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3938-Updating Your Skills from Microsoft Exchange Server 2000 or Microsoft Exchange Server 2003 to Microsoft Exchange Server 2007

Three days; Instructor-Led

Introduction

This three-day instructor-led course will provide Exchange 2000 Server or Microsoft Exchange Server 2003 administrators with the skills needed 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 is not intended to provide detailed design skills, but will cover planning skills at a level sufficient to enable decision making for the implementation process.

Audience

This course is intended for those who operate in medium to very large computing environments, using Exchange 2000 Server or Exchange Server 2003. 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 gain the skills to:

- Describe the new features included with 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 messaging security for Internet e-mail in Exchange Server 2007.
- Implement messaging policies in Exchange Server 2007.
- Implement high availability and disaster recovery in Exchange Server 2007.
- Implement Unified Messaging in Exchange Server 2007.

Prerequisites

Before attending this course, students must have:

- Working experience with Exchange 2000 Server or Exchange Server 2003.
- Familiarity and experience with Windows scripting 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 features in Exchange Server 2007, focusing on the changes from previous versions of Exchange Server. This module also introduces terminology and concepts that will be described in more detail in the rest of the course.

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 new features in Exchange Server 2007.
- Describe the Exchange Server 2007 deployment architecture.
- Describe the features from previous versions of Exchange that have been discontinued or de-emphasized in Exchange Server 2007.

Module 2: Deploying Exchange Server 2007

The module describes the Exchange Server 2007 Server Roles and then describes how to plan and implement an Exchange Server 2007 deployment. This module also provides an overview of how to upgrade an Exchange 2000 Server or Exchange Server 2003 deployment to Exchange Server 2007.

Lessons

- Exchange Server 2007 Server Roles
 - Installing Exchange Server 2007
 - Upgrading to Exchange Server 2007
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- Lab: Deploying Exchange Server 2007
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- Preparing for the Exchange Server 2007 Installation
 - Installing Exchange Server 2007
 - Verifying the Exchange Server 2007 Installation

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 needed to upgrade from Exchange 2000 Server or Exchange Server 2003 to Exchange Server 2007.

Module 3: Administering Exchange Server 2007

In many ways, administering Exchange Server 2007 is no different than administering previous versions of Exchange. However, Exchange Server 2007 does provide new management tools and new tasks that you will need to perform. This module provides the details on 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

- Configuring Mailbox Servers
- Configuring Recipients

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 versions of Exchange. However, Exchange Server 2007 does provide some significant new features and new 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 Outlook Web Access
 - Implementing Mobile Messaging
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- Lab: Implementing Client Access Services in Exchange Server 2007
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- Configuring Outlook Web Access Settings
 - Configuring 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 Microsoft Outlook Web Access 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 than it was in previous versions of Exchange. While Exchange Server 2007 maintains one routing group in Active Directory, multiple routing groups and routing group connectors are no longer required in Exchange Server 2007. This module describes what has changed in how messages are routed through the organization, and describes 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

- Configuring Message Routing for a Branch Office
- 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

One of the critical factors 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 also includes securing messages that are sent

across the Internet. This module provides details on how to configure the Exchange Server 2007 features that increase the security of Internet E-Mail.

Lessons

- Implementing the Edge Transport Server Role
- Securing Internet E-Mail with Active Messaging Protection

- Lab: Securing Messages with Exchange Server 2007

- Configuring Message Routing for Internet E-Mail
- Configuring Message Routing Between Partner Organizations

After completing this module, students will be able to:

- Implement the edge transport server role.
- Secure Internet e-mail messages by implementing anti-spam and anti-virus solutions.

Module 7: Implementing Messaging Policies in Exchange Server 2007

Many organizations need to 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 provides details on how to implement message policies.

Lessons

- Introducing Messaging Policies
- Implementing Transport Rules
- Implementing Messaging Records Management

- Lab: Implementing Messaging Policies in Exchange Server 2007

- Implementing Transport Rules

- Implementing Messaging Records Management

After completing this module, students will be able to:

- Describe what message policies are and how they can be used.
- 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

- Configuring Windows Server 2003 Cluster Services
- Installing and Configuring Exchange Server 2007 Active and Passive Nodes
- 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 of a recipient's voice, fax, and e-mail messages into one Inbox. Exchange Server 2007 Unified Messaging integrates Exchange Server with an existing telephony network infrastructure. This module provides details on how to implement Unified Messaging in Exchange Server 2007.

Lessons

- Introducing Unified Messaging

- Installing 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 what Unified Messaging is.
- Install Unified Messaging