



M8uk Ltd.

Designing and Planning an Exchange Server 2003 Organization

Course Format: Instructor-led Classroom Training **Duration:** 2 Days

Overview

This course provides IT professionals 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.

Who Should Attend:

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

At Course Completion:

After completing this course, students will be able to:

- Analyze Active Directory and design an administrative plan
- Design a routing topology and server roles and placement
- Design a public folder and client connectivity strategy
- Design an Exchange Server 2003 security strategy
- Design for high availability and reliability
- Design inter-organizational connectivity
- Design an Exchange 5.5 to Exchange Server 2003 deployment strategy

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
- Three or more years of messaging and network experience, including one year designing messaging infrastructures
- 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)

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Outline:

Lesson 1: Analyze Active Directory and Design an Administrative Plan

Analyzing Your Current Environment
Designing Active Directory Groups for an Exchange Server 2003 Organization
Designing an Administrative Plan

Lesson 2: Design a Routing Topology and Server Roles and Placement

Planning Routing Group Boundaries
Planning Connectors between Routing Groups
Discussion: Planning Connectors and Costs
Planning Server Roles and Placement
Discussion: Planning Server Placement

Lesson 3: Design a Public Folder and Client Connectivity Strategy

Planning Business and Logistical Requirements for Public Folders
Planning Administrative and Permission Requirements for Public Folders
Planning Hardware Requirements for Public Folders

Lesson 4: Design an Exchange Server 2003 Security Strategy

Designing a Security Strategy
Planning Exchange Server 2003 Perimeter Security
Planning Exchange Server 2003 Intranet Security
Planning an Encryption Strategy
Discussion: Designing an Encryption Strategy

Lesson 5: Design for High Availability and Reliability

Introduction to Designing a Highly Available Exchange Server Organization
Providing Redundant Supporting Services for the Exchange Server Organization
Designing a Highly Available Internet Client Access Strategy
Designing a Highly Available Back-End Server Strategy
Designing a Highly Available Data Storage Strategy

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Lesson 6: Design Inter-organizational Connectivity

Identifying Requirements for Inter-organizational Connectivity
Planning for Inter-organizational Global Address List (GAL) Synchronization Strategy
Planning an Inter-organizational Public Folder Strategy

Lesson 7: Design an Exchange Server 5.5 to Exchange Server 2003 Deployment Strategy

Preparing to Migrate from Exchange Server 5.5
Planning a Directory Upgrade Strategy
Planning a Server Migration Strategy
Planning to Switch from a Mixed Mode to Native Mode Organization

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