20345-1: Administering Microsoft Exchange Server 2016 (5 Days)

Overview

This 5-day instructor-led course teaches IT professionals how to administer and support Exchange Server 2016. Students 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. Students 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.

The course also teaches students how to maintain and monitor an Exchange Server 2016 deployment. In addition, students will learn how to administer Exchange Online in an Office 365 deployment.

Who Should Attend

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.

Prerequisites

- 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).

Course Outline

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

Module 3: Managing recipient objects
- Exchange Server 2016 recipients
- Managing Exchange Server recipients
- Managing address lists and policies on the Mailbox server role

Module 4: Managing 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

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: Managing Microsoft Exchange Server 2016 high availability
- 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 message transport
- Overview of message transport
- Configuring message transport
- Managing transport rules

Module 9: Configuring message hygiene and security
- Deploying and managing Edge 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
- Configuring audit logging on Exchange Server 2016
- Maintaining Exchange Server 2016