

## **6051 - Introduction to Exchange Server 2003**

### **1. Introduction to Exchange Server 2003**

Get an overview of how Exchange Server components interact to provide a stable, reliable messaging environment. Explore the various technologies involved in implementing and maintaining an Exchange Server messaging environment, and get an introduction to many of the topics covered in detail throughout the course.

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

### **2. Installing Exchange Server 2003**

- Preparing to Install Exchange Server 2003
- Exchange Server 2003 Installation Tasks
- Exploring the Exchange Management Tools

### **3. Securing Exchange Server 2003**

Learn to reduce the attack surface on the Exchange servers by using Security templates and the Security Configuration Wizard, protect against unsolicited commercial e-mail (spam), and set appropriate administrative permissions.

- Reducing the Server Attack Surface
- Maintaining Message Hygiene
- Configuring Administrative Permissions

### **4. Managing Recipients**

Examine Exchange Server recipients and the messaging capabilities of various Active Directory directory service groups. Learn to manage mailboxes and mail-enabled groups and to create, delete, and modify users and contacts.

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

### **5. Managing Active Directory Integration**

Examine the relationship between Active Directory and an Exchange Server 2003 organization, including how Exchange servers communicate with and depend on Active Directory information. Also, learn to perform Active Directory tasks that directly influence Exchange Server configuration.

- 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

## **6. Managing Public Folders**

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

## **7. Implementing Outlook Web Access**

Learn best practices for configuring Outlook Web Access (OWA) and guidelines for properly securing a remote web access infrastructure.

- Introducing OWA
- Securing OWA

## **8. Implementing a Front-End/Back-End Exchange Server Topology**

Examine the Internet protocols that you can use to access Exchange Server, and explore the concepts and tasks involved. Learn to implement and secure front-end and back-end Exchange servers that can be used to access user data from remote locations through secure connections.

- 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

## **9. Managing Client Connections to Exchange Server 2003**

Examine client configuration and connectivity concepts, and learn the common tasks associated with configuring and customizing Outlook 2003, configuring connectivity for Exchange server clients, and understanding the mobility features of 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

## **10. Managing Message Routing**

Learn the concepts and tasks involved in configuring routing in an Exchange Server organization and managing connectivity to the Internet.

Configure the SMTP virtual servers and SMTP connectors.

- 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

## **11. Managing Data Storage and Hardware Resources**

Examine how Exchange Server 2003 stores data and what storage technologies it uses and learn to manage data storage, disk space, and hardware upgrades.

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

## **12. Planning for and Recovering from Disasters**

Learn to create a disaster recovery plan and perform a backup and a restore for Exchange Server 2003.

- 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

## **13. 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

## **14. Migrating Users from Exchange Server 5.5 to Exchange Server 2003**

Learn to migrate the Exchange Server 5.5 messaging system of a company running a Microsoft Windows NT 4.0 domain into the Exchange Server 2003 messaging system of another company running Windows Server 2003 and Active Directory.

- Identifying a Migration Strategy
- Performing Pre-Migration Steps
- Migrating Exchange Server Data

## **Labs**

### **Lab - Course Topic 2 - 1: Installing the Exchange System Manager on Windows XP SP2**

- Installing the Exchange System Management Tools

**Lab - Course Topic 2 - 2 (Optional): Installing the Exchange Server 2003 Messaging and Collaboration Services**

- Preparing the Environment
- Installing Exchange Server 2003

**Lab - Course Topic 3: Securing Exchange Server 2003**

- Applying a Security Configuration Wizard Security Policy
- Delegating Administrative Rights Using the Exchange Delegation Wizard
- Applying and Testing Intelligent Message Filtering

**Lab - Course Topic 4: Managing Recipients**

- Create Mailboxes with CSVDE
- Use VBScript to Mailbox-Enable User Accounts
- Modify Existing Mailboxes by Using LDIFDE

**Lab - Course Topic 5: Managing Active Directory Integration**

- Troubleshooting Exchange Server Requirements for Active Directory Information

**Lab - Course Topic 6: Managing Public Folders**

- Create a Public Folder by Using Microsoft Outlook 2003
- Replicate Public Folders with the Public Folder Migration Tool

**Lab - Course Topic 7: Implementing Outlook Web Access**

- Enable Forms-Based Authentication
- Securing OWA with the OWA Web Administration Tool

**Lab - Course Topic 9: Managing Client Connections to Exchange Server 2003**

- Configuring Outlook 2003 for RPC over HTTPS
- Sending Secure E-Mail by Using S/MIME

**Lab - Course Topic 10: Managing Message Routing**

- Creating an SMTP Connector to the Internet
- Configuring Secure Communications Between Routing Groups

**Lab - Course Topic 11: Managing Data Storage and Hardware Resources**

- Managing Circular Logging and Database File Location
- Verifying Disk Performance Using Jetstress

**Lab - Course Topic 14 - 1: Performing an Inter-Organization Migration**

- Preparing a Network Environment for a Migration
- Migrating Accounts with the ADMT
- Implementing the Active Directory Connector
- Moving Mailboxes from Exchange Server 5.5 to Exchange Server 2003

**Lab - Course Topic 14 - 2: Performing an Intra-Organization Migration**

- Identify a Migration Strategy