Course : Windows 2016: Implementation and Administration

Practical course - 4d - 28h00 - Ref. OWM
Price : 2650 CHF E.T.

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Teaching objectives

At the end of the training, the participant will be able to:

- ✅ Install, configure, and apply settings to a server with Windows Server 2016
- ✅ Perform admin tasks via the new interfaces and PowerShell
- ✅ Implement architecture security
- ✅ Maintaining and troubleshooting a server: Creating a backup and using recovery tools

Course schedule

1 Architecture and installation

- New features (Windows Defender, Windows Container, interface, etc.).
- CoreServer, NanoServer modes.
- Deployment tools and methods (WDS, MDT 2013, etc.).
- Hands-on work ¤Installing Windows Server 2016, roles, Nano Server 2016.

2 Administrative tools and configuration

- ADAC manager, roles.
- Windows PowerShell Web Access.
- Hands-on work ¤Managing server groups. Remote installation of roles. Using PowerShell.

3 NanoServer

- WIM, VHD deployment.
- Adding packages and managing roles.
- Network, firewall (Nano Server Recovery console).
- Hands-on work ¤Carrying out administrative tasks with CorePowerShell.

4 Network management

- DNS, DHCP and DHCP Failover, IPv4 and IPv6, IPAM.
- Network management with PowerShell.
- Hands-on work ¤Setting up a DHCP Failover. Managing DNS zones and records with PowerShell and graphical tools.

5 User accounts and groups

- Overview of Active Directory, ADAC.
- Local accounts and groups, user profiles.
- Creating objects with PowerShell.
- Hands-on work ¤Working with profiles. Creating groups, users, and UOs, and AD queries.

6 Resource management

- Disks, per-folder quotas, data de-duplication, FSRM.
- Detailed alerts on folder and file usage.
- Security: Bitlocker, TPM, Windows Defender malware protection, ReFS.
- Hands-on work ¤Setting up FSRM and report management. Attaching virtual hard drives. Managing folders and files with Pow

7 Troubleshooting and performance

- Installation and configuration of troubleshooting tools.
- Managing DHCP with PowerShell. BranchCache mode.
- Restoring with cloud backup.
- Hands-on work ¤Using PowerShell to manage and troubleshoot your servers.

8 Virtualization

- Hyper-V Container, Hyper-V in Hyper-V, Docker.
- Management of virtual machines (VMs), switches and other hardware.
- Hands-on work ¤Creating VMs, snapshots. Installing Windows 2016 on Hyper-V.

Dates and locations

REMOTE CLASS
2026 : 2 June, 2 June, 15 Sep., 15 Sep., 24 Nov.,
24 Nov.