

# Designing a High Availability Messaging Solution using Microsoft Exchange Server 2007

## Course Outline

### Module 1: Foundational High Availability Concepts for Messaging

This module explains the concept of service level management and how it relates the maintenance of Exchange Server 2007. As well, an overview of the high availability technologies for various network and data center components.

#### Lessons

- Introduction to Service Level Management
- Overview of High Availability Technologies

#### Lab: Foundational High Availability Concepts for Messaging

- Exercise 1: Discussion: Refining the Scope of SLA Requirements

After completing this module, students will be able to:

- Explain service level management.
- Describe high availability technologies.

### Module 2: Evaluating High Availability Technologies for Exchange Server 2007

This module explains how to evaluate the high availability technologies for Exchange Server 2007. Options for Mailbox and non-Mailbox servers are covered.

#### Lessons

- Evaluating High Availability Options for Mailbox Servers
- Evaluating High Availability Options for Non-Mailbox Servers

#### Lab A: Evaluating High Availability Messaging Technologies

- Exercise 1: Configuring LCR
- Exercise 2: Configuring CCR

#### Lab B: Evaluating High Availability Messaging Technologies

- Exercise 1: Testing CCR
- Exercise 2: Discussion: Recommendations for Using the High Availability Solutions

After completing this module, students will be able to:

- Evaluate high availability options for Mailbox servers.
- Evaluate high availability options for non-Mailbox servers

### Module 3: Creating a High Availability Messaging Strategy

This module explains how to create a high availability messaging strategy. This includes creating solutions for Mailbox and non-mailbox servers.

#### Lessons

- Designing a High Availability Strategy for Mailbox Servers
- Designing a High Availability Solution for Non-Mailbox Servers

#### Lab: Creating a High Availability Messaging Strategy

- Exercise 1: Designing High-Availability Improvements for a Messaging Infrastructure
- Exercise 2: Justifying Messaging Infrastructure Design Decisions

After completing this module, students will be able to:

- Design a high availability strategy for Mailbox servers.
- Design a high availability solution for non-Mailbox servers.

### Module 4: Designing the Messaging Portion of a Business Continuity Plan

This module explains how to design the messaging portion of a business continuity plan. As well, information about identifying threats to the messaging organization and mitigating those threats is covered.

#### Lessons

- Overview of Business Continuity Planning
- Identifying Threats to the Messaging Organization
- Mitigating Threats to the Messaging Organization
- Designing the Business Continuity Plan

**Lab: Designing the Messaging Portion of a Business Continuity Plan**

- Exercise 1: Identifying Risks to a Messaging Environment
- Exercise 2: Discussion: Mitigating Risks to a Messaging Environment

After completing this module, students will be able to:

- Describe business continuity planning.
- Identify threats to the messaging organization.
- Mitigate threats to the messaging organization.
- Design the business continuity plan.

Module 5: Designing Backup for a High Availability Messaging Environment

This module explains how to identify the backup requirements and design the backup procedures for a high availability messaging environment.

**Lessons**

- Identifying Backup Requirements
- Designing Backup Procedures

**Lab: Designing Backup for a High Availability Messaging Environment**

- Exercise 1: Identifying Backup Requirements
- Exercise 2: Discussion: Creating Backup Procedures

After completing this module, students will be able to:

- Identify backup requirements.
- Design backup procedures.

Module 6: Ensuring Recovery Readiness of a High Availability Messaging Environment

This module explains how to ensure recovery readiness of a high availability messaging environment by designing recovery strategies and evaluating disaster recovery readiness.

**Lessons**

- Designing Recovery Strategies
- Evaluating Disaster Recovery Readiness

**Lab: Ensuring Recovery Readiness of a High Availability Messaging Environment**

- Exercise 1: Defining Recovery Procedures
- Exercise 2: Evaluating Disaster Recovery Readiness

After completing this module, students will be able to:

- Design recovery strategies.
- Evaluate disaster recovery readiness.