



Recovering Messaging Servers and Databases using Microsoft Exchange Server 2007 (5050A)

Course length: 1 days

Who Should Attend:

This course is intended for enterprise-level messaging administrators who have at least 3 years experience working in the Information Technology field, including administering Exchange Servers. Administrators should have some experience with Exchange Server 2007. Others who may take this course include IT generalists and help desk professionals who want to learn about Microsoft Exchange Server 2007



Course Summary:

Elements of this syllabus are subject to change.

This one-day instructor-led course provides messaging specialists with the knowledge and skills specialists need to recover Exchange mailboxes and servers in a variety of disaster scenarios. Students will learn how to perform full and dial-tone recoveries of a mailbox server, as well as repair a mailbox database. They will also learn how to perform a full recovery of Client Access servers, Hub Transport servers, and Edge Transport servers

Objectives:

After completing this course, students will be able to:

- Recover messaging databases.
- Prepare for and recover from Mailbox server failures.
- Prepare for and recover from non-Mailbox server failures.

Prerequisites:

Students must have an understating of the following:

- Working knowledge of malware. For example, approaches to scanning for viruses (client-based, Simple Mail Transfer Protocol (SMTP)-based, Exchange-based), methods that worms use to propagate, basic concepts of spam, phishing schemes, and unwelcome message content
- Conceptual understanding of firewalls. For example, how SMTP messages are allowed through a firewall
- Working knowledge of how Public Key Infrastructure (PKI) is managed in the directory
- Experience using these tools and applications:
 - NTBackup command.
 - NSLookup command.
 - Windows Explorer
 - Microsoft Management Console (MMC)
 - Active Directory Users and Computers
 - Active Directory Sites and Services
 - Internet Information Services (IIS) Admin
 - Outlook
- Working knowledge of Windows server operating system. For example, what Transmission Control Protocol (TCP/IP) and Domain Name System (DNS) do and how to use them, basic routing concepts (Wide Area Networks (WAN) vs. Local Area Network (LAN) router vs. switch vs. hub)



- Working knowledge of network technologies. For example, what TCP/IP and DNS do and how to use them, basic routing concepts (WAN vs. LAN, router vs. switch vs. hub)
- Working knowledge of Active Directory. For example, how user objects are managed, what is stored in Active Directory partitions, basic architectures (domain, forest, sites, etc.), and how domain controllers are managed. Also, site and site connector configuration, schema and configuration partitions, and Global Catalogs
- Conceptual understanding of e-mail technologies. Post Office Protocol (POP), Internet Access Message Protocol (IMAP), SMTP)
- Completion of the following equivalent knowledge: Course 5047A: Introduction to Installing and Managing Microsoft Exchange Server 2007

Time:

Class time is 9.00am – 4.30/5.00pm

Breaks are scheduled twice daily, one in the morning and another in the afternoon. Lunch is typically 12-1pm. This time may alter based on the trainers' discretion.

Course Material:

Course materials are provided. Our goal is to make sure your class meets your objectives, not ours. Therefore, all of our outlines are treated as guides to help steer the workshop. We may change or alter course topics to best suit the classroom situation.

Course Content:

Module 1: Recovering Messaging Databases

- After completing this module, students will be able to recover messaging databases.

Lessons

- Overview of Database Recovery Scenarios
- Recovering a Messaging Database Using Dial-Tone Recovery

Lab: Recovering Messaging Databases in Exchange Server 2007

- Performing a Database Backup
- Performing a Dial-Tone Recovery
- Repairing a Damaged Database

After completing this module, students will be able to:

- Describe messaging database recovery scenarios.
- Recover a messaging database using dial-tone recovery.

Module 2: Preparing for and Recovering from Mailbox Server Failures

- After completing this module, students will be able to prepare for and recover from Mailbox server failures.

Lessons

- Preparing for a Mailbox Server Recovery
- Recovering Mailbox Servers

Lab: Preparing for and Recovering from Mailbox Server Failures

- Performing a Mailbox Server Backup
- Recovering a Mailbox Server
- Recovering Mailbox Server Data



- **After completing this module, students will be able to:**
- Prepare for and recover from Mailbox server failures.
- Recover Mailbox servers.

- **Module 3: Preparing for and Recovering from Non-Mailbox Server Failures**
- After completing this module, students will be able to prepare for and recover from non-Mailbox server failures

- **Lessons**
- Preparing for a Non-Mailbox Server Recovery
- Recovering Non-Mailbox Servers

- **Lab: Preparing for and Recovering from Non-Mailbox Server Failures**
- Performing a Non-Mailbox Server Backup
- Restoring a Client Access Server
- Restoring a Hub Transport Server
- Restoring an Edge Transport Server

- **After completing this module, students will be able to:**
- Prepare for a non-Mailbox server recovery.
- Recover non-Mailbox servers.

Certified Exam Info:

This course will help the student prepare for the following Microsoft Certified Professional exam:
Exam 70-236: Implementing, Troubleshooting and Maintaining a MS Exchange Server 2007 Infrastructure