Course : Windows 2025, what's new for administrators

Practical course - 4d - 28h00 - Ref. WNA
Price : 2650 CHF E.T.

★★★★⯪   4,5 / 5

Discover Windows Server 2025: enhanced security, hybrid cloud, intelligent containers. In 4 days, this training course takes you to the heart of the latest Microsoft innovations to help you understand and master the new generation of servers.

Teaching objectives

At the end of the training, the participant will be able to:

- ✓ Learn about the new installation modes for Windows Server 2025
- ✓ Master Windows Admin center to manage your infrastructure
- ✓ Understanding what's new in Hyper-V 2025
- ✓ Learn what's new in storage and data management with Windows Server 2025
- ✓ Understanding the new security features of Windows Server 2025

Intended audience
Systems and network technicians, administrators and engineers.

Prerequisites
Good knowledge of server management 2016/2019 and 2022.

Course schedule

PARTICIPANTS
Systems and network technicians, administrators and engineers.

PREREQUISITES
Good knowledge of server management 2016/2019 and 2022.

TRAINER QUALIFICATIONS
The experts leading the training are specialists in the covered subjects. They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

ASSESSMENT TERMS
The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more.
Participants also complete a placement test before and after the course to measure the skills they've developed.

1 Windows Server 2025 installation or upgrade

- What's new in Windows Server 2025 (hotpatching, new installation experience).
- Active Directory 2025 server evolution (Kerberos RC4, 32K paging, Azure Stack HCI).
- Perpetual licenses, the "Pay as you Go" model of Windows Server 2025.
- Version differences between Windows Server 2025 On Premise and Azure Edition.
- Windows Server2025 Server adhesion and interconnections with Azure ARC.
- UEFI secure boot. Enhanced security tools.
- FOD tools for minimal-installation servers.

Hands-on work
Installing and deploying Windows Server 2025. Deploy FOD tools on a minimal installation server. Deploy Windows Server 2025 with Azure ARC.

2 New features for local and remote administration

- Deployment of Windows Admin Center (WAC).
- Use WAC to administer servers.
- Take advantage of Windows System Insights and its new features.
- Virtualization-based security, Credential Guard.
- Managing Windows Server 2025 hybrid with Azure Arc.

Hands-on work
Install and operate WAC, connect WAC with Aure AD. Administer and configure servers with PowerShell. Deploy Credential Guard.

3 Hyper-V 2025

- What's new in Hyper-V.
- SDN (Software Defined Networking) and SDDC (Software Defined Data Center).
- Enhancements to virtual switches, RSC, Azure Stack HCI.
- What's new in SDN networks in Hyper-V.
- Hyper-V and Artificial Intelligence.

Hands-on work
Deploy Hyper-V and optimize network connections.

4 Storage enhancements for Windows Server 2025

- Disk and volume management in Windows Server 2025.
- Snapshots on ReFS volumes.
- Storage pools and new features, Storage Bus Cache.
- What's new in the SMB protocol, compression, SMB on QUIC.
- Storage migration service.
- Storage replicas.

Hands-on work
Deploy storage pools and Storage Bus Cache. Deploy SMB compression and SMB on QUIC. Implement storage migration service.

(5) Windows Server 2025 application platform

- What's new in Windows Server 2025 applications.
- Windows Container and its improvements, gMSA integration, image optimization.
- Windows Container Kubernetes
- Linux interaction with Windows Server 2025.

Hands-on work
Deploying Windows Containers.

(6) High availability under Windows Sevier 2025

- Overview of high availability.
- What's new in Windows Server 2025 clusters.
- Best practices for clustering under Windows.
- Backup and restore.

Hands-on work
Setting up an HA cluster.

(7) Security under Windows Server 2025

- Overview of securing a Windows Server 2025 infrastructure.
- Secured-Score server.
- Virtualization-based security, VBS and HVCI, Credential Guard.
- Secure DNS over HTTPS (DoH). Database protection via DNS Sec.
- Identity security. Credential Guard technology.
- Windows Defender Malware Protection and Hotpatch.
- Deploy JEA for secure administration.

Hands-on work
Define a security policy. Deploy Credential Guard and VBS. Implement DNS DoH. Implement JEA sessions.

Dates and locations

REMOTE CLASS
2026 : 7 Apr., 16 June, 29 Sep., 1 Dec.