

PowerCamp - Windows Server 2019-2022-2025 & Azure Grundlagen.

Ein Leitfaden zu Windows Server, Administration, Speicher, Netzwerkdiensten, Active Directory und Azure-Integration.



Seminar



3 Termine verfügbar



Teilnahmebescheinigung



Präsenz / Virtual Classroom



80 Unterrichtseinheiten

Seminarnummer: 29056 | Herstellernummer: PCWinServ

Stand: 18.02.2026. Alle aktuellen Informationen finden Sie unter <https://akademie.tuv.com/s/29056>

In nur 10 intensiven Tagen vermittelt dieses Training umfassendes Wissen zu Microsoft Windows Server und dessen Einsatz in Azure. Mit modernen Methoden wie GUI und PowerShell werden zentrale Themen der Serveradministration sowie eine Einführung in Azure behandelt. Das PowerCamp kombiniert die Inhalte der Trainings WinGLA, WinFAD, WinFSM, WinNW und WinADI und ist ideal für alle, die schnell fundierte Kenntnisse aufbauen möchten.

Nutzen

- Umfassendes Wissen zu Microsoft Windows Server 2019/2022/2025 und Azure in nur 10 Tagen
- Praxisorientiertes Training mit modernen Methoden wie GUI und PowerShell
- Einführung in die Integration von Windows Server in Azure-Umgebungen
- Vertiefung der Serveradministration durch spezialisierte Module (WinGLA, WinFAD, WinFSM, WinNW, WinADI)
- Schneller und intensiver Wissensaufbau für hybride IT-Infrastrukturen
- Direkte Anwendbarkeit des Gelernten im Arbeitsalltag
- Ideal für Systemadministrator*innen, die ihre Kenntnisse in kurzer Zeit erweitern möchten

Zielgruppe

Das PowerCamp ist ideal für Systemadministrator*innen, die innerhalb kurzer Zeit fundierte Kenntnisse im Bereich Microsoft Server erlangen und gleichzeitig einen umfassenden Einblick in Azure-Technologien gewinnen möchten.

Voraussetzungen

Basiswissen in der Systemadministration im Microsoft-Umfeld sowie starke Eigenmotivation und Ausdauer für 10 intensive Tage.

Inhalte des Seminars

WinGLA

Introduction to Windows Server

- Services
- Applications
- Security Concepts

Methods and Tools for Administration

- Management Tools
- Local and Remote Administration

Graphical Administration Tools

- Microsoft Management Console
- Server Manager
- Windows Admin Center

Command Line Administration Tools

- Command Line Hosts
- Windows Terminal
- CMD.EXE
- PowerShell

Common Administrative Tasks

- Managing Roles and Features
- Managing Services
- Reviewing Events

- Configuring Firewall

Manual Setup and First Configuration

- Setup
- Desktop Experience
- Core Experience
- Sconfig

Managing Users, Computers, and Groups

- Local Users
- Active Directory Basics
- Domain Users
- Groups
- Computers

Managing Local Storage

- Disks
- Partitions
- Volumes
- NTFS
- ReFS
- RAID
- Mount Points
- Links

Introduction to PKI

- Applications
- Algorithms
- Certificate Management

Managing Permissions and Shares

- Permissions

- Shares
- Offline Files
- Volume Shadow Copies
- Introduction to Group Policies

Performance Monitoring

- Counters
- Live Monitoring
- Data Collection

Licensing

- Windows Server Editions
- Licensing
- Virtualization Rights
- Azure Hybrid Use Benefit

WinFAD

Windows Admin Center

- Overview
- Prerequisites and Installation Options
- Securing Windows Admin Center
- Integration with Azure
- Extensions

Patch Management

- WSUS Deployment
- WSUS Administration
- WSUS Troubleshooting
- Windows Update for Business
- Azure Update Management

Deployment

- Windows Automated Deployment Kit (ADK)
- Windows Deployment Services
- Microsoft Deployment Toolkit

Azure Arc

- Deployment Options
- Connect Machines
- Migrate Machines to Azure
- Management

WinFSM

Advanced Local Storage Solutions

- File Server Resource Manager
- Auditing
- Deduplication
- Storage Migration

Branch Office Solutions

DFS and DFS-R

Azure File Sync

Branch Cache

Dynamic Access Control

Rights Management Service

- Active Directory Rights Management Services
- Azure Rights Management Service

WinNW

Implementing DHCP

- Deploying DHCP
- DHCP High Availability
- Maintaining the DHCP Database

DNS

- Basics
- Service Locator Records
- DNS Troubleshooting
- Zone Delegation
- Zone Transfer
- DNS Notify
- Stub Zones
- TTL, Aging, Scavenging
- GlobalName Zone
- DNSSEC
- Split DNS and Pinpoint DNS
- Response Rate Limiting
- DNS Policies
- Logging and Monitoring

IP Address Management (IPAM)

- Architecture
- Workflows
- Implementation
- Configuration
- Monitoring
- Reporting

WinADI

Active Directory

- Deploying Domain Controllers
- Read-only Domain Controllers
- Sites and Replication
- Securing Active Directory
- Recovering Active Directory

Advanced AD DS Infrastructures

- Trusts
- Trees

- Forests
- Multi-Forest
- Active Directory Migration Tool (ADMT)

Securing AD DS

- Domain Controller Security
- Account Security
- Managed Service Accounts
- Privileged Access Management
- Time-Limited Group Membership

Active Directory Federation Service (AD FS)

- Overview of Kerberos
- Overview of Modern Authentication
- Active Directory Federation Services (AD FS)
- Web Application Proxy (WAP)

Azure AD

- Overview of Azure AD
- Identity
- Azure AD Domain Join
- Hybrid Implementation
- Synchronizing Identities
- Hybrid Azure AD Join

Azure Basics

Describing Key Azure Concepts

- Introduction to Azure Basics
- Explaining Fundamental Azure Concepts
- Describing Key Azure Architecture Components
- Describing Azure Core Services
- Exploring Azure Database and Analytics Services
- Exploring Azure Compute Services

- Exploring Azure Storage Services
- Exploring Azure Networking Services

Core Solutions and Management Tools in Azure

- Choosing the Best AI Service for Your Needs
- Selecting the Best Tools for Developing Better Business Solutions
- Choosing the Best Monitoring Service for Visibility, Insight, and Downtime Mitigation
- Selecting the Best Tools for Managing and Configuring Your Azure Environment
- Choosing the Best Serverless Azure Technology for Your Business Scenario
- Selecting the Best Azure IoT Service for Your Application

Describing General Security and Network Security Features

- Protecting Azure from Security Threats
- Securing Network Connections in Azure

Describing Identity, Governance, Privacy, and Compliance Features

- Securing Access to Your Applications Using Azure Identity Services
- Creating a Cloud Governance Strategy for Azure
- Reviewing Privacy, Compliance, and Data Protection Standards in Azure

Describing Azure Cost Management and Service Level Agreements

- Planning and Managing Your Azure Costs
- Selecting the Right Azure Services by Examining SLAs and the Service Lifecycle

Wichtige Hinweise

Dieses Training wird durch unseren Partner ETC – Enterprise Training Center GmbH durchgeführt.

Terminübersicht und Buchung

Buchen Sie Ihren Wunschtermin jetzt direkt online unter <https://akademie.tuv.com/s/29056> 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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