



Microsoft 365 Messaging (MS-203)

Detalles del curso:

Duración: 30 horas

Modalidad: Videoconferencia

Información e inscripción:

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Introducción

This course examines the key elements of Microsoft 365 messaging administration, including message transport and mail flow, messaging security, hygiene, and compliance, messaging infrastructure, and hybrid messaging. This course is designed for IT Professionals who deploy and manage the messaging infrastructure for Microsoft 365 in their organization. The course begins with an examination of Microsoft's messaging transport pipeline. 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. You will also learn how to manage and troubleshoot mail flow, as well as 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. You will then learn about the different messaging-related security and compliance service configurations and settings with Exchange Server and Exchange Online. You will begin by examining the fundamentals of message hygiene with Exchange Online Protection and Exchange Advanced Threat Protection, as well as connection and spam filtering with Exchange. You will then examine messaging compliance solutions, such as retention and data loss prevention policies, as well as audit log investigations and eDiscovery search mechanisms from the messaging compliance perspective. You will then transition to a study of the Microsoft messaging infrastructure. This includes managing organizational settings, mobile devices, role-based permissions, recipient objects and resources, and address lists. This section then examines public folders, including how to plan, implement, and troubleshoot your public folder hierarchy. Finally, the course concludes with an introduction to the world of hybrid messaging. You will learn how to deploy a hybrid environment for your Exchange organization and how to migrate mailboxes to Exchange Online. You will begin by examining available mailbox migration options, and then focus on planning for a hybrid deployment. Finally, you will learn how to implement and troubleshoot a hybrid deployment.

¿A quién va dirigido?

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. To implement a secure hybrid topology that meets the business needs of a modern organization, the Messaging Administrator must collaborate with the Security Administrator and Microsoft 365 Enterprise Administrator. The Messaging Administrator should have a working knowledge of authentication types, licensing, and integration with Microsoft 365 applications.

Objetivos didácticos

El objetivo principal de este curso es CREAR cuadros de mando que aporten valor al negocio. Éste se logra a través del cumplimiento de otros objetivos específicos.

- Extraer datos de diferentes orígenes y añadirlos a nuestro DW
- Transformar los datos para conseguir la información requerida
- Crear un modelo de datos optimizado para su análisis
- Calcular indicadores para su seguimiento
- Visualizar todos los datos de forma atractiva y profesional
- Publicar los informes para compartirlos con los usuarios interesados.

Requisitos previos

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

Programa

1. Manage the transport pipeline in Microsoft 365

In this module, you will learn about the different transport components of Exchange, how the message routing works, and how to configure the message flow for your organization. You will examine the tasks that messaging administrators must complete to configure message transport. You will review the message transport options and learn how to configure domains and connectors and how to implement an approval workflow for messaging. You will also learn how to manage transport rules, which are a very powerful configuration to control the message flow in your organization.

Lesson

- Explore transport services
- Configure message transport
- Manage transport rules

Lab : Configure Message Transport

- Create Connectors

2. Manage and troubleshoot mail flow in Microsoft 365

In this module, you will examine the components of mail flow, and you will learn how to manage your mail flow, which is a crucial task for every Exchange administrator. You will study the differences between managing mail flow in Exchange Online, Exchange Server, and Exchange Hybrid deployments. From managing mail flow, you will transition to troubleshooting mail flow issues such as emails not being routed correctly in or outside your organization, or when secure connections cannot be established successfully. You will learn about the tools Microsoft provides to help you find the root cause of your issues and fix your mail flow. You will then transition from troubleshooting mail flow to troubleshooting transport issues, such as network-based issues, connector and agent issues, and architectural issues, as well as how to troubleshoot in coexistence. Finally, you will learn how to check event, protocol, and tracking logs when all troubleshooting for service availability and message transport has finished and an issue still persists, or if you must find historical data about issues in the past,

Lesson

- Manage mail flow
- Troubleshoot mail flow
- Troubleshoot transport issues
- Troubleshoot mail flow using logs

Lab : Conditional Mail Routing

- Create Mail Flow Rules

3. Manage message hygiene in Microsoft 365

In this module, you will learn about Microsoft Exchange Online Protection (EOP) features and functionality. You will also learn how to plan messaging routing for this service, which provides anti-malware and anti-spam policies that protect your organization against spam and malware and safeguards your organization from messaging policy violations. You will then review the anti-malware and anti-spam protection that Exchange Server and Online Protection provide, and you will learn how to configure SPAM and malware filters, policies, and settings to provide protection for your users. You will conclude the module by examining Defender for Office 365 and how it extends the protection provided by EOP by filtering targeted attacks that could pass through EOP's line of defenses, including advanced threats such as zero-day attacks in email attachments and Office documents and time-of-click protection against malicious URLs. You will learn how Defender for Office 365 protects users from advanced threats through features such as safe attachments and safe links, and how it

generates reports which provide administrators with insight into attacks targeting their tenants through email.

Lesson

- Plan for message hygiene
- Manage anti-malware and anti-spam policies
- Explore threat protection in Microsoft 365 Defender

Lab : Managing Messaging Hygiene

- Create Hygiene Filters

4. Manage compliance in Microsoft 365

This module begins by describing the different compliance features in Microsoft 365 that messaging administrators can use to comply with legal and regulatory requirements. This module supports compliance in Exchange by examining the compliance features available in the Exchange Admin Center for Exchange Server and hybrid deployments. Because of the complex retention requirements of modern messaging environments, this module focuses on how archiving is performed with Exchange so that you can provide an efficient and compliant environment to your users. You will also examine how additional archive storage is provided to your users, how messages are automatically processed and archived, and how audit logging in Exchange that provides information about administrator, delegate, and user actions in user mailboxes and your Exchange organization. Finally, because organizations must adhere to legal discovery requirements (related to organizational policy, compliance, or lawsuits), you will examine how eDiscovery for Microsoft Exchange can help you perform discovery searches for relevant content within mailboxes.

Lesson

- Explore messaging compliance in Microsoft 365
- Explore messaging compliance in Exchange
- Manage Exchange Online archiving and auditing
- Manage content search

Lab : Manage Messaging Compliance

- Manage Messaging Compliance

5. Manage your Microsoft 365 messaging environment

This module begins with an examination on how to manage authentication for messaging. This module focuses on how to ensure that user accounts are well protected and secure, and how to deploy multiple security features that do not introduce unnecessary complexity in users' everyday work, which can result in lower business productivity and new security risks. You will then transition from messaging authentication to organizational settings, where you will learn how to configure settings that apply to the entire organization or to many users in the organization. Finally, you will examine how to configure organizational sharing. This module then transitions to examining Mobile Device Management in Microsoft 365, as well as how Exchange ActiveSync and mobile device mailbox policies support this effort. You will then examine how to manage and troubleshoot mobile device access. This module then examines how to configure both access and infrastructure for mobile devices, understanding the implications of mobile device remote wipe, and learning about alternative methods for mobile device management.

Lesson

- Manage authentication for messaging
- Configure organizational settings
- Configure organizational sharing
- Explore mobile device mailbox policies
- Manage mobile device access

Lab : Implement ActiveSync

- Implement ActiveSync

6. Manage role-based permissions in Microsoft 365

This module examines how messaging administrators manage role-based permissions, which is an essential task for any messaging administrator. Since Exchange Server and Exchange Online both use the Role Based Access Control (RBAC) permission model, this module examines the basics of RBAC management. The module concludes by examining how a messaging administrator must plan and configure permissions carefully so as not to put their environment or their entire Active Directory at risk.

Lesson

- Manage administrator roles
- Manage user roles
- Analyze role-based permissions

Lab : Manage Roles and Permission Policies

- Manage Roles and Permission Policies

7. Manage recipient objects and resources in Microsoft 365

This module examines some of the most common tasks that messaging administrators perform - creating and configuring email recipients, lists, and resources. This module examines the different types of Exchange Server recipients, including how they differ from each other. The module then focuses on the various tasks that require you to create and manage Exchange recipients in Exchange, including user mailboxes, resource mailboxes, shared mailboxes, mail contacts, and mail users. You will also learn how to manage permissions for recipients, and how to create and manage groups.

Lesson

- Explore the different types of Exchange recipients
- Create and manage Exchange recipients
- Manage email addresses, lists, and resources

Lab : Create Recipient Objects and Resources

- Create Exchange Recipients
- Create Groups

8. Manage public folders in Microsoft 365

In this module, you will learn about public folders in Exchange, review the planning considerations for deploying public folders, and discuss alternatives to public folders. You will also learn how to implement and manage public folder mailboxes, public folders, and public folder permissions, as well as how to create and manage mail-enabled public folders. The module concludes by examining how to monitor and troubleshoot Public Folder-related issues.

Lesson

- Design your public folder hierarchy
- Create and manage public folders
- Troubleshoot public folders

Lab : Implement Public Folders

- Create Public Folders
- Manage Public Folders

9. Manage the hybrid deployment life cycle

In this module you will examine the requirements necessary to implement a hybrid deployment, and you will learn about the features and components that are required when implementing a hybrid deployment. This module examines all planning aspects that are required before running the Hybrid Configuration Wizard. This includes the configuration options of the HCW, as well as the details on Organization Configuration Transfer (OCT) and the Hybrid Agent. The module concludes with a review of the mail flow options for a hybrid deployment. This module also examines Edge Transport servers and their use in hybrid Exchange deployments. You will then learn about the requirements and best practices to configure a hybrid deployment, which is the first step for your Exchange organization, regardless of whether you want to connect your Exchange on-premises and Exchange Online organizations for long-term coexistence or as part of a cloud migration strategy. In this module, you will then examine how to manage a hybrid deployment and implement advanced hybrid functionality. You will cover the features that require a successful hybrid deployment such as Public Folder coexistence or OneDrive for Business attachment storage for on-premises mailboxes. This module concludes with an introduction to troubleshooting techniques for a hybrid deployment. You will learn how to troubleshoot directory synchronization issues including pass-through authentication (PTA) and single sign-on, Exchange transport, and client access troubleshooting as well as mailbox replication service troubleshooting.

Lesson

- Explore Exchange hybrid deployment requirement
- Plan and configure a hybrid deployment using the Hybrid Configuration Wizard
- Provide a gateway for Internet email using Edge Transport servers
- Implement advanced hybrid functionality
- Troubleshoot hybrid deployments

Lab : Prepare Azure AD for Hybrid Synchronization

- Prepare Azure AD for Hybrid Synchronization

Lab : Deploy a Hybrid Environment

- Configure your Hybrid Deployment
- Test your Hybrid Deployment
- Troubleshoot your Hybrid Deployment

10. Manage mailbox migrations

This module examines the options that are available for migrating email to Exchange Online, such as performing a migration or using FastTrack to move mailboxes from your existing mail servers to Exchange Online. This module summarizes the migration and co-existence options and recommends when to use which option. The module then examines the requirements for running an IMAP migration, the migration options that are available, and the steps that are performed during a migration. The module then examines how to plan and perform both a cutover and staged migration. It compares each of these two migration approaches, and you will learn about the requirements, planning activities, and migration process for each option. The module concludes by examining important additional migration tasks, such as cross tenant migrations, migrating a PST file and the considerations for a Public Folder migration.

Lesson

- Plan mailbox migrations
- Run IMAP migrations
- Run cutover and staged migrations
- Run advanced mailbox migrations

Lab : Plan a Mail Migration to Microsoft 365

- Paper-based classroom exercise - Plan a Mail Migration to Microsoft 365

Acreditado:

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