

DURATION: 5 days**CODE:** SOL/SYS/6419**COURSE OBJECTIVE**

After completing this course, students will be able to:

- Describe the Windows Server 2008 environment including the roles, features, and the tools used to perform effective server management.
- Manage the DNS and DHCP server infrastructure roles.
- Configure secure and efficient access to file services.
- Configure and manage Distributed File Systems.
- Manage file resources by using File Server Resource Manager.
- Configure and secure Remote Access.
- Manage Active Directory Domain Services.
- Configure Active Directory object administration and Domain Trust.
- Create and manage Group Policy objects.
- Configure user and computer settings by using Group Policy.
- Implement security settings by using Group Policy.
- Provide efficient network access for remote offices.
- Monitor and maintain Windows Server 2008.
- Manage Windows Server 2008 backup, restore, and recovery.

6419 - Configuring Managing & Maintaining Windows Server 2008 Servers

DESCRIPTION

This five-day instructor-led course provides students with the knowledge and skills that are required to manage accounts and resources, maintain server resources, monitor server performance, and safeguard data in a Microsoft Windows Server 2008 and R2 environment. This course covers the core skills required by anyone working with Windows Server 2008 Servers.

COURSE OUTLINE**Module 1: Overview of the Windows Server 2008 Management**

- Understanding the Windows Server 2008 Environment
- Overview of Windows Server 2008 Server Roles and Features
- Windows Server 2008 Administration Tools
- Managing Windows Server 2008 Server Core

Module 2: Managing Windows Server 2008 Infrastructure Roles

- Understanding IPv6 Addressing
- Overview of the Domain Name System Server Role
- Configuring DNS Zones
- Overview of the DHCP Server Role
- Configuring DHCP Scopes and Options

Module 3: Configuring Access to File Service

- Overview of Access Control
- Managing NTFS File and Folder Permissions
- Managing Permissions for Shared Resources
- Determining Effective Permissions

Module 4: Configuring and Managing Distributed File System

- Distributed File System Overview
- Configuring DFS Namespaces
- Configuring DFS Replication

WHO SHOULD ATTEND

Candidates for this course are information technology (IT) professionals who work in medium to large organizations. The primary candidate is a Windows Server administrator who operates Windows Servers on a daily basis and who requires the skills for configuring, managing, and maintaining servers installed with Windows Server 2008, including the Release 2 (R2) edition. Candidates are typically responsible for day-to-day management of the server operating system and various server roles such as DHCP, DNS, file and print services, directory services, and software distribution. This course may also be considered in combination with other exam preparation materials for candidates wishing to prepare for MCTS and MCITP certification in Windows Server 2008.

Module 5: Managing File Resources by Using File Server Resource Manager

- Overview of File Server Resource Manager
- Configuring Quota Management
- Implementing File Screening
- Managing Storage Reports
- Implementing Classification Management and File Management Tasks

Module 6: Configuring and Securing Remote Access

- Configuring a Virtual Private Network Connection
- Overview of Network Policies
- Integrating Network Access Protection with VPNs
- Configuring VPN Enforcement by Using NAP
- Overview of DirectAccess
- Deploying DirectAccess

Module 7: Managing Active Directory Domain Services

- Overview of the Active Directory Infrastructure
- Working with Active Directory Administration Tools
- Managing User Accounts
- Managing Computer Accounts
- Managing Groups
- Using Queries to Locate Objects in AD DS

Module 8: Configuring Active Directory Object Administration and Domain Trust

- Configuring Active Directory Object Administration
- Configuring Active Directory Trusts

Module 9: Creating and Managing Group Policy Objects

- Overview of Group Policy
- Configuring the Scope of Group Policy Objects
- Managing Group Policy Objects
- Evaluating and Troubleshooting Group Policy Processing

PREREQUISITES

Before attending this course, in addition to their professional experience, students must have:

- At least one year experience operating Windows Servers in the area of account management, server maintenance, server monitoring, or server security.
- Certification related to the Microsoft Technology Associate (MTA) Networking Fundamentals, Security Fundamentals, and Windows Server Administration Fundamentals designations, or equivalent knowledge as outlined in course 6420B: Fundamentals of Windows Server 2008.
- A+, Server+, hardware portion of Network+, or equivalent knowledge.
- Working knowledge of networking technologies.
- Intermediate understanding of network operating systems.
- Basic knowledge of Active Directory.
- An understanding of security concepts and methodologies (for example, corporate policies).
- Basic knowledge of TCP/IP.
- Basic knowledge of scripting tools such as PowerShell and WMI.

Module 10: Using Group Policy to Configure User and Computer Settings

- Using Group Policy to Configure Folder Redirection and Scripts
- Using Administrative Templates to Manage Users and Computers
- Deploying Software by Using Group Policy
- Deploying Group Policy Preferences

Module 11: Implementing Security Settings Using Group Policy

- Overview of Security Settings
- Implementing Fine-Grained Password Policies
- Restricting Group Membership and Access to Software

Module 12: Providing Efficient Network Access for Remote Offices

- Overview of Remote Office Requirements
- Implementing Read-Only Domain Controllers
- Implementing BranchCache

Module 13: Monitoring and Maintaining Windows Server 2008

- Planning Maintenance Tasks
- Calculating a Server Baseline
- Interpreting Performance Counters
- Selecting Appropriate Monitoring Tools

Module 14: Managing Windows Server 2008 Backup, Restore, and Recovery

- Planning and Implementing File Backups on Windows Server 2008
- Planning and Implementing File Recovery
- Recovering Active Directory
- Troubleshooting Windows Server Startup