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Sign up

Windows Server 2025 training

3 days (21 hours)

Presentation

Master Windows Server 2025 and optimize the management of your IT infrastructures! Discover how to deploy, manage and secure your servers with Windows Server 2025, the ideal solution for a high-performance hybrid infrastructure.

Our Windows Server training course will teach you all the essential skills you need to install, configure and manage the key features and services of this version...

You'll learn how to optimize virtual machine, storage and network management, while applying best-practice Secured-core security, TLS 1.3 and SMB AES-256 encryption.

Like all our training courses, this one will introduce you to the latest stable version of Windows Server [Windows Server OS Build 20348.1070](#).

Objectives

- Installing Windows Server the right way
- Configuring Windows Server 2025
- Understand best practices for monitoring and tracking performance
- Good safety practices
- Master the main administration tasks

Target audience

- System administrator
- Cloud administrator
- Azure Administrator
- Safety engineer

Prerequisites

- Knowledge of hosting and cloud computing
- Basic knowledge of Windows Server

Windows Server 2025 Training Program

Introduction and deployment

- Microsoft Cloud ecosystem overview
- Integration with Azure Arc and Azure Stack HCI
- Comparison with Windows Server 2022 and major changes
- Introduction to Windows Server 2025
- Active Directory domains, RAS, Zero Trust and virtualization

Getting started

- Creating a virtual machine for the lab
- Windows Admin Center integration
- Installing Windows Server in a virtual machine and managing boot diagnostics
- Windows update, driver and registry management
- Windows deployment services and intelligent system error diagnosis

Configuration

- Best practices for DSC configuration and server role setup
- Setting up domain controller and group policies
- Setting up automated management of domain controllers and Azure AD Connect Cloud Sync
- GPU virtualization, storage and data management with Windows Server Hyper-V 2025

Active Directory Domain (ADDS) deployment

- Concepts of Azure AD Domain, Trees and Forests and Active Directory partitions
- Installing and managing an Active Directory Domain Controller
- Secure access with MFA, Windows Hello for Business, and Azure AD Join, Passkeys
- RODC (Read-Only Domain Controller) deployment
- Using PowerShell for remote administration

Administration

- DNS and DHCP management
- Windows Server performance monitoring: logs, alerts and diagnostics
- Introduction to PowerShell: creating variables, scripts and profiles
- Advanced PowerShell configuration for task automation

Security

- Best security practices for files, folders and access control
- Create local security policies and manage security updates
- Integration with SIEM and SOAR platforms (Azure Sentinel)

Updating and troubleshooting

- Windows updates, Microsoft and third-party programs, and miscellaneous
- Error management, ITIL and best practices for maintaining good performance

Complementary module (intra-company only) : Clustering and P2V

- System and application cluster concept: Hyper-V cluster operation
- Hyper-V cluster deployment and maintenance, test environment and P2V migration
- Storage management, optimization and service synchronization
- Network Load balancing and cluster troubleshooting

Companies concerned

This course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

Positioning on entry to training

Positioning at the start of training complies with Qualiopi quality criteria. As soon as registration is finalized, the learner receives a self-assessment questionnaire which enables us to assess his or her estimated level of proficiency in different types of technology, as well as his or her expectations and personal objectives for the training to come, within the limits imposed by the selected format. This questionnaire also enables us to anticipate any connection or security difficulties within the company (intra-company or virtual classroom) which could be problematic for the follow-up and smooth running of the training session.

Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

Organization

The course alternates theoretical input from the trainer, supported by examples, brainstorming sessions and group work.

Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

Sanction

A certificate will be issued to each trainee who completes the course.