

Course Outline

Other Information

MS 2152

Days	5
Starting Time	9:00
Finish Time	4:30

Lunch & refreshments are included with this course.

Implementing Microsoft Windows 2000 Professional and Server

Introduction

This course provides students with the knowledge and skills necessary to install and configure Microsoft Windows 2000 Professional on stand-alone and client computers that are part of a workgroup or domain. In addition, this course provides the skills and knowledge necessary to install and configure Windows 2000 Server to create file, print, Web, and Terminal servers. It also provides students with the prerequisite knowledge and skills required for course 2153, *Implementing a Microsoft Windows 2000 Network Infrastructure*.

MCP Exam

This course will help the student prepare for the following Microsoft Certified Professional exams—

- Exam 70-210, Installing, Configuring, and Administering Microsoft Windows 2000 Professional
- Exam 70-215, Installing, Configuring, and Administering Microsoft Windows 2000 Server

Pre-Requisites

Successful completion of course 2151, *Microsoft Windows 2000 Network and Operating System Essentials*, or equivalent knowledge. This includes the ability to—

- Describe the principal features of the Windows 2000 operating system and the basics of networking in a Windows 2000 environment.
- Identify the tools used to perform common administrative tasks.
- Describe the types of user accounts and the principal security features of a Windows 2000 environment.
- Describe the features of the common network protocols used in Windows 2000.
- Describe the fundamentals of Transmission Control Protocol/Internet Protocol (TCP/IP).
- Describe the communication process in a Windows 2000 network.
- Differentiate between the various types of network architectures.
- Describe the common hardware components used in network communication.
- Describe the requirements for Internet access and Web security.

Course Outline

Day 1

Ø Module 1—Installing or Upgrading to Windows 2000

- Preparing for Installation
- Installing Windows 2000 Professional from a Compact Disc
- Installing Windows 2000 Advanced Server from a Compact Disc



Learning Solutions



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Course Outline (Continued)

- Upgrading to Windows 2000 Professional
- Upgrading to Windows 2000 Advanced Server
- Identifying Setup Errors

Lab

- Installing Windows 2000

Ø Module 2—Configuring the Windows 2000 Environment

- Configuring and Managing Hardware
- Configuring Display Options
- Configuring System Settings
- Configuring the Desktop Environment
- Configuring Internet Options for Client Computers

Labs

- Creating and Using Hardware Profiles
- Modifying Startup and Recovery Options
- Configuring Internet Options

Ø Module 3—Connecting Windows 2000–based Clients to Networks

- Windows 2000 Connectivity
- Connecting to a Microsoft Network
- Connecting to a Novell NetWare Network

Labs

- Configuring and Testing IP Addresses
- Installing and Configuring Gateway (and Client) Services for NetWare

Day 2

Ø Module 4—Creating and Managing User Accounts

- Introduction to User Accounts
- Guidelines for New User Accounts
- Creating Local User Accounts
- Creating and Configuring Domain User Accounts
- Setting Properties for Domain User Accounts
- Customizing User Settings with User Profiles
- Best Practices

Labs

- Creating Local User Accounts
- Creating and Modifying Domain User Accounts

Ø Module 5—Managing Access to Resources by Using Groups

- Introduction to Windows 2000 Groups
- Implementing Groups in a Workgroup

Course Outline (Continued)

- Implementing Groups in a Domain
- Best Practices

Lab

- Creating a Global Group

Ø Module 6—Managing Data by Using NTFS

- Introduction to NTFS Permissions
- How Windows 2000 Applies NTFS Permissions
- Using NTFS Permissions
- Using Special NTFS Permissions
- Compressing Data on an NTFS Partition
- Configuring Disk Quotas on NTFS Partitions
- Securing Data by Using EFS

Labs

- Using NTFS Permissions
- Configuring Disk Compression and Quotas
- Securing Files by Using EFS

Day 3

Ø Module 7—Providing Network Access to File Resources

- Introduction to Shared Folders
- Creating Shared Folders
- Combining NTFS and Shared Folders Permissions
- Using Administrative Shared Folders
- Publishing a Shared Folder in Active Directory
- Configuring Shared Folders by Using Dfs

Labs

- Sharing and Securing Network Resources
- Configuring Domain-based Dfs

Ø Module 8—Monitoring and Optimizing Performance in Windows 2000

- Monitoring Event Logs
- Using Task Manager to Monitor System Resources
- Using System Monitor to Monitor System Performance
- Using Alerts
- Optimizing Performance

Labs

- Using Task Manager and Event Viewer
- Monitoring System Performance

Course Outline (Continued)

Ø Module 9—Implementing Security in Windows 2000

- Securing Desktops and Services by Using Security Policies
- Auditing Access to System Resources

Labs

- Configuring Windows 2000 Security Settings
- Configuring Auditing

Day 4

Ø Module 10—Configuring Printing

- Introduction to Windows 2000 Printing
- Adding a Printer
- Configuring a Network Printer
- Configuring Internet Printing

Labs

- Installing Printers on a Print Server
- Installing a Client Printer and Managing Printers

Ø Module 11—Configuring Windows 2000 for Mobile Computing

- Configuring Hardware for Mobile Computing
- Configuring Power Management Options for Mobile Computing
- Making Files Available for Offline Use
- Connecting to Networks and Computers
- Identifying Solutions to Mobile Computing Problems

Labs

- Configuring Power Management Options
- Configuring Offline Files

Ø Module 12—Configuring and Managing Disks

- Windows 2000 Disk Types
- Creating Partitions on a Basic Disk
- Creating Volumes on a Dynamic Disk
- Performing Common Disk Management Tasks
- Best Practices

Labs

- Working with Dynamic Disks
- Creating and Mounting a New Volume

Day 5

Ø Module 13—Implementing Disaster Protection

- Introduction to Disaster Protection
- Configuring an Uninterruptible Power Supply

Course Outline (Continued)

- Implementing Fault Tolerance by Using RAID
- Backing Up and Restoring Data
- Using Disaster Recovery Tools

Labs

- Implementing Fault-Tolerant Volumes
- Backing Up and Restoring System State Data

Ø Module 14—Installing and Configuring Terminal Services

- Introduction to Terminal Services
- Planning the Installation
- Installing Terminal Services
- Configuring Terminal Services
- Establishing a Terminal Session
- Configuring Session Settings
- Installing Applications on a Terminal Server

Labs

- Installing Terminal Services
- Installing an Application

Ø Module 15—Implementing Windows 2000 Clients

- Deploying Windows 2000
- Performing a Manual Network Installation
- Customizing Installations and Upgrades by Using Switches
- Installing Windows 2000 Using the Setup Manager Wizard
- Using Disk Duplication
- Installing Windows 2000 Using RIS
- Troubleshooting Windows 2000 Setup

Labs

- Creating an Answer File for an Unattended Installation
- Running the System Preparation Tool

Ø Module 16—Implementing Windows 2000–based Servers

- Common Implementation Features
- Implementing a File Server
- Implementing a Print Server
- Implementing an Application Server
- Implementing a Web Server
- Routine Administration Tasks