



WS011WV-2025 - Windows Server 2025 Administrator

Microsoft - Windows Server - Sistemistica

Durata:

5 Giorni

Lingue:

Certificazione:

-

Descrizione del corso

This course examines the services and features of **Microsoft Windows Server versions from 2019 to 2025**, including lessons and lab exercises about key attributes you might need on the job. It's a comprehensive guide to key areas of administrating contemporary Windows Server editions, and it's designed for IT professionals seeking one course in which they can learn all Windows Server knowledge and skills with respect to configuring, using, and maintaining it.

The course begins with an **overview of administration techniques** and continues with topics about **identity services, networking, virtualization, high availability, and disaster recovery**. This is a comprehensive course that has extensive content and labs, and you'll find it helpful for exam preparation and as a guide for administering a Windows Server environment.

Prerequisites:

- Some exposure to, and experience with, Active Directory Domain Services (AD DS) concepts and technologies in Windows Server 2019 and newer.
- Experience working with, and configuring, Windows Server 2019 and newer.
- Experience with, and an understanding of, core networking technologies such as IP addressing, name resolution, and Dynamic Host Configuration Protocol (DHCP).
- Experience working with, and an understanding of, Microsoft Hyper-V and basic server-virtualization concepts.
- An awareness of basic security best practices.
- Experience working directly with Windows client operating systems such as Windows 10 and newer.
- Basic experience with Windows PowerShell.
- Basic experience with Microsoft Azure platform.

ITCore Group

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Programma

Module 1: Module 1 Overview of Windows Server 2025

- Overview of Windows Server
- Windows Server deployment
- Overview of Windows Server Core

Module 2: Windows Server administration

- Overview of Windows Server administration principles and tools
- Administer Windows Server with Azure Arc

Module 3: Windows Server identity and management services

- Overview of AD DS
- Deploy Windows Server DCs
- Overview of Entra ID
- Implement Group Policy

Module 4: Network infrastructure services in Windows Server

- Deploy and manage DHCP
- Deploy and manage DNS services
- Deploy and manage IPAM

Module 5: File servers and storage management in Windows Server

- Volumes and file systems in Windows Server
- Implement sharing in Windows Server
- Implement Storage Spaces in Windows Server
- Implement Data Deduplication
- Implement iSCSI
- Implement DFS

Module 6: Hyper-V virtualization and containers in Windows Server

- Hyper-V in Windows Server
- Configure VMs
- Secure virtualization in Windows Server

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- Containers in Windows Server

Module 7: High availability in Windows Server

- Plan for implementation of failover clustering
- Create and configure failover clusters
- Overview of stretched clusters
- High availability and disaster-recovery solutions with Hyper-V VMs

Module 8: Disaster recovery in Windows Server

- Hyper-V Replica
- Backup and restore an infrastructure in Windows Server

Module 9: Windows Server security

- Credentials and privileged-access protection in Windows Server
- Harden Windows Server
- JEA in Windows Server
- Secure and analyze SMB traffic
- Windows Server update management

Module 10: RDS in Windows Server

- Overview of RDS
- Configure a session-based desktop deployment
- Overview of pooled and personal virtual desktops

Module 11: Remote access and web services in Windows Server

- Deploy AD CS to secure network traffic
- Overview of remote access in Windows Server
- Implement VPNs
- Implement NPS
- Implement Always On VPN
- Implement Web Server in Windows Server

Module 12: Server and performance monitoring in Windows Server

- Overview of Windows Server monitoring tools

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- Use Performance Monitor
- Monitor event logs for troubleshooting

Module 13: Upgrade and migration in Windows Server (optional)

- AD DS upgrade and migration
- Storage Migration Service
- Windows Server Migration Tools

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