

Windows 2000 MCSE Core Exam Objectives

A

In this appendix, you'll find four tables listing the exam objectives for each of the four core Microsoft Windows 2000 MCSE certification exams. Each table is an exhaustive cross-reference chart that links every exam objective to the corresponding materials (text and labs) in this book where the subject matter is covered.

The tables you'll find in this appendix are:

- Table A-1: Exam 70-210 – Installing, Configuring, and Administering Microsoft Windows 2000 Professional
- Table A-2: Exam 70-215 – Installing, Configuring, and Administering Microsoft Windows 2000 Server
- Table A-3: Exam 70-216 – Implementing and Administering a Microsoft Windows 2000 Network Infrastructure
- Table A-4: Exam 70-217 – Implementing and Administering a Microsoft Windows 2000 Directory Services Infrastructure

TABLE A-1 Exam 70-210 – Installing, Configuring, and Administering Microsoft Windows 2000 Professional

Exam Objective	Chapter	Section
Installing Windows 2000 Professional		
Perform an attended installation of Windows 2000 Professional.	Chapter 3	Hardware Requirements for Installation Getting Ready to Install Windows 2000 The Installation Process
Perform an unattended installation of Windows 2000 Professional.	Chapter 19	Using Setup Manager Using an Answer File to Perform an Unattended Installation
Install Windows 2000 Professional by using Windows 2000 Server Remote Installation Services (RIS).	Chapter 19	Using Remote Installation Services (RIS)
Install Windows 2000 Professional by using the System Preparation Tool.	Chapter 19	Using Sysprep
Create unattended answer files by using Setup Manager to automate the installation of Windows 2000 Professional.	Chapter 19	Creating an Answer File by Using Setup Manager
Upgrade from a previous version of Windows to Windows 2000 Professional.	Chapter 4	Entire Chapter
Apply update packs to installed software applications.	Chapter 4	Obtaining Upgrade Packs for Software Upgrading to Windows 2000 Professional
Prepare a computer to meet upgrade requirements.	Chapter 4	Preparing a Computer to Meet Upgrade Requirements
Deploy service packs.	Chapter 10	Using Group Policy to Deploy Service Packs for Applications
Troubleshoot failed installations.	Chapter 3	Troubleshooting Common Installation Problems
Implementing and Conducting Administration of Resources		
Monitor, manage, and troubleshoot access to files and folders.	Chapter 11	Managing File and Folder Attributes Managing NTFS File and Folder Security Taking Ownership of Files and Folders Optimizing Access to Files and Folders Troubleshooting Common Resource Access and Permission Problems

Exam Objective	Chapter	Section
Configure, manage, and troubleshoot file compression.	Chapter 11	Managing File and Folder Attributes Using the Compress Attribute Troubleshooting Common Resource Access and Permission Problems
Control access to files and folders by using permissions.	Chapter 11	Managing NTFS File and Folder Security Taking Ownership of Files and Folders
Optimize access to files and folders.	Chapter 11	Optimizing Access to Files and Folders
Manage and troubleshoot access to shared folders.	Chapter 11	Managing Shared Folders Troubleshooting Common Resource Access and Permission Problems
Create and remove shared folders.	Chapter 11	Sharing a Folder Modifying a Share Administrative Shares
Control access to shared folders by using permissions.	Chapter 11	Shared Folder Permissions How User and Group Permissions Combine
Manage and troubleshoot Web server resources.	Chapter 18	Managing Web Services Installing IIS Components Configuring a Web Site Using Personal Web Manager Publishing Web Content Creating a Virtual Directory Managing Web Server Security Monitoring Access to Files and Folders in Web Sites Troubleshooting Web Services
Connect to local and network print devices.	Chapter 12	Adding and Connecting to Printers Sharing a Printer Configuring Printer Properties
Manage printers and print jobs.	Chapter 12	Adding and Connecting to Printers Sharing a Printer Configuring Printer Properties Managing Print Jobs
Control access to printers by using permissions.	Chapter 12	Configuring Printer Permissions
Connect to an Internet printer.	Chapter 12	Connecting to Internet Printers
Connect to a local print device.	Chapter 12	Adding and Connecting to Printers Adding Local Plug and Play Printers Adding Other Local Printers
Configure and manage file systems.	Chapter 6	Working with File Systems Creating and Formatting Partitions

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TABLE A-1 (continued)

Exam Objective	Chapter	Section
Convert from one file system to another file system.	Chapter 6	Converting from FAT or FAT32 to NTFS
Configure file systems by using NTFS, FAT32, or FAT.	Chapter 6	Working with File Systems Creating and Formatting Partitions
Implementing, Managing, and Troubleshooting Hardware Devices and Drivers		
Implement, manage, and troubleshoot disk devices.	Chapter 6	Implementing, Configuring, and Managing Disks and Volumes Troubleshooting Disks and Volumes
Install, configure, and manage DVD and CD-ROM devices.	Chapter 5	Add/Remove Hardware Using Device Manager
Monitor and configure disks.	Chapter 6	Implementing, Configuring, and Managing Disks and Volumes
Monitor, configure, and troubleshoot volumes.	Chapter 6	Implementing, Configuring, and Managing Disks and Volumes Troubleshooting Disks and Volumes
Monitor and configure removable media, such as tape devices.	Chapter 14	Monitoring and Configuring Removable Media
Implement, manage, and troubleshoot display devices.	Chapter 5	Display Troubleshooting Desktop Settings and Video Adapters Add/Remove Hardware Using Device Manager Troubleshooting Hardware
Configure multiple-display support.	Chapter 5	Display Configuring Display Settings and Multiple-Display Support
Install, configure, and troubleshoot a video adapter.	Chapter 5	Display Troubleshooting Desktop Settings and Video Adapters Add/Remove Hardware Using Device Manager Troubleshooting Hardware
Implement, manage, and troubleshoot mobile computer hardware.	Chapter 5	Add/Remove Hardware Power Options Using Device Manager Configuring and Managing Card Services Troubleshooting Hardware
Configure Advanced Power Management (APM).	Chapter 5	Configuring Advanced Power Management (APM)

Exam Objective	Chapter	Section
Configure and manage card services.	Chapter 5	Configuring and Managing Card Services
Implement, manage, and troubleshoot input and output (I/O) devices.	Chapter 5	Add/Remove Hardware Using Device Manager Troubleshooting Hardware
Monitor, configure, and troubleshoot I/O devices, such as printers, scanners, multimedia devices, mouse, keyboard, and smart card reader.	Chapter 5 Chapter 12	Add/Remove Hardware Using Device Manager Troubleshooting Hardware Keyboard Mouse Scanners and Cameras Sounds and Multimedia Configuring Printer Properties Troubleshooting Common Printing Problems
Monitor, configure, and troubleshoot multimedia hardware, such as cameras.	Chapter 5	Sounds and Multimedia Scanners and Cameras Add/Remove Hardware Using Device Manager Troubleshooting Hardware
Install, configure, and manage modems.	Chapter 15	Installing and Configuring Modems Installing Modems Configuring Modems
Install, configure, and manage Infrared Data Association (IrDA) devices.	Chapter 5	Add/Remove Hardware Using Device Manager Wireless Link Scanners and Cameras
Install, configure, and manage wireless devices.	Chapter 5	Add/Remove Hardware Using Device Manager Wireless Link Scanners and Cameras
Install, configure, and manage USB devices.	Chapter 5	Add/Remove Hardware Using Device Manager
Update drivers.	Chapter 5	Uninstalling, Disabling, Enabling, and Updating Device Drivers
Monitor and configure multiple processing units.	Chapter 5	Upgrading from a Single Processor to Multiple Processors
Install, configure, and troubleshoot network adapters.	Chapter 5	Add/Remove Hardware Using Device Manager Troubleshooting Hardware

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TABLE A-1 (continued)

Exam Objective	Chapter	Section
Monitoring and Optimizing System Performance and Reliability		
Manage and troubleshoot driver signing.	Chapter 5	Managing Driver Signing
Configure, manage, and troubleshoot the Task Scheduler.	Chapter 5	Scheduled Tasks Folder
Manage and troubleshoot the use and synchronization of offline files.	Chapter 5	Configuring and Troubleshooting Offline Files
Optimize and troubleshoot performance of the Windows 2000 Professional desktop.	Chapter 21	Optimizing and Troubleshooting Performance Optimizing and Troubleshooting Memory Performance Optimizing and Troubleshooting Processor Performance Optimizing and Troubleshooting Disk Performance Optimizing and Troubleshooting Network Performance Optimizing and Troubleshooting Application Performance
Optimize and troubleshoot memory performance.	Chapter 21	Optimizing and Troubleshooting Memory Performance
Optimize and troubleshoot processor utilization.	Chapter 21	Optimizing and Troubleshooting Processor Performance
Optimize and troubleshoot disk performance.	Chapter 21	Optimizing and Troubleshooting Disk Performance
Optimize and troubleshoot network performance.	Chapter 21	Optimizing and Troubleshooting Network Performance
Optimize and troubleshoot application performance.	Chapter 21	Optimizing and Troubleshooting Application Performance
Manage hardware profiles.	Chapter 5	Creating and Managing Hardware Profiles
Recover systems and user data.	Chapter 14	Recovering User Data and System State Data Using Backup to Restore User Data Using Backup to Restore System State Data
Recover systems and user data by using Windows Backup.	Chapter 14	Recovering User Data and System State Data Using Backup to Restore User Data Using Backup to Restore System State Data

Exam Objective	Chapter	Section
Troubleshoot system restoration by using Safe Mode.	Chapter 14	Using Safe Mode to Troubleshoot and Restore a System
Recover systems and user data by using the Recovery Console.	Chapter 14	Using the Recovery Console to Restore a System
Configuring and Troubleshooting the Desktop Environment		
Configure and manage user profiles.	Chapter 9	Managing User Profiles
Configure support for multiple languages or multiple locations.	Chapter 5	Configuring Support for Multiple Languages and Locations
Enable multiple-language support.	Chapter 5	Adding Support for Your Language and Location Configuring Support for Multiple Languages and Locations
Configure multiple-language support for users.	Chapter 5	Adding Support for Your Language and Location Configuring Support for Multiple Languages and Locations
Configure local settings.	Chapter 5	Configuring Local Settings
Configure Windows 2000 Professional for multiple locations.	Chapter 5	Configuring Support for Multiple Languages and Locations
Install applications by using Windows Installer packages.	Chapter 10	Configuring Group Policy Settings to Manage Software Deployment Preparing Software for Deployment Deploying and Maintaining Software by Using Group Policy
Configure and troubleshoot desktop settings.	Chapter 5	Display Troubleshooting Desktop Settings and Video Adapters
Configure and troubleshoot fax support.	Chapter 5	Fax Add/Remove Hardware Device Manager Troubleshooting Hardware
Configure and troubleshoot accessibility services.	Chapter 5	Accessibility Options

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TABLE A-1 (continued)

Exam Objective	Chapter	Section
Implementing, Managing, and Troubleshooting Network Protocols and Services		
Configure and troubleshoot the TCP/IP protocol.	Chapter 16	Configuring TCP/IP Troubleshooting TCP/IP Configuration Problems
Connect to computers by using dial-up networking.	Chapter 15	Creating a Dial-up Connection to a Remote Access Server Creating a Connection to Another Computer Creating a VPN Connection
Connect to computers by using a virtual private network (VPN) connection.	Chapter 15	Creating a VPN Connection
Create a dial-up connection to connect to a remote access server.	Chapter 15	Creating a Dial-up Connection to a Remote Access Server
Connect to the Internet by using dial-up networking.	Chapter 15	Creating a Dial-up Connection to the Internet
Configure and troubleshoot Internet Connection Sharing.	Chapter 15	Configuring Internet Connection Sharing Enabling Internet Connection Sharing Troubleshooting Internet Connection Sharing
Connect to shared resources on a Microsoft network.	Chapter 11	Connecting to Shared Folders
Implementing, Monitoring, and Troubleshooting Security		
Encrypt data on a hard disk by using Encrypting File System (EFS).	Chapter 11	Managing File and Folder Attributes Using the Encrypt Attribute
Implement, configure, manage, and troubleshoot local Group Policy.	Chapter 10	Managing Group Policy Managing Local Group Policy Troubleshooting Group Policy
Implement, configure, manage, and troubleshoot local user accounts.	Chapter 9	Creating and Managing User Accounts Creating Local User Accounts Configuring Local User Accounts Troubleshooting User Accounts, User Rights, Account Policies, and Authentication

Exam Objective	Chapter	Section
Implement, configure, manage, and troubleshoot auditing.	Chapter 13	Managing Auditing Monitoring and Analyzing Security Events Troubleshooting Auditing and Security
Implement, configure, manage, and troubleshoot account settings.	Chapter 9	Creating User Accounts Configuring and Managing User Account Properties Troubleshooting User Accounts, User Rights, Account Policies, and Authentication
Implement, configure, manage, and troubleshoot account policy.	Chapter 9	Managing Account Policies
Create and manage local users and groups.	Chapter 9	Creating and Managing User Accounts Creating Local User Accounts Configuring Local User Accounts Creating and Managing Group Accounts Groups on the Local Computer
Implement, configure, manage, and troubleshoot user rights.	Chapter 9	Managing User Rights Troubleshooting User Accounts, User Rights, Account Policies, and Authentication
Implement, configure, manage, and troubleshoot local user authentication.	Chapter 9	Understanding User Authentication Troubleshooting User Accounts, User Rights, Account Policies, and Authentication
Configure and troubleshoot local user accounts.	Chapter 9	Configuring and Managing User Account Properties Configuring Local User Accounts Troubleshooting User Accounts, User Rights, Account Policies, and Authentication
Configure and troubleshoot domain user accounts.	Chapter 9	Configuring and Managing User Account Properties Configuring Domain User Accounts Troubleshooting User Accounts, User Rights, Account Policies, and Authentication
Implement, configure, manage, and troubleshoot a security configuration.	Chapter 13	Using Security Templates Using Security Configuration and Analysis Troubleshooting Auditing and Security

TABLE A-2 Exam 70-215 – Installing, Configuring, and Administering Microsoft Windows 2000 Server

Exam Objective	Chapter	Section
Installing Windows 2000 Server		
Perform an attended installation of Windows 2000 Server.	Chapter 3	Hardware Requirements for Installation Getting Ready to Install Windows 2000 The Installation Process
Perform an unattended installation of Windows 2000 Server.	Chapter 19	Using Setup Manager
Create unattended answer files by using Setup Manager to automate the installation of Windows 2000 Server.	Chapter 19	Creating an Answer File by Using Setup Manager
Create and configure automated methods for installation of Windows 2000.	Chapter 19	Entire Chapter
Upgrade a server from Microsoft Windows NT 4.0.	Chapter 4	Entire Chapter
Deploy service packs.	Chapter 10	Using Group Policy to Deploy Service Packs for Applications
Troubleshoot failed installations.	Chapter 3	Troubleshooting Common Installation Problems
Installing, Configuring, and Troubleshooting Access to Resources		
Install and configure network services for interoperability.	Chapter 15	Installing and Configuring Network Clients and Services for Interoperability
Monitor, configure, troubleshoot, and control access to printers.	Chapter 12	Adding and Connecting to Printers Sharing a Printer Configuring Printer Properties Configuring Print Server Properties Managing Print Jobs Troubleshooting Common Printing Problems
Monitor, configure, troubleshoot, and control access to files, folders, and shared folders.	Chapter 11 Chapter 21	Managing File and Folder Attributes Managing Shared Folders Managing NTFS File and Folder Security Taking Ownership of Files and Folders Optimizing Access to Files and Folders Troubleshooting Common Resource Access and Permission Problems Monitoring Shared Folders

Exam Objective	Chapter	Section
Configure, manage, and troubleshoot a stand-alone Distributed file system (Dfs)	Chapter 11	Configuring and Managing the Distributed File System (Dfs) Troubleshooting Common Resource Access and Permission Problems
Configure, manage, and troubleshoot a domain-based Distributed file system (Dfs).	Chapter 11	Configuring and Managing the Distributed File System (Dfs) Troubleshooting Common Resource Access and Permission Problems
Monitor, configure, troubleshoot, and control local security on files and folders.	Chapter 11	Managing File and Folder Attributes Managing NTFS File and Folder Security Taking Ownership of Files and Folders Troubleshooting Common Resource Access and Permission Problems
Monitor, configure, troubleshoot, and control access to files and folders in a shared folder.	Chapter 11 Chapter 21	Managing Shared Folders Troubleshooting Common Resource Access and Permission Problems Monitoring Shared Folders
Monitor, configure, troubleshoot, and control access to files and folders via Web services.	Chapter 18	Managing Web Services Publishing Web Content Creating a Virtual Directory Managing Web Server Security Monitoring Access to Files and Folders in Web Sites Troubleshooting Web Services
Monitor, configure, troubleshoot, and control access to Web sites.	Chapter 18	Configuring a Web Site Publishing Web Content Creating a Virtual Directory Creating a Virtual Server Managing Web Server Security Monitoring Access to Files and Folders in Web Sites Troubleshooting Web Services
Configuring and Troubleshooting Hardware Devices and Drivers		
Configure hardware devices.	Chapter 5	Add/Remove Hardware Using Device Manager Display Fax Game Controllers Keyboard Mouse Power Options Scanners and Cameras Sounds and Multimedia Wireless Link

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TABLE A-2 (continued)

Exam Objective	Chapter	Section
Configure driver signing options.	Chapter 5	Managing Driver Signing
Update device drivers. Updating Device Drivers	Chapter 5	Uninstalling, Disabling, Enabling, and
Troubleshoot problems with hardware.	Chapter 5	Troubleshooting Hardware Add/Remove Hardware Using Device Manager
Managing, Monitoring, and Optimizing System Performance, Reliability, and Availability		
Monitor and optimize usage of system resources.	Chapter 21	Entire Chapter
Manage processes.	Chapter 21	Using Windows Task Manager to Manage Processes
Set priorities and start and stop processes.	Chapter 21	Optimizing and Troubleshooting Application Performance Starting Applications at Various Priorities Using Windows Task Manager to Manage Processes
Optimize disk performance.	Chapter 21	Optimizing and Troubleshooting Disk Performance
Manage and optimize availability of system state data and user data.	Chapter 14	Managing and Optimizing the Availability of User Data and System State Data Backing Up User Data and System State Data
Recover systems and user data.	Chapter 14	Recovering User Data and System State Data Using Backup to Restore User Data Using Backup to Restore System State Data
Recover systems and user data by using Windows Backup.	Chapter 14	Recovering User Data and System State Data Using Backup to Restore User Data Using Backup to Restore System State Data
Troubleshoot system restoration by using Safe Mode.	Chapter 14	Using Safe Mode to Troubleshoot and Restore a System
Recover systems and user data by using the Recovery Console.	Chapter 14	Using the Recovery Console to Restore a System

Exam Objective	Chapter	Section
Managing, Configuring, and Troubleshooting Storage Use		
Configure and manage user profiles.	Chapter 9	Managing User Profiles
Monitor, configure, and troubleshoot disks and volumes.	Chapter 6	Implementing, Configuring, and Managing Disks and Volumes Troubleshooting Disks and Volumes
Configure data compression.	Chapter 11	Managing File and Folder Attributes Using the Compress Attribute
Monitor and configure disk quotas.	Chapter 11	Configuring and Monitoring Disk Quotas
Recover from disk failures.	Chapter 6	Recovering from Disk Failure
Configuring and Troubleshooting Windows 2000 Network Connections		
Install, configure, and troubleshoot shared access.	Chapter 15	Configuring Internet Connection Sharing Enabling Internet Connection Sharing Troubleshooting Internet Connection Sharing
Install, configure, and troubleshoot a virtual private network (VPN).	Chapter 17	Enabling and Configuring Remote Access Adding and Configuring Inbound Connection Ports Adding and Configuring VPN Ports Troubleshooting Remote Access
Install, configure, and troubleshoot network protocols.	Chapter 15 Chapter 16	Installing, Configuring, and Troubleshooting Protocols Installing and Configuring Network Protocols Troubleshooting Network Protocols Configuring TCP/IP Troubleshooting TCP/IP Configuration Problems
Install and configure network services.	Chapter 15 Chapter 16	Installing and Configuring Network Clients and Services for Interoperability Installing Network Services Configuring Bindings and Provider Order Configuring Services Installing and Configuring a DHCP Server Using a WINS Server to Resolve NetBIOS Names Installing WINS
Configure, monitor, and troubleshoot remote access.	Chapter 17	Entire Chapter

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TABLE A-2 *(continued)*

Exam Objective	Chapter	Section
Configure inbound connections.	Chapter 17	Adding and Configuring Inbound Connection Ports
Create a remote access policy.	Chapter 17	Using Remote Access Policies to Control Access
Configure a remote access profile.	Chapter 17	Configuring a Profile for a Remote Access Policy
Install, configure, monitor, and troubleshoot Terminal Services.	Chapter 20	Entire Chapter
Remotely administer servers by using Terminal Services.	Chapter 20	Establishing a Terminal Services Session Managing Terminal Services Sessions Using Remote Control
Configure Terminal Services for application sharing.	Chapter 20	Installing and Configuring Terminal Services
Configure applications for use with Terminal Services.	Chapter 20	Installing Applications for Use with Terminal Services
Configure the properties of a connection.	Chapter 15	Configuring Connection Properties
Install, configure, and troubleshoot network adapters and drivers.	Chapter 5	Add/Remove Hardware Using Device Manager Troubleshooting Hardware
Implementing, Monitoring, and Troubleshooting Security		
Encrypt data on a hard disk by using Encrypting File System (EFS).	Chapter 11	Managing File and Folder Attributes Using the Encrypt Attribute
Implement, configure, manage, and troubleshoot policies in a Windows 2000 environment.	Chapter 10	Entire Chapter
Implement, configure, manage, and troubleshoot Local Policy in a Windows 2000 environment.	Chapter 10	Managing Group Policy Managing Local Group Policy Troubleshooting Group Policy
Implement, configure, manage, and troubleshoot System Policy in a Windows 2000 environment.	Chapter 10	Managing System Policy

Exam Objective	Chapter	Section
Implement, configure, manage, and troubleshoot auditing.	Chapter 13	Managing Auditing Monitoring and Analyzing Security Events Troubleshooting Auditing and Security
Implement, configure, manage, and troubleshoot local accounts.	Chapter 9	Creating and Managing User Accounts Creating Local User Accounts Configuring Local User Accounts Troubleshooting User Accounts, User Rights, Account Policies, and Authentication
Implement, configure, manage, and troubleshoot Account Policy.	Chapter 9	Managing Account Policies Troubleshooting User Accounts, User Rights, Account Policies, and Authentication
Implement, configure, manage, and troubleshoot security by using the Security Configuration Tool Set.	Chapter 13	Using Security Templates Using Security Configuration and Analysis Troubleshooting Auditing and Security

TABLE A-3 Exam 70-216 – Implementing and Administering a Microsoft Windows 2000 Network Infrastructure

Exam Objective	Chapter	Section
Installing, Configuring, Managing, Monitoring, and Troubleshooting DNS in a Windows 2000 Network Infrastructure		
Install, configure, and troubleshoot DNS.	Chapter 7	Installing, Configuring, Managing, and Troubleshooting DNS
Install the DNS Server service.	Chapter 7	Installing the DNS Server Service
Configure a root name server.	Chapter 7	Configuring a Root Server
Configure zones.	Chapter 7	Creating and Configuring Zones
Configure a caching-only server.	Chapter 7	Configuring a Caching-Only Server
Configure a DNS client.	Chapter 7	Configuring a DNS Server as its Own Client Configuring Clients to Use a DNS Server
Configure zones for dynamic updates.	Chapter 7	Configuring Zones for Dynamic Updates

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TABLE A-3 (continued)

Exam Objective	Chapter	Section
Test the DNS Server service.	Chapter 7	Testing, Monitoring, and Troubleshooting DNS
Implement a delegated zone for DNS.	Chapter 7	Creating DNS Subdomains and Implementing Zone Delegation
Manually create DNS resource records.	Chapter 7	Manually Creating DNS Resource Records
Manage and monitor DNS.	Chapter 7	Installing, Configuring, Managing, and Troubleshooting DNS Testing, Monitoring, and Troubleshooting DNS
Installing, Configuring, Managing, Monitoring, and Troubleshooting DHCP in a Windows 2000 Network Infrastructure		
Install, configure, and troubleshoot DHCP.	Chapter 16	Installing and Configuring a DHCP Server
Install the DHCP Server service.	Chapter 16	Installing the DHCP Service
Create and manage DHCP scopes, superscopes, and multicast scopes.	Chapter 16	DHCP Scopes, Superscopes, and Multicast Scopes
Configure DHCP for DNS integration.	Chapter 16	Configuring DHCP for DNS Integration
Authorize a DHCP server in Active Directory.	Chapter 16	Authorizing a DHCP Server in Active Directory
Manage and monitor DHCP.	Chapter 16	Monitoring a DHCP Server
Configuring, Managing, Monitoring, and Troubleshooting Remote Access in a Windows 2000 Network Infrastructure		
Configure and troubleshoot remote access.	Chapter 17	Entire Chapter
Configure inbound connections.	Chapter 17	Adding and Configuring Inbound Connection Ports
Create a remote access policy.	Chapter 17	Using Remote Access Policies to Control Access
Configure a remote access profile.	Chapter 17	Configuring a Profile for a Remote Access Policy
Configure a virtual private network (VPN).	Chapter 17	Enabling and Configuring Remote Access Adding and Configuring Inbound Connection Ports Adding and Configuring VPN Ports

Exam Objective	Chapter	Section
Configure multilink connections.	Chapter 17	Configuring PPP Configuring Multilink Connection Options
Configure Routing and Remote Access for DHCP Integration.	Chapter 17	Configuring IP and DHCP Integration
Manage and monitor remote access.	Chapter 17	Enabling and Configuring Remote Access Using Remote Access Policies to Control Access Monitoring Remote Access
Configure remote access security.	Chapter 17	Configuring Security Using Remote Access Policies to Control Access
Configure authentication protocols.	Chapter 17	Configuring Security Configuring Authentication Methods
Configure encryption protocols.	Chapter 17	Configuring Security Configuring Encryption
Create a remote access policy.	Chapter 17	Using Remote Access Policies to Control Access
Installing, Configuring, Managing, Monitoring, and Troubleshooting Network Protocols in a Windows 2000 Network Infrastructure		
Install, configure, and troubleshoot network protocols.	Chapter 15	Installing, Configuring, and Troubleshooting Protocols
Install and configure TCP/IP.	Chapter 16	Configuring TCP/IP
Install the NWLink protocol.	Chapter 15	Installing, Configuring, and Troubleshooting Protocols Installing and Configuring Network Protocols
Configure network bindings,	Chapter 15	Configuring Bindings and Provider Order
Configure TCP/IP packet filters.	Chapter 16	Configuring TCP/IP Packet Filters
Configure and troubleshoot network protocol security.	Chapter 16	Configuring TCP/IP Packet Filters Configuring and Troubleshooting IPsec
Manage and monitor network traffic.	Chapter 21	Using System Monitor Using Network Monitor
Configure and troubleshoot IPsec.	Chapter 16	Configuring and Troubleshooting IPsec

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TABLE A-3 (continued)

Exam Objective	Chapter	Section
Enable IPsec.	Chapter 16	Enabling IPsec
Configure IPsec for transport mode.	Chapter 16	Configuring and Troubleshooting IPsec Enabling IPsec
Configure IPsec for tunnel mode.	Chapter 16	Configuring and Troubleshooting IPsec Creating and Customizing IPsec Policies
Customize IPsec policies and rules.	Chapter 16	Creating and Customizing IPsec Policies
Manage and monitor IPsec.	Chapter 16	Configuring and Troubleshooting IPsec Monitoring IPsec
Installing, Configuring, Managing, Monitoring, and Troubleshooting WINS in a Windows 2000 Network Infrastructure		
Install, configure, and troubleshoot WINS.	Chapter 16	Using a WINS Server to Resolve NetBIOS Names Installing WINS Planning and Configuring WINS Replication Monitoring a WINS Server Troubleshooting WINS
Configure WINS replication.	Chapter 16	Planning and Configuring WINS Replication
Configure NetBIOS name resolution.	Chapter 16	NetBIOS Name Resolution Using Lmhosts Files to Resolve NetBIOS Names Using a WINS Server to Resolve NetBIOS Names Configuring NetBIOS Name Resolution Options on Client Computers
Manage and monitor WINS.	Chapter 16	Using a WINS Server to Resolve NetBIOS Names Installing WINS Monitoring a WINS Server
Installing, Configuring, Managing, Monitoring, and Troubleshooting IP Routing in a Windows 2000 Network Infrastructure		
Install, configure, and troubleshoot IP routing protocols.	Chapter 16	Routing TCP/IP
Update a Windows 2000-based routing table by means of static routes.	Chapter 16	Static Routing Enabling Routing Updating a Routing Table by Adding Static Routes

Exam Objective	Chapter	Section
Implement Demand-Dial Routing.	Chapter 16	Managing Ports, Interfaces, and Demand-Dial Routing
Manage and monitor IP routing.	Chapter 16	Routing TCP/IP Monitoring TCP/IP Routing
Manage and monitor border routing.	Chapter 16	Installing and Configuring Open Shortest Path First (OSPF) Configuring Border Routing
Manage and monitor internal routing.	Chapter 16	Installing and Configuring Open Shortest Path First (OSPF) Configuring OSPF to Use a Routing Interface Monitoring TCP/IP Routing
Manage and monitor IP routing protocols.	Chapter 16	Routing TCP/IP Monitoring TCP/IP Routing
Installing, Configuring, and Troubleshooting Network Address Translation (NAT)		
Install Internet Connection Sharing.	Chapter 15	Configuring Internet Connection Sharing Enabling Internet Connection Sharing Troubleshooting Internet Connection Sharing
Install NAT.	Chapter 16	Installing and Configuring Network Address Translation (NAT)
Configure NAT properties.	Chapter 16	Configuring NAT Properties
Configure NAT interfaces.	Chapter 16	Configuring NAT Interfaces
Installing, Configuring, Managing, Monitoring, and Troubleshooting Certificate Services		
Install and configure Certificate Authority (CA).	Chapter 18	Managing Certificate Services Installing and Configuring Certificate Services
Create certificates.	Chapter 18	Creating and Issuing Certificates
Issue certificates.	Chapter 18	Creating and Issuing Certificates
Revoke certificates.	Chapter 18	Revoking Certificates
Remove the Encrypting File System (EFS) recovery keys.	Chapter 18	Managing Encrypting File System (EFS) Recovery Agents

TABLE A-4 Exam 70-217 – Implementing and Administering a Microsoft Windows 2000 Directory Services Infrastructure

Exam Objective	Chapter	Section
Installing, Configuring, and Troubleshooting Active Directory		
Install, configure, and troubleshoot the components of Active Directory.	Chapter 7 Chapter 22	Installing Active Directory Verifying and Troubleshooting an Active Directory Installation Managing Components that Affect Replication Troubleshooting Active Directory Components, Replication, and Performance
Install Active Directory.	Chapter 7	Installing Active Directory
Create sites.	Chapter 22	Creating Sites
Create subnets.	Chapter 22	Creating Subnets
Create site links.	Chapter 22	Creating Site Links
Create site link bridges.	Chapter 22	Creating Site Link Bridges
Create connection objects.	Chapter 22	Managing Intrasite Replication
Create global catalog servers.	Chapter 22	Creating Global Catalog Servers
Move server objects between sites.	Chapter 22	Moving Server Objects Between Sites
Transfer Operations Master roles.	Chapter 22	Managing and Maintaining Operations Master Roles Transferring Operations Master Roles Seizing Operations Master Roles
Verify Active Directory installation.	Chapter 7	Verifying and Troubleshooting an Active Directory Installation
Implement an organizational unit (OU) structure.	Chapter 8	Implementing an Organizational Unit (OU) Structure
Back up and restore Active Directory	Chapter 14	Using Backup to Perform a Backup Using Backup to Restore System State Data Restoring System State Data on Domain Controllers
Perform an authoritative restore of Active Directory.	Chapter 14	Using Backup to Restore System State Data Restoring System State Data on Domain Controllers

Exam Objective	Chapter	Section
Recover from a system failure.	Chapter 14	Recovering from a System Failure Using Safe Mode to Troubleshoot and Restore a System Using the Recovery Console to Restore a System Using the Emergency Repair Disk to Restore a System
Installing, Configuring, Managing, Monitoring, and Troubleshooting DNS for Active Directory		
Install, configure, and troubleshoot DNS for Active Directory.	Chapter 7	Installing, Configuring, Managing, and Troubleshooting DNS Installing DNS for Active Directory
Integrate an Active Directory DNS with a non-Active Directory DNS.	Chapter 7	Integrating an Active Directory DNS with a Non-Active Directory DNS
Configure zones for dynamic updates.	Chapter 7	Configuring Zones for Dynamic Updates.
Manage, monitor, and troubleshoot DNS.	Chapter 7	Installing, Configuring, Managing, and Troubleshooting DNS Testing, Monitoring, and Troubleshooting DNS
Manage replication of DNS data.	Chapter 7	Managing Replication of DNS
Installing, Configuring, Managing, Monitoring, Optimizing, and Troubleshooting Change and Configuration Management		
Implement and troubleshoot Group Policy.	Chapter 10	Managing Group Policy
Create a Group Policy object (GPO).	Chapter 10	Creating Group Policy Objects in Active Directory
Link an existing GPO.	Chapter 10	Linking an Existing Group Policy Object
Delegate administrative control of Group Policy.	Chapter 10	Configuring Security for Group Policy Objects
Modify Group Policy inheritance.	Chapter 10	Modifying Group Policy Inheritance
Filter Group Policy settings by associating security groups to GPOs.Objects	Chapter 10	Configuring Security for Group Policy
Modify Group Policy.	Chapter 10	Configuring and Modifying Group Policy Objects Modifying the Order in Which Group Policy is Applied

Continued ►

TABLE A-4 (continued)

Exam Objective	Chapter	Section
Manage and troubleshoot user environments by using Group Policy.	Chapter 10	Configuring Group Policy Settings to Manage User Environments
Control user environments by using Administrative Templates.	Chapter 10	Configuring Group Policy Settings to Manage User Environments
Assign script policies to users and computers.	Chapter 10	Configuring Group Policy Settings to Manage Scripts
Manage and troubleshoot software by using Group Policy.	Chapter 10	Configuring Group Policy Settings to Manage Software Deployment
Deploy software by using Group Policy.	Chapter 10	Preparing Software for Deployment Deploying and Maintaining Software by Using Group Policy Troubleshooting Software Deployment
Maintain software by using Group Policy.	Chapter 10	Deploying and Maintaining Software by Using Group Policy Using Group Policy to Deploy Service Packs for Applications
Configure deployment options.	Chapter 10	Deploying and Maintaining Software by Using Group Policy
Troubleshoot common problems that occur during software deployment.	Chapter 10	Troubleshooting Software Deployment
Manage network configuration by using Group Policy.	Chapter 10	Configuring Group Policy Settings to Manage User Environments
Deploy Windows 2000 by using Remote Installation Services (RIS).	Chapter 19	Using Remote Installation Services (RIS)
Install an image on a RIS client computer.	Chapter 19	Installing a RIS image on a Client Computer
Create a RIS boot disk.	Chapter 19	Creating a RIS Client Boot Disk
Configure remote installation options.	Chapter 19	Configuring RIS Server Options
Troubleshoot RIS problems.	Chapter 19	Troubleshooting RIS Problems
Manage images for performing remote installations.	Chapter 19	Managing RIS Images Working with CD-Based Images Creating and Managing RIPrep Images

Exam Objective	Chapter	Section
Configure RIS security.	Chapter 19	Configuring RIS Security
Authorize a RIS server.	Chapter 19	Authorizing a RIS Server in Active Directory
Grant computer account creation rights.	Chapter 19	Granting Permission to Create Computer Objects
Prestage RIS client computers for added security and load balancing	Chapter 19	Prestaging RIS Clients
Managing, Monitoring, and Optimizing the Components of Active Directory		
Manage Active Directory objects.	Chapter 8	Managing Active Directory Objects
Move Active Directory objects.	Chapter 8	Moving Objects in Active Directory
Publish resources in Active Directory.	Chapter 8 Chapter 12	Publishing Resources in Active Directory Sharing a Printer
Locate objects in Active Directory.	Chapter 8	Locating Objects in Active Directory
Create and manage accounts manually or by scripting.	Chapter 9	Using NET USER to Create User Accounts
Control access to Active Directory objects.	Chapter 8	Controlling Access to Active Directory Objects
Delegate administrative control of objects in Active Directory.	Chapter 8	Delegating Administration of Active Directory Objects
Manage Active Directory performance.	Chapter 22	Managing Active Directory Performance
Monitor, maintain, and troubleshoot domain controller performance.	Chapter 22	Monitoring Performance of Domain Controllers and Other Active Directory Components Troubleshooting Active Directory Components, Replication, and Performance
Monitor, maintain, and troubleshoot Active Directory components.	Chapter 22	Monitoring Performance of Domain Controllers and Other Active Directory Components Troubleshooting Active Directory Components, Replication, and Performance

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TABLE A-4 (continued)

Exam Objective	Chapter	Section
Manage and troubleshoot Active Directory replication.	Chapter 22	Managing Components that Affect Replication Managing Active Directory Replication Troubleshooting Active Directory Components, Replication, and Performance
Manage intersite replication.	Chapter 22	Intersite Replication Managing Components that Affect Replication Managing Active Directory Replication Managing Intersite Replication
Manage intrasite replication.	Chapter 22	Intrasite Replication Managing Active Directory Replication Managing Intrasite Replication
Configuring, Managing, Monitoring, and Troubleshooting Active Directory Security Solutions		
Configure and troubleshoot security in a Directory Services infrastructure.	Chapter 13 Chapter 10	Using Security Templates Using Security Configuration and Analysis Troubleshooting Auditing and Security Configuring Group Policy Settings to Manage Security
Apply security policies by using Group Policy.	Chapter 10	Configuring Group Policy Settings to Manage Security
Create, analyze, and modify security configurations by using Security Configuration and Analysis and Security Templates.	Chapter 13	Using Security Templates Using Security Configuration and Analysis
Implement an audit policy.	Chapter 13	Managing Auditing
Monitor and analyze security events.	Chapter 13	Monitoring and Analyzing Security Events