

# Managing and Maintaining a Microsoft Windows Server 2003 Environment

- **Course Number:** 2273
- **Length:** 5 Day(s)

## Certification Exam

This course will help you prepare for the following Microsoft Certified Professional exam:

- **Exam 70-290:** Managing and Maintaining a Microsoft Windows Server 2003 Environment

## Course Overview

This 5-day course provides 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.

This is the first course in the Systems Administrator and Systems Engineer tracks for Windows Server 2003 and serves as the entry point for other courses in the Windows Server 2003 curriculum.

## Prerequisites

Before attending this course, students must have:

- CompTIA A+ certification or equivalent knowledge and skills.
- CompTIA Network+ certification or equivalent knowledge and skills.

## Audience

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

### Hardware Management

#### 1.1 Device Manager

#### 1.2 Control Panel

#### 1.3 Driver Signing

#### Lab - Managing Driver Signing

#### Lab - Windows 2003 Server Installation

### Disk Management

#### 2.1 Disk Management Console

#### 2.2 Disk Tools

### Basic Disks

#### 3.1 Partitions

#### 3.2 Primary Partitions

#### 3.3 Extended Partitions

#### Lab - Creating Basic Partition

### Dynamic Disks

#### 4.1 Volumes

#### 4.2 Simple and Spanned Volumes

#### 4.3 Stripped Volumes

#### 4.4 Fault Tolerant Volumes

Lab - Creating Dynamic Volume  
Lab - Extending Dynamic Volume  
Lab - Disk Mirroring  
Lab - Configuring Raid  
Lab - Converting Basic Disk to Dynamic Disk

Level 2

Administrative Environment

1.1 MMC

1.2 Installing Tools

1.3 Active Directory Structure

Lab - Create MMC

User Accounts

2.1 Creating Accounts

2.2 Automated Account Creation

2.3 User Profiles

2.4 Logon Issues

Lab - User Account Setup

Lab - Organization Units

Groups

3.1 Group Scopes

3.2 Creating Groups

3.3 Automated Group Creation

3.4 Managing Groups

Lab - Add Users

Lab - Group Scopes

Level 3

Computer Accounts

1.1 Automating Account Creation

1.2 Joining Domains

1.3 Computer Account Issues

1.4 Creating Computer Accounts

Lab - Add Computer Account

Lab - Change Computer Properties

Lab - Join the Domain from Client

Lab - Move Computer Object

Using Groups

2.1 Local Groups

2.2 Permission Schemes

2.3 Permission Assignments

File Sharing

3.1 Creating Shares

3.2 Share Permissions

3.3 NTFS Permissions

3.4 Combining Permissions

Lab - Create a Shared Folder

Printer Management

4.1 Printer Sharing

4.2 Managing Printers

4.3 Special Printer Issues

Lab - Printer Setup

Level 4

System Monitoring

1.1 Task Manager 1.2 Event Viewer 1.3 Key Performance Counters 1.4 System Monitor 1.5 System Optimization

Software Management

2.1 Updates

2.2 Web Server Configuration

2.3 Disk Quotas

2.4 Software Licensing

Remote Management

3.1 Remote Tools

3.2 Terminal Services

Level 5

Automatic System Recovery

1.1 Creating an ASR Set

1.2 Using ASR

Backups

2.1 Backup Schemes

2.2 Making Backups

2.3 Managing Backups

2.4 Restoring from Backup

Recovery Tools

3.1 Boot Process

3.2 Recovery Console

3.3 Shadow Copies