



Software Learning Centers
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Windows 2000 for Windows NT Administrators

Course specifications

Course number: 077 524
Software version number: 5.0
Course length: 5 day(s)

Maps to: Microsoft
Course: 1560B
Exam #: 70-240

Course description

Overview: Windows NT administrators will learn how to support Windows 2000 networks.

Prerequisites: *Windows NT 4.0: System Architecture and Network Support* and *Implementing and Supporting TCP/IP on Windows NT 4.0* or equivalent knowledge.

Delivery method: Instructor-led, group-paced, classroom-delivery learning model with structured hands-on activities and independent lab activities.

Benefits: Students will learn how to migrate Windows NT networks to Windows 2000 networks and how to use new tools and services to manage their Windows 2000 networks.

Target student: Students enrolling in this course should be experienced Windows NT network administrators (or have equivalent knowledge) who can manage Windows NT systems, including servers and clients; can install and support TCP/IP on their networks; and can install and manage other network services, including DNS, DHCP, WINS, and RAS.

What's next: Windows 2000 for Windows NT Administrators is the first course in this series for experienced administrators. (Students who are new administrators should start with Windows 2000: Network and Operating System Basics.) After completing Windows 2000 for Windows NT Administrators, students who want to learn advanced features can take Windows 2000: Active Directory Design, Windows 2000: Network Infrastructure Design, or Windows 2000: Network Security Design.

Performance-based objectives

Lesson objectives help students become comfortable with the course, and also provide a means to evaluate learning. Upon successful completion of this course, students will be able to:

- Describe the new features and understand the hardware requirements for Windows 2000, and identify the upgrade paths from previous versions of Windows NT, Windows 3x, and Windows 9x.
- Describe basic components of the Active Directory, and upgrade a Windows NT network to Windows 2000.
- Create and modify Active Directory objects, including organizational units, groups, and printers, and search for objects in the Active Directory.
- Control access to and delegate authority over Active Directory objects.
- Understand Active Directory replication, and implement Active Directory sites.
- Demote and promote Active Directory domain controllers, and install and configure DNS.
- Create and use Group Policies to manage users' network and desktop settings.
- Create and use Group Policies to assign and publish applications to users' desktops and to manage deployed applications.
- Install the Active Directory client on Windows 9x network clients, and upgrade Windows 9x clients to Windows 2000 Professional.
- Install and configure DHCP and WINS and understand the new features of these services in Windows 2000.
- Install and configure Remote Access, and describe new Remote Access authentication and encryption methods.
- Manage hard disks by defragmenting, using NTFS permissions, encrypting files, setting disk quotas, and using the Distributed File System (Dfs).

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- Manage partitions on basic disks, create dynamic volumes on hard disks, manage RAID-5 volumes on dynamic disks.
- Use the new Backup utility, perform authoritative and non-authoritative restores of lost Active Directory data, and use the new Recovery Console.
- Install and configure Terminal Services on a domain controller, and install and use the Terminal Services client.

Course content

Lesson 1: Overview of Windows 2000

- New Features Review
- Windows 2000 in your Network

Lesson 2: Migrating from Windows NT to Windows 2000

- Components of the Active Directory
- Migration Strategies
- The Upgrade Process

Lesson 3: Managing Active Directory Objects

- Managing Active Directory Objects
- Working with Group Objects
- Managing File and Printer Resources
- Searching for Objects in the Active Directory

Lesson 4: Active Directory Security

- Controlling Access to Objects
- Delegating Authority Over Active Directory Objects

Lesson 5: Managing Active Directory Sites

- Active Directory Replication
- Implementing Sites

Lesson 6: Modifying a Windows 2000 Environment

- Removing the Active Directory Service
- Installing and Configuring DNS

Lesson 7: Using Group Policies to Manage Client Work Environments

- Managing Security Settings with Group Policies
- Managing User Interface Settings
- Managing Group Policies
- Assigning Scripts and Redirecting Folders

Lesson 8: Using Group Policies to Deploy Applications

- Assigning and Publishing Applications
- Managing Deployed Applications

Lesson 9: Managing Windows 2000 Client Installations

- The Active Directory Client
- Upgrading to Windows 2000 Professional
- Automating Installations

Lesson 10: New Features of DHCP and WINS

- New Features in the DHCP Service
- New Features in the WINS Service

Lesson 11: New Features in Remote Access

- Installing and Configuring Remote Access
- Connecting to a Remote Access Server

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- New Remote Access Authentication and Encryption Methods
- Using Remote Access Policies and Profiles

Lesson 12: Disk and File Management

- Defragmenting
- Changes in the NTFS Permission Structure
- Managing Encryption
- Setting and Managing Disk Quotas
- Using the Distributed File System (Dfs)

Windows 2000 for Windows NT Administrators

Lesson 13: Managing Basic and Dynamic Disks

- Managing Partitions on Basic Disks
- Dynamic Disks
- Managing RAID Volumes

Lesson 14: New Disaster Protection Features

- Using Advanced Boot Options
- Using the New Backup Utility
- Additional Backup Features
- Using the Recovery Console

Lesson 15: Installing and Managing Terminal Services

- Installing Terminal Services
- Terminal Services Clients
- Installing Applications for Multiple Users
- Modifying and Uninstalling Terminal Services

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