

Server 2022 Training: Server Virtualization with Hyper-V (SERVI, 4 jours)

Description

The course Server Virtualization with Hyper-V (Server 2019 Training) :: The Server Virtualization with Hyper-V training course provides IT professionals with a complete study of the installation, configuration and maintenance of a Hyper-V virtualization ecosystem. This course teaches you everything that you need to know in order to implement a robust and scalable virtualization solution using Microsoft Hyper-V.

Tarifs

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

Plan de cours

Overview of Microsoft Virtualization – Server 2012 and 2016

What is Microsoft Virtualization/ Hypervisors

Hyper-V Client in Windows 10

Understanding Hyper-V Containers and Machines

Understanding Replicas

Understanding Downtime and VM live relocations

Verifying Hyper-V Requirements

PowerShell and Virtualization

Installing, Managing and Configuring Hyper-V Role

Installing Hyper-V Role

Understanding and Configuring Hyper-V Networks (teamed interfaces)

Understanding and Configuring Hyper-V Storage (live dynamic)

Understanding and Configuring Hyper-V Settings

Managing Hyper-V (Hyper-V Manager)

Understanding NTFS and ReFS and Storage

PowerShell Scripts

Managing Hyper-V Machines, Network, Storage and Checkpoints

Install and Configure Virtual Machines

Install and Configure Virtual Hard Disks

Managing Checkpoints

Import/ Export and Sharing Virtual Machines

Virtual Switches

Understanding VMConnect

Shared Storage - SMB Shares/ NFS Shares

Virtual Switching with NAT

Hyper-V Resource Management

Adding and removing vmNICs

PowerShell Scripts

Hyper-V Containers, Windows Containers and Replicas

Overview of Containers and Replicas

Implementing, Configuring and Managing Replicas

Implementing Hyper-V Containers

Implementing Windows Containers

PowerShell Scripts

High Availability and Hyper-V

Overview of High Availability and Redundancy

High Availability and Redundancy for Virtualization

Hyper-V and Machine Management for High Availability

Implementing and Managing Failover Clustering

VMs Load Balancing

Hyper-V Replica and Failover Cluster

PowerShell Scripts

Nested Virtualization - 2016

Implementing and Configuring Nested Virtualization

Managing Nested Virtualization

PowerShell Scripts

Remoting

Implementing and Working with Remote Connections(PS)

PowerShell Scripts

Backup, Restore and Migration

Backup Hyper-V

Restore Hyper-V

Migrating and Upgrading Virtual Servers

Live Migration

Migrating VM Storage using Store Migration

PowerShell Scripts

Hyper-V Security

Delegation of control

Constrained Delegation

Configuring Ports ACL

BitLocker

Auditing

VM Protection via vTPM

Shielded VMs

Monitoring, Tuning and Troubleshooting Hyper-V

Real-Time Monitoring Tools

PerfMon

VM Monitoring

Monitoring Hyper-V Replicas

Resource Metering

Configuring Storage QoS

Tuning Hyper-V Server

Troubleshoot with Event Viewer

Best Practices and TIPS

Hyper-V Best Practice Analyzer

Optimizing VM Resources

Anti-Virus

Using PowerShell Scripts for Automation

Resource Pools

PowerShell Direct

Nano Servers, Azure and Hyper-V

Create a Nano Server vhd Image (PowerShell)

Deploy Nano Server via Hyper-V

