

Course Outline

6417- Updating your Applications Infrastructure Technology Skills to Windows Server 2008



Duration: 3 day (18hours)

Target Audience:

This course is intended for IT Professionals experienced on the technologies included in Windows Server 2000 and Windows Server 2003, and who hold an MCSE or MCSA certification and/or equivalent knowledge.

Prerequisites:

Before attending this course, students must have one or more of the following:

- On-the-job experience in planning, implementing, managing, or supporting Microsoft Windows Server 2000 or 2003, including Active Directory and Network Infrastructure
- Working knowledge of networking, for example, TCP/IP and Domain Name System (DNS).
- Designed a Microsoft Windows Server 2003 Active Directory and Network Infrastructure
- Designed Security for a Microsoft Windows Server 2003 Network
- Installed, Configured, and Administered Microsoft Windows 2000, Windows XP Professional, or Microsoft Vista.

Topics Covered:

- Module 1: Server Roles and Initial Configuration Tasks
 - Application Server Roles
 - Application Server Features
 - Implement a Volume Licensing Strategy using KMS and MAK
 - Lab 1: Server Roles and Configuration Tasks
 - Perform Initial Configuration Tasks
 - Add Windows Features

After completing this module, students will be able to:

- Identify and install application server roles that are integrated with Windows Server 2008.
- Identify and install Windows application server features available with Windows Server 2008.
- Implement Windows Activation 2.0.

- Module 2: Overview of IIS 7.0 Application Server
 - Review of IIS 6.0
 - Key Improvements in IIS 7.0
 - IIS 7.0 Configuration System
 - Adding the SMTP Feature
 - Lab 1: Introducing IIS 7.0
 - Adding the Web Server Role and Additional Services
 - Reviewing the IIS 7.0 Administration Interface

- Add an ASP.NET Application

After completing this module, students will be able to:

- Review key IIS 6.0 design elements.
- Install and configure the SMTP feature.
- Identify key improvements the improvements.
- Describe the new IIS 7.0 configuration system.

➤ Module 3: Managing Web Applications with IIS 7.0

- Managing IIS 7.0
- Using Hierarchical Configuration Settings
- Delegating Configuration to Non-Administrator Users
 - Lab 1: Managing Web Applications with IIS 7.0
 - Using IIS 7.0 Configuration Files to Control Delegation
 - Extending the User Interface with Custom Features
 - Controlling Delegation Using Locking
 - Configuring IIS 7.0 using the Managed API
 - Using IIS 7.0 to Configure SSL

After completing this module, students will be able to:

- Explain management approaches for IIS 7.0.
- Use the IIS 7.0 configuration system.
- Grant non-administrative users access to IIS 7.0 configuration settings.

➤ Module 4: Troubleshooting Web Servers

- Troubleshooting IIS 7.0
- Using the Runtime Control and Status API
- Using Automatic Failed Request Tracing
- Adding Trace Events to Managed Modules
 - Lab 1: Troubleshooting Web Servers
 - Tracing Failed Requests
 - Using RSCA to View Executing Requests
 - Using Managed APIs to Access RSCA Data
 - Using Trace Events in ASPX Pages
 - Adding Trace Events to Managed Modules

After completing this module, students will be able to:

- Use IIS 7.0 troubleshooting features to gather troubleshooting information.
- Use the Runtime Control and Status API.
- Add trace events to managed modules.

➤ Module 5: Introduction to the Windows SharePoint Services 3.0 Platform

- Overview of Windows SharePoint Services
- Collaborative Technologies with WSS
- Planning the WSS 3.0
- Review Planning Site Creation, Maintenance, and Security
- Review Planning Server Requirements and Topologies
- Performing a Clean Installation of Windows SharePoint Services 3.0
- Installing and Configuring the Central Administration Site
 - Lab 1: Introduction to the Windows SharePoint Services 3.0 Platform
 - Installing and Configuring the Central Administration Site
 - Create a Site Connection

After completing this module, students will be able to:

- Describe Windows SharePoint Services 3.0.

- Describe document collaboration with Windows SharePoint Services 3.0.
- Plan all components of a Windows SharePoint Services 3.0 Deployment.
- Install and Configure Windows SharePoint Services 3.0
- Module 6: Configuring and Managing Windows SharePoint Services 3.0
 - Creating and Configuring Sites2
 - Managing Windows SharePoint Services 3.0
 - Lab 1: Configuring and Managing Windows SharePoint Services 3.0
 - Starting the Windows SharePoint Services Search Service
 - Configuring Alternate access Mappings
 - Managing Site Settings
 - Troubleshooting Windows SharePoint Services 3.0 Server Performance Issues

After completing this module, students will be able to:

- Create Web applications and Site collection with Windows SharePoint Services 3.0.
- Manage WSS 3.0 sites
- Troubleshoot SharePoint performance issues.
- Module 7: Configuring Terminal Services
 - Terminal Services Overview
 - Terminal Services Core Functionality
 - Terminal Services Web Access
 - Terminal Services Licensing
 - Lab 1: Exploring Terminal Services
 - Installing Terminal Services
 - Remote Desktop Connection
 - Configure TS Web Access

After completing this module, students will be able to:

- Describe how Terminal Services works.
- Identify new Terminal Services core features.
- Use Terminal Services Web Access.
- Describe how Terminal Services Licensing functions.
- Module 8: Managing Terminal Services
 - Terminal Services Remote Programs
 - Terminal Services Gateway
 - Managing Terminal Services
 - Lab 1: Managing Terminal Services
 - Using Terminal Services Remote Programs
 - Configuring Terminal Services Gateway
 - Managing Terminal Services Remote Programs
 - Managing Terminal Server

After completing this module, students will be able to:

- Use and Manage Terminal Services Remote Programs
- Use and Manage Terminal Services Gateway
- Optimize and Monitor Terminal Services
- Module 9: Configuring Storage
 - Preparing Disks
 - Managing Disk Properties
 - Managing Mounted Drives
 - Converting Disks
 - Creating Volumes

- Creating Fault-Tolerant Volumes
 - Lab 1: Configuring Storage
 - Configure partitions and file systems
 - Configure Volumes

After completing this module, students will be able to:

- Initialize and partition a disk.
- View and update disk properties.
- Manage mounted drives
- Convert a disk from basic to dynamic and from dynamic to basic.
- Create volumes on a disk.
- create fault-tolerant volumes.