

Course 3938B: Updating Your Skills from Microsoft Exchange 2000 Server or Microsoft Exchange Server 2003 to Microsoft Exchange Server 2007

Course 3938: Three days; Instructor-Led

Introduction

Elements of this syllabus are subject to change.

This three-day, instructor-led course offers Microsoft Exchange 2000 Server or Microsoft Exchange Server 2003 administrators with the skills they need to manage a Microsoft Exchange Server 2007 infrastructure. This course focuses on the new features and administrative tasks in Exchange Server 2007.

The student will learn skills that enable them to deploy and manage an Exchange Server 2007 environment. This course's aim is not to provide detailed design skills, but will cover planning skills at a level sufficient to enable decision making during the implementation process.

Audience

This course is for people who operate in medium to very large computing environments, using Exchange 2000 Server or Exchange Server 2003. The typical environments in which they work have the following characteristics:

- Supported users range from 200 to over 100,000.
- Multiple physical locations.
- Typical products and technologies include Microsoft Windows 2000 or Windows 2003, Exchange 2000 Server or Exchange Server 2003, and network security products and technologies.

At Course Completion

After completing this course, students will be able to:

- Describe the new features that are included in Exchange Server 2007.
- Plan and implement an Exchange Server 2007 deployment or upgrade.
- Administer Exchange Server 2007.
- Implement client-access services in Exchange Server 2007.
- Manage message routing in Exchange Server 2007.
- Configure Exchange Server 2007 messaging security for Internet e-mail.
- Implement Exchange Server 2007 messaging policies.
- Implement Exchange Server 2007 high availability and disaster recovery.
- Implement Exchange Server 2007 Unified Messaging.

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Prerequisites

Before attending this course, students must have:

- Working experience with Exchange 2000 Server or Exchange Server 2003.
- Familiarity and experience with Windows or command-line scripting.
- Working experience with Windows Server 2003.
- Working experience with Active Directory directory services in Windows Server 2003.
- Working knowledge of networking, including TCP/IP and Domain Name System (DNS).

Course Outline

Module 1: Introducing Exchange Server 2007

This module provides an overview of the new Exchange Server 2007 features, focusing on the changes from previous Exchange Server versions. This module also introduces terminology and concepts that subsequent modules in this course will cover in greater detail.

Lessons

- New Features in Exchange Server 2007
- Introducing the Exchange Server 2007 Deployment Architecture
- Discontinued and De-Emphasized Features

After completing this module, students will be able to describe the following:

- New Exchange Server 2007 features
- The Exchange Server 2007 deployment architecture
- Features from previous Exchange versions that are discontinued or de-emphasized in Exchange Server 2007

Module 2: Deploying Exchange Server 2007

The module describes the Exchange Server 2007 Server Roles, and the planning and implementation of an Exchange Server 2007 deployment. Additionally, this module describes how to upgrade an Exchange 2000 Server or Exchange Server 2003 deployment to Exchange Server 2007.

Lessons

- Introduction to the Exchange Server 2007 Server Roles
- Installing Exchange Server 2007
- Upgrading to Exchange Server 2007
- Optional Lab: Deploying Exchange Server 2007
- Exercise 1: Preparing for the Exchange Server 2007 Installation
- Exercise 2: Installing Exchange Server 2007
- Exercise 3: Verifying the Exchange Server 2007 Installation

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After completing this module, students will be able to:

- Describe the Exchange Server 2007 server roles.
- Plan and implement an Exchange Server 2007 installation.
- Describe the high-level steps to upgrade from Exchange 2000 Server or Exchange Server 2003 to Exchange Server 2007.

Module 3: Administering Exchange Server 2007

Administering Exchange Server 2007 is quite different than administering previous Exchange versions. Exchange Server 2007 provides new management tools and new tasks that you will need to perform. This module details how to administer Exchange Server 2007.

Lessons

- Overview of Exchange Server 2007 Administration Tools
- Administering Exchange Server 2007 Mailbox Servers
- Managing Recipients in Exchange Server 2007
- Lab: Administering Exchange Server 2007
- Exercise 1: Configuring Mailbox Servers
- Exercise 2: Configuring Recipients
- Exercise 3: Performing Bulk Recipient Management Tasks

After completing this module, students will be able to:

- Describe the new tools for administering Exchange Server 2007.
- Administer Exchange Server 2007 Mailbox servers.
- Manage recipients in Exchange Server 2007.

Module 4: Implementing Client Access Services in Exchange Server 2007

Exchange Server 2007 provides access to user mailboxes for many different clients. In some cases, the client configuration has not changed significantly from previous Exchange versions. However, Exchange Server 2007 does provide some significant new features and administrative tasks related to managing client access. This module describes how to provide access to Exchange Server 2007 mailboxes.

Lessons

- Implementing the Client Access Server Role
- Implementing New Client Features in Exchange Server 2007
- Implementing Microsoft Office Outlook Web Access (OWA)
- Implementing Mobile Messaging
- Lab: Implementing Client Access Services in Exchange Server 2007
- Exercise 1: Configuring OWA Settings
- Exercise 2: Configuring Exchange ActiveSync Policies

After completing this module, students will be able to:

- Implement Exchange Servers running the Client Access Server Role.
- Implement new client features in Exchange Server 2007.
- Implement OWA in Exchange Server 2007.
- Implement and manage mobile messaging in Exchange Server 2007.

Module 5: Managing Message Routing in an Exchange Server 2007 Organization

Message flow through an Exchange Server 2007 organization is significantly different from previous Exchange versions. Rather than using routing groups, message routing in Exchange Server 2007 is based on the Active Directory directory services site configuration. This module describes how messages are routed through the organization, and describes and how to manage message routing.

Lessons

- Understanding Message Routing in Exchange Server 2007
- Managing Message Routing
- Lab: Managing Message Routing in an Exchange Server 2007 Organization
- Exercise 1: Configuring Message Routing for a Branch Office
- Exercise 2: Troubleshooting Message Routing Between Sites

After completing this module, students will be able to:

- Describe how message routing occurs in an Exchange Server 2007 organization.
- Manage message routing in Exchange Server 2007.

Module 6: Securing Messages with Exchange Server 2007

A critical factor in deploying any messaging system is securing Internet e-mail. Securing Internet e-mail includes ensuring that the messaging system remains secure from spam and viruses and securing messages sent across the Internet. This module details how to configure the Exchange Server 2007 features that increase Internet e-mail security.

Lessons

- Implementing the Edge Transport Server Role
- Implementing Antivirus and Anti-Spam Features
- Configuring Security for Internet E-Mail
- Lab: Securing Messages with Exchange Server 2007
- Exercise 1: Reviewing the Current Spam-Filtering Results
- Discussion: Modifying the Spam-Filtering Settings
- Exercise 2: Modifying the Spam-Filtering Settings

After completing this module, students will be able to:

- Implement the edge transport server role.
- Filter Internet e-mail messages by implementing anti-spam and antivirus solutions.
- Configure security for Internet e-mail.

Module 7: Implementing Messaging Policies in Exchange Server 2007

Many organizations must set restrictions on sending or receiving e-mail, or for e-mail retention, to comply with external or internal security policies. Exchange Server 2007 provides messaging policies as a powerful means to manage message flow and e-mail retention. This module details how to implement message policies.

Lessons

- Introducing Messaging Policies
- Implementing Transport Rules
- Implementing Messaging Records Management
- Lab: Implementing Messaging Policies in Exchange Server 2007
- Exercise 1: Implementing Transport and Journaling Rules
- Exercise 2: Implementing Messaging Records Management

After completing this module, students will be able to:

- Describe what message policies are and how to use them.
- Apply messaging policies to messages in transit.
- Implement messaging records management.

Module 8: High Availability and Disaster Recovery in Exchange Server 2007

Exchange Server 2007 provides several new features that enable high availability and disaster recovery. This module describes how to implement these features.

Lessons

- Implementing High Availability in Exchange Server 2007
- Implementing Disaster Recovery in Exchange Server 2007
- Lab: High Availability and Disaster Recovery in Exchange Server 2007
- Exercise 1: Configuring Windows Server 2007 Cluster Services
- Exercise 2: Installing and Configuring Exchange Server 2007 Active and Passive Nodes
- Exercise 3: Moving Exchange Server 2007 Resources Between Cluster Nodes

After completing this module, students will be able to:

- Implement high availability in Exchange Server 2007.
- Implement disaster recovery in Exchange Server 2007.

Module 9: Implementing Unified Messaging in Exchange Server 2007

Unified Messaging is the integration into one Inbox of a recipient's voice, fax, and e-mail messages. Exchange Server 2007 Unified Messaging integrates Exchange Server with an existing telephony network infrastructure. This module details how to implement Unified Messaging in Exchange Server 2007.

Lessons

- Telephony Overview
- Introducing Unified Messaging
- Installing and Configuring Unified Messaging
- Practice: Implementing Unified Messaging in Exchange Server 2007
- Install the Unified Messaging server role
- Create and configure a dial plan
- Create an IP Gateway
- Create a hunt group
- Create a Unified Messaging mailbox policy
- Enable a mailbox for Unified Messaging
- Create an Automated Attendant

After completing this module, students will be able to:

- Describe telephony concepts.
- Describe Unified Messaging.
- Install and configure Unified Messaging.