

20345-1 Administering Microsoft Exchange Server 2016/2019

Overview

This course teaches IT professionals how to administer and support Exchange Server. The course covers how to 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.

Prerequisite Comments

Before attending this course, students must have: A minimum two years of experience administering Windows Server, including Windows Server 2012 R2 or Windows Server 2016; A minimum two years experience working with active Directory Domain Services (AD DS). A minimum two years of experience working with name resolution including Domain Name System (DNS); Understanding of TCP/IP and networking concepts; Understanding of Windows Server 2012 R2 or later, and AD DS, including planning, designing, and deploying; Understanding of security concepts such as authentication and authorization; Understanding of Simple Mail Transfer Protocol (SMTP); Working knowledge of public key infrastructure (PKI) technologies, including Active Directory Certificate Services (AD CS).

In addition to their professional experience, students who attend this training should already have the following technical knowledge:

Minimum of two years of experience administering Windows Server.

Minimum of two years of experience working with Active Directory Domain Services (AD DS).

Minimum of two years of experience working with name resolution, including Domain Name System (DNS).

Understanding of TCP/IP and networking concepts.

Understanding of security concepts such as authentication and authorization.

Understanding of Simple Mail Transfer Protocol (SMTP).

Working knowledge of public key infrastructure (PKI) technologies, including Active Directory Certificate Services (AD CS).

[Register Online](#)

Schedule

Class Length: 5 Days

G2R = "Guaranteed to Run" | OLL = "Online LIVE"
ILT = "Instructor-Led-Training" | HDL = "Hosted Distance Learning"

12/14/20	G2R	8:00AM - 4:00PM	HDL - All Locations (Pacific Time)	HDL	\$2,975.00
12/14/20	G2R	8:00AM - 4:00PM	Online LIVE - Remote Learning (Pacific Time)	OLL	\$2,975.00
01/04/21	G2R	6:00AM - 2:00PM	Online LIVE - Remote Learning (Pacific Time)	OLL	\$2,975.00
01/04/21	G2R	6:00AM - 2:00PM	HDL - All Locations (Pacific Time)	HDL	\$2,975.00
03/01/21	G2R	6:00AM - 2:00PM	HDL - All Locations (Pacific Time)	HDL	\$2,975.00
03/01/21	G2R	6:00AM - 2:00PM	Online LIVE - Remote Learning (Pacific Time)	OLL	\$2,975.00
05/10/21	G2R	8:00AM - 4:00PM	HDL - All Locations (Pacific Time)	HDL	\$2,975.00
05/10/21	G2R	8:00AM - 4:00PM	Online LIVE - Remote Learning (Pacific Time)	OLL	\$2,975.00

Target Audience

The audience for this course includes enterprise-level messaging administrators on Exchange Server. IT generalists and helpdesk professionals who want to learn about Exchange Server may 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, helpdesk, or system administration. They are also expected to have some experience with Exchange Server concepts but previous experience managing Exchange Server is not a requirement.

Course Objectives

After completing this course, students will be able to:

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

1 - Deploying Microsoft Exchange Server 2016

Overview of Exchange Server
Exchange Server architecture
Requirements for Exchange Server
Deploying Exchange Server Exchange Server
Exchange Server Management Tools
Lab : Deploying Exchange Server

2 - Managing Exchange Server 2016 storage

Exchange Server mailbox databases
Exchange Server storage
Configuring Exchange Server mailbox databases and storage
Lab : Configuring Exchange Server storage

3 - Managing recipient objects

Managing user mailboxes
Managing other types of mailboxes
Managing other recipients objects
Configuring policies and address lists
Lab : Managing recipient objects
Lab : Configuring address lists and policies

4 - Managing recipients and Exchange servers by using Exchange Server cmdlets

Overview of the Exchange Management Shell
Managing Exchange Servers by using Exchange Management Shell cmdlets
Managing Exchange servers by using scripts
Lab : Managing Exchange Server and recipient objects by using Exchange Management Shell

5 - Implementing client connectivity

Configuring client access services
Managing client access services
Client connectivity in Exchange Server
Configuring Outlook on the web
Configuring mobile messaging
Lab : Configuring client access services
Lab : Deploying and configuring client access services on Exchange Server

6 - Managing high availability in Exchange Server

High availability on Exchange Server
Configuring highly available mailbox databases
Configuring high availability of Client Access services
Lab : Implementing DAGs
Lab : Implementing and testing high availability

7 - Implementing disaster recovery for Exchange Server

Implementing Exchange Server backup
Implementing Exchange Server recovery
Lab : Backing up Exchange Server data
Lab : Restoring Exchange Server data

8 - Configuring and managing message transport

Overview of message transport
Configuring message transport
Managing transport rules
Lab : Configuring and managing message transport

9 - Configuring message security

Deploying and managing an Edge Transport server for message security
Implementing an antivirus solution for Exchange Server
Implementing an antispam solution for Exchange Server
Lab : Configuring message security in Exchange Server

10 - Monitoring and troubleshooting Exchange Server

Monitoring Exchange Server
Troubleshooting Exchange Server
Lab : Monitoring and troubleshooting Exchange Server

11 - Securing and maintaining Exchange Server

Securing Exchange Server by using RBAC
Configuring audit logging in Exchange Server
Maintaining Exchange Server
Lab : Securing and maintaining Exchange Server

12 - Implementing and managing Exchange Online deployments

Overview of Exchange Online and Office 365
Managing Exchange Online
Implementing the migration to Exchange Online
Managing a hybrid environment
Lab : Managing Exchange Online
