

Course Outline: 5047 & 5051: Introduction to Installing and Managing Microsoft Exchange

Server 2007 & Monitoring and Troubleshooting Microsoft Exchange Server 2007

Learning Method: Instructor-led Classroom Learning

Duration: 5.00 Day(s)/ 40 hrs

Overview:

5047: students who are new to Microsoft Exchange Server will learn how to configure and manage a messaging environment in accordance with technical requirements. Students will learn how to install Microsoft Exchange Server 2007 and manage routing, client access, and the backup and restore of databases. They will also learn how to manage addressing and recipient objects such as mailboxes, distribution groups, and contacts.

5051: teaches messaging specialists to monitor and troubleshoot an Exchange Server 2007 messaging system. Students will learn how to correlate client and server issues and resolve those issues. They will also learn how to monitor systems and create reports from the monitoring data.

Who Should Attend: 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:

- Describe how Exchange Server 2007 and the Active Directory service work together
- Configure Mailbox server roles.
- Manage recipient objects.
- Manage e-mail and address lists.
- Manage client access.
- Manage Messaging Transport.
- Manage availability, backup and recovery.
- Maintain the message system
- Use the Microsoft Exchange Server 2007 Management Pack for Microsoft Operations Manager (MOM) 2005 to monitor Exchange servers.
- Monitor and troubleshoot client performance and connectivity
- Identify and resolve issues related to access of resources and messages.
- Monitor and troubleshoot mail flow
- Monitor and troubleshoot Mailbox servers
- Monitor and troubleshoot external and additional services.

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- Identify trends in a messaging system.
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Outline 5047:

Module 1: Overview of Exchange and Active Directory

Lessons

- Overview of Microsoft Exchange Server 2007 and Active Directory Directory Service
- Introduction to the Integration of Active Directory and Exchange Server 2007

Lab: Overview of How Active Directory and Exchange Server 2007 Work Together

- Discussion: Explaining How Exchange and Active Directory Work Together

Module 2: Installing Exchange Server 2007

Lessons

- Introduction to the Exchange Server 2007 Server Roles
- Installing Exchange Server 2007
- Completing the Exchange Server 2007 Installation

Lab 1: Installing Exchange Server 2007

- Preparing the Environment for an Exchange Server 2007 Installation
- Installing Exchange

Lab 2: Verifying an Exchange Server 2007 Installation

- Verifying an Exchange Server 2007 Installation

Module 3: Configuring Mailbox Server Roles

Lessons:

- Overview of Exchange Server 2007
- Implementing Mail-box Server Roles
- Managing Public Folder Databases

Lab: Configuring Mailbox Servers

- Configuring Storage Groups and Database Files
- Configuring a Public Folder and Store Referrals

Module 4: Managing Recipient Objects

Lessons:

- Managing Mailboxes
- Managing other recipients
- Overview of Managing Public Folders

Lab: Managing Recipient Objects

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- Modifying Existing Mailboxes
Configuring New Mailboxes and
Mail-Enabled Objects
- Managing Resource Mailboxes
- Managing Mailbox Removal

Module 5: Managing E-Mail Addresses and Address Lists

Lessons:

- Configuring E-Mail Address
- Configuring Address Lists
- Overview of Bulk Recipient Management Tasks

Lab: Managing E-Mail Addresses and Address Lists

- Managing E-Mail Address
- Managing Address Lists
- Performing Recipient Bulk Management Tasks

Module 6: Managing Client Access Lessons

- Implementing Client Access Servers
- Implementing Client Features
- Implementing Outlook Web Access
- Introduction to Implementing Mobile Messaging

Lab: Managing Client Access

- Configuring Client Protocols
- Managing Outlook Web Access Connectivity

- Managing Mobile Device Connectivity

Module 7: Managing Messaging Transport

Lessons

- Introduction to Message Transport
- Implementing Message Transport

Lab: Managing Messaging Transport

- Troubleshooting Local Message Delivery
- Troubleshooting Remote Message Delivery
- Discussion: Troubleshooting Message Transport

Module 8: Managing Availability, Backup and Recovery Lessons

- Implementing High-Availability for Mailbox Servers
- Managing a Backup Solution
- Managing a Recovery Solution

Lab: Managing Backup and Recovery

- Backing Up and Restoring Mailbox Databases
- Restoring Mailbox Databases using Local Continuous Replication (LCR)
- Restoring Data using the Recovery Storage Group

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Module 9: Maintaining the Messaging System

Lessons

- Overview of Implementing Change Management
- Overview of Updating Exchange Servers

Lab: Maintaining the Messaging System

- Determining the Information Necessary for Change Management Request

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