

48 HORAS

MS-200T01-A: Understanding the Modern Messaging Infrastructure

INTRODUCTION

In this course you will learn about the architecture of the modern messaging infrastructure with Exchange Server and Exchange Online and how to deploy messaging in different scenarios and organizations. You will be guided through the initial deployment process and introduced to the messaging management tools. You will learn how to create and manage different types of recipients, and how to create and manage Exchange Server mailbox databases, which serve as storage locations for all messaging data. Finally, you will be introduced to messaging infrastructure organizational settings, such as how to manage authentication for your messaging environment, how to configure quotas for users in the organization, and how to configure organization sharing with federation.

AUDIENCE

The Messaging Administrator deploys, configures, manages, and troubleshoots recipients, permissions, mail protection, mail flow, and public folders in both on-premises and cloud enterprise environments. Responsibilities include managing message hygiene, messaging infrastructure, and hybrid configuration and migration. The Messaging Administrator also implements and manages disaster recovery, high availability, and client access. The Messaging Administrator collaborates with the Security Administrator and Microsoft 365 Enterprise Administrator to implement a secure hybrid topology that meets the business needs of a modern organization. The Messaging Administrator should have a working knowledge of authentication types, licensing, and integration with Microsoft 365 applications.

AT COURSE COMPLETION

After completing this course, students will be able to:

- Understand the Modern Messaging Architecture
- Deploy and Manage a Modern Messaging Architecture
- Create and Manage Exchange Recipients
- Manage Email Addresses, Lists, and Resources
- Plan for Mailbox Databases
- Create and Manage Mailbox Databases
- Manage Authentication for Messaging
- Configure Organizational Settings
- Configure Organizational Sharing

PREREQUISITES

Before attending this course, students must have:

- This course is designed for persons who are aspiring to the Microsoft 365 Messaging Administrator role.

COURSE OUTLINE

Module 1: Managing Modern Messaging Infrastructure

- Overview of Modern Messaging Architecture
- Deploying Modern Messaging Infrastructure
- Managing Modern Messaging Infrastructure

Module 2: Managing Recipient Objects and Resources

- Exchange Recipients
- Creating and Managing Exchange Recipients
- Managing Email Addresses, Lists, and Resources

Module 3: Managing Mailbox Databases

- Mailbox Databases in Exchange Server
- Planning for Mailbox Databases
- Creating and Managing Mailbox Databases
- Troubleshooting Mailbox Databases

Module 4: Managing Organizational Settings

- Managing Authentication for Messaging
- Configuring Organizational Settings
- Designing Solutions for External Access

Module 5: Course Conclusion

MS-200T02-A: Managing Client Access and Mail Flow

INTRODUCTION

In this course you will learn how Microsoft Exchange Server provides access to user mailboxes for many different clients. Because all messaging clients access Exchange Server mailboxes through client access services, we will examine how to plan, configure, and manage client access services in Exchange Server. Since using smartphones and tablets for messaging has become very popular, and because many smartphone users use their devices intensively for email, calendar, tasks, and other collaboration purposes, you will also learn how to manage mobile devices. This course also describes planning and configuring message transport in an Exchange Server organization. You will learn how to plan, configure and manage transport services to provide efficient communication between your Exchange Servers, Exchange Online, and other mail servers on the Internet. Finally, you

will learn how to troubleshoot transport services when issues occur in different scenarios so that you can provide your organization with a healthy and reliable messaging infrastructure.

AT COURSE COMPLETION

After completing this course, students will be able to:

- Implement Client Access Services
- Manage Client Devices
- Configure Outlook on the Web
- Troubleshoot Client Access
- Configure Mobile Device Mailbox Policies
- Manage Mobile Device Mailbox Policies
- Configure Message Transport
- Manage Transport Rules
- Manage Mail Flow
- Troubleshoot Mail Flow
- Troubleshoot Transport Issues
- Troubleshoot with Logs

PREREQUISITES

Before attending this course, students must have:

- A proficient understanding of DNS and basic functional experience with Microsoft 365 services.
- Understanding of Active Directory and Domain Controller infrastructure along with identity management.
- Experience with directory synchronization.
- At least 5 years general IT experience.

COURSE OUTLINE

Module 1: Managing Client Access

- Implementing Client Access Services
- Managing Client Devices
- Configuring Outlook on the Web
- Troubleshooting Client Access

Module 2: Managing Mobile Devices

- Mobile Device Mailbox Policies
- Managing Mobile Device Access

Module 3: Managing the Transport Pipeline

- Overview of Transport Services
- Configuring Message Transport
- Managing Transport Rules

Module 4: Managing and Troubleshooting Mail Flow

- Managing Mail Flow
- Troubleshooting Mail Flow
- Troubleshooting Transport Issues
- Troubleshooting with Logs

Module 5: Course Conclusion

MS-200T03-A: Managing Messaging High Availability and Disaster Recovery

INTRODUCTION

In this course you'll learn about the traditional and modern solutions for messaging high availability and disaster recovery. Messaging systems have become increasingly complex, given the abundance of new features that have been added the last few years, as well as the increased importance placed on availability and disaster recovery. The traditional approaches for high availability and disaster recovery are still present and exist primarily on the hardware layer, such as RAID systems for storage, block device replication, and archiving solutions using external storage. While Microsoft Exchange supports these traditional approaches, it also offers solutions that modernize high availability and disaster recovery by providing solutions directly integrated into the messaging systems. This includes such things as continuous replication and retention solutions that are built directly inside the message databases. This saves administrators a lot of time and effort maintaining different layers of foreign solutions on hardware and software. In this course, you'll be introduced to each solution, you'll learn when to use the one or the other, you'll learn how to plan a deployment, and how to perform the actual implementation.

AT COURSE COMPLETION

After completing this course, students will be able to:

- Plan High Availability for Mailbox Servers
- Plan High Availability for Client Access Service
- Plan High Availability for Transport
- Implement Site Resilience
- Plan for Disaster Recovery
- Implement Backup Strategies
- Restore Mailboxes, Databases, and Servers
- Plan the Public Folder Hierarchy
- Implement and Manage Public Folders
- Troubleshoot Public Folders

COURSE OUTLINE**Module 1: High Availability for Exchange Servers**

- Planning High Availability for Mailbox Servers
- High Availability for Client Access Service
- High Availability for Transport
- Implementing Site Resilience

Module 2: Managing Disaster Recovery

- Planning for Disaster Recovery
- Implementing Backup Strategies
- Restoring Mailboxes, Databases, and Servers

Module 3: Managing Public Folders

- Planning the Public Folder Hierarchy
- Implementing and Managing Public Folders
- Troubleshooting Public Folders

**Module 4: Lab - Public Folder Management and
Disaster Recovery**