



Installing, Configuring & Administering Windows 2003 Server

(MS2273+MS2277)

Introduction

This course combines five days of instructor-led training to provide 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 2003 environment. It also provides students with the knowledge and skills to implement, manage, and maintain a Microsoft Windows Server 2003 network infrastructure.

For Who?:

This course is appropriate for individuals who are employed or seeking a position as a systems administrator or systems engineer.

Certificate Of Attendance :

Certificate Of Attendance will be awarded to students completing the course achieving minimum 75% attendance.

Training Methodology & Materials:

- Practical hands-on sessions, 75% lab-based and 25% theory-based.
- Additional and well-designed labs handouts are given to enhance further enhance the courseware given.

Training Duration:

Full-time: 5 Days (9.30am to 5.30pm)
Part Time: 10 sessions (7pm to 10pm)

Course Training Fee:

Course fee : \$899
Registration fee : \$50

DETAILED COURSE OUTLINE

MS2273 : Managing and Maintaining a Microsoft Windows Server 2003 Environment

Module 1: Introduction to Administering Accounts and Resources

This module explains how to administer accounts and resources on computers running Microsoft Windows Server 2003 software in a networked environment.

- Multimedia: Introduction to Administering Accounts and Resources
- The Windows Server 2003 Environment
- Logging on to Windows Server 2003
- Using the Run As Feature for Administration
- Installing and Configuring Administrative Tools
- Creating an Organizational Unit

Module 2: Managing User and Computer Accounts

This module explains how to modify user and computer accounts on computers running Microsoft Windows Server 2003 in a networked environment.

- Creating User Accounts
- Creating Computer Accounts
- Modifying User and Computer Account Properties
- Creating a User Account Template
- Managing User and Computer Accounts
- Using Queries to Locate User and Computer Accounts in Active Directory

Module 3: Managing Groups

This module explains how to perform various administrative functions using groups.

- Creating groups.
- Managing group membership.
- Strategies for using groups.
- Using default groups.

Module 4: Managing Access to Resources

This module explains how to enable resource access with permissions, manage access to files and folders using permissions, and manage permission inheritance.

- Overview of Managing Access to Resources
- Managing Access to Shared Folders
- Managing Access to Files and Folders Using NTFS Permissions
- Determining Effective Permissions

Module 5: Implementing Group Policy

This module explains the purpose and function of Group Policy in a Microsoft Windows Server 2003 environment. It also explains how to implement Group Policy objects (GPOs) and manage GPOs.

- Implementing Group Policy Objects
- Implementing GPOs on a Domain
- Managing the Deployment of Group Policy

Module 6: Managing the User Environment by Using Group Policy

This module explains how to use Group Policy to assign scripts, restrict group membership and access to software and configure folder redirection. As well, this module explains how to determine which GPOs are being applied on a computer.

- Configuring Group Policy Settings

- Assigning Scripts with Group Policy
- Configuring Folder Redirection
- Determining Applied GPOs

Module 7: Preparing to Monitor Server Performance

This module explains how to monitor server performance by using performance tools, configure and manage performance logs, configure and manage alerts, and manage system monitor views.

- Introduction to Monitoring Server Performance
- Performing Real-Time and Logged Monitoring
- Configuring and Managing Counter Logs
- Configuring Alerts

MS2277 : Implementing, Managing, and Maintaining a Microsoft Windows Server 2003 Network Infrastructure

Module 1: Allocating IP Addressing by Using Dynamic Host Configuration Protocol (DHCP)

This module provides you with the knowledge and skills to allocate IP addressing in a network environment.

- Multimedia: The Role of DHCP in the Network Infrastructure
- Adding and Authorizing a DHCP Server Service
- Configuring a DHCP Scope, DHCP Reservations and Options & a DHCP Relay Agent

Module 2: Managing and Monitoring Dynamic Host Configuration Protocol (DHCP)

This module provides you with the knowledge and skills to manage the DHCP service to reflect changing client IP addressing needs. It also provides you with the knowledge and skills to monitor DHCP server performance, because the DHCP environment is dynamic.

- Managing a DHCP Database
- Monitoring DHCP
- Applying Security Guidelines for DHCP

Module 3: Resolving Names

This module provides you with the knowledge and skills to assign computer names to the IP addresses of the source and destination hosts, and then use the computer name to contact the hosts.

- Multimedia: Introduction to the Name Resolution Process
- Viewing Names on a Client
- Configuring Host Name Resolution and NetBIOS Name Resolution

Module 4: Resolving Host Names by Using Domain Name System (DNS)

This module provides you with the knowledge and skills to resolve host names by using Domain Name System.

- Multimedia: The Role of DNS in the Network Infrastructure
- Installing the DNS Server Service
- Configuring the DNS Server Service, the DNS Zones, DNS Zone Transfers and a DNS Client

Module 5: Integrating Domain Name System and Active Directory

This module provides you with the ability to manage integration between Active Directory directory service and Domain Name System (DNS).

- Configuring Active Directory Integrated Zones
- Configuring DNS Dynamic Updates
- Understanding How Active Directory Uses DNS

Module 6: Managing and Monitoring Domain Name System (DNS)

This module provides you with the knowledge and skills to manage and monitor DNS servers to ensure that they are functioning properly and to optimize network performance.

- Managing DNS Records
- Testing the DNS Server Configuration
- Monitoring DNS Server Performance

Module 7: Configuring Routing by Using Routing and Remote Access

This module provides you with the knowledge and skills to configure a routing solution for your network environment.

- Multimedia: The Role of Routing in the Network Infrastructure
- Enabling and Configuring the Routing and Remote Access Service
- Configuring Packet Filters

Module 8: Securing Network Traffic by Using IPSec and Certificates

This module provides you with the knowledge and skills to secure network traffic and to use certificates with IPSec for increased security.

- Implementing IPSec
- Understanding IPSec Deployment Scenarios
- Monitoring IPSec

Module 9: Configuring Network Access

This module provides you with the knowledge and skills to configure a server with the Routing and Remote Access service, create appropriate remote access connections on a network access server, and configure users' access rights.

- Introduction to a Network Access Infrastructure
- Configuring VPN Access, Dial-up Access, Wireless Access
- Controlling User Access to a Network
- Centralizing Network Access Authentication by Using IAS