

Course Description: This five-day, instructor-led course provides students with the knowledge and skills that are needed to update and support a reliable, secure messaging infrastructure. This infrastructure is used for creating, storing, and sharing information by using Microsoft Exchange Server 2003 in a medium-sized to large-sized (250 to 5,000 users) messaging environment. This course offers a significant number of hands-on practices, discussions, and assessments that assist students in becoming proficient in the skills that are needed to update and support Exchange Server 2003.

Who Should Attend: This course is for students who wish to become proficient in the skills that are needed to update and support Exchange Server 2003.

Prerequisites: Before attending this course, students must have working knowledge of Microsoft Windows Server 2003 and networking, including Transmission Control Protocol/Internet Protocol (TCP/IP), Domain Name System (DNS), and Internet Information Services (IIS). Students should also have working knowledge of Internet protocols, including Post Office Protocol 3 (POP3) or Internet Message Access Protocol 4 (IMAP4), Simple Mail Transfer Protocol (SMTP), Hypertext Transfer Protocol (HTTP), and Network News Transfer Protocols (NNTP).

In addition, it is recommended, but not required, that students have completed training in Managing a Microsoft Windows Server 2003 Environment, Maintaining a Microsoft Windows Server 2003 Environment, Implementing a Microsoft Windows Server 2003 Network Infrastructure: Network Hosts.

Knowledge of Exchange Server 5.5 or Exchange 2000 Server is beneficial but not necessary.

Benefits of Attendance: Upon completion of this course, students will be able to:

- Perform a installation of Exchange Server 2003 and verify that the installation was successful
- Configure and manage Exchange Server 2003
- Secure Exchange Server 2003
- Manage recipients
- Manage public folders
- Manage address lists
- Implement and manage access to Exchange Server mailboxes for Internet protocol clients
- Manage client configuration and connectivity
- Manage routing
- Manage mobile devices with Exchange Server 2003
- Manage data storage and hardware resources
- Plan for disaster and disaster recovery
- Back up and restore Exchange Server
- Perform preventive maintenance
- Migrate users from Exchange Server 5.5 to a separate Exchange Server 2003 organization.

Course Outline:

Introduction to Exchange Server 2003

Introduction to the Exchange Server 2003 Architecture
Exchange Clients Overview
Discussion: Introduction to Exchange Server 2003

Installing Exchange Server 2003

Preparing to Install Exchange Server 2003
Exchange Server 2003 Installation Tasks
Exploring the Exchange Management Tools
Lab: Installing the Exchange System Manager on Windows XP SP2

Optional Lab: Installing the Exchange Server 2003 Messaging and Collaboration Services

Securing Exchange Server 2003

Reducing the Server Attack Surface
Maintaining Message Hygiene
Configuring Administrative Permissions
Lab: Securing Exchange Server 2003

Managing Recipients

Managing Exchange Recipients
Managing Mailboxes
Managing Mail-Enabled Groups
Lab: Managing Recipients

Managing Active Directory Integration

Understanding the Integration of Exchange and Active Directory
Configuring Exchange Server Communications with Active Directory
Configuring Recipient Policies and the Recipient Update Service
Managing Address Lists
Lab: Managing Active Directory Integration

Managing Public Folders

Managing Public Folder Data

Managing Access to Public Folders
Managing Public Folder Replication
Configuring Full-Text Indexing
Lab: Managing Public Folders

Implementing Outlook Web Access

Introducing Outlook Web Access
Securing Outlook Web Access
Lab: Implementing Outlook Web Access

Implementing a Front-End/Back-End Exchange Server Topology

Introducing Front-End and Back-End Servers
Implementing a Front-End and Back-End Server Topology
Securing a Front-End and Back-End Server Topology
Discussion: Implementing a Front-End/Back-End Exchange Server Topology

Managing Client Connections to Exchange Server 2003

Selecting an Exchange Server 2003 Client
Connecting to Exchange Server 2003
Using S/MIME to Secure E-Mail Content
Managing Mobile Services
Lab: Managing Client Connections to Exchange Server 2003

Managing Message Routing

Understanding Exchange Server Message Flow
Configuring SMTP Virtual Servers
Understanding Message Routing in Exchange Server
Configuring Routing in an Exchange Server Organization
Exploring Link State Information
Lab: Managing Message Routing

Managing Data Storage and Hardware Resources

Managing Stores and Storage Groups
Understanding Exchange Server Data Storage
Managing Disk Space
Optimizing Hardware Resources

Lab: Managing Data Storage and Hardware Resources

Planning for and Recovering from Disasters

Planning for Disaster Recovery
Backing Up Exchange Server 2003
Restoring Exchange Server 2003 Data
Restoring Exchange Server 2003 Servers
Discussion: Planning for and Recovering from Disasters

Performing Preventive Maintenance

Performing Daily Exchange Server 2003 Maintenance
Performing Scheduled Exchange Server 2003 Maintenance
Performing On-Demand Exchange Server 2003 Maintenance
Discussion: Performing Preventive Maintenance

Migrating Users from Exchange Server 5.5 to Exchange Server 2003

Identifying a Migration Strategy
Performing Pre-Migration Steps
Migrating Exchange Server Data
Lab A: Performing an Inter-Organization Migration
Lab B: Performing an Intra-Organization Migration