



Information Technology

# Administering Microsoft Exchange Server 2016

## Course Introduction

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This training course is designed to provide participants with the fundamental concepts on how to administer and support Exchange Server. The course covers how install and configure Exchange Server. It also covers how to manage mail recipients and public folders, including how to perform bulk operations by using Exchange Management Shell. In addition, the course covers how to manage client connectivity, message transport and hygiene, and highly available Exchange Server deployments. It also covers how to implement disaster recovery solutions. Finally, the course covers how to maintain and monitor an Exchange Server deployment and how to administer Exchange Online in a Office 365 deployment.

## Target Audience

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This training course is designed for enterprise-level messaging administrators on Exchange Server. IT generalists and helpdesk professionals who want to learn about Exchange Server may also take this course.

## Learning Objectives

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- Deploy Exchange Server.
- Plan and configure storage for Exchange Server.
- Create and manage various recipient objects in Exchange Server.
- Perform recipient management and Exchange server management tasks by using Exchange Server cmdlets.
- Deploy Client Access services in Exchange Server.
- Manage high availability in Exchange Server.

- Implement disaster recovery for Exchange Server.
- Configure and manage message transport in Exchange Server.
- Configure message security in Exchange Server.
- Monitor and troubleshoot Exchange Server.
- Configure Exchange Server role-based access control permissions and configure audit logging for both administrators and users.
- Implement and manage integration with Exchange Online.

## Course Outline

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### • Day 01

#### **Module 1: Deploying Exchange Server**

- This module explains the key features and architecture of Exchange Server. It also explains the prerequisites and requirements for deploying Exchange Server. Additionally, it explains how to use the Exchange admin center and the Exchange management shell to manage Exchange Server.
- Overview of Exchange Server
- Exchange Server architecture
- Requirements for Exchange Server
- Deploying Exchange Server Exchange Server
- Exchange Server Management Tools

#### **Module 2: Managing Exchange Server 2016 storage**

- This module explains the features of Exchange Server mailbox databases and the storage options available for Exchange Server. It also explains how to configure Exchange Server mailbox databases and storage.
- Exchange Server mailbox databases
- Exchange Server storage
- Configuring Exchange Server mailbox databases and storage

### • Day 02

### **Module 3: Managing recipient objects**

- This module explains how to manage the user, shared, resource, public folder, arbitration mailboxes in Exchange Server. It also explains how to manage contacts, mail users, and distribution groups in Exchange Server. Finally, it explains how to configure address lists and email address and address book policies in Exchange Server.
- Managing user mailboxes
- Managing other types of mailboxes
- Managing other recipients objects
- Configuring policies and address lists

### **Module 4: Managing recipients and Exchange servers by using Exchange Server cmdlets**

- This module describes how to manage recipients by using Exchange Server cmdlets. It also explains how to manage Exchange servers by using Exchange Server cmdlets and scripts.
- Overview of the Exchange Management Shell
- Managing Exchange Servers by using Exchange Management Shell cmdlets
- Managing Exchange servers by using scripts

### **Module 5: Implementing client connectivity**

- This module explains how to configure and manage client access services in Exchange Server. It also explains the client connectivity options for Exchange Server and how to configure Outlook on the web. Additionally, it explains how to configure mobile messaging for Exchange Server.
- Configuring client access services
- Managing client access services
- Client connectivity in Exchange Server
- Configuring Outlook on the web
- Configuring mobile messaging

## **Module 6: Managing high availability in Exchange Server**

- This module describes the high availability options for Exchange Server. It also explains how to configure highly available mailbox databases and Client Access services by using load balancing methods.
- High availability on Exchange Server
- Configuring highly available mailbox databases
- Configuring high availability of Client Access services

## **Module 7: Implementing disaster recovery for Exchange Server**

- This module describes Exchange Server backup and restore features and the details that you need to consider when you create a backup plan.
- Implementing Exchange Server backup
- Implementing Exchange Server recovery

## **Module 8: Configuring and managing message transport**

- This module explains messaging transport in Exchange Server. It also explains how to configure message transport in Exchange Server and manage transport rules in Exchange Server.
- Overview of message transport
- Configuring message transport
- Managing transport rules

### **• Day 04**

## **Module 9: Configuring message security**

- This module describes how to deploy and manage an Edge Transport server for message security. It also explains how to implement antivirus and antispam solutions for Exchange Server.
- Deploying and managing an Edge Transport server for message security
- Implementing an antivirus solution for Exchange Server
- Implementing an antispam solution for Exchange Server

## **Module 10: Monitoring and troubleshooting Exchange Server**

- This module explains how to configure performance monitoring and troubleshoot issues in Exchange Server.
- Monitoring Exchange Server
- Troubleshooting Exchange Server

### **• Day 05**

## **Module 11: Securing and maintaining Exchange Server**

- This module explains how to secure Exchange Server by using role-based access control (RBAC). It also explains how to configure audit logging in Exchange Server and how to maintain and update Exchange Server.
- Securing Exchange Server by using RBAC
- Configuring audit logging in Exchange Server
- Maintaining Exchange Server

## **Module 12: Implementing and managing Exchange Online deployments**

- This module explains Exchange Online and Office 365 and how to manage it. It also explains how to implement a migration to Exchange Online.
- Overview of Exchange Online and Office 365
- Managing Exchange Online
- Implementing the migration to Exchange Online
- Managing a hybrid environment

# Confirmed Sessions

| FROM          | TO             | DURATION | FEES       | LOCATION             |
|---------------|----------------|----------|------------|----------------------|
| April 7, 2025 | April 11, 2025 | 5 days   | 4250.00 \$ | UAE - Dubai          |
| July 7, 2025  | July 11, 2025  | 5 days   | 5950.00 \$ | switzerland - Geneva |
| Oct. 11, 2025 | Oct. 15, 2025  | 5 days   | 4250.00 \$ | UAE - Dubai          |