

# Windows Server 2003 Managing a Network Environment



Expert Aaron Spurlock

## Windows Server 2003 Managing a Network Environment

**6 Sessions** –  
18 Hours of Interactive Training

The Windows Server 2003 Managing a Network Environment course from LearnKey prepares you with the knowledge and skills needed to install, configure, and administer Microsoft Windows Server 2003. Expert instructor Aaron Spurlock shows you techniques for monitoring and optimizing physical and logical devices. He will guide you through managing users, computers and groups, configuring access to resources and disaster recovery contingency planning. At the conclusion of the course, you will understand how to manage and maintain a Windows Server 2003 environment and be prepared to pass MCP exam 70-290.

### Benefits

- LearnKey certification courses meet or exceed MCP (Microsoft Certified Professional) exam objectives.
- You'll gain technical mastery of network environments.
- Your increased IT ability will maximize earning potential.

### Also Available:

- Study Guide
- Test Prep
- eSupport

### About The Author

**Aaron Spurlock** is an MCSE+I, MCT, CNE and CNI. He has consulted and trained on networks and computing for the past 15 years with Lucent Technologies, Mastering Computers, Scientific-Atlanta and the Florida Marlins, among others. He currently owns Technovation Design in Ogden, Utah, specializing in Windows 2000 and NetWare 5 consulting as well as home and corporate automation technologies.

### Session 1

- Section A: Introduction
- Course Overview
  - Windows 2003 Family
  - Windows 2003 Editions
  - Standard & Enterprise
  - Datacenter & Web

- Section B: Installation
- Prerequisite Knowledge
  - Hardware Requirements
  - Clean Installations
  - Upgrade Installations
  - Upgrading NT 4.0 Domains
  - NT 4.0 Upgrade Issues
  - NT 4.0 Upgrade Order
  - Upgrading to Active Directory

- Section C: Upgrading Windows 2000
- Active Directory
  - Adprep/forestprep
  - Adprep/domainprep
  - Set Up Server 2003
  - Windows Setup
  - Verify Upgrade
  - Functional Levels
  - Domain/Forest Levels

- Section D: Hardware Support
- Server Class Hardware
  - Standard/Wireless
  - USB Devices
  - View Devices
  - Optical Drives
  - Hardware Installation
  - Driver Signing
  - Unsigned Drivers

- Section E: Troubleshoot Hardware
- Hardware Problems
  - Add Hardware Wizard
  - Update Drivers
  - Audio
  - HAL/Computer Driver
  - Other Tools

### Session 2

- Section A: Server 2003
- Hard Drives
  - Basic Disks
  - Dynamic Disks
  - More on Basic Disks
  - Basic to Dynamic
  - Dynamic Conversion

- Section B: Basic Dynamic Volumes
- Volume Types
  - Spanned vs. Striped
  - Disk Management
  - Simple Volume
  - Spanned Volume
  - Striped Volume

- Section C: Fault Tolerant Volumes
- Mirrored Volume
  - RAID-5 Volume
  - Configure Mirror
  - Configure RAID-5

- Section D: Managing Volumes
- Disk Management Console
  - Mount into Directory
  - Storage Commands
  - DiskPart Utility
  - Defrag Utility
  - Schedule Defrag

- Section E: File Systems
- FAT/FAT32
  - NTFS
  - NTFS-Based Features
  - Format NTFS
  - Format FAT32
  - File Permissions

- Section F: Computer Accounts
- Access Server Resources
  - Join Domains
  - Create Accounts
  - Log onto Domain
  - Computer Management
  - Computer Account Issues
  - DNS Settings
  - Reset Account

### Session 3

- Section A: User Accounts
- Basic Building Block
  - Authentication
  - Create Users
  - Local User Account
  - Active Directory Users
  - User Properties
  - Verify Resource Access

- Section B: Advanced User Accounts
- Create Users Quickly
  - Create Template
  - Copy Template
  - net User Command
  - dsadd User Command

- Section C: User Account Properties
- Properties
  - Account Tab
  - Profile Tab
  - Account Policies
  - Password Policy
  - Account Lockout Policy

- Section D: User Profiles
- Roaming Profile
  - Mandatory Profile
  - Add Roaming Profile
  - Save Profile
  - Add Mandatory Profile

- Section E: Groups
- Group Categories
  - Group Scope
  - Windows 2000 Mixed Mode
  - Domain Local Group
  - Global Group
  - Universal Group
  - Domain Groups
  - Forest Groups

- Section F: Managing Groups
- Control Access
  - Add Users

- Create Group
- Change Group Scope
- Move Users or Groups
- AD Automation

# Windows Server 2003 Managing a Network Environment *continued*

## Session 4

### Section A: NTFS Permissions

- Local File Access
- Permission Inheritance
- Grant Permissions
- Advanced Permissions
- Modify Inheritance
- Effective Permissions

### Section B: Share Permissions

- Create Share
- Real World Permissions
- Modify Permissions
- Troubleshooting

### Section C: NTFS Features

- Ownership
- View Ownership
- Take Ownership
- Compression
- Quotas
- Apply Compression
- Set Quota
- Test Quota Entries

### Section D: Printers

- Permissions
- Print Devices
- Sharing
- Setting Up
- Install on Server
- Share Permissions
- Install on Client
- Manage Printers
- Print Queue
- Print Server Properties

### Section E: Windows Licensing

- Site Licensing
- Licensing Tool
- Verify Licensing
- Licensing Server
- Licensing Modes

### Section F: Software Update Services

- Install SUS
- Administrative Interface
- Service Packs

## Session 5

### Section A: Remote Administration

- Remote Tools
- Install Help
- Add Computer Management
- Remote Assistance
- Using Remote Assistance

### Section B: Remote Desktop

- Implementing Connection
- Enable & Add Users
- Remote Connection
- Options
- Remote Control

### Section C: Web Server

- Web Services
- IIS 6.0
- Install IIS
- Manage Server
- Securing IIS

### Section D: Monitoring Servers

- Monitoring Tools
- System Monitor
- Remote Monitoring
- Performance Logs
- Log/Schedule Properties
- Create Logs/Alerts
- View Logs
- Performance Guidelines

### Section E: Shadow Copies

- Requirements
- Enable Shadow Copies
- Settings
- Restore Shadow Copies

### Section F: Backup

- Backup Options
- Removable Storage
- Backup Process
- Advanced Options
- Scheduled Backups
- Restore Options
- Restore Active Directory
- Restore Data

### Section G: Disaster Recovery

- Basic Elements
- Redundancy
- ASR
- Using ASR

## Session 6

### Section A: Windows Server 2003 R2 Edition

- Windows Server 2003 R2
- R2 Technologies
- 32-bit R2 Editions
- 64-bit R2 Editions
- Getting to R2

### Section B: File Server Roles and Quotas

- File Server Management
- Quota Management
- Quota Templates

### Section C: Screening and Reporting

- File Screening
- Storage Reporting

### Section D: Remote Management

- Branch Office Management
- Distributed File System

### Section E: Replicating Data

- DFS Replication
- Using DFS Replication

### Section F: Printer Management

- Print Server Management
- Remote Printer Installation

### Section G: UNIX Integration

- Interoperability
- Network File System
- Subsystem for UNIX

### Section H: Web Update Technology/UNIX

- Web Platform Features
- Hardware Management
- Development and Licensing