

# Designing and Deploying Microsoft Exchange Server 2016, On Demand 20345-2

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Seminar	Zurzeit keine Termine	Teilnahmebescheinigung
E-Learning	40 Unterrichtseinheiten	

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Seminarnummer: 29455 | Herstellernummer: OD20345-2

Stand: 12.04.2026. Alle aktuellen Informationen finden Sie unter <https://akademie.tuv.com/s/29455>

Dies ist ein online On Demand Selbstlernprodukt zum MS Exchange Server 2016.

This course provides experienced Exchange Server administrators with the knowledge to design and implement an Exchange Server 2016 messaging environment.

## Nutzen

After completing this course, students will be able to:

- Plan for Exchange Server deployments.
- Plan and deploy Exchange Server 2016 Mailbox services.
- Plan and deploy message transport.
- Plan and deploy client access.
- Design and implement high availability.
- Maintain Exchange Server 2016.
- Design messaging security.
- Design and implement message retention.
- Design messaging compliance.
- Design and implement messaging coexistence.
- Upgrade to Exchange Server 2016.
- Plan a hybrid Exchange Server deployment.

## Zielgruppe

This course is intended for IT professionals who are experienced messaging administrators, messaging architects, or consultants. This course is designed for professionals in an enterprise environment who are

responsible for designing and deploying Exchange Server 2016 solutions, including environments that contain previous versions of Exchange Server or Exchange Online. Students are expected to have experience with Exchange Server 2016 or previous versions of Exchange Server. This course is also intended as preparation material for IT professionals who are looking to take the 70-345: Designing and Deploying Microsoft Exchange Server 2016 exam as part of the requirement for the MCSE: Microsoft Exchange Server 2016 certification.

## Voraussetzungen

Before attending this course, students must have:

- Attended course 20345-1: Administering Exchange Server 2016, or the On Demand OD20345-1 or have equivalent knowledge.
- experience working with any version of Exchange Server 2013 or 2016.
- experience administering the Windows Server 2012 R2 or 2016.
- experience working with Active Directory Domain Services (AD DS).
- experience working with name resolution, including Domain Name System (DNS).
- Experience working with certificates, including public key infrastructure (PKI) certificates.
- Experience working with Windows Powershell.

## Inhalte des Seminars

Module 1: Planning Exchange Server 2016 deployments This module explains the requirements and considerations for planning an Exchange Server deployment. Lessons

- New features in Exchange Server 2016
- Gathering business requirements for an Exchange Server 2016 deployment
- Planning for an Exchange Server deployment
- Designing a Unified Messaging (UM) deployment

Lab : Planning Exchange Server 2016 deployments

- Evaluating an existing messaging infrastructure
- Identifying requirements
- Discussion: Deployment design for Exchange Server 2016

Module 2: Planning and deploying Exchange Server 2016 Mailbox services This module explains how to plan and deploy Exchange Server hardware, virtualization, mailbox databases, and public folders. Lessons

- Planning Exchange Server hardware requirements
- Planning Exchange Server for virtualization and Microsoft Azure integration
- Planning and implementing public folders

Lab : Planning and implementing Exchange virtualization, mailbox databases, and public folders

- Planning for virtualization
- Planning for mailbox databases
- Implementing mailbox databases

- Planning and implementing public folders

Module 3: Planning and deploying message transport This module explains how to plan and implement mail routing internally from and to the Internet, and transport-related tasks in the organization. Lessons

- Designing message routing
- Designing transport services
- Designing the message-routing perimeter
- Designing and implementing transport compliance

Lab : Planning and deploying message transport

- Planning for a redundant and secure message transport
- Planning for transport compliance
- Implementing transport compliance

Module 4: Planning and deploying client access This module explains how to plan for client connectivity and client access in Exchange Server 2016. This module also describes how to implement Microsoft Office Online Server, and the coexistence of SharePoint 2016 with Exchange. Lessons

- Planning for Exchange Server 2016 clients
- Planning for client access
- Planning and implementing Office Online Server
- Planning and implementing coexistence of SharePoint 2016 with Exchange
- Designing external client access

Lab : Planning and deploying client access solutions

- Planning and configuring namespaces
- Planning and configuring client access services options
- Planning and deploying Office Online Server
- Planning and implementing reverse proxy

Module 5: Designing and implementing high availability This module explains how to design and implement a highly available solution for Exchange Server 2016. Lessons

- Planning high availability for Exchange Server 2016
- Planning for load balancing
- Planning for site resilience

Lab : Designing and implementing site resiliency

- Creating a lag database copy
- Recovering data from a lagged database copy
- Implementing site resilience
- Validating site resilience

Module 6: Maintaining Exchange Server 2016 This module explains how to maintain Exchange Server 2016 using Managed Availability and Desired State Configuration (DSC). Lessons

- Using Managed Availability to improve high availability
- Implementing DSC

Lab : Maintaining Exchange Server 2016

- Using Windows PowerShell to investigate and configure Managed Availability
- Implementing DSC

Module 7: Designing messaging security This module explains how to plan for messaging security and design and implement Active Directory Rights Management Services (AD RMS) and Azure RMS in an Exchange Server organization. Lessons

- Planning messaging secur

## Wichtige Hinweise

MOC On Demand Trainings sind original Microsoft Trainings, in denen Sie zeit- und ortsungebunden lernen können. Diese Trainings enthalten:

- Zugang zum offiziellen Microsoft Video on Demand Kurs für 90 Tage ab dem ersten Zugriff.
- Einen Lab-Online-Zugang für praktische Übungen, der ab Kauf 6 Monate gültig ist.
- Eine originale MOC Schulungsunterlage in digitaler Form, wie sie auch in den Live-Trainings eingesetzt wird.

Weitere Details entnehmen Sie unserer MOC On Demand Landingpage unter [www.tuv.com/Microsoft](http://www.tuv.com/Microsoft)

## Terminübersicht und Buchung

Buchen Sie Ihren Wunschtermin jetzt direkt online unter <https://akademie.tuv.com/s/29455> und profitieren Sie von diesen Vorteilen:

- Schneller Buchungsvorgang
- Persönliches Kundenkonto
- Gleichzeitige Buchung für mehrere Teilnehmer:innen

Alternativ können Sie das Bestellformular verwenden, um via Fax oder E-Mail zu bestellen.