

# Azure Administrator (Microsoft MS AZ-104) official course AZ-104T00, exam preparation

Hands-on course of 4 days - 28h

Ref.: AZC - Price 2024: €3 270 (excl. taxes)

## TEACHING METHODS

Training delivered in French. Official Microsoft course materials (digital MOC) in English.

## CERTIFICATION

This course is preparation for Microsoft Certified Azure Administrator Associate certification via exam AZ-104.

## THE PROGRAMME

last updated: 06/2022

### 1) Azure Active Directory identity management

- Securing and managing identities Azure Active Directory.
- Implementing and managing users and groups.

### 2) Management of Azure subscriptions and resources

- Managing Azure subscriptions and accounts.
- Analyzing resource use and consumption.
- Managing resource groups.
- Managing RBAC (role-based access control)

### 3) Azure administration

- Azure Resource Manager.
- Azure Portal and Cloud Shell.
- Azure PowerShell and CLI.
- ARM templates (for deploying resources).

*Hands-on work* : Getting started with the tools used by the Azure administrator for managing its infrastructure.

### 4) Configuration and management of virtual networks

- Virtual networks and subnets.
- IP addressing.
- Network security groups
- Azure firewall.
- Azure DNS.

*Hands-on work* : Virtual network implementation case.

### 5) Inter-site connectivity

- Virtual network peering
- VNet-to-VNet connections.
- ExpressRoute connections.

*Hands-on work* : Connecting VNet Peering. Configuring VPN gateways. Choosing the right intersite connectivity solution.

### 6) Network traffic management

- Azure Application Gateway.

## 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 to review your request and its feasibility.

- Traffic manager
- Network traffic strategies.
- Network routing and endpoints.
- Azure load balancing.

*Hands-on work : Traffic management implementation case.*

### 7) Azure storage

- Storage accounts.
- Azure blob storage (blob containers).
- Storage security
- Azure files and File Sync.
- Storage management with tools like Storage Explorer.

*Hands-on work : Practicing with basic storage features.*

### 8) Azure virtual machines

- Planning virtual machines.
- Creating virtual machines.
- Availability of virtual machines.
- Extensions of virtual machines.

*Hands-on work : Real cases in virtual machine management.*

### 9) Serverless computing.

- Azure App Service Plans.
- Azure App Service.
- Container Services.
- Azure Kubernetes Service.

*Hands-on work : Exercises for administering serverless computing functions such as Azure App Service, Azure Container Instances, and Kubernetes.*

### 10) Data protection

- Backing up files and folders.
- Backing up virtual machines.

*Hands-on work : Real cases in implementing data protection.*

### 11) Monitoring

- Azure Monitor.
- Azure Alerts.
- Log analysis.
- Network Watcher.

*Hands-on work : Real cases in implementing Azure infrastructure monitoring.*

## DATES

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REMOTE CLASS

2024 : 03 Sep, 10 Dec