

# Microsoft Azure: Implementation

Hands-on course of 4 days - 28h

Ref.: AZM - Price 2024: CHF2 990 (excl. taxes)

## EDUCATIONAL OBJECTIVES

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

Describe the components of Microsoft Azure's architecture

Create and configure virtual machines in Microsoft Azure

Implement storage solutions

Use Azure mobile services

## THE PROGRAMME

last updated: 06/2022

### 1) Architecture and management tools

- Basic cloud concepts.
- Principles and terminology of Azure in this ecosystem.
- Managing subscriptions, support, and billing.
- Tools and software development kit (SDK): Visual Studio, Azure PowerShell, Azure SDK, and Azure CLI.

*Hands-on work* : Discovering the platform. Working with management tools.

### 2) Virtual machines

- Creating and configuring Windows and Linux virtual machines.
- Sizing and scaling virtual machines.
- Configuring drives.

*Hands-on work* : Creating, configuring, and monitoring virtual machines.

### 3) Web Apps and cloud services

- Creating and configuring Web apps.
- Deploying and monitoring Web apps.
- Creating and deploying Cloud services.

*Hands-on work* : Deploying and configuring websites.

### 4) Mobile Apps and cloud services

- Creating and configuring Mobile apps.
- Deploying and monitoring Mobile apps.
- The Azure Mobile Engagement service.
- Mobile and Web App Services.

*Hands-on work* : Creating and configuring mobile services.

### 5) Virtual networks

- Getting started with virtual networks.
- Creating and configuring virtual networks.
- Getting started with Azure load balancing.

*Hands-on work* : Implementing and configuring virtual networks.

### 6) Windows Azure Cloud Storage

- Discovering cloud storage.

## 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

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.

- Creating and managing storage.

*Hands-on work : Implementing storage.*

## 7) Databases

- Overview of database deployment options.
- Creating and connecting Azure SQL databases.
- Creating and connecting NoSQL DBs.
- Overview of Document NoDb.

*Hands-on work : Implementing a database connection.*

## 8) Creating and managing Azure Active Directory

- Overview of Azure Active Directory.
- Schema, classes, and attributes.
- Managing Azure Active Directory authentication.
- Azure Multi-Factor Authentication.
- Security-related information.

*Hands-on work : Implementing Azure Active Directory authentication. Working with basic options.*

# DATES

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## REMOTE CLASS

2025 : 25 Mar, 03 Jun, 30 Sep, 30  
Dec