7.5: A Powerful Web Application Platform
• Integration with ASP.NET framework
• Revealing the fully extensible modular architecture
• Benefiting from enhanced performance and reliability

Preparing for IIS 7.5 Installation
Overview of web architecture
• Communicating between browsers and servers
• Building blocks of Internet technologies

Installing the web server
• Verifying minimum requirements
• Establishing installation best practices

Configuring the Extensible Modules
Analyzing the default installation
• Identifying standard modules
• Modifying initial configuration settings

Extending functionality with additional modules
• Determining application requirements
• Enabling selected modules for application support

Building a Reliable Website
Automatic sandboxing with application pools
• Managing application pools
• Isolating applications for improved stability/performance

Maintaining application availability
• Monitoring process recycling and program health
• Detecting errors with Failed Request Event Tracing

Streamlining Administrative Tasks
Configuring application settings
• Automating tasks with PowerShell
• Xcopy deployment of site settings and content
• Gaining more control with Administration tools

Delegating administrative responsibilities
• Assigning feature control to site owners
• Employing Configuration Tracing to track changes

Developing Applications with IIS 7.5
Maximizing ASP.NET integration
• Analyzing integrated and classic pipeline modes
• Building ASP.NET web pages and configuring support
• Configuring support for classic ASP

Supporting alternative technologies
• Enabling popular application frameworks with FastCGI
• Creating a PHP solution

Securing Web Applications
Providing secure user authentication
• Setting up users and groups
• Selecting authentication modules
• Implementing restricted access

Encrypting communication
• Requesting and installing a server certificate
• Enabling SSL/TLS for secure data communications
• Verifying server authenticity with certificates

Expanding Hosting Capabilities
Publishing web content
• Uploading data with Secure FTP
• Managing file structures with WebDAV

Creating multiple virtual servers
• Protecting and isolating competing sites
• Resolving sites with DNS and host headers

Integrating SharePoint technologies
• Team collaboration and document management capabilities
• Configuring SharePoint to coexist with other websites

Deploying a Scalable Web Server
Tuning and optimizing performance
• Troubleshooting performance counters
• Analyzing web server log files

Implementing a robust server farm
• Achieving fault-tolerance and scalability
• Building a Network Load Balancing (NLB) cluster

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