# Configuring Advanced Windows Server 2012 services, On Demand 20412

Seminar | Zurzeit keine Termine | Teilnahmebescheinigung

E-Learning | 40 Unterrichtseinheiten

Seminarnummer: 29410 | Herstellernummer: OD20412

Stand: 13.03.2026. Alle aktuellen Informationen finden Sie unter https://akademie.tuv.com/s/29410

Get hands-on instruction and practice configuring advanced Windows Server 2012, including Windows Server 2012 R2, services in this MOC On-Demand course.

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.

This course maps directly to and is the preferred choice for hands-on preparation for Microsoft Certified Solutions Associate (MCSA): Exam 412: Configuring Advanced Windows Server 2012 Services, which is the third of three exams required for MCSA: Windows Server 2012 credential.

After completing this course, students will be able to:

- Configure advanced features for Dynamic Host Configuration Protocol (DHCP), Domain Name System (DNS), and configure IP Address Management (IPAM) with Windows Server 2012.
- Configure and manage iSCSI, BranchCache and FSRM.
- Configure DAC to manage and audit access to shared files.
- Plan and implement an AD DS deployment that includes multiple domains and forests.
- Plan and implement an AD DS deployment that includes locations.
- Implement and configure an Active Directory Certificate Services (AD CS) deployment.
- Implement an AD RMS deployment.
- Implement an AD FS deployment.
- Provide high availability and load balancing for web-based applications by implementing Network Load Balancing (NLB).
- Implement and validate high availability and load balancing for web-based applications by implementing NLB.

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- Provide high availability for network services and applications by implementing failover clustering.
- Implement a failover cluster, and configure and validate a highly available network service.
- Deploy and manage Hyper-V virtual machines in a failover cluster.
- Implement a backup and disaster recovery solution based on business and technical requirements.

Note: Labs in this course are based on Windows Server 2012 R2 and Windows 8.1.

## Zielgruppe

This course is intended for Information Technology (IT) Professionals with hands on experience implementing, managing and maintaining a Windows Server 2012 or Windows Server 2012 R2 environment who wish to acquire the skills and knowledge necessary to perform advanced management and provisioning of services within that Windows Server 2012 environment. Candidates who would typically be interested in attending this course will be: Experienced Windows Server Administrators who have real world experience working in a Windows Server 2008 or Windows Server 2012 enterprise environment.IT Professionals who are looking to take the exam 412: Configuring Advanced Windows Server 2012 Services.

## Voraussetzungen

Before attending this MOC on Deamand course, students must have:

- Experience working with Windows Server 2008 or Windows Server 2012 servers day to day in an Enterprise environment.

The course pre-requisites can be met by having knowledge equivalent to, or by attendance at, courses 20410C: Installing and Configuring Windows Server 2012 and 20411C: Administering Windows Server 2012 as this course will build upon the knowledge and skills covered in those courses.

## Inhalte des Seminars

Module 1: Implementing Advanced Network Services

In this module students will be able to configure advanced features for Dynamic Host Configuration Protocol (DHCP) and Domain Name System (DNS), and configure IP Address Management (IPAM).

Lessons

- Configuring Advanced DHCP Features
- Configuring Advanced DNS Settings
- Implementing IPAM
- Managing IP Address Spaces with IPAM

Lab : Implementing Advanced Network Services

- Configuring Advanced DHCP Settings
- Configuring Advanced DNS Settings
- Configuring IPAM

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Module 2: Implementing Advanced File Services

In this module students will be able to configure file services to meet advanced business requirements.

Lessons
- Configuring iSCSI Storage
- Configuring BranchCache
- Optimizing Storage Usage

Lab : Implementing Advanced File Services
- Configuring iSCSI Storage
- Configuring the File Classification Infrastructure
- Configuring the Main Office Servers for BranchCache
- Configuring the Branch Office Servers for BranchCache
- Configuring Client Computers for BranchCache
- Monitoring BranchCache

Lab : Implementing BranchCache
- Configuring iSCSI Storage
- Configuring the File Classification Infrastructure
- Configuring the Main Office Servers for BranchCache
- Configuring the Branch Office Servers for BranchCache
- Configuring Client Computers for BranchCache
- Monitoring BranchCache

Module 3: Implementing Dynamic Access Control

In this module students will be able to configure Dynamic Access Control (DAC) to manage and audit access to shared files.

Lessons
- Overview of DAC
- Implementing DAC Components
- Implementing DAC for Access Control
- Implementing Access Denied Assistance
- Implementing and Managing Work Folders

Lab : Implementing Secure Data Access
- Preparing for DAC deployment
- Implementing DAC
- Validating and Remediating DAC
- Implementing Work Folders

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Module 4: Implementing Distributed Active Directory Domain Services Deployments

In this module students will be able to plan and implement an Active Directory Domain Services (AD DS) deployment that includes multiple domains and forests.

Lessons
- Overview of Distributed AD DS Deployments
- Deploying a Distributed AD DS Environment
- Configuring AD DS Trusts

Lab : Implementing Distributed AD DS Deployments
- Implementing Child Domains in AD DS
- Implementing Forest Trusts

Module 5: Implementing Active Directory Domain Services Sites and Replication

In this module students will be able to plan and implement an AD DS deployment that includes multiple locations.

Lessons
- AD DS Replication Overview
- Configuring AD DS Sites
- Configuring and Monitoring AD DS Replication

Lab : Implementing AD DS Sites and Replication
- Modifying the Default Site
- Creating Additional Sites and Subnets
- Configuring AD DS Replication
- Monitoring and Troubleshooting AD DS Replication

Module 6: Implementing AD CS

In this module students will be able to implement an Active Directory Certificate Services (AD CS) deployment.

Lessons
- Using Certificates in a Business Environment
- PKI Overview
- Deploying CAs
- Deploying and Managing Certificate Templates
- Implementing Certificate Distribution and Revocation
- Managing Certificate Recovery

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Lab : Deploying and Configuring CA Hierarchy

- Deploying a Stand-Alone Root CA
- Deploying an Enterprise Subo

## 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

## Terminübersicht und Buchung

Buchen Sie Ihren Wunschtermin jetzt direkt online unter https://akademie.tuv.com/s/29410 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.

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