

## 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