Designing a Microsoft Exchange Server 2003 Organization

- **Course Number:** 2008
- **Length:** 2 Day(s)

Certification Exam

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

- **Exam 70-285:** Designing a Microsoft Exchange Server 2003 Organization

Course Overview

This two-day course provides students with the knowledge and skills necessary to successfully design and plan an Exchange Server 2003 organization in an enterprise network, including a plan for upgrading from previous versions of Exchange.

Prerequisites

Before attending this course, students must have:

- Working knowledge of Microsoft Windows Server 2003 and Active Directory
- Working knowledge of Active Directory design principles
- Working knowledge of Microsoft Exchange Server 5.5 and Exchange 2000 Server or Exchange Server 2003
- Working knowledge of networking, including Transmission Control Protocol/Internet Protocol (TCP/IP), Domain Name System (DNS), and Internet Information Services (IIS)
- Working knowledge of network infrastructure concepts including routing and routers, and available bandwidth
- Working knowledge of Internet protocols, including Post Office Protocol version 3 (POP3) or Internet Message Access Protocol version 4 (IMAP4), Simple Mail Transfer Protocol (SMTP), Hypertext Transfer Protocol (HTTP), and Network News Transfer Protocol (NNTP)
- Three or more years of messaging and network experience, including one year designing messaging infrastructures

In addition, it is recommended that you have completed

- Course 2400, Implementing and Managing Microsoft Exchange Server 2003, or have equivalent knowledge
- Workshop 2011, Troubleshooting Microsoft Exchange Server 2003, or have equivalent knowledge.
- Course 2282, Designing a Microsoft Windows Server 2003 Active Directory and Network Infrastructure, or have equivalent knowledge.
Knowledge of Exchange Server 5.5 or Exchange 2000 Server is beneficial but not necessary.

Audience

This course is intended for senior IT professionals with three or more years of messaging and network experience, including one year designing messaging infrastructures.

Course Outline

- Level 1
- Analyze Active Directory
  1.1 Analyzing Your Current Environment
  1.2 Integrating Into Forests
  1.3 Review
  1.4 Active Directory
  1.5 Designing an Administrative Model
  1.6 Security and Distribution Groups
  1.7 Designing Administrative Groups
  1.8 Defining an Administrative Model
  1.9 Labs - Active Directory Groups
  1.10 Summary
  Lab - FSMO
- Designing a Routing Topology
  2.1 Planning Routing Group Boundaries
  2.2 Planning a Single Routing Group
  2.3 Multiple Routing Groups
  2.4 Public Folders
  2.5 Types of Connectors
  2.6 Routing Group Connectors
  2.7 Connector Costs
  2.8 Routing Group Fault Tolerance
  2.9 Server Roles and Placement
  2.10 DNS and WINS
  2.11 IIS and Other Services
  2.12 Server Tools Needed
  2.13 Server Placement
  2.14 Review
  2.15 Lab - Groups
  2.16 Summary
  Lab - Routing Group and SMTP
- Level 2
- Public Folders
  1.1 Business and Logistical Requirements
  1.2 Organizing Public Folders
  1.3 Client Connectivity
  1.4 Planning Administrative Requirements
  1.5 User Permissions
  1.6 Analyzing Replication Requirements
  1.7 Hardware Requirements
  1.8 Review
  1.9 Lab Public Folders
  Lab - Public Folder Stores
- Security Strategy Stores
  2.1 Administrator Challenges
  2.2 Best Practices
  2.3 IIS
2.4 Perimeter Security
2.5 Protecting against Viruses
2.6 Protecting Mailbox Content
2.7 Bridgehead Servers and Routing Groups
2.8 Reducing Port Exposure
2.9 Intranet Security
2.10 Information Rights Management
2.11 Protecting Public Folders
2.12 Monitoring Exchange Server
2.13 Protecting Intellectual Property
2.14 Encryption
2.15 Summary

Lab - Managing Permissions

• Level 3
• High Availability Overview

• 1.1 Fault Tolerance
  1.2 Redundant Hardware
  1.3 Redundant Network Infrastructure
  1.4 Routing Topology
  1.5 Monitoring Capabilities
  1.6 Disaster Recovery Plan
  1.7 Active Directory
  1.8 Defining Fault Tolerance
  1.9 Front End Server
  1.10 Back End Cluster Service
  1.11 File Systems
  1.12 Sever Clustering
  1.13 Data Storage Solutions
  1.14 Summary

• Level 4
• Inter-Organization Connectivity

• 1.1 Identifying Requirements
  1.2 Messaging Connector Strategy
  1.3 Global Address List
  1.4 Designing GAL Synchronization
  1.5 Security Considerations
  1.6 Forest Configuration Requirements
  1.7 Planning a Public Folder Strategy
  1.8 Summary

• Deployment Strategy Overview

• 2.1 Deployment Steps
  2.2 Updated Active Directory
  2.3 Deploying Active Directory
  2.4 Migration Strategy
  2.5 Populating Active Directory
  2.6 Best Practices
  2.7 Old Connectors
  2.8 Public Folder Migration
  2.9 Mixed Mode VS Native MOOD
  2.10 Summary

Lab - Mixed Mode to Native Mode Review

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