

## 20345-1 Administering Microsoft Exchange Server 2016

### Overview

This course teaches IT professionals how to administer and support Exchange Server 2016. The course also teaches students how to maintain and monitor an Exchange Server 2016 deployment.

### Prerequisite Comments

Before attending this course, students must have: A minimum two years of experience administering Windows Server, including Windows Server 2012 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).

### Target Audience

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.

### Course Objectives

After completing this course, students will be able to:

- Perform deployment and basic management of Exchange Server 2016.
- Manage Exchange Server 2016.
- Create and manage various recipient objects in Exchange Server 2016.
- Use Exchange Management Shell to create and manage various recipient objects in Exchange Server 2016, and perform various tasks to automate Exchange management procedures.
- Configure client connectivity to Exchange Server 2016, and manage Client Access services.
- Implement and manage high availability.
- Implement backup and disaster recovery for Exchange Server 2016.
- Configure message transport options.
- Configure message hygiene and security options.

[Register Online](#)

### Schedule

Class Length: 5 Days

G2R = "Guaranteed to Run"   OLL = "Online LIVE" ILT = "Instructor-Led-Training"					
12/11/18	G2R	2:00PM - 10:00PM	Lisbon, Portugal	OLL	EUR 2975
12/11/18	G2R	2:00PM - 10:00PM	Lisbon, Portugal	OLL	EUR 2975
03/12/18	G2R	2:00PM - 10:00PM	Lisbon, Portugal	OLL	EUR 2975
03/12/18	G2R	2:00PM - 10:00PM	Lisbon, Portugal	OLL	EUR 2975
14/01/19	G2R	2:00PM - 10:00PM	Lisbon, Portugal	OLL	EUR 2975
04/02/19	G2R	4:00PM - 12:00AM	Lisbon, Portugal	OLL	EUR 2975
25/02/19	G2R	2:00PM - 10:00PM	Lisbon, Portugal	OLL	EUR 2975
18/03/19	G2R	1:00PM - 9:00PM	Lisbon, Portugal	OLL	EUR 2975
08/04/19	G2R	2:00PM - 10:00PM	Lisbon, Portugal	OLL	EUR 2975
29/04/19	G2R	2:00PM - 10:00PM	Lisbon, Portugal	OLL	EUR 2975
20/05/19	G2R	2:00PM - 10:00PM	Lisbon, Portugal	OLL	EUR 2975
03/06/19	G2R	4:00PM - 12:00AM	Lisbon, Portugal	OLL	EUR 2975
24/06/19	G2R	2:00PM - 10:00PM	Lisbon, Portugal	OLL	EUR 2975
15/07/19	G2R	2:00PM - 10:00PM	Lisbon, Portugal	OLL	EUR 2975

Implement and manage Exchange Online deployments.  
Monitor and troubleshoot Exchange Server 2016.  
Secure and maintain Exchange Server 2016.

## Course Outline

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### Deploying Microsoft Exchange Server 2016

Overview of Exchange Server 2016  
Requirements and deployment options for Exchange Server 2016  
Lab: Deploying Microsoft Exchange Server 2016

### Managing Microsoft Exchange Server 2016 Servers

Exchange Server 2016 management  
Overview of the Exchange 2016 Mailbox server  
Configuring Mailbox servers  
Lab: Configuring Mailbox servers

### Managing recipient objects

Exchange Server 2016 recipients  
Managing Exchange Server recipients  
Configuring address lists and policies  
Lab: Managing Exchange Server recipients and public folders  
Lab: Managing Exchange Server email address lists and policies

### Managing Microsoft Exchange Server 2016 and recipient objects by using Exchange Management Shell

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

### Implementing client connectivity

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

## **Managing high availability in Exchange Server 2016**

High availability on Exchange Server 2016  
Configuring highly available mailbox databases  
Configuring high availability of Client Access services.  
Lab: Implementing DAGs  
Lab: Implementing and testing high availability

## **Implementing disaster recovery for Microsoft Exchange Server 2016**

Implementing Exchange Server 2016 backup  
Implementing Exchange Server 2016 recovery  
Lab: Backing up Exchange Server 2016  
Lab: Implementing disaster recovery for Exchange Server 2016

## **Configuring and managing message transport**

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

## **Configuring antivirus, antispam, and malware protection**

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  
Lab: Configuring message security

## **Implementing and managing Microsoft Exchange Online deployments**

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

## **Monitoring and troubleshooting Microsoft Exchange Server 2016**

Monitoring Exchange Server 2016  
Troubleshooting Exchange Server 2016  
Lab: Monitoring and troubleshooting Exchange Server 2016

## **Securing and maintaining Exchange Server 2016**

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