

Exchange Server 2007 Administration: Hands-On - 5 Days

Course 980 Overview

- You Will Learn How To**
- Build and maintain a robust Exchange Server 2007 e-mail network
 - Establish an effective administration model to manage mailboxes, groups and contacts
 - Increase user productivity with Outlook 2007
 - Manage Exchange database and server operations effectively
 - Expand the Exchange environment to match increased business demands
 - Optimize Exchange for maximum performance and availability

Course Benefits Exchange Server 2007 represents a major upgrade from previous versions, offering streamlined server roles, enhanced collaboration features and simplified administration. This new functionality creates a need for trained professionals who can maximize these features effectively. This course provides the knowledge and skills to install, configure and protect Exchange Server 2007 in your environment.

Who Should Attend Those evaluating or implementing Exchange Server 2007. Course 960, "Windows Server 2008 Comprehensive Introduction," or equivalent knowledge is assumed. Working knowledge of AD sites and e-mail systems is helpful.

Hands-On Training Throughout this course, extensive hands-on exercises and an in-depth case study provide practical experience installing and managing an Exchange Server 2007 environment. Exercises include:

- Installing Exchange Server 2007
- Managing e-mail addressing
- Utilizing key Outlook 2007 features
- Connecting to a SharePoint server
- Restoring single messages and databases
- Securing Exchange against unwanted e-mail
- Creating additional mailbox databases
- Utilizing the ExBPA and ExTRA tools

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Course 980 Outline

Introduction

- Leveraging the Exchange Management Console and Shell
- Defining the need for 64-bit hardware
- Exploring Outlook capabilities
- Investigating upgrade and migration scenarios

Installing Exchange Server 2007

Initiating installation

- Choosing server roles
- Preparing the AD and server environment

Creating an administration model

- Delegating permissions
- Defining default administrative roles

Controlling e-mail domains

- Building accepted domain lists
- Configuring DNS to direct e-mail
- Creating e-mail address policies

Managing Recipient Objects

Mail-enabling users

- Establishing user and resource mailboxes
- Identifying mailbox properties

Setting up groups and contacts

- Differentiating group types
- Enabling contact objects

Configuring E-mail Connectivity

Working with Outlook

- Investigating AutoConnect
- Integrating SharePoint features
- Defining e-mail retention policies

Utilizing Anywhere Access

- Benefiting from Unified Messaging
- Connecting to Outlook Web Access (OWA)
- Accessing mail from mobile devices

Administering Exchange 2007 Servers

Defining server roles

- Mailbox
- Edge Transport
- Hub Transport
- Unified Messaging
- Client Access

Managing mailbox databases

- Dissecting the database structure

- Setting Local Continuous Replication (LCR)

Recovering from messaging loss or failure

- Leveraging Volume Shadow Service (VSS)
- Performing mailbox and database restores
- Utilizing Recovery Storage Groups
- Linking restore methods to disaster planning

Securing Exchange for Internet Access

- Port requirements for e-mail access through firewalls
- Blocking unwanted e-mail with the Edge Transport Server
- Utilizing transport rules to ensure regulatory compliance
- Differentiating between OWA and OWA Lite

Expanding the Messaging Environment

Optimizing your mailbox storage

- Adding message databases
- Moving mailboxes between stores

Controlling message flow

- Configuring send and receive connectors
- Leveraging AD sites to route e-mail

Adapting to a larger environment

- Enhancing scripts to manage multiple objects
- Diagnosing problems with message tracking

Monitoring Exchange Operations

Optimizing Exchange

- Analyzing system performance
- Executing the Best Practices Analyzer (ExBPA) to enhance configuration
- Managing messaging queues
- Enabling diagnostic logging and interpreting results

Resolving database issues

- Performing an offline defragmentation and repair
- Restoring databases to a consistent state
- Confirming the integrity of a database
- Running the Troubleshooting Analyzer (ExTRA) to diagnose problems