

# Configuring, Managing and Troubleshooting Microsoft Exchange Server 2010



## Overview

This five-day, instructor-led course will provide you with the knowledge and skills to configure and manage a Microsoft Exchange Server 2010 messaging environment. This course does not require previous Exchange Server experience, but does require that students have significant experience in managing Windows Server and Active Directory directory services or Active Directory Domain Services (AD DS). This course will teach you how to configure Exchange Server 2010, as well as provide guidelines, best practices, and considerations that will help you optimize your Exchange server deployment.

## Prerequisites

In addition to their professional experience, students who attend this training should have the following prerequisite knowledge:

- Fundamental knowledge of network technologies including Domain Name System (DNS) and firewall technologies.
- Experience with the Windows Server 2003 and Microsoft Windows Server 2008 operating systems.
- Experience with Active Directory directory services in Windows Server 2003 or AD DS Windows Server 2008.
- Experience managing backup and restore on Windows Servers.
- Experience using Windows management and monitoring tools such as Microsoft Management Console, Active Directory Users and Computers, Performance Monitor, Event Viewer, and Internet Information Services (IIS) Administrator.
- Experience using Windows networking and troubleshooting tools such as Network Monitor, Telnet, and NSLookup.
- Fundamental knowledge of certificates and Public Key Infrastructure (PKI).
- Basic experience with Windows Mobile.

## Course outline

### Module 1: Deploying Microsoft Exchange Server 2010

- Overview of Exchange Server 2010 Requirements
- Installing Exchange Server 2010 Server Roles
- Completing an Exchange Server 2010 Installation

### Module 2: Configuring Mailbox Servers

- Overview of Exchange Server 2010 Administrative Tools
- Configuring Mailbox Server Roles
- Configuring Public Folders

### Module 3: Managing Recipient Object

- Managing Mailboxes
- Managing Other Recipients
- Configuring E-Mail Address Policies
- Configuring Address Lists

- Performing Bulk Recipient Management Tasks

#### **Module 4: Managing Client Access**

- Configuring the Client Access Server Role
- Configuring Client Access Services for Outlook Clients
- Configuring Outlook Web App
- Configuring Mobile Messaging
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#### **Module 5: Managing Message Transport**

- Overview of Message Transport
- Configuring Message Transport

#### **Module 6: Implementing Messaging Security**

- Deploying Edge Transport Servers
- Deploying an Antivirus Solution
- Configuring an Anti-Spam Solution
- Configuring Secure SMTP Messaging

#### **Module 7: Implementing High Availability**

- Overview of High Availability Options
- Configuring Highly Available Mailbox Databases
- Deploying Highly Available Non-Mailbox Servers

#### **Module 8: Implementing Backup and Recovery**

- Planning Backup and Recovery
- Backing Up Exchange Server 2010
- Restoring Exchange Server 2010

#### **Module 9: Configuring Messaging Policy and Compliance**

- Introducing Messaging Policy and Compliance
- Configuring Transport Rules
- Configuring Journaling and Multi-Mailbox Search
- Configuring Messaging Records Management
- Configuring Personal Archives

#### **Module 10: Securing Microsoft Exchange Server 2010**

- Configuring Role Based Access Control
- Configuring Security for Server Roles in Exchange Server 2010
- Configuring Secure Internet Access

#### **Module 11: Maintaining Microsoft Exchange Server 2010**

- Monitoring Exchange Server 2010
- Maintaining Exchange Server 2010
- Troubleshooting Exchange Server 2010

#### **Module 12: Upgrading from Exchange Server 2003 or Exchange Server 2007 to Exchange Server 2010**

- Overview of Upgrading to Exchange Server 2010
- Upgrading from Exchange Server 2003 to Exchange Server 2010
- Upgrading from Exchange Server 2007 to Exchange Server 2010

**Module 13: Implementing Unified Messaging**

- Overview of Telephony
- Introducing Unified Messaging
- Configuring Unified Messaging

**Module 14: Advanced Topics in Exchange Server 2010**

- Deploying Highly Available Solutions for Multiple Sites
- Implementing Federated Sharing