



20345-1: Administering Microsoft® Exchange Server 2016

Duration: 5 Days

Method: Instructor-Led

*Certification: Messaging Solutions Expert (MCSE): Microsoft® Exchange Server 2016
— Exam 70-345: Designing and Deploying Microsoft® Exchange Server 2016*

Course Description

This course teaches IT professionals how to administer and support Exchange Server 2016. Candidates will learn how to install Exchange Server 2016, and how to configure and manage an Exchange Server environment. The course covers how to manage mail recipients and public folders, including how to perform bulk operations using Exchange Management Shell. Candidates also will learn how to manage client connectivity, message transport and hygiene, how to implement and manage highly available Exchange Server deployments, and how to implement back up and disaster recovery solutions. It will also teach candidates how to maintain and monitor an Exchange Server 2016 deployment. In addition, candidates will learn how to administer Exchange Online in an Office 365® deployment.

Target Audience

This course is intended for:

- Persons 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

Prerequisites

To attend this course, candidates should have:

- Minimum two years of experience administering Windows Server®, including Windows Server® 2012 R2 or Windows Server® 2016
- Minimum two years of experience working with Active Directory® Domain Services (AD DS)
- 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)



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Course Objectives

Upon successful completion of this course, candidates 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
- Implement and manage Exchange Online deployments
- Monitor and troubleshoot Exchange Server 2016
- Secure and maintain Exchange Server 2016

Course Content

Module 1: Deploying Microsoft® Exchange Server 2016

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

Module 2: Managing Microsoft® Exchange Server 2016 servers

- Exchange Server 2016 management
- Overview of the Exchange 2016 Mailbox server
- Configuring Mailbox servers
- Configure mailbox servers

Module 3: Managing Recipient Objects

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

Module 4: 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

Course Content, *Continued*

Module 5: 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

Module 6: Module 6: 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

Module 7: Implementing Disaster Recovery for Microsoft® Exchange Server 2016

- Implementing Exchange Server 2016 backup
- Implementing Exchange Server 2016 recovery

Module 8: Configuring and Managing Message Transport

- Overview of message transport
- Configuring message transport
- Managing transport rules

Module 9: 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

Module 10: Implementing and Managing Microsoft® Exchange Online Deployments

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

Module 11: Monitoring and Troubleshooting Microsoft® Exchange Server 2016

- Monitoring Exchange Server 2016
- Troubleshooting Exchange Server 2016

Module 12: 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

LABS INCLUDED



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