

---

# Microsoft Azure Fundamentals

## Description

This official Microsoft course will provide foundational level knowledge on cloud concepts; core Azure services; security, privacy, compliance, and trust; and Azure pricing and support. This course provides an Azure pass and time for students to participate in hands-on labs.

### Classroom Registration Price (CHF)

900

### Virtual Classroom Registration Price (CHF)

850

### Course Content

#### Module 1: Cloud Concepts

- Why Cloud Services
- Types of Cloud models
- Types of Cloud services

#### Module 2: Core Azure Services

- Core Azure Architectural components
- Core Azure Services and Products
- Azure Solutions
- Azure management tools

#### Module 3: Security, Privacy, Compliance, and Trust

- Secure network connectivity
- Core Azure identity services
- Security tools and features
- Azure governance methodologies
- Monitoring and reporting
- Privacy, compliance, and data protection standards

#### Module 4: Azure Pricing and Support

- Azure subscriptions
- Planning and managing costs
- Azure support options
- Azure Service Level Agreements (SLAs)
- Service lifecycle in Azure

### Lab / Exercises

#### Microsoft Official Labs:

- Create a virtual machine
- Deploy Azure container instances
- Create a virtual network
- Create blob storage

- 
- Create a SQL database
  - Implement an Azure IoT Hub
  - Implement Azure Functions
  - Create a web app
  - Create a VM with a Template
  - Create a VM with PowerShell
  - Create a VM with CLI
  - Secure network traffic
  - Implement Azure key vault
  - Create an Azure Policy
  - Manage access with RBAC
  - Manage resource locks
  - Implement resource tagging
  - Exploring the Trust Center
  - Use the Azure Pricing Calculator
  - Use the Azure TCO Calculator
  - Open a Support request
  - Calculate composite SLAs
  - Access Azure Preview features

### Documentation

- Access to Microsoft Learn (online learning content)

### Exam

- This course prepares for the certification AZ-900: Microsoft Azure Fundamentals
- If you wish to take this exam, please select it when you add the course to your basket

### Participant profiles

- IT professionals who are just beginning to work with Azure

### Prerequisites

- No prerequisites

### Objectives

- Define cloud computing and its key advantages
- Explain public, private, and hybrid cloud models
- Explain IaaS, PaaS, and SaaS cloud services
- Identify usage cases for Azure solutions, such as the Internet of Things and Machine Learning
- Identify what Azure management tools are available such as Azure PowerShell and the CLI
- Describe virtual network security connectivity options such as Network Security Groups
- Describe Azure identity authentication and authorization options
- Describe usage cases for the Security Center, Key vault, threat and information protection options
- Explain Azure support options
- Describe Azure SLAs
- Explain Azure service lifecycles

### Niveau

Fondamental

### Duration (in Days)

---

1

**Reference**

AZ-900T01