

# Upgrading Your Skills to MCSA Windows Server 2012, On Demand 20417

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Seminar	Zurzeit keine Termine	Teilnahmebescheinigung
E-Learning	40 Unterrichtseinheiten	

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Seminarnummer: 29415 | Herstellernummer: OD20417

Stand: 23.04.2026. Alle aktuellen Informationen finden Sie unter <https://akademie.tuv.com/s/29415>

Get hands-on instruction and practice configuring and implementing new features and functionality in Windows Server 2012, including Windows Server 2012 R2, in this On Demand online Course. This course is designed for IT professionals who want to upgrade their existing Windows Server technical skills. Details zu MOC On Demand Trainings finden Sie unter den Hinweisen weiter unten.

## Nutzen

In dieser MOC on Demand Version ist eine original MOC Unterlage in digitaler Form enthalten.

After completing this course, students will be able to:

- Install and configure Windows Server 2012.
- Manage Windows Server 2012 by using Windows PowerShell®.
- Manage storage in Windows Server 2012.
- Implement network services.
- Implement Remote Access.
- Implement Failover Clustering.
- Implement Hyper-V.
- Implement Failover Clustering with Hyper-V.
- Implementing secure data access for users and devices.
- Implement Active Directory® Domain Services (AD DS).
- Implement Active Directory Federation Services (AD FS).
- Monitor and maintain Windows Server 2012.

# Zielgruppe

This course is intended for Information Technology (IT) Professionals who are experienced Windows Server system administrators who are familiar with carrying out day to day Windows Server management and maintenance tasks. The course will update their skill to Windows Server 2012 and Windows Server 2012 R2. Candidates suitable for this course would be: Experienced Windows Server Administrators who have real world experience working in a Windows Server enterprise environment. IT professionals who have obtained the MCSA: Windows Server 2008 , or a qualifying upgradeable certification, details of which are available here, or have equivalent knowledge.

# Voraussetzungen

Before attending this course, students must have:

- Experience with day-to-day Windows Server system administration, management and maintenance tasks in an Enterprise environment

Note: It is possible to take this course without having the qualifying upgradeable certification once the criteria of equivalent knowledge is met. However, subsequent taking and passing of the 70-417 upgrade exam will not provide the exam taker with the MCSA: Windows Server 2012 credential. This credential upgrade is exclusively for holder the holders of existing qualifying upgradeable certification, details of which are available in the URL listed above.

# Inhalte des Seminars

Module 1:

Installing and Configuring Servers Based on Windows Server 2012 This module covers the installation and initial configuration and management of Windows Server 2012. It also explains how to configure remote management in Windows Server 2012.

Lessons

- Installing Windows Server 2012
- Configuring Windows Server 2012
- Configuring Remote Management for Windows Server 2012 Servers

Lab : Installing and Configuring Servers Based on Windows Server 2012

Module 2:

Monitoring and Maintaining Windows Server 2012 This module covers monitoring and maintenance tasks when managing Windows Server 2012. It also explains the options for backup in Windows Server 2012 including Windows Server Backup and Microsoft Online Backup. It also describes server and data recovery options.

Lessons

- Monitoring Windows Server 2012

- Implementing Windows Server Backup
- Implementing Server and Data Recovery

Lab : Monitoring and Maintaining Windows Server 2012

Module 3:

Managing Windows Server 2012 by Using Windows PowerShell 3.0 This module explains the features and functionality of Windows PowerShell 3.0. It also describes managing Windows Server 2012 servers and AD DS with Windows PowerShell.

Lessons

- Overview of Windows PowerShell 3.0
- Using Windows PowerShell 3.0 to Manage AD DS
- Managing Servers by Using Windows PowerShell 3.0

Lab : Managing Servers Running Windows Server 2012 by Using Windows PowerShell 3.0

Module 4:

Managing Storage for Windows Server 2012 This module describes new storage features in Windows Server 2012 such as data deduplication, thin provisioning and trim storage, File Server Resource Manager, and Resilient File System (ReFS). The module also describes iSCSI and storage spaces as well as how to implement BranchCache.

Lessons

- New Features in Windows Server 2012 Storage
- Configuring iSCSI Storage
- Configuring Storage Spaces in Windows Server 2012
- Configuring BranchCache in Windows Server 2012

Lab : Implementing BranchCache

Lab : Managing Storage for Servers Based on Windows Server 2012

Module 5:

Implementing Network Services This module describes the new features in DNS and DHCP in Windows Server 2012. It also explains how to implement IP Address Management (IPAM) and Network Access Protection (NAP) with VPN, IPsec, DHCP, and 802.1x.

Lessons

- Implementing DNS and DHCP Enhancements
- Implementing IP Address Management
- NAP Overview
- Implementing NAP

Lab : Implementing Network Services

## Module 6:

Implementing DirectAccess This module describes the new features and functionality with DirectAccess in Windows Server 2012. It also explains how to implement and configure various components of DirectAccess such as AD DS and DNS. It also discusses the Name Resolution Policy table (NRPT) and the client-side requirements for Windows 7 and Windows 8.

### Lessons

- Overview of DirectAccess
- Installing and Configuring DirectAccess Components

Lab : Implementing DirectAccess

## Module 7:

Implementing Failover Clustering This module describes new features and functionality in Failover Clustering in Windows Server 2012. It also explains how to implement Failover Clustering and how to configure specific server roles in a cluster, such as a File Server. It also explains new maintenance features such as Cluster Aware Updating (CAU).

### Lessons

- Overview of Failover Clustering
- Implementing a Failover Cluster
- Configuring Highly-Available Applications and Services on a Failover Cluster
- Maintaining a Failover Cluster

## 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/29415> 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.