



Information Technology

Designing and Deploying Microsoft Exchange Server 2016

Course Introduction

This training course is designed to provide participants with the knowledge to design and implement an Exchange Server 2016 messaging environment. This course will discuss topics on how to design and configure advanced components in an Exchange Server 2016 deployment such as site resiliency, advanced security, compliance, archiving, and discovery solutions. Participants will be able to understand the coexistence with other Exchange organizations or Exchange Online, and migration from previous versions of Exchange Server and provide them guidelines, best practices, and considerations that will help students optimize their Exchange Server deployment.

Target Audience

This training course is designed for IT professionals who are experienced messaging administrators, messaging architects, or consultants. This course is designed for professionals in an enterprise environment who are responsible for designing and deploying Exchange Server 2016 solutions, including environments that contain previous versions of Exchange Server or Exchange Online.

Learning Objectives

- Gain a comprehensive understanding of Exchange Server deployments.
- Plan and deploy Exchange Server 2016 mailbox services, message transport, and client access.
- Design and implement high availability.
- Design message security, messaging archiving and retention, and messaging compliance.
- Design and implement messaging coexistence.
- Upgrade to Exchange Server 2016 and maintain Exchange 2016.
- Plan a hybrid Exchange Server deployment.

Course Outline

- **Day 01**

- Module 1: Planning Exchange Server deployments**

- This module explains the requirements and considerations for planning an Exchange Server deployment.
 - New features in Exchange 2016
 - Gathering business requirements
 - Planning for Exchange Server deployment
 - Designing a Unified Messaging deployment

- Module 2: Planning and deploying Exchange Server 2016 mailbox services**

- This module explains how to plan and deploy Exchange Server hardware, virtualization, mailbox databases, and public folder mailboxes.

- Planning the Exchange Server hardware requirements
- Planning Exchange Server for virtualization and Microsoft Azure integration
- Planning and implementing public folders

• **Day 02**

Module 3: Planning and deploying message transport

- This module explains how to plan and implement mail routing internally from and to the Internet, and transport-related tasks in the organization.
- Designing message routing
- Designing transport services
- Designing the message routing perimeter
- Designing and implementing transport compliance

Module 4: Planning and deploying client access

- This module explains how to plan for client connectivity and client access in Exchange Server 2016. This module also describes how to implement Office Online Server, and the coexistence of SharePoint 2016 with Exchange.
- Planning for Exchange 2016 clients
- Planning for client access
- Planning and implementing Office Online Server
- Planning and implementing the coexistence of SharePoint 2016 with Exchange
- Designing external client access

Module 5: Designing and implementing high availability

- This module explains how to design and implement a highly available solution for Exchange Server 2016.
- Planning high availability for Exchange Server 2016
- Planning for load balancing
- Planning for site resilience

• Day 03

Module 6: Maintaining Exchange 2016

- This module explains how to maintain Exchange Server 2016 using managed availability and desired state configuration.
- Using managed availability to improve high availability
- Implementing desired state configuration

Module 7: Designing messaging security

- This module explains how to plan for messaging security and design and implement Active Directory Rights Management Services (AD RMS) in an Exchange organization.
- Planning messaging security
- Designing and implementing AD RMS and Azure RMS integration

Module 8: Designing messaging archiving and retention

- This module explains how to plan for archiving and message retention.
- Messaging records management and archiving overview
- Designing in-place archiving
- Designing and implementing message retention

• Day 04

Module 9: Designing messaging compliance

- This module explains how to plan for and implement several Exchange features to help minimize data loss and monitor email traffic and content.
- Designing and implementing data loss prevention (DLP) policies
- Designing and implementing In-Place Hold
- Designing and implementing In-Place eDiscovery

Module 10: Designing and implementing messaging coexistence

- This module explains how to plan and implement federation, design coexistence between Exchange organizations, and design and move mailboxes between different forests and Exchange organizations.
- Designing and implementing federation
- Designing coexistence between Exchange organizations
- Designing and implementing cross-forest mailbox moves

• Day 05

Module 11: Upgrading to Exchange Server 2016

- This module explains how to plan and implement an upgrade from Exchange Server 2013 or Exchange Server 2010 to Exchange Server 2016.
- Planning an upgrade from previous Exchange Server versions
- Implementing the upgrade from previous Exchange Server versions

Module 12: Planning a hybrid Exchange Server deployment

- This module explains how to plan and implement a hybrid deployment for Exchange Server 2016.
- Basics of a hybrid deployment
- Planning and implementing a hybrid deployment

- Implementing advanced functionality for hybrid deployments

Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
May 26, 2025	May 30, 2025	5 days	4250.00 \$	UAE - Dubai
Aug. 4, 2025	Aug. 8, 2025	5 days	5950.00 \$	Switzerland - Zurich
Dec. 22, 2025	Dec. 26, 2025	5 days	4250.00 \$	UAE - Abu Dhabi