

KOENIG SOLUTIONS • COURSE OUTLINE

Administering Microsoft Exchange Server 2016

Learn to deploy, configure and manage Exchange Server 2016, from mailbox databases and client access to high availability and security.

5 Days

40 HOURS

12

MODULES

35

TOPICS

34

HANDS-ON ACTIVITIES

COURSE OVERVIEW

The Administering Microsoft Exchange Server 2016 course is designed for IT professionals who are aspiring to be enterprise-level messaging administrators. It focuses on teaching participants how to administer Exchange Server 2016, including how to install, configure, and manage an Exchange Server environment. Through this course, learners will gain a thorough understanding of Exchange Server deployment, management, and troubleshooting. Learners will delve into core topics such as Mailbox databases, Client connectivity, High availability, disaster recovery, Message transport, and Security, as well as how to manage Exchange Online in an Office 365 deployment. The lessons are structured to provide hands-on experience and real-world skills that translate directly to on-the-job duties. By completing this course, participants will be well-equipped to maintain and secure Exchange Server 2016 and will have the foundational knowledge to support and manage Exchange Server environments effectively. This knowledge is crucial for IT professionals aiming to ensure the smooth operation of their organization's messaging infrastructure.

Who Should Attend

The Administering Microsoft Exchange Server 2016 course is designed for IT professionals who want to learn about managing and deploying Exchange Server 2016.

IT professionals responsible for the Exchange Server 2016 messaging environment

Systems administrators tasked with maintaining Exchange Server 2016

Network engineers who support Exchange Server deployments

Helpdesk and technical support staff who assist with Exchange Server issues

IT generalists who require knowledge of Exchange Server 2016 for cross-functional roles

Messaging administrators in enterprise environments

IT consultants and specialists who design and implement messaging solutions for various clients

Professionals preparing for Microsoft certification exams related to Exchange Server

Security administrators who manage and secure Exchange Server environments

Infrastructure architects involved in planning and designing messaging solutions

Technical professionals looking to upgrade their skills from previous versions of Exchange Server

LEARNING OBJECTIVES

- Deploy Exchange Server 2016 based on requirements and options
- Configure mailbox servers and manage mailbox databases
- Manage recipient objects, address lists and policies
- Administer Exchange Server using Exchange Management Shell scripts
- Configure client access, Outlook on the web and mobile messaging
- Implement high availability and disaster recovery for mailbox databases
- Configure message transport, transport rules and DLP policies
- Secure and maintain Exchange Server using RBAC and audit logging

12 Modules, 35 Topics

01

2 Activities

Deploying Microsoft Exchange Server 2016

This module describes the key features and enhancements in Exchange Server 2016. The module also describes the deployment requirements and options for implementing Exchange Server 2016.

TOPICS

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

02

Activity

Managing Microsoft Exchange Server 2016 Servers

This module describes the built-in management tools that you can use to manage and maintain Exchange Server 2016. The module also explains the features and functionality of a Mailbox server role and procedures for configuring a Mailbox server.

TOPICS

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

03

2 Activities

2 Activities

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.

TOPICS

Exchange Server 2016 recipients · Managing Exchange Server recipients · Configuring address lists and policies

04

2 Activities

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 configuration and recipient objects.

TOPICS

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

05**3 Activities****3 Activities**

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.

TOPICS

- 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

06**Activity****2 Activities**

Managing High Availability in Exchange Server 2016

This module describes the high availability options built into Exchange Server 2016. The module also explains how to configure high availability for Mailbox databases and Client Access services.

TOPICS

- High availability on Exchange Server 2016
- Configuring highly available mailbox databases
- Configuring high availability of Client Access services

07**Activity****2 Activities**

Implementing Disaster Recovery for Microsoft Exchange Server 2016

This module describes the backup and recovery options in Exchange Server 2016 and explains the factors you must consider when you use these options.

TOPICS

Implementing Exchange Server 2016 backup · Implementing Exchange Server 2016 recovery

08**4 Activities**

Configuring and Managing Message Transport

This module provides an overview of message transport, and describes how to configure message transport. The module also describes how to configure transport rules and DLP policies to manage message transport.

TOPICS

Overview of message transport · Configuring message transport · Managing transport rules

Configuring Antivirus, Antispam, and Malware Protection

This module describes the key features and functionality of an Edge Transport server role in Exchange Server 2016. The module also explains how to configure message security by implementing an antivirus and antispam solution.

TOPICS

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

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.

TOPICS

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

Monitoring and Troubleshooting Microsoft Exchange Server 2016

This module describes how to monitor and troubleshoot Exchange Server 2016. The module explains how to collect and analyze performance data for various Exchange Server recipients and objects. The module also describes how to troubleshoot database issues, connectivity issues, and performance issues.

TOPICS

Monitoring Exchange Server 2016 · Troubleshooting Exchange Server 2016

Securing and Maintaining Exchange Server 2016

This module describes how to maintain and update an Exchange Server organization. The module explains how to plan and configure administrative security and administrative auditing in Exchange Server 2016.

TOPICS

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

Practise What You Learn

#	MODULE	ACTIVITY
01	Deploying Microsoft Exchange Server 2016	LAB: DEPLOYING MICROSOFT EXCHANGE SERVER 2016 - Evaluating requirements and prerequisites for an Exchange Server 2016 installation - Deploying Exchange Server 2016
02	Managing Microsoft Exchange Server 2016 Servers	Lab: Configuring Mailbox Servers: Creating and configuring mailbox databases
03	Managing Recipient Objects	LAB: MANAGING EXCHANGE SERVER RECIPIENTS AND PUBLIC FOLDERS - Managing recipients - Managing public folder mailboxes LAB: MANAGING EXCHANGE SERVER EMAIL ADDRESS LISTS AND POLICIES - Managing email-address policies - Managing address lists and address book policies
04	Managing Microsoft Exchange Server 2016 and Recipient Objects 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
05	Implementing Client Connectivity	LAB: DEPLOYING AND CONFIGURING CLIENT ACCESS SERVICES ON EXCHANGE SERVER 2016 - Configuring certificates for client access - Configuring client access options - Configuring custom MailTips LAB: DEPLOYING AND CONFIGURING CLIENT ACCESS SERVICES ON EXCHANGE SERVER - Configuring Exchange Server 2016 for Outlook - Configuring Outlook on the web - Configuring Microsoft Exchange ActiveSync
06	Managing High Availability in Exchange Server 2016	Lab: Implementing DAGs: Creating and configuring a database availability group LAB: IMPLEMENTING AND TESTING HIGH AVAILABILITY - Deploying a high availability solution for client access services - Testing the high availability configuration
07	Implementing Disaster Recovery for Microsoft Exchange Server 2016	Lab: Backing up Exchange Server 2016: Backing up Exchange Server 2016 LAB: IMPLEMENTING DISASTER RECOVERY FOR EXCHANGE SERVER 2016 - Restoring Exchange Server 2016 data - Restore an Exchange Server DAG member (optional)

#	MODULE	ACTIVITY
08	Configuring and Managing Message Transport	LAB: CONFIGURING MESSAGE TRANSPORT ■ Configuring message transport ■ Troubleshooting message delivery ■ Configuring a disclaimer transport rule ■ Configuring a DLP policy for financial data
09	Configuring Antivirus, Antispam, and Malware Protection	LAB: CONFIGURING MESSAGE SECURITY ■ Configuring and testing EdgeSync ■ Configuring antivirus, antispam, and malware protection features on Exchange Server 2016
10	Implementing and Managing Microsoft Exchange Online Deployments	Lab: Managing Exchange Online: Managing Exchange Online
11	Monitoring and Troubleshooting Microsoft Exchange Server 2016	LAB: MONITORING AND TROUBLESHOOTING EXCHANGE SERVER 2016 ■ Monitoring Exchange Server ■ Troubleshooting database availability ■ Troubleshooting client access services
12	Securing and Maintaining Exchange Server 2016	LAB: SECURING AND MAINTAINING EXCHANGE SERVER 2016 ■ Configuring Exchange Server permissions ■ Configuring audit logging ■ Maintaining updates on Exchange Server 2016

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

FLEXIBLE DELIVERY

Learn the Way That Suits You

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Live Online Classes (ILO)

Fly-Me-A-Trainer (FMAT)

Flexi (Self-Paced)

1-on-1 Training

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