

## Course Outline

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### 2275- Maintaining a Microsoft Windows Server 2003 Environment



**Duration:** 3 days (18 hours)

#### Learning Objectives:

- Prepare to administer server resources.
- Configure a server to monitor system performance.
- Monitor system performance.
- Manage device drivers by configuring device driver signing and restoring a device driver.
- Manage hard disks.
- Manage data storage.
- Manage disaster recovery.
- Maintain software by using Microsoft Software Update Services.

#### Target Audience:

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

#### Topics Covered:

- Preparing to Administer a server
  - Administering a Server
  - Configuring Remote Desktop to Administer a Server
  - Managing Remote Desktop Connections
  - Creating a Shared Folder on a Remote Computer
  - Defragmenting a Disk on a Remote Computer
  - Connecting to a Remote Console Session
  - Creating Shortcuts to Administration Tools
- Preparing to monitor server performance
  - Introduction to Monitoring Server Performance
  - Performing Real-Time and Logged Monitoring
  - Configuring and Managing Counter Logs
  - Configuring Alerts
  - Selecting the Appropriate Monitoring Technique
- Monitoring server performance
  - Monitoring Server Memory
  - Monitoring Processor Usage
  - Monitoring Disks
  - Monitoring Network Usage
  - Starting Performance with Administrative Controls

- Configuring System Monitor to Track High CPU Usage
- Creating and Configuring an Alert in Performance Logs and Alerts to Track High CPU Usage
- Enabling the Messenger Service
- Testing the High CPU Usage Alert
- Maintaining device drivers
  - Configuring Device Driver Signing Options
  - Using Device Driver Rollback
  - Viewing the Current File Signature Verification Setting
  - Modifying the Default Setting
  - Adding a Computer to the Organizational Unit
  - Verifying the New File Signature Verification Setting
- Managing Disks
  - Preparing Disks
  - Managing Disk Properties
  - Managing Mounted Drives
  - Converting Disks
  - Creating Volumes
  - Importing a Foreign Disk
  - Mounting Drive E to D:\Graphics
  - Changing Drive Letter D to X
  - Removing Mounted Drive E
  - Changing Drive Letter X to D
- Managing data storage
  - Managing File Compression
  - Configuring File Encryption
  - Implementing Disk Quotas
  - Exporting Disk Quota Entries
  - Importing Disk Quota Entries
  - Compressing a Folder
  - Encrypting a Folder
- Managing disaster recovery
  - Preparing for Disaster Recovery
  - Backing Up Data
  - Scheduling Backup Jobs
  - Restoring Data
  - Recovering from Server Failure
  - Selecting Disaster Recovery Methods
  - Installing the Recovery Console
  - Backing Up the System State Data
  - Creating a Windows Startup Disk
  - Recovering from a Corrupt Registry
  - Recovering from a Corrupt Boot File
- Maintaining software by using software update services
  - Introduction to Software Update Services
  - Installing and Configuring Software Update Services

- Managing a Software Update Services Infrastructure
- Creating a Group Policy Object to Configure Automatic Updates
- Preparing Sample Software Update Packages for Your Clients
- Verifying the Updates Are Available to the Clients