

Course Outline: Course 10135A: Configuring, Managing and Troubleshooting Microsoft

Exchange Server 2010

Learning Method: Instructor-led Classroom Learning

Duration: 5.00 Day(s)/ 40 hrs

Overview:

This five-day, instructor-led course will provide you with the knowledge and skills to configure and manage an 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.

Who Should Attend: This course is intended for people aspiring to be enterprise-level messaging administrators. Others who may take this course include IT generalists and help desk professionals who want to learn about Exchange Server 2010. People coming into the course are expected to have at least three years experience working in the IT field, typically in the areas of network administration, help desk, or system administration. They are not expected to have experience with previous Exchange Server versions. This course is intended for individuals who are employed as a PC Technician, Systems Administrator, Systems Engineer and IT Manager. IT Professionals, IT generalists, and help desk professionals who want to learn about Exchange Server 2007 are the audience for this course.

At Course Completion:

- Install and deploy Exchange Server 2010.
- Configure Mailbox servers and Mailbox server components.
- Manage recipient objects.
- Configure the Client Access server role.
- Manage message transport.
- Configure the secure flow of messages between the Exchange Server organization and the Internet.
- Implement a high availability solution for Mailbox servers and other server roles.

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- Plan and implement backup and restore for the server roles.
- Plan and configure messaging policy and compliance.
- Configure Exchange Server permissions and security for internal and external access.
- Monitor and maintain the messaging system.
- Transition an Exchange Server 2003 or Exchange Server 2007 organization to Exchange Server 2010.
- Configure the Unified Messaging server role and Unified Messaging components.
- Implement High Availability across multiple sites and implement Federated Sharing.

Outline 5047:

Module 1: Deploying Microsoft Exchange Server 2010

Lessons

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

Lab : Installing Exchange Server 2010

- Evaluating Requirements for an Exchange Server Installation
- Preparing for an Exchange Server 2010 Installation
- Installing Exchange Server 2010

Lab : Verifying an Exchange Server 2010 Installation

- Verifying an Exchange Server 2010 Installation

Module 2: Configuring Mailbox Servers

Lessons

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

Lab : Configuring Mailbox Servers

- Configuring Mailbox Databases
- Configuring Public Folders

Module 3: Managing Recipient Objects

Lessons

- Managing Mailboxes
- Managing Other Recipients
- Configuring E-Mail Address Policies
- Configuring Address Lists
- Performing Bulk Recipient Management Tasks

Lab : Managing Recipient Objects

- Managing Recipients
- Configuring E-Mail Address Policies
- Configuring Address Lists
- Performing Bulk Recipient Management Tasks

Module 4: Managing Client Access

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- Configuring the Client Access Server Role
- Configuring Client Access Services for Outlook Clients
- Configuring Outlook Web App
- Configuring Mobile Messaging

Lab : Configuring Client Access Servers for Outlook Anywhere Access

- Configuring Client Access Servers
- Configuring Outlook Anywhere

Lab : Configuring Client Access Servers for Outlook Web App and Exchange ActiveSync

- Configuring Outlook Web App
- Configuring Exchange ActiveSync

Module 5: Managing Message Transport

Lessons

- Overview of Message Transport
- Configuring Message Transport

Lab : Managing Message Transport

- Configuring Internet Message Transport
- Troubleshooting Message Transport
- Troubleshooting Internet Message Delivery

Module 6: Implementing Messaging Security

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Lessons

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

Lab : Configuring Edge Transport Servers and Forefront Protection 2010

- Configuring Edge Transport Servers
- Configuring ForeFront Protection 2010 for Exchange Servers

Lab : Implementing Anti-Spam Solutions

- Configuring an Anti-Spam Solution on Edge Transport Servers

Module 7: Implementing High Availability

Lessons

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

Lab : Implementing High Availability

- Deploying a DAG
- Deploying Highly Available Hub Transport and Client Access Servers
- Testing the High Availability Configuration

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Module 8: Implementing Backup and Recovery

Lessons

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

Lab : Implementing Backup and Recovery

- Backing Up Exchange Server 2010
- Restoring Exchange Server Data
- Restoring Exchange Servers (optional)

Module 9: Configuring Messaging Policy and Compliance

Lessons

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

Lab : Configuring Transport Rules, Journal Rules, and Multi-Mailbox Search

- Configuring Transport Rules
- Configuring Journal Rules and Multi-Mailbox Search

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Lab : Configuring Messaging Records Management and Personal Archives

- Configuring Messaging Records Management
- Configuring Personal Archives

Module 10: Securing Microsoft Exchange Server 2010

Lessons

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

Lab : Securing Exchange Server 2010

- Configuring Exchange Server Permissions
- Configuring a Reverse Proxy for Exchange Server Access

Module 11: Maintaining Microsoft Exchange Server 2010

Lessons

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

Lab : Maintaining Exchange Server 2010

- Monitoring Exchange Server 2010
- Troubleshooting Database Availability

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- Troubleshooting Client Access Servers

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

Lessons

- 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

Lessons

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

Lab : Implementing Unified Messaging

- Installing and Configuring Unified Messaging Features

Module 14: Advanced Topics in Exchange Server 2010

Lessons

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

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