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

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- 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)

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Reference
AZ-900T01

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