Installing and Configuring Windows Server 2012, On Demand 20410

Seminar | Zurzeit keine Termine | Teilnahmebescheinigung

E-Learning | 40 Unterrichtseinheiten

Seminarnummer: 29404 | Herstellernummer: OD20410

Stand: 13.03.2026. Alle aktuellen Informationen finden Sie unter https://akademie.tuv.com/s/29404

Get hands-on instruction and practice installing and configuring Windows Server 2012, including Windows Server 2012 R2, in this Microsoft MOC on Demand official 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 the Microsoft Certified Solutions Associate (MCSA) Exam 410: Installing and Configuring Windows Server 2012, which is the first of three exams required for the MCSA: Windows Server 2012 credential.

After completing this course, students will be able to:

- Install and configure Windows Server 2012.
- Describe AD DS.
- Manage Active Directory objects.
- Automate Active Directory administration.
- Implement IPv4.
- Implement Dynamic Host Configuration Protocol (DHCP).
- Implement Domain Name System (DNS).
- Implement IPv6.
- Implement local storage.
- Implement file and print services.
- Implement Group Policy.
- Secure Windows servers by using Group Policy Objects (GPOs).
- Implement server virtualization by using Hyper-V.

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Zielgruppe

This course is intended for information technology (IT) professionals who have some knowledge and experience working with Windows operating systems and who want to acquire the skills and knowledge necessary to install and perform the initial configuration of a Windows Server 2012 or Windows Server 2012 R2 server in an existing Windows server environment. Typically, candidates who are interested in attending this course include: Windows Server administrators who are relatively new to Windows Server administration and related technologies who are looking to learn more about Windows Server 2012 and Windows Server 2012 R2.IT professionals who are experienced in other non-Microsoft technologies, who meet the course prerequisites and are looking to cross-train on Windows Server 2012 and Windows Server 2012 R2.IT professionals who are looking to take the Microsoft Certified Solutions Associate (MCSA) 410: Installing and Configuring Windows Server 2012 exam.

Voraussetzungen

This course requires that student meet the following prerequisites, including that they have:

- An understanding of networking fundamentals.
- An understanding of basic AD DS concepts.
- An awareness and understanding of security best practices.
- Basic knowledge of server hardware.
- Experience working with, and configuring, Windows client operating systems, such as Windows 7 or Windows 8.

Additionally, students would benefit from having some previous Windows Server operating system experience.

Inhalte des Seminars

Module 1: Deploying and Managing Windows Server 2012

This module introduces the new Windows Server 2012 administrative interface, including roles and features that are available with the Windows Server 2012 operating system. It also discusses various Windows Server 2012 installation options and configuration steps performed during installation and after deployment, in addition to using Windows PowerShell to perform common administrative tasks in Windows Server 2012.

Lessons

- Windows Server 2012 R2 Overview
- Installing Windows Server 2012 R2
- Post-Installation Configuration of Windows Server 2012 R2
- Overview of Windows Server 2012 R2 Management
- Introduction to Windows PowerShell

Lab : Deploying and Managing Windows Server 2012 R2

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- Deploying Windows Server 2012 R2
- Configuring Windows Server 2012 R2 Server Core
- Managing Servers
- Using Windows PowerShell to Manage Servers

Module 2: Introduction to Active Directory Domain Services

This module covers the structure of Active Directory Domain Services (AD DS) and its various components, such as forest, domain, and organizational units (OUs). It also gives an overview of Domain Controllers, in addition to choices that are available with Windows Server 2012 for installing AD DS on a server.

Lessons
- Overview of AD DS
- Overview of Domain Controllers
- Installing a Domain Controller

Lab : Installing Domain Controllers
- Installing a Domain Controller
- Installing a Domain Controller by Using IFM

Module 3: Managing Active Directory Domain Services Objects

This module describes how to manage user accounts and computer accounts, including how to manage various consumer devices that employees use. The module also covers how to manage an enterprise network by managing groups, and how to delegate administrative tasks to designated users or groups.

Lessons
- Managing User Accounts
- Managing Groups
- Managing Computer Accounts
- Delegating Administration

Lab : Managing Active Directory Domain Services Objects
- Delegating Administration for a Branch Office
- Creating and Configuring User Accounts in AD DS
- Managing Computer Objects in AD DS

Module 4: Automating Active Directory Domain Services Administration

This module describes how to use command line tools and Windows PowerShell to automate AD DS administration. It discusses various command-line tools and Windows PowerShell commands, and then describes how to use these tools and commands to modify objects individually and in bulk operations.

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Lessons

- Using Command-line Tools for AD DS Administration
- Using Windows PowerShell for AD DS Administration
- Performing Bulk Operations with Windows PowerShell

Lab : Automating AD DS Administration by Using Windows PowerShell

- Creating User Accounts and Groups by Using Windows PowerShell
- Using Windows PowerShell to Create User Accounts in Bulk
- Using Windows PowerShell to Modify User Accounts in Bulk

Module 5: Implementing IPv4

In this module, students see how to implement an IPv4 addressing scheme. This module discusses using IPv4, which is the network protocol used on the Internet and on local area networks, to troubleshoot network communication. It also covers determining and troubleshooting network-related problems.

Lessons

- Overview of TCP/IP
- Understanding IPv4 Addressing
- Subnetting and Supernetting
- Configuring and Troubleshooting IPv4

Lab : Implementing IPv4

- Identifying Appropriate Subnets
- Troubleshooting IPv4

Module 6: Implementi

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

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Terminübersicht und Buchung

Buchen Sie Ihren Wunschtermin jetzt direkt online unter https://akademie.tuv.com/s/29404 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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