
Managing and Maintaining a Microsoft Windows Server 2003 Environment

Duration: 5 Days **Course Code: M2273**

Overview:

This 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. As this is an accelerated course, involving instructor led training and self-study, some evening study will be required during the course.

Target Audience:

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

Objectives:

- At the end of this course delegates will be able to:
 - Create and populate organizational units with user and computer accounts.
 - Manage user and computer accounts.
 - Create and manage groups.
 - Manage access to resources.
 - Implement printing.
 - Manage printing.
 - Manage access to objects in organizational units.
 - Implement Group Policy.
 - Manage the user and computer environment by using Group Policy
 - Audit accounts and resources.
 - 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.
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Prerequisites:

Delegates are required to meet the following prerequisites:

- CompTIA A+ certification, or equivalent knowledge and skills.
 - CompTIA Network+ certification, or equivalent knowledge and skills.
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Follow-on-Courses:

The following courses are recommended for further study:

- M2276 Implementing a Windows Server 2003 Network Infrastructure: Network Hosts
 - AZN134 Implement, Manage and Maintain a Windows Server 2003 Network Infrastructure (AcceleratedM2276/M2277)
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Content:

Introduction to Administering Accounts and Resources

- Multimedia: Introduction to Administering Accounts and Resources
- The Windows Server 2003 Environment
- Logging on to Windows Server 2003
- Using the Run As Feature for Administration
- Installing and Configuring Administrative Tools
- Creating an Organizational Unit

Managing User and Computer Accounts

- Creating User Accounts
- Creating Computer Accounts
- Modifying User and Computer Account Properties
- Creating a User Account Template
- Managing User and Computer Accounts
- Using Queries to Locate User and Computer Accounts in Active Directory

Managing Groups

- Creating groups.
- Managing group membership.
- Strategies for using groups.
- Using default groups.

Managing Access to Resources

- Overview of Managing Access to Resources
- Managing Access to Shared Folders
- Managing Access to Files and Folders Using NTFS Permissions
- Determining Effective Permissions
- Managing Access to Shared Files Using Offline Caching

Managing Access to Objects in Organizational Units

- Modifying Permissions for Active Directory Objects
- Delegating Control of Organizational Units

Implementing Group Policy

- Implementing Group Policy Objects
- Implementing GPOs on a Domain
- Managing the Deployment of Group Policy

Manage the deployment of Group Policy.

- Configuring Group Policy Settings
- Assigning Scripts with Group Policy
- Restricting Group Membership and Access to Software
- Configuring Folder Redirection
- Determining Applied GPOs

Implementing Administrative Templates and Audit Policy

- Overview of Security in Windows Server 2003
- Using Security Templates to Secure Computers
- Testing Computer Security Policy
- Configuring Auditing
- Managing Security Logs

Preparing to Administer a Server

- Introduction to Administering a Server
- Configuring Remote Desktop to Administer a Server
- Managing Remote Desktop Connections

Preparing to Monitor Server Performance

- Introduction to Monitoring Server Performance
- Performing Real-Time and Logged Monitoring
- Configuring and Managing Counter Logs
- Configuring Alerts

Managing Data Storage

- Managing File Compression
- Configuring File Encryption
- Configuring EFS Recovery Agents
- Implementing Disk Quotas

Managing Disaster Recovery

- Preparing for Disaster Recovery
- Backing Up Data
- Scheduling Backup Jobs
- Restoring Data
- Configuring Shadow Copies
- Recovering from Server Failure

Software Maintenance Using Windows Server Update Services

- Introduction to Windows Server Update Services
- Installing and Configuring Windows Server Update Services
- Managing Windows Server Update Services

Securing Windows Server 2003

- Introduction to Securing Servers
- Implementing Core Server Security
- Hardening Servers
- Microsoft Baseline Security Analyzer

Implementing Printing

- Multimedia: Introduction to Printing in the Windows Server 2003 Family
- Installing and Managing Access to Printers
- Managing Printer Drivers
- Implementing Printer Locations

Managing Printing

- Changing the Location of the Print Spooler
- Setting Printer Priorities and Scheduling Printer Availability
- Configuring a Printing Pool and Redirecting Print Queues

Monitoring Server Performance

- Multimedia: The Primary Server Subsystems
- Monitoring Server Memory
- Monitoring Processor Usage
- Monitoring Disks
- Monitoring Network Usage
- Monitoring Best Practices

Maintaining Device Drivers

- Configuring Device Driver Signing Options
- Using Device Driver Rollback

Managing Disks

- Preparing Disks
- Managing Disk Properties
- Managing Mounted Drives
- Converting Disks
- Creating Volumes
- Creating Fault-Tolerant Volumes
- Importing a Foreign Disk

Further Information:

For More information, or to book your course, please call us on 00 20 (0) 2 2269 1982 or 16142

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