



Hewlett Packard Enterprise

Course Datasheet

Administering Microsoft Exchange Server 2016 (20345-1A)

Education Services course product number – H0LQ9S

Course length – 5 days

Delivery mode – Instructor Led Training (ILT)

Virtual Instructor Led Training (vILT)

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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.

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.

Prerequisites

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).

Course Objectives

After completing this course, students will be able to:

- Recover data in Windows Servers 2016.
- 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 Modules

- **Module 1: Deploying Microsoft Exchange Server 2016**
This module describes the key features and enhancements in Exchange Server 2016. The module also describes the deployment requirements and options for implementing Exchange Server 2016.
- **Module 2: Managing Microsoft Exchange Server 2016 servers**
This module describes the built-in management tools that you can use to manage maintain and maintain Exchange Server 2016. The module also explains the features and functionality of a Mailbox server role and procedures for configuring a Mailbox server.
- **Module 3: Managing recipient objects**
This module describes the types of recipient objects in Exchange Server 2016, and explains how to manage these objects. The module also describes how to manage address lists and policies on the Mailbox server role.
- **Module 4: Managing Microsoft Exchange Server 2016 and recipient objects by using Exchange Management Shell**
This module provides an overview of the Exchange Management Shell, and describes how to use it to manage Exchange Server 2016 configuration and recipient objects.

- **Module 5: Implementing client connectivity**
This module describes how to configure and manage Client Access Services in Exchange Server 2016. The module also explains the options for configuring client connectivity, Microsoft Outlook on the web, and mobile messaging.
- **Module 6: Managing high availability in Exchange Server 2016**
This module describes the high availability options built into Exchange Server 2016. The module also explains how to configure high availability for Mailbox databases and Client Access services.
- **Module 7: Implementing disaster recovery for Microsoft Exchange Server 2016**
This module describes the backup and recovery options in Exchange Server 2016 and explains the factors you must consider when you use these options.
- **Module 8: Configuring and managing message transport**
This module provides an overview of message transport, and describes how to configure message transport. The module also describes how to configure transport rules and DLP policies to manage message transport.
- **Module 9: Configuring antivirus, antispam, and malware protection**
This module describes the key features and functionality of an Edge Transport server role in Exchange Server 2016. The module also explains how to configure message security by implementing an antivirus and antispam solution.
- **Module 10: Implementing and managing Microsoft Exchange Online deployments**
This module describes the key features of Exchange Online and Office 365. The module also describes how to manage and migrate to Exchange Online.
- **Module 11: Monitoring and troubleshooting Microsoft Exchange Server 2016**
This module describes how to monitor and troubleshoot Exchange Server 2016. The module explains how to collect and analyze performance data for various Exchange Server recipients and objects. The module also describes how to troubleshoot database issues, connectivity issues, and performance issues.
- **Module 12: Securing and maintaining Exchange Server 2016**
This module describes how to maintain and update an Exchange Server organization. The module explains how to plan and configure administrative security and administrative auditing in Exchange Server 2016.