

Server 2022 Training: Install, Configure & Manage (SER2012, 4 jours)

Description

The course Install, Configure & Manage (Server 2019 Training) is a complete exploration of Server 2019 administration. The training includes Windows Server 2019 installation, configuration, deployment, security, fault tolerance & troubleshooting. The course begins with server installation and includes an exploration of configuration considerations for DNS, DHCP, DFS, iSCSI and many more. You learn how to install & configure Active Directory Domain Services, how to create & manage security accounts & groups, how to use and maintain GPOs & how to configure and secure file sharing. The training also includes Hyper-V virtualization services, IIS web servers, SQL Server database services & more. The training ends with a complete Windows Server 2019 troubleshooting lab.

Tarifs

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

Plan de cours

Exploring Server 2022

Understanding Server 2022 Versions

Navigating the New User Interface

Finding the Tools you Need

Planning for an Installation

Performing an Installation

Adding Roles and Features

About Remote Server Administration Tools (RSAT) and Platform Compatibility

Planning the Installation

Planning the Physical Network Topology: IPv4 and IPv6

Planning the Logical Network Topology: IPv4 and IPv6

Planning Network Services: DNS, DHCP and DFS

Planning for iSCSI: iSCSI Target and iSCSI Clients

Planning the Active Directory: The Domain, the Forest and the Domain Level

Planning for SQL Server: Choosing Versions and Services

Planning for Web Services: IIS, SharePoint and .NET

Planning for Network Security: Working with Advanced Firewall

Putting the Plan Together

Server 2022 Initial Configuration Steps

Renaming the Computer and the Network Interfaces

Implementing IP Addressing: IPv4 and IPv6

Initializing and Partitioning Disks

Implementing Software Based Redundancy with Server 2022

Adding Active Directory to a Server

Configuring Active Directory Services

Verifying and Modifying DNS Settings and Zones

Activating Remote Management

Configuring the Computer for Remote Management

Configuring Domain Services

Managing Domain Replication and Performance

Creating OUs in Support of the IT Organization

- Creating Groups for Security Purposes
- Securing the Administrator Accounts
- Creating Service Accounts
- Adding Domain Controllers and Client Workstations
- About Delegation of Authority
- Adding Domain Accounts and Groups
- Managing Domain Accounts and Groups with PowerShell

Working with Group Policy

- About the Group Policy Editor
- Creating Domain Policies
- Applying Security Policies
- Applying Software Policies
- Working with Policies in an Enterprise Context
- Working with Policy Inheritance
- Managing Group Policy in an Enterprise Context

Configuring Application Services

- Adding the DHCP Server Role
- Working with DHCP Scopes and Clients
- Adding the DFS Service
- Creating and Securing a DFS Share
- Installing and Configuring the iSCSI Target Service
- Configuring iSCSI Client and Platform Services
- Installing and Configuring the Software Update Service
- Creating and Deploying Software Updates

Working with HyperV

- Understanding HyperV Server Networking
- Understanding the Difference between a Private Switch and an External Switch
- Adding the HyperV Role to a Server
- Creating Switches: External and Internal
- Creating Virtual Machines with HyperV Manager
- Configuring HyperV Virtual Machines
- Considerations about Virtual Machine Performance
- Configuring Live Migration for HyperV: Security and Policy Considerations
- Creating Virtual machines with PowerShell

Adding HyperV Server 2022 Machines – Server Core

- Installing a HyperV Server 2022 Machine
- Renaming the Computer and Joining the Domain
- Renaming the Network Interfaces with PowerShell
- Setting IP Parameters: IPv4 and IPv6
- Configuring a HyperV Server 2022 for Remote Management
- Working without an Interface: Working with HyperV Server on a Daily Basis

Backup and Maintenance

- Understanding Server 2022 Event Logs
- Finding what you What in the Server 2022 Event Logs
- Working with Log Filters and Queries
- Working with Alerts and Triggers
- Setting up Windows Backup
- Working with Snapshots and Restore Points
- Scheduling and Managing Regular Backups
- Performing a Recovery

Verifying the Server after Recovery

Configuring Enterprise Application Services: IIS 8 and SQL Server 2022

Installing and Configuring .NET Framework Versions

Adding the IIS Web Server Role

Understanding Application Pools and the IIS Architecture

Implementing IIS Application Services

Installing SQL Server 2022

Configuring SQL Server 2022

Configuring SQL Server 2022 Services

Configuring SQL Server 2022 Client and Server Protocols

Configuring Enterprise Application Services: SharePoint (Optional)

A Note on SharePoint Pre-Requisites

Installing SharePoint Installation Pre-Requisites

Creating the Database Access Account

Installing SharePoint

Configuring SharePoint

Implementing Security in SharePoint

Implementing Metadata Services in SharePoint

Advanced Troubleshooting Lab – If Time Permits

Students troubleshoot a broken server on the last day.