

# Course : Windows 2019, implementation and administration

*Practical course - 4d - 28h00 - Ref. WTJ*

*Price : 2650 CHF E.T.*

★★★★★ 5 / 5

BEST

This course will teach you how to install and administer the latest version of the Microsoft Windows Server 2019 operating system. You'll learn how to install and configure its different versions, perform routine administration tasks and set up secure resources in an Active Directory environment.

## Teaching objectives

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

- ✓ Understanding what's new in Windows Server 2019
- ✓ Installing Windows Server 2019 in its various versions
- ✓ Using Windows Admin Center
- ✓ Installing and deploying Active Directory
- ✓ Implementing ReFS

## Intended audience

Systems and network technicians, administrators and engineers.

## Prerequisites

Good knowledge of managing Windows workstations (10, 8 or 7) on a network.

## Course schedule

### 1 Architecture and installation

- Introduction to Windows Server 2019.
- What's new?
- What's new in the Windows Server 2019 interface.
- Windows Server 2019 installation modes.
- Installing Windows Server 2019.

### Hands-on work

Install Windows Server 2019. Install the minimum installation version.

### PARTICIPANTS

Systems and network technicians, administrators and engineers.

### PREREQUISITES

Good knowledge of managing Windows workstations (10, 8 or 7) on a network.

### 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.

## 2 Administration and configuration tools

- Manage your environment with the Server Manager.
- Deploy and use Windows Admin Center (WAC).
- Overview and use of Windows System Insights modules.
- Azure memberships and interconnections.
- What's new in RDS.

### Hands-on work

Deploy roles and features. Install and use Windows Admin Center.

## 3 Active Directory

- Authentication silos and strategies.
- Managing objects in PowerShell.
- Installation prerequisites.
- Active Directory installation.
- New object management interfaces.
- Active Directory Administration Center (ADAC).
- Managed services accounts.
- Privileged Access Management (PAM).

### Hands-on work

Deploying Active Directory. Managing objects in graphical mode and in PowerShell. Deploying service accounts. Deploying authentication silos.

## 4 Disks and file systems

- Storage Migration Services.
- The ReFS (Resilient File System) file system.
- Configuring storage in Windows Server 2019.
- Windows Defender Malware Protection.
- File and folder security.

### Hands-on work

Deploying storage features. Use Storage Migration Services.

## 5 Optimization, performance and troubleshooting

- Windows Defender Advanced Threat Protection.
- Performance monitors.
- Recovery tools.
- System backups and restores.

## Dates and locations

### REMOTE CLASS

2026 : 24 Mar., 2 June, 28 July, 6 Oct., 15 Dec.

### 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

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

### ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

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