

# Course : Windows 2022, Active Directory administration

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

*Price : 2260 € E.T.*

★★★★☆ 4,6 / 5

BEST

Master the Active Directory environment under Windows Server 2022 with this training course. You'll learn how to install and configure an Active Directory, and perform all administration tasks using graphical interfaces and PowerShell.

## Teaching objectives

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

- ✓ Deploying Active Directory Domain Services under Windows Server 2022
- ✓ Deploying domain controllers
- ✓ Perform routine administration tasks via interfaces and PowerShell
- ✓ Deploy GPOs to administer workstations and servers
- ✓ Deploy dynamic access control to fine-tune resource permissions
- ✓ Backing up and restoring Active Directory

## Intended audience

Systems and network technicians, administrators and engineers.

## Prerequisites

Good knowledge of Windows workstation management.

## Course schedule

### 1 Active Directory Domain Services architecture

- Definition of Active Directory Domain Services architecture.
- Logical and physical infrastructure of the AD DS.
- AD DS services versus Azure Active Directory orientation.

### PARTICIPANTS

Systems and network technicians, administrators and engineers.

### PREREQUISITES

Good knowledge of Windows workstation management.

### 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 Installing Active Directory Domain Service

- Directory deployment.
- DNS and Active Directory.
- Integrated, secure DNS zones.
- DNS records linked to AD.

### Hands-on work

ADDS installation. DNS service configuration. Record management.

## 3 Deploying domain controllers

- Remote deployment and PowerShell.
- Domain controller cloning.
- Child domain implementation.
- Deployment of read-only DCs (RODCs).

### Hands-on work

Deploy domain controllers, RODCs and remote DCs.

## 4 Object management

- Management interfaces.
- The Active Directory Recycle Bin
- Managing objects in PowerShell.
- Managed services accounts.
- Privileged Access Management (PAM).
- Authentication silos and strategies.

### Hands-on work

Create and modify AD DS objects. Create service accounts. Implement authentication strategies.

## 5 Group strategies

- The operating principle.
- The central store. WMI filtering.
- Inheritance, blocking and filtering.

### Hands-on work

Setting up the central store. Creation of GPOs to secure stations and servers.

## 6 Dynamic access control

- Overview of dynamic access control.
- Claims principles.
- Principles of rules, centralized access strategies.
- FSRM resource manager, authorizations.
- The operating principle.

### Hands-on work

DAC implementation to specify access to resources.

## 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.

## 7 Approval sites, services and relationships

- AD DS site roles.
- Site and replication management.
- Approval relationships: overview and configuration.

### Hands-on work

Creation of AD DS sites and replications. Implement approval relationships.

## 8 Service maintenance and troubleshooting

- FSMO role management.
- AD DS database maintenance procedures.
- Troubleshooting replications.
- Backup and restore AD DS services.

### Hands-on work

Maintenance and backup of AD DS. Implement replication monitoring tools.

## Dates and locations

### REMOTE CLASS

2026 : 10 Mar., 19 May, 7 July, 13 Oct., 24 Nov.

### PARIS LA DÉFENSE

2026 : 19 May, 7 July, 13 Oct., 24 Nov.