

Course : Windows 2016: Implementation and Administration

Practical course - 4d - 28h00 - Ref. OWM

Price : 2650 CHF E.T.

 5 / 5

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.

PARTICIPANTS

PREREQUISITES

TRAINER QUALIFICATIONS

The experts leading the training are specialists in the covered subjects. They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

ASSESSMENT TERMS

The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more. Participants also complete a placement test before and after the course to measure the skills they've developed.

TEACHING AIDS AND TECHNICAL RESOURCES

- The main teaching aids and instructional methods used in the training are audiovisual aids, documentation and course material, hands-on application exercises and corrected exercises for practical training courses, case studies and coverage of real cases for training seminars.
- At the end of each course or seminar, ORSYS provides participants with a course evaluation questionnaire that is analysed by our instructional teams.
- A check-in sheet for each half-day of attendance is provided at the end of the training, along with a course completion certificate if the trainee attended the entire session.

TERMS AND DEADLINES

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.

Registration must be completed 24 hours before the start of the training.

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.

ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you need special accessibility accommodations? Contact Mrs. Fosse, Disability Manager, at psh-accueil@orsys.fr to review your request and its feasibility.

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.