



Administering Microsoft Exchange Server 2016

Course code M203451

Duration 5 Days

This 5-day instructor-led course teaches IT professionals how to administer and support Exchange Server 2016. Students will learn how to install Exchange Server 2016, and how to configure and manage an Exchange Server environment. The course covers how to manage mail recipients and public folders, including how to perform bulk operations using Exchange Management Shell. Students also will learn how to manage client connectivity, message transport and hygiene, how to implement and manage highly available Exchange Server deployments, and how to implement back up and disaster recovery solutions.

The course also teaches students how to maintain and monitor an Exchange Server 2016 deployment. In addition, students will learn how to administer Exchange Online in an Office 365 deployment

Audience profile

This course is primarily intended for people aspiring to become enterprise-level messaging administrators for Exchange Server 2016. IT generalists and help-desk professionals who want to learn about Exchange Server 2016 might also take this course. Students taking this course are expected to have at least two years of experience working in the IT field—typically in the areas of Windows Server administration, network administration, help desk, or system administration. They are not expected to have experience with previous Exchange Server versions.

The secondary audience for this course includes IT professionals who take this course as preparation material for exam 70-345: Designing and Deploying Microsoft Exchange Server 2016, or as part of the requirement for the MCSE: Microsoft Exchange Server 2016 certification.

Outline

Module 1: Deploying Microsoft Exchange Server 2016

This module describes the key features and enhancements in Exchange Server 2016, in addition to the deployment requirements and options.

Lessons

- Overview of Exchange Server 2016
- Requirements and deployment options for Exchange Server 2016

Lab : Deploying Microsoft Exchange Server 2016



- Evaluating requirements and prerequisites for an Exchange Server 2016 installation
- Deploying Exchange Server 2016

Module 2: Managing Microsoft Exchange Server 2016 servers

This module describes the Exchange Server 2016 management tools, the features of a Mailbox server, and how to configure a Mailbox server.

Lessons

- Exchange Server 2016 management
- Overview of the Exchange 2016 Mailbox server
- Configuring Mailbox servers

Lab : Configuring Mailbox servers

- Creating and configuring mailbox databases
- Deploying Exchange Server 2016

Module 3: Managing recipient objects

This module describes the types of recipient objects in Exchange Server 2016, and explains how to manage these objects. The module also describes how to manage address lists and policies on the Mailbox server role.

Lessons

- Exchange Server 2016 recipients
- Managing Exchange Server recipients
- Managing address lists and policies on the Mailbox server role

Lab : Managing email address policies and address book policies

- Managing recipients
- Managing public folder mailboxes
- Managing Exchange Server email address policies
- Managing address lists and address book policies

Lab : Managing recipients and public folder mailboxes

- Managing recipients
- Managing public folder mailboxes
- Managing Exchange Server email address policies
- Managing address lists and address book policies

Module 4: Managing Microsoft Exchange Server 2016 and recipient objects by using Exchange Management Shell

This module provides an overview of the Exchange Management Shell, and describes how to use it to manage Exchange Server 2016.



Lessons

- Overview of the Exchange Management Shell
- Managing Exchange Server 2016 by using Exchange Management Shell

Lab : Managing Exchange Server and recipient objects by using Exchange Management Shell

- Using Exchange Management Shell to manage recipients
- Using Exchange Management Shell to manage Exchange Server

Module 5: Implementing client connectivity

This module describes how to configure and manage Client Access Services in Exchange Server 2016. The module also explains the options for configuring client connectivity, Microsoft Outlook on the web, and mobile messaging.

Lessons

- Configuring client access services in Exchange Server 2016
- Managing client services
- Client connectivity and publishing of Exchange Server 2016 services
- Configuring Outlook on the web
- Configuring mobile messaging on Exchange Server 2016

Lab : Deploying and configuring client access services on Exchange Server

- Configuring certificates for client access
- Configuring client access options
- Configuring custom MailTips
- Configuring Outlook on the web
- Configuring Microsoft Exchange ActiveSync

Lab : Deploying and configuring client access services on Exchange Server 2016

- Configuring certificates for client access
- Configuring client access options
- Configuring custom MailTips
- Configuring Outlook on the web
- Configuring Microsoft Exchange ActiveSync

Module 6: Managing Microsoft Exchange Server 2016 high availability

This module describes the high availability options in Exchange Server 2016. The modules also explains how to configure high availability for Mailbox databases and Client Access Services.

Lessons

- High availability on Exchange Server 2016



- Configuring highly available mailbox databases
- Configuring high availability of client access services.

Lab : Implementing and testing high availability

- Creating and configuring a database availability group
- Deploying a high availability solution for client access services
- Testing the high availability configuration

Lab : Implementing database availability groups

- Creating and configuring a database availability group
- Deploying a high availability solution for client access services
- Testing the high availability configuration

Module 7: Implementing disaster recovery for Microsoft Exchange Server 2016

This module describes the backup and recovery options in Exchange Server 2016.

Lessons

- Implementing Exchange Server 2016 backup
- Implementing Exchange Server 2016 recovery

Lab : Implementing disaster recovery for Exchange Server 2016

- Backing up Exchange Server 2016
- Restoring Exchange Server 2016 data
- Recovering a member of the database availability group (Optional)

Module 8: Configuring message transport

This module provides an overview of message transport, and describes how to configure and manage message transport.

Lessons

- Overview of message transport
- Configuring message transport
- Managing transport rules

Lab : Configuring message transport

- Configuring message transport
- Troubleshooting message delivery
- Configuring transport rules and data loss prevention policies

Module 9: Configuring message hygiene and security

This module describes the key features and functionality of and Edge server in Exchange



Server 2016. The module also explains how to implement an antivirus and anti-spam solution.

Lessons

- Deploying and managing Edge server for message security
- Implementing an antivirus solution for Exchange Server 2016
- Implementing an antispam solution for Exchange Server 2016

Lab : Configuring message security

- Deploying an Exchange Server 2016 Edge server
- Configuring message hygiene features on Exchange Server 2016

Module 10: Implementing and managing Microsoft Exchange Online deployments

This module describes the key features of Exchange Online and Office 365. The module also describes how to manage and migrate to Exchange Online.

Lessons

- Overview of Exchange Online and Office 365
- Managing Exchange Online
- Implementing the migration to Exchange Online

Lab : Managing Exchange Online

- Creating the Office 365 Trial Tenant
- Managing recipient objects and Exchange Server settings in Office 365

Module 11: Monitoring and troubleshooting Microsoft Exchange Server 2016

This module describes how to monitor and troubleshoot Exchange Server 2016.

Lessons

- Monitoring Exchange Server 2016
- Troubleshooting Exchange Server 2016

Lab : Monitoring and troubleshooting Exchange Server 2016

- Monitoring Exchange Server
- Troubleshooting database availability
- Troubleshooting client access service

Module 12: Securing and maintaining Exchange Server 2016

This module describes how to plan and configure administrative security and administrative auditing in Exchange Server 2016.



Lessons

- Securing Exchange Server with role-based access control
- Configuring audit logging on Exchange Server 2016
- Maintaining Exchange Server 2016

Lab : Securing and maintaining Exchange Server 2016

- Configuring Exchange Server permissions
- Configuring audit logging
- Maintaining updates on Exchange Server 2016.