

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 Server 2025 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 Azure 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.

TEACHING AIDS AND TECHNICAL RESOURCES

- The main teaching aids and instructional methods used in the training are audiovisual aids, documentation and course material, hands-on application exercises and corrected exercises for practical training courses, case studies and coverage of real cases for training seminars.
- At the end of each course or seminar, ORSYS provides participants with a course evaluation questionnaire that is analysed by our instructional teams.
- A check-in sheet for each half-day of attendance is provided at the end of the training, along with a course completion certificate if the trainee attended the entire session.

TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training.

ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you need special accessibility accommodations? Contact Mrs. Fosse, Disability Manager, at psh-accueil@orsys.fr to review your request and its feasibility.

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 Server 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 : 16 June, 29 Sep., 1 Dec.