

MCSE

Windows Server 2003 Certification Requirements

Microsoft Certified Systems Engineer (MCSE) candidates on the Windows Server 2003 track are required to satisfy the following requirements:

Core exams (six exams required)

- Four networking system exams
- One client operating system exam
- One design exam

Elective exams (one exam required)

Together with the core exams, the elective exams provide a valid and reliable measure of technical proficiency and expertise in solution design and implementation. MCSE candidates should also have at least one year of experience implementing and administering network operating systems and desktop operating systems

70-290 Managing and Maintaining a Windows Server 2003 Environment 5 days

- 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 using 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 Windows Server Update Services.
- Maintain Windows Server 2003 security

70-291 Implementing a Microsoft Windows Server 2003 Network Infrastructure 2 days

- Describe the Transmission Control Protocol/Internet Protocol (TCP/IP) protocol architecture.
- Convert Internet Protocol (IP) addresses between decimal and binary.
- Calculate a subnet mask.
- Create subnets using Variable-Length Subnet Mask (VLSM) and Classless Inter-Domain Routing (CIDR).
- Configure a host to use a static IP address.
- Assign IP addresses in a multiple subnet network.
- Describe the IP routing process.
- Configure a host to obtain an IP address automatically.
- Configure a host so that automatic private IP address configuration is disabled.
- Configure a host to use name servers.
- Isolate common connectivity issues.

And 5 days

Allocate IP addressing by using DHCP.

Manage and monitor DHCP.

Resolve names.

Resolve host names by using DNS.

Manage the integration of Active Directory and DNS.

Manage and monitor DNS.

Resolve network basic input/output system (NetBIOS) names by using WINS.

Secure network traffic by using IPSec and certificates.

Configure routing by using the Routing and Remote Access service.

Configure network access.

Manage and monitor network access

70-293 Planning and Maintaining a Microsoft Windows Server 2003 Network Infrastructure 5days

- Plan a TCP/IP physical and logical network.
- Plan and troubleshoot a routing strategy.
- Plan a Dynamic Host Configuration Protocol (DHCP) strategy.
- Optimize and troubleshoot DHCP.
- Plan a Domain Name System (DNS) strategy.
- Optimize and troubleshoot DNS.
- Plan and optimize Windows Internet Naming Service (WINS).
- Plan, optimize, and troubleshoot IPSec network access.
- Troubleshoot network access.

70-294 Planning, Implementing, and Maintaining a Microsoft Windows Server 2003 Active Directory Infrastructure

Describe the logical and physical components of Active Directory.

- Create and configure a forest and domain structure by using an Active Directory infrastructure design.
- Plan and implement an organizational unit structure.
- Plan and implement Active Directory user, group, and computer accounts.
- Plan and implement a Group Policy strategy to centrally manage users and computers in an enterprise.
- Deploy, manage, and troubleshoot software that is deployed using Group Policy.
- Implement sites to manage and monitor Active Directory replication.
- Plan and implement the placement of domain controllers, global catalog servers, and DNS servers that are integrated with Active Directory.
- Plan and manage operations masters.
- Back up, restore, and maintain Active Directory.
- Plan and implement an Active Directory infrastructure that is based on a directory service design that an enterprise architect provides.

70-620 Core Exam Client 3 days

- Install Windows Vista.
- Upgrade to Windows Vista Ultimate Edition.
- Configure post-installation system settings.
- Configure basic networking.
- Configure advanced networking.
- Configure user account security.
- Configure network security.
- Configure Microsoft® Internet Explorer® 7.0.

And

Module 1: Maintaining and Optimizing Windows Vista Systems

This module explains how to use the performance tools and diagnostics tools to maintain and optimize Windows Vista systems. This module also explains how to configure Windows Update.

Lessons

- Maintaining Performance by Using Windows Vista Performance Tools
- Optimizing Windows by Using Windows Vista Diagnostics Tools
- Configuring Windows Update

Lab: Maintaining and Optimizing Windows Vista

- Monitoring General System Activity by Using Resource Overview
- Viewing System Stability by Using Reliability Monitor

- Configuring Windows Update

After completing this module, students will be able to:

- Maintain performance by using Windows Vista performance tools.
- Optimize reliability by using Windows Vista diagnostic tools.
- Configure Microsoft Windows Update.

Module 2: Configuring Windows Vista Media Applications

This module explains how to configure the Microsoft Windows Media Player and the Windows Media Center.

Lessons

- Configuring Windows Media Player for Windows Vista
- Configuring Windows Media Center

Lab: Configuring and Troubleshooting Windows Vista Media Applications

- Configuring Windows Media Center
- Configuring Windows Media Player
- Troubleshooting Windows Media Player

After completing this module, students will be able to:

- Configure Microsoft Windows Media Player 11 for Windows Vista.
- Configure Microsoft Windows Media Center.

Module 3: Configuring Windows Vista Productivity Applications

This module explains how to configure the productivity tools included with every edition of Windows Vista.

Lessons

- Configuring Windows Sidebar
- Configuring Windows Mail
- Configuring Windows Meeting Space
- Configuring Windows Calendar
- Configuring Windows Fax and Scan

Lab : Configuring Windows Vista Productivity Applications

- Setting Up Windows Vista Productivity Applications
- Configuring Windows Mail
- Configuring Windows Sidebar

After completing this module, students will be able to:

- Use and configure Windows Sidebar.
- Use and configure Windows Mail.
- Use and configure Windows Meeting Space.
- Use and configure Windows Calendar.
- Use and configure Windows Fax and Scan.

Module 4: Configuring Mobile Computers

This module explains how to configure the settings in Windows Vista specifically for mobile computers, and also explains how to configure power management.

Lessons

- Configuring Mobile Computer Settings

- Configuring Mobile Devices
- Configuring Power Options

Lab: Configuring Mobile Computers

- Configuring a Sync Partnership for a Mobile Device
- Configuring Power Options

After completing this module, students will be able to:

- Configure mobile computer settings.
- Configure mobile devices.
- Configure power options.

Module 5: Configuring Tablet PC Settings

This module explains how to configure the options in Windows Vista specifically for a Tablet PC.

Lessons

- Configuring Windows Vista Tablet PC Settings
- Configuring Pen and Input Devices

Lab: Configuring a Windows Vista Tablet PC

- Configuring the Tablet PC Settings
- Configuring Pen and Input Devices

After completing this module, students will be able to:

- Configure Windows Vista Tablet PC settings.
- Configure Pen and Input Devices.

Module 6: Networking Mobile Computers

This module explains how to configure wireless networking and how to use Windows Vista tools to use offline files.

Lessons

- Networking Without Wires
- Connecting to a Wireless Network
- Working with Offline Files

Lab : Networking Mobile Computers

- Configuring a Wireless Network
- Troubleshooting a Wireless Network
- Using Offline Files

