

Designing a Messaging Infrastructure using Microsoft Exchange Server 2007

Course Outline

Module 1: Gathering Requirements for a Messaging Infrastructure

This module explains how to gather business and technical requirements for a messaging system.

Lessons

- Gathering Business Requirements
- Identifying Additional Requirements
- Analyzing the Current Messaging Environment
- Creating a Requirements Document

Lab: Gathering Requirements for a Messaging Infrastructure

- Exercise 1: Evaluating an Existing Messaging Infrastructure
- Exercise 2: Creating a Requirements Document
- Exercise 3: Discussion: Real-World Best Practices for Setting Budget Expectations

After completing this module, students will be able to:

- Gather business requirements for a Microsoft Exchange Server 2007 deployment.
- Identify project stakeholders and non-business requirements.
- Analyze the current messaging environment.
- Create a requirements document.

Module 2: Designing Active Directory and Message Routing

This module explains how to design an Active Directory and message routing infrastructure.

Lessons

- Designing an Active Directory Infrastructure
- Designing Message Routing
- Designing the Message Routing Perimeter

Lab: Designing Active Directory and Message Routing

- Exercise 1: Designing a Message Routing Topology
- Exercise 2: Designing a Messaging Perimeter
- Exercise 3: Discussion: Improving an Active Directory and Message Routing Design

After completing this module, students will be able to:

- Design an Active Directory infrastructure that is optimized for Exchange Server 2007.
- Design a message routing topology.
- Design the messaging routing perimeter.

Module 3: Designing Exchange Servers

This module explains how to design Exchange Server configurations.

Lessons

- Designing Mailbox Servers
- Designing Non-Mailbox Servers
- Designing a Public Folder Architecture
- Designing a Lab Environment

Lab: Designing Exchange Servers

- Exercise 1: Planning an Exchange Server Deployment
- Exercise 2: Defining Test Lab Requirements

After completing this module, students will be able to:

- Design Mailbox server configurations.
- Design configurations for other servers running Exchange Server 2007.

- Design a public folder architecture.
- Design a test lab.

Module 4: Designing Security for a Messaging Environment

This module explains how to design security for a messaging environment.

Lessons

- Designing an Administrative Model
- Designing Message Security
- Designing Antivirus and Anti-spam Solutions

Lab: Designing Security for a Messaging Environment

- Exercise 1: Designing an Administrative Model
- Exercise 2: Designing Message Security
- Exercise 3: Designing Antivirus and Anti-spam Solutions

After completing this module, students will be able to:

- Design an administrative model for Exchange Server 2007.
- Design messaging security.
- Design antivirus and anti-spam solutions.

Module 5: Designing Messaging Policies

This module explains how to design messaging policies for an Exchange Server 2007 organization.

Lessons

- Designing Exchange Recipient and Message Policies
- Designing Mobile Device Policies
- Designing Messaging Policies for Compliance

Lab: Designing Messaging Policies

- Exercise 1: Designing Messaging Policies

After completing this module, students will be able to:

- Design policies for Exchange recipients and message delivery.
- Design policies for mobile devices.
- Design messaging policies for compliance.

Module 6: Designing Coexistence and Interoperability Strategies with Other Messaging Systems

This module explains how to design Exchange coexistence and messaging system interoperability strategies.

Lessons

- Overview of Coexistence and Interoperability with Other Messaging Systems
- Designing a Coexistence Strategy with Previous Exchange Versions
- Designing an Interoperability Strategy with Other Messaging Systems

Lab: Designing Coexistence and Interoperability Strategies with Other Messaging Systems

- Exercise 1: Designing a Coexistence Strategy with Exchange 2000 Server
- Exercise 2: Designing an Interoperability Strategy

After completing this module, students will be able to:

- Describe the Exchange coexistence and interoperability scenarios and terminology.
- Design a coexistence strategy with previous Exchange Server versions.
- Design an interoperability strategy with other messaging systems.

Module 7: Designing an Exchange Server 2007 Upgrade Strategy

This module explains how to design a strategy for upgrading to Exchange Server 2007.

Lessons

- Overview of Available Upgrade Strategies
- Designing a Transition From Previous Versions of Exchange
- Designing a Migration From Other Messaging Systems

Lab: Designing an Upgrade Strategy

- Exercise 1: Discussion: Reviewing the Exchange Server 2007 Design
- Exercise 2: Designing an Upgrade Strategy

After completing this module, students will be able to:

- Describe the Exchange upgrade terminology and strategies.
- Design a transition strategy for upgrading from previous Exchange Server versions.
- Design a migration strategy for upgrading from other messaging systems.

Module 8: Obtaining Approval for a Messaging Infrastructure Design

This module explains how to obtain approval for a messaging infrastructure design.

Lessons

- Preparing to Obtain Approval
- Presenting and Finalizing a Design

Lab: Obtaining Approval for a Messaging Infrastructure Design

- Exercise 1: Presenting a Messaging Infrastructure Design
- Exercise 2: Discussion: Characteristics of Effective Design Review Processes

After completing this module, students will be able to:

- Prepare for the design approval meeting.
- Present and finalize an Exchange Server 2007 design.