orsys TRAINING 50 YEARS

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.

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.

(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.