



Microsoft Certified System Engineer (MCSE 2003)

with Security



Course Objective:

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

4 Core Exams on Networking Systems :

- 1) Exam 70–290: Managing and Maintaining a Microsoft Windows Server 2003 Environment
- 2) Exam 70–291: Implementing, Managing, and Maintaining a Microsoft Windows Server 2003 Network Infrastructure
- 3) Exam 70–293: Planning and Maintaining a Microsoft Windows Server 2003 Network Infrastructure
- 4) Exam 70–294: Planning, Implementing, and Maintaining a Microsoft Windows Server 2003 Active Directory Infrastructure

1 Core Exam on Client Operating Systems :

- 1) Exam 70–620: Microsoft Windows Vista, Configuring

1 Core Design Exam :

- 1) Exam 70-297: Designing a Windows Server 2003 Active Directory and Network Infrastructure

1 Elective Exam :

- 1) Exam 70-299: Implementing and Administering Security in a Windows Server 2003 Network

Prerequisite:

Working knowledge on networking and IT

Certificate Of Attendance :

Certificate Of Attendance will be awarded to students completing the course achieving a minimum 75% attendance.

Training Methodology & Materials:

- Practical hands-on sessions, 75% lab-based and 25% theory-based.
- Well-designed lab sessions to enhance further understanding of the courseware.

Training Duration :

Duration : 39 sessions

Time : 6.30pm – 10.00pm (Mon,Wed,Thu / Mon,Wed,Fri)

Course Fee (excludes MCSE exam fee) :

Without SDF Grant : S\$1,999

After SDF Grant : S\$1,499

Regn Fee : S\$100

Optional purchase of MS Press Books @ S\$319

SDF available to SME Companies only.

DETAILED COURSE OUTLINE

4 Core Exams on Networking Systems

Exam 70-290: Managing and Maintaining a Microsoft Windows Server 2003 Environment (6 sessions)

- Introduction to Administering Accounts and Resources
- Managing User and Computer Accounts
- Managing Groups
- Managing Access to Resources
- Implementing Printing
- Managing Printing
- Managing Access to Objects in Organizational Units
- Implementing Group Policy
- Managing the User Environment by Using Group Policy
- Introduction to Security in Windows Server 2003

Exam 70-291: Implementing, Managing, and Maintaining a Microsoft Windows Server 2003 Network Infrastructure (7 sessions)

- Configuring Routing by Using Routing and Remote Access.
- Allocating IP Addressing by Using Dynamic Host Configuration Protocol (DHCP)
- Managing and Monitoring Dynamic Host Configuration Protocol (DHCP)
- Resolving Names
- Resolving Host Names by Using Domain Name System (DNS)
- Managing and Monitoring Domain Name System (DNS)
- Resolving NetBIOS Names by Using Windows Internet Name Service (WINS)
- Securing Network Traffic by Using IPsec and Certificates
- Configuring Network Access
- Managing and Monitoring Network Access

Exam 70-293: Planning and Maintaining a Microsoft Windows Server 2003 Network Infrastructure (6 sessions)

- Introducing Windows Server 2003 Network Infrastructure Planning, Tools, and Documentation
- Planning and Optimizing a TCP/IP Physical and Logical Network
- Planning and Troubleshooting Routing and Switching
- Planning, Optimizing, and Troubleshooting DHCP
- Planning a DNS Strategy
- Optimizing and Troubleshooting DNS
- Planning and Optimizing WINS
- Planning and Troubleshooting IPsec
- Planning Network Access
- Troubleshooting Network Access
- Planning a Windows Server 2003 Network Infrastructure

Exam 70-294: Planning, Implementing, and Maintaining a Microsoft Windows Server 2003 Active Directory Infrastructure (10 sessions)

- Introduction to Active Directory Infrastructure
- Implementing an Active Directory Forest and Domain Structure
- Implementing an Organizational Unit Structure
- Implementing User, Group, and Computer Accounts
- Implementing Group Policy
- Deploying and Managing Software by Using Group Policy
- Implementing Sites to Manage Active Directory Replication
- Implementing the Placement of Domain Controllers
- Managing Operations Masters
- Maintaining Active Directory Availability
- Planning and Implementing an Active Directory Infrastructure

1 Core Exam on Client Operating Systems

Exam 70-620: Microsoft Windows Vista, Configuring (5 sessions)

- Installing Windows Vista
- Upgrading and Migrating to Windows Vista Ultimate Edition
- Configuring Post-Installation Options
- Sharing Files by Using Windows Vista
- Configuring Advanced Networking
- Configuring User Account Security
- Configuring Network Security
- Configuring Internet Explorer 7.0
- Maintaining and Optimizing Windows Vista Systems
- Configuring Windows Vista Media Applications
- Configuring Windows Vista Productivity Applications
- Configuring Mobile Computers
- Configuring Tablet PC Settings
- Networking Mobile Computers

1 Core Design Exam

Exam 70-297: Designing a Windows Server 2003 Active Directory and Network Infrastructure (1 session)

- Introduction to Designing an Active Directory and Network Infrastructure
- Designing a Forest and Domain Infrastructure
- Designing a Site Infrastructure
- Designing the Administrative Structure
- Designing for Group Policy
- Designing the Physical Network
- Designing for Network Connectivity
- Designing a Name Resolution Strategy
- Designing the Network Access Infrastructure

1 Elective Exam :

Option 1 :

Exam 70-299: Implementing & Administering Security in a Windows Server 2003 Network (4 sessions)



- Planning and Configuring an Authentication and Authorization Strategy
- Installing, Configuring and Managing Certificate Authorities
- Configuring, Deploying and Managing Certificates
- Planning, Implementing and Troubleshooting Smart Card Certificates
- Planning, Implementing and Troubleshooting Encrypting File System
- Planning, Configuring and Deploying a Secure Member Server Baseline
- Planning, Configuring and Implementing Secure Baselines for Server
- Planning, Configuring, Implementing and Deploying a Secure Client Computer Baseline
- Planning and Implementing Software Updates
- Planning, Deploying and Troubleshooting Data Transmission Security
- Planning and Implementing Security for Wireless Networks
- Securing Remote Access



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