

Course Description: This three day instructor led course provides students with an understanding of Applications Infrastructure technologies in Windows Server 2008. This course is intended to allow individuals who already have experience with Applications Infrastructure technologies in Windows 2000 Server or Windows Server 2003 to upgrade their skills to Windows Server 2008.

Who Should Attend: 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; or Installed, Configured, and Administered Microsoft Windows 2000, Windows XP Professional, or Microsoft Vista.

Benefits of Attendance: Upon completion of this course, students will be able to:

- Configure and use Windows Server as an application server with new Server Roles.
- Use new features in IIS 7.0 Application Server, including the new modular configuration system.
- Manage Web Applications with IIS 7.0.
- Troubleshoot IIS 7.0-based Web servers with automatic failed request tracing and other included features and tools.
- Plan for Windows SharePoint Services 3.0 implementation in a variety of network environments.
- Configure and manage Windows SharePoint Services 3.0 from initial setup through troubleshooting and day-to-day operation.
- Use new features in Terminal Services and describe Terminal Services Licensing.
- Use and manage Terminal Services remote programs and gateways, including troubleshooting and performance optimization.
- Configure disk storage in Windows Server 2008.

Course Outline:

Module 1: Server Roles and Initial Configuration Tasks

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

Module 2: Overview of IIS 7.0 Application Server

Review SMTP in Windows Server 2008
Key Improvements in IIS 7.0
IIS 7.0 Configuration System
Adding the SMTP Feature
Lab : Introducing IIS 7.0
Adding the Web Server Role and Additional Services
Reviewing the IIS 7.0 Administration Interface
Add an ASP.NET Application

Module 3: Managing Web Applications with IIS 7.0

Managing IIS 7.0
Using Hierarchical Configuration Settings
Delegating Configuration to Non-Administrator Users
Lab : 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
Using IIS 7.0 to Configure SSL

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 : 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

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 Environment
Installing and Configuring WSS 3.0
Lab : Introduction to the Windows SharePoint Services 3.0 Platform
Installing and Configuring the Central Administration Site
Creating a Site Connection

Module 6: Configuring and Managing Windows SharePoint Services 3.0

Creating and Configuring Sites2
Managing Windows SharePoint Services 3.0
Lab : Configuring and Managing Windows SharePoint Services 3.0
Starting the Windows SharePoint Services Search Service
Configuring Alternate Access Mappings
Managing Site Settings
Troubleshooting WSS 3.0 Server Performance Issues

Module 7: Configuring Terminal Services

Terminal Services Overview
Terminal Services Core Functionality
Terminal Services Web Access
Terminal Services Licensing
Lab : Exploring Terminal Services
Installing Terminal Services
Remote Desktop Connection
Configure TS Web Access

Module 8: Managing Terminal Services

Terminal Services RemoteApp Programs
Terminal Services Gateway
Managing Terminal Services
Lab : Managing Terminal Services
Using Terminal Services RemoteApp Programs
Configuring Terminal Services Gateway
Managing TS Remote Programs
Managing Terminal Server
Optimizing Terminal Services Performance

Module 9: Configuring Storage

Preparing Disks
Managing Disk Properties
Managing Mounted Drives
Converting Disks
Creating Volumes
Creating Fault-Tolerant Volumes
Lab : Configuring Storage
Configure partitions and file systems
Configure Volumes