

Windows Server 2016 Grundlagen der Administration (WS16GA)

ID WS16GA Preis 2.590,- € (exkl. MwSt.) Dauer 5 Tage

Kursüberblick

In diesem praxisnahen Seminar lernen IT-Systembetreuer und Administratoren, wie Windows Server 2016 basierte Umgebungen bereitgestellt und eingesetzt werden. Der Schwerpunkte liegen in Planung, Einrichtung und effizientem Betrieb von Microsoft Active-Directory-Domänenumgebungen. Seminarschwerpunkte sind Gruppenrichtlinien, das Management von AD-Objekten sowie die Verwaltungsoptimierung durch den Einsatz von Powershell. Nach dem Seminar werden die Teilnehmer befähigt sein, Windows Server 2016 zielgerichtet und effektiv einzusetzen.

ExpertLine-Kurse werden nicht mit offiziellen Microsoft-Kursunterlagen (MOC) durchgeführt, das Einlösen von SATV-Vouchern für diese Kurse ist somit nicht möglich.

Voraussetzungen

- Berufliche Erfahrung mit Windows-Clientbetriebssystemen wie Windows 7, Windows 8, Windows 8.1 und Windows 10
- Kenntnisse und Erfahrung im Betrieb von Client-Server-Umgebungen.
- Grundkenntnisse bei der Arbeit mit und Konfiguration von Windows Server 2012 oder Windows Server 2016.
- Erfahrung mit und ein Verständnis grundlegender Netzwerktechnologien wie IP-Adressierung, Namensauflösung und Dynamic Host Configuration-Protokoll (DHCP).

Kursziele

- Installation des Server 2016
- Implementieren von Server-

Remoteverwaltungslösungen

- Serververwaltung mit Powershell
- Implementieren von Active Directory Domänendiensten
- Konfiguration und Betrieb von DNS in Zusammenhang mit Active Directory
- Einsatz von Konten und Gruppen
- Management von Zugriffsrechten
- Design und Implementierung von Group Policies
- Multiple Domains, Forests und Sites
- Sichern von Active-Directory Domain Service Infrastrukturen

Kursinhalt

1. 20740C – Module 1:

Installing, upgrading, and migrating servers and workloads

This module describes the new features of Windows Server 2016, and explains how to prepare for and install Nano Server and Server Core. This module also describes how to plan a server upgrade and migration strategy, and explains how to perform a migration of server roles and workloads within and across domains. Finally, this module explains how to choose an activation model based on your environment characteristics.

Lab: Installing and configuring Server Core

2. Lokale Verwaltung und Remoteverwaltung mit Powershell (ohne MOC-Modul)

3. 20742B-Module1:

Installing and configuring domain controllers
This module describes the features of AD DS and how to install domain controllers (DCs). It also

covers the considerations for deploying DCs.

Lab: Deploying and administering AD DS

4. 20741B-Module 4:

Implementing DNS

This module explains how to install, configure, and troubleshoot DNS within the organization's network.

Lab : Planning and implementing name resolution by using DNS

Lab : Integrating DNS with Active Directory

Lab : Configuring advanced DNS settings

5. 20742B-Module 2:

Managing objects in AD DS

This module describes how to use various techniques to manage objects in AD DS. This includes creating and configuring user, group, and computer objects.

Lab: Managing AD DS objects

Lab: Administering AD DS

6. 20697-1D-Module 6:

Managing Files and Printers

This module provides an overview of the file systems that Windows 10 supports. It explains how to configure file permissions, the effect of file permissions, how explicit and inherited permissions work, and how to include user and device claims in access permissions. This module also explains how to share folders, the tools that you can use to share folders, and the effective permissions when a user tries to access data in a shared folder that is protected by file permissions. Additionally, this module explains how to create and use Work Folders. The last lesson in this module describes how to add and share a printer, and how to manage client and server-side printing.

Lab: Configuring and Managing Permissions and Shares

7. 20742B-Module 5:

Implementing Group Policy

This module describes how to implement a GPO infrastructure. The module provides an overview of the components and technologies that compose the Group Policy framework.

Lab: Implementing a Group Policy infrastructure

Lab: Troubleshooting Group Policy infrastructure

8. 20742B-Module 6:

Managing user settings with Group Policy

This module describes how to configure Group Policy settings and Group Policy preferences. This includes implementing administrative templates, configuring folder redirection and scripts, and configuring Group Policy preferences.

Lab : Managing user settings with GPOs

9. 20742B-Module 3:

Advanced AD DS infrastructure management

This module describes how to plan and implement an AD DS deployment that includes multiple domains and forests. The module provides an overview of the components in an advanced AD DS deployment, the process of implementing a distributed AD DS environment, and the procedure for configuring AD DS trusts.

Lab: Domain and trust management in AD DS

10. 20742B-Module 4:

Implementing and administering AD DS sites and replication

This module describes how to plan and implement an AD DS deployment that includes multiple

locations. The module explains how replication works in a Windows Server 2016 AD DS environment.

Lab: Implementing AD DS sites and replication

11. 20742B-Module 7:

Securing Active Directory Domain Services

This module describes how to configure domain controller security, account security, password security, and Group Managed Service Accounts (gMSA).

Lab: Securing AD DS