

Server 2022 Training: Professional Administration (SRVCORE8, 4 jours)

Description

The course Professional Administration (Server 2019 Training) discusses the full support lifecycle of a Server 2019 deployment. The training includes Windows Server 2019 installation, configuration, deployment, security, fault tolerance & troubleshooting and more. The training includes strategies for planning & implementing Server 2019 networks & network services including IPv4 & IPv6, DNS, DHCP, IIS & more. This course is a must have for individuals who manage Windows Server 2019.

Tarifs

- Tarification: \$3,750/person
- Rabais de 10% lorsque vous inscrivez 3 personnes.

Plan de cours

Introduction to Windows Server 2022

Windows Server Product History
Windows Server 2022 Versions
New Features and Enhancements
Networking Enhancements
Security Improvements
Introduction to Windows Server 2022 Hyper-V
Improved Features of Active Directory

Windows Server 2022 Installation

Hardware Requirements
New Installations vs. Upgrading
About Installing the Core
Migration Considerations
Using Windows Deployment Services

Server Core

What is Server Core?
Server Core Features
Server Roles Available using Server Core
Installing and Configuring Server Core
Managing Server Core

Windows Server 2022 management

Using the Microsoft Management Console (MMC)
New Management Tools
Windows Server 2022 Server Manager Utility
Windows Deployment Services
Windows Reliability and Performance Monitor
Remote Management
Scripting with Windows Powershell

Windows Server 2022 Active Directory Services

Read-Only Domain Controllers
Active Directory Federation Services (ADFS)
Improved Directory Service Auditing

- Server Core Role
- High Performance Computing (HPC)
- Service-Based Active Directory Domain Service
- Active Directory Service Snapshot Viewer
- Fine-Grained Password and Account Lockout Policy
- Install From Media (IFM)

Windows Server 2022 Protocols and Core Networking Components

- Next Generation TCP/IP Stack
- Quality of Service (QoS)
- Server Message Block 2.0
- HTTP.sys Enhancements
- Network Awareness
- WinINET Enhancements
- Network Drive Interface Specification (NDIS) 6.0 and 6.1
- IPSec Improvements

Implementing IPV6

- IPv6 Overview
- Planning the IPV6 Network
- Designing Subnets and Sites
- Network Address Protection Enforcement for DHCPv4 and v6
- About DHCPv6 using IPv6
- About DHCPv6 Stateful and Stateless Servers

Windows Server 2022 DNS

- DNS Overview
- DNAME Records: New for Windows Server 2022
- Support for IPv6 Addresses
- Support for Single-Label Name Resolution
- Read-Only Domain Controller Support

Windows Server 2022 Security Enhancements

- Server 2022 Security Overview
- BitLocker Drive Encryption
- Active Directory Rights Management
- Enhanced Certificate Services
- Windows Firewall with Advanced Security
- Highly Secure Wireless and Wired Access

Server 2022 Storage and Print Solutions

- Improved Printer Server Management Tools (PMC)
- Printer Scalability Improvements
- XML Paper Specification (XPS)
- XPS Print Paths
- Storage Explorer
- Enhanced Disk Management
- Windows Server Backup using Volume Shadow Copy

Server 2022 High Availability and Load Balancing

- Failover Clustering
- Cluster Validation Tool
- Cluster Management and Operations Improvements
- Cluster Infrastructure Improvements
- Network Load Balancing Improvements using Next Generation TCP/IP
- Multiple IP Address Support

Microsoft ISA Server Integration

Windows Server 2022 Hyper-V

Understanding Hyper-V

Installing and Configuring Hyper-V

Creating Virtual Machines

Managing Multiple Virtual Machines

Installing Guest Operating Systems

PowerShell Essentials

The Need for PowerShell

PowerShell Features

PowerShell Commands and Cmdlets

Command Categories and Aliases

Pipelines and Commands

Formatting Output

Common Administration Tasks