

Course 10165A:

Updating Your Skills from Microsoft® Exchange Server 2003 or Exchange Server 2007 to Exchange Server 2010 SP1

Course Outline

Module 1: Introducing Microsoft Exchange Server 2010

This module describes the new Exchange Server 2010 features as compared to the Exchange Server 2003 and Exchange Server 2007 features.

This module will cover the new features and terminology in two lessons, one of which will describe what is new since Exchange Server 2003. The other lesson will describe what is new since Exchange Server 2007. By covering this material at a high level early in the course, we can decrease some of the gaps in knowledge between the Exchange Server 2003 administrators and the Exchange Server 2007 administrators.

This module will also provide a high-level view of the steps required to migrate from previous Exchange Server versions to Exchange Server 2010. The purpose of this information is to provide a context for the following modules.

Lessons

- New Exchange Server 2010 Features for Exchange Server 2003 Administrators
- New Exchange Server 2010 Features for Exchange Server 2007 Administrators
- Upgrading to Exchange Server 2010

Lab : Planning Hardware Requirements for Microsoft Exchange Server 2010

After completing this module, students will be able to:

- Identify new features and enhancements in Exchange Server 2010 for Exchange Server 2003 administrators.
- Identify new features and enhancements in Exchange Server 2010 for Exchange Server 2007 administrators.
- Plan an upgrade of your existing Exchange Server organization to Exchange Server 2010.

Module 2: Deploying Microsoft Exchange Server 2010

This module explains how to install and deploy Exchange Server 2010 in an Exchange Server organization.

Lessons

- Installing Exchange Server 2010 SP1
- Verifying the Exchange Server 2010 Installation

Lab : Installing Exchange Server 2010 SP1Lab : Verifying the Exchange Server 2010 SP1 Installation

After completing this module, students will be able to:

- Perform an Exchange Server 2010 SP1 installation.
- Verify Exchange Server installation and integration with Exchange Server 2003 and Exchange Server 2007 environments.

Module 3: Configuring Mailbox Servers

This module explains how to configure Mailbox servers and Mailbox server components.

Lessons

- Upgrading the Mailbox Server Role
- Configuring Mailbox Server Roles
- Configuring Public Folders and Public Folder Databases in Exchange Server 2010

Lab : Configuring Mailbox Servers

After completing this module, students will be able to:

- Understand the coexistence of Exchange 2010 Mailbox server role with previous versions of Exchange Server during the upgrade process.
- Configure the Exchange 2010 Mailbox server role.
- Configure public folders and public folder databases

Module 4: Managing Recipient Objects

This module explains how to manage recipient objects, including migrating recipients from previous versions of Exchange Server to Exchange Server 2010.

Lessons

- Managing Mailboxes in Exchange Server 2010
- Configuring Mail Users, Mail Contacts, and Distribution Groups in Exchange Server 2010
- Configuring Email Address Policies and Address Lists in Exchange Server 2010
- Performing Bulk Recipient Management Tasks in Exchange Server 2010

Lab : Managing Exchange Server Recipients

After completing this module, students will be able to:

- Manage mailboxes in Exchange Server 2010.
- Configure mail users, mail contacts, and distribution groups in Exchange Server 2010.
- Configure email address policies and address lists in Exchange Server 2010.
- Perform bulk recipient management tasks in Exchange Server 2010.

Module 5: Managing Client Access

This module explains how to migrate client access services from Exchange Server 2003 and configure the Client Access server role in Exchange Server 2010.

Lessons

- Upgrading the Client Access Server Role
- Configuring the Client Access Server Role

- Configuring Client Access Servers for Outlook Clients
- Configuring Microsoft Outlook Web App
- Configuring Mobile Messaging

Lab : Upgrading and Configuring Client Access Servers

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

After completing this module, students will be able to:

- Upgrade the Client Access server role.
- Configure the Client Access server role.
- Configure Client Access servers for Microsoft Office Outlook Clients.
- Configure Microsoft Outlook Web App.
- Configure mobile messaging.

Module 6: Managing Message Transport

This module explains how to migrate message transport from previous versions of Exchange Server and configure message transport in Exchange Server 2010.

Lessons

- Overview of Message Transport
- Configuring Message Transport

Lab : Migrating and Managing Message Transport

After completing this module, students will be able to:

- Describe message transport in Exchange Server 2010.
- Explain how to configure message transport in Exchange Server 2010.

Module 7: Implementing Messaging Security

This module explains how to configure the secure flow of messages between the Exchange Server organization and the Internet.

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 for Exchange Server

Lab : Configuring Anti-Spam Filtering

After completing this module, students will be able to:

- Deploy Edge Transport servers.
- Deploy an antivirus solution.
- Configure an anti-spam solution.
- Configure secure SMTP messaging.

Module 8: Implementing High Availability

This module explains how to implement a high availability solution for Mailbox servers and other server roles in Exchange Server.

Lessons

- Configuring Highly Available Mailbox Databases
- Deploying Highly Available Non-Mailbox Servers
- Deploying High Availability with Site Resilience

Lab : Implementing High Availability

After completing this module, students will be able to:

- Configure highly available mailbox databases.
- Deploy highly available non-Mailbox servers.
- Deploy high availability with site resilience.

Module 9: Implementing Backup and Recovery

This module describes how to plan and implement a disaster recovery solution for Exchange Server 2010 servers.

Lessons

- Planning Backup and Recovery
- Backing Up Exchange Server 2010
- Recovering from Disasters

Lab : Implementing Backup and Recovery

After completing this module, students will be able to:

- Plan backup and recovery.
- Back up Exchange Server 2010.
- Recover from disasters.

Module 10: Configuring Messaging Policy and Compliance

This module explains how to plan and configure messaging compliance.

Lessons

- Introducing Messaging Policy and Compliance
- Configuring Transport Rules
- Configuring Journaling and Multi-Mailbox Search
- Configuring Archive Mailboxes
- Configuring Retention and Archive Policies

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

Lab : Configuring Archive Mailboxes and Retention Policies

After completing this module, students will be able to:

- Describe messaging policy and compliance.
- Configure transport rules.
- Configure journaling and Multi-Mailbox Search.
- Configure archive mailboxes.
- Configure Retention and Archive Policies.

Module 11: Securing Microsoft Exchange Server 2010 This module explains how to configure Exchange Server security.

Lessons

- Configuring Role-Based Access Control
- Configuring Audit Logging
- Configuring Secure Internet Access

Lab : Securing Exchange Server 2010

After completing this module, students will be able to:

- Configure RBAC permissions.
- Configure audit logging.
- Configure secure Internet access.

Module 12: Monitoring and Troubleshooting Microsoft Exchange Server 2010 This module explains how to monitor and maintain the messaging system.

Lessons

- Monitoring Exchange Server 2010
- Troubleshooting Exchange Server 2010

Lab : Monitoring and Troubleshooting Exchange Server 2010

After completing this module, students will be able to:

- Monitor Exchange Server 2010.
- Troubleshoot Exchange Server 2010.

Module 13: Upgrading from Microsoft Exchange Server 2007 to Exchange Server 2010 This module explains how to upgrade an Exchange Server 2007 organization to Exchange Server 2010.

Lessons

- Upgrading from Exchange Server 2007 to Exchange Server 2010

Lab : Upgrading from Exchange Server 2007 to Exchange Server 2010

After completing this module, students will be able to:

- Upgrade from Exchange Server 2007 to Exchange Server 2010.

Module 14: Appendix A: Understanding and Planning for Microsoft Exchange Online

This module explains how to plan for, migrate to, and manage Exchange Online. This module also explains how to implement Federated Delegation.

Lessons

- Planning for Exchange Online
- Migrating to and Managing Exchange Online
- Implementing Federated Delegation.