

## **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 Server 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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