



# Microsoft Azure Fundamentals (AZ-900)

## Description

### Enhance Your Skills with the AZ-900 Certification

Are you ready to explore the world of cloud computing and master the fundamentals of Microsoft Azure? This AZ-900 certification training provides you with a solid foundation on Azure services, security principles, and resource management. Whether you're a beginner or looking to deepen your knowledge, this practical course guides you through essential cloud concepts, core Azure services, and best practices in governance and compliance.

### Understanding Microsoft Azure Fundamentals (AZ-900)

Upon completing this training, you will have acquired the necessary skills to navigate the Azure environment, manage subscriptions, and understand the security challenges in a public cloud context. Benefit from a structured learning experience to prepare yourself for the next steps in your career as a certified Microsoft Azure professional.

## 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

## **Description**

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## **Niveau**

Fondamental

## **Classroom Registration Price (CHF)**

900

## **Virtual Classroom Registration Price (CHF)**

850

## **Duration (in Days)**

1

## **Reference**

AZ-900T01