

## Installing and Managing Exchange Server 2010: Hands-On - 4 Days

### *Course 2500 Overview*

- You Will Learn How To**
- Install, integrate and maintain a robust Exchange Server 2010 e-mail network
  - Configure Exchange to coexist with and transition from legacy Exchange servers
  - Create new mailboxes in Outlook and manage recipient objects
  - Administer server roles and Exchange databases to align with increased business demands
  - Manage UC certificates to secure Exchange services
  - Troubleshoot and diagnose the Exchange infrastructure with built-in tools

**Course Benefits** Exchange Server 2010 builds on the success of previous versions and offers significant enhancements in performance and management. This course provides the in-depth knowledge necessary to successfully install Exchange Server 2010 and transition from legacy servers. You develop the skills to administer server roles and recipient objects for maximum system performance.

**Who Should Attend** Those new to Exchange and those migrating from legacy systems to Exchange Server 2010. 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 the course, extensive hands-on exercises provide practical experience installing and managing Exchange Server 2010. Exercises include:

- Installing Exchange Server 2010
- Migrating from legacy systems to Exchange Server 2010
- Creating groups through the self-service interface
- Leveraging the Exchange Control Panel
- Configuring UC certificates
- Appending disclaimers to e-mail messages using transport rules
- Analyzing Exchange with diagnostic tools

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### Course 2500 Outline

#### Introduction to Exchange Server 2010 Preparing the server and Active Directory environment

- Identifying performance and management enhancements
- Modifying the Active Directory

#### Performing the installation

- Integrating Windows Server 2008 roles
- Selecting Exchange server roles

#### Discovering management tools

- Navigating the Exchange Management Console
- Leveraging PowerShell for effective administration
- Remote administration

#### Moving from Legacy Exchange Systems

##### Operating in an integrated environment

- Managing Exchange Server 2003, 2007 and 2010
- Differentiating Linkstate vs. Site-based message routing
- Dealing with discontinued features
- Replacing front-end servers with Client Access servers
- Upgrading recipient policy to E-mail Address Policy (EAP)

##### Performing an intraorganizational migration

- Updating LDAP address lists to OPATH format
- Adjusting mail flow
- Moving mailboxes
- Replicating public folders
- Retiring legacy Exchange servers

##### Migrating to Exchange Server 2010

- Creating a cloud/on-premise hybrid solution
- Synchronizing directory services
- Importing and exporting mailboxes with pst files
- Switching from non-Exchange systems

#### Building an Exchange Organization

##### Configuring the environment

- Defining accepted domains
- Setting up e-mail address policies
- Planning send and receive connectors
- Customizing transport limits

#### Protecting Exchange

- Identifying Exchange administrator roles
- Implementing antivirus and antispyam protection
- Backing up servers and databases

#### Managing Recipient Objects

##### Establishing mailboxes

- User
- Resource
- Alternate
- Linked
- Modifying mailbox types with PowerShell

##### Creating mail-enabled objects

- Setting up contacts
- Controlling message distribution through moderated groups
- Empowering users with self-service group management

#### Configuring E-mail Retrieval Methods

##### Investigating features of Outlook

- Implementing Autodiscover for profile creation
- Enabling Outlook Anywhere for remote access
- Connecting to Outlook Web Access (OWA)
- Accessing the Exchange Control Panel through OWA

##### Sharing data

- Setting mailbox permissions
- Opening shared-resource mailboxes

#### Leveraging Server Roles

##### Administering the Mailbox role

- Setting mailbox limits
- Performing backup and restore operations
- Distributing offline address books
- Benefiting from managed folders

##### Managing the Client Access role

- Defining ActiveSync policies to secure mobile devices
- Deploying UC certificates to secure Exchange Web Services
- Configuring properties of OWA

##### Fine-tuning the Hub Transport role

- Customizing send connectors for secure communications

- Configuring a receive connector for flexibility
- Developing transport rules to control content and mail flow

#### Maintaining System Operations

##### Troubleshooting the Exchange infrastructure

- Tracking messages through the system
- Enabling diagnostic logging
- Monitoring system health

##### Optimizing performance

- Comparing configurations to best practices
- Leveraging the Exchange toolbox