



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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Classroom Registration Price (CHF)

900

Virtual Classroom Registration Price (CHF)

850

Duration (in Days)

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Reference

AZ-900T01