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.

- 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

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