Publication date : 04/17/2024

Course : Microsoft Azure, master Microsoft Entra ID

Practical course - 4d - 28h00 - Ref. AZD
Price : 2630 € E.T.

4,7 / 5

BEST

This course will enable you to master the Active Directory environment under Microsoft Azure. 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:

- Setting up an Active Directory in Microsoft Azure
- Perform routine administration tasks via interfaces and PowerShell
- Deploy GPOs to administer workstations and servers
- Securing Active Directory
- Backing up and restoring Active Directory
- Understanding Azure AD editions

Intended audience

Advanced technicians, system and network administrators and engineers.

Prerequisites

Basic knowledge of Microsoft Azure administration and Active Directory on Windows Server, or knowledge equivalent to that acquired in the course "Azure, implementation" (ref. AZM).

Course schedule

PARTICIPANTS

Advanced technicians, system and network administrators and engineers.

PREREQUISITES

Basic knowledge of Microsoft Azure administration and Active Directory on Windows Server, or knowledge equivalent to that acquired in the course "Azure, implementation" (ref. AZM).

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.

1 Architecture

- Azure vocabulary in this ecosystem.
- Manage subscription, support and billing.
- Tools and SDKs: Visual Studio, Azure PowerShell, Azure SDK and Azure CLI.
- Comparison of Windows Server Active Directory and Microsoft Entra ID.
- The different editions of Azure AD: Free, Basic and Premium.

Hands-on work

Implement Microsoft Entra ID in Azure.

2 Object management

- Microsoft Entra ID management interfaces
- Managing objects in PowerShell.
- Managed service accounts and privileged access.
- Authentication strategies.
- SSPR password recovery

Hands-on work

Create and modify Azure Active Directory objects, service accounts and authentication policies.

3 Microsoft Entra Id Domain services

- Operating principle.
- Central warehouse and WMI filtering.
- Inheritance, blocking and filtering.

Hands-on work

Create a central store, GPO to secure stations and servers on Azure.

4 Maintenance and monitoring

- Azure AD Connect tools.
- AD to Microsoft Entra ID on Azure.
- Predefined reports.

Hands-on work

Synchronize a forest with Azure AD Connect. Synchronize Microsoft Entra ID with a local AD. Monitor AD and Microsoft Entra ID activity by generating reports.

5 Administrator roles, groups and administrative units

- Roles Microsoft Entra ID.
- Synchronization management
- Overview of governance and role configuration

Hands-on work

Configure and manage roles (IAM/RBAC). Define role catalogs for administration groups.

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 to review your request and its feasibility.

6 User, group and applications

- User-based role provisioning and addition.
- Manage and add group-based roles.
- Customization of the authentication page visual.
- SAAS, PAAS and On Premise application registrations

Hands-on work
Add self-service applications, one device on one user.

7 Security

- Enhanced security with MFA (Multi-Factor Authentication).
- Authentication modes.
- Multi-factor authentication (Cloud and on-premises/MFA server).
- Protecting resources.

Hands-on work
Configurer des accès conditionnels. Configurer le serveur MFA pour la protection des ressources et des utilisateurs.

Dates and locations

REMOTE CLASS
2026 : 24 Mar., 7 Apr., 9 June, 16 June, 11 Aug., 15 Sep., 13 Oct., 10 Nov., 1 Dec.

PARIS LA DÉFENSE
2026 : 7 Apr., 9 June, 11 Aug., 13 Oct., 1 Dec.

BRUXELLES
2026 : 7 Apr.