



AZ-900T00: Microsoft® Azure® Fundamentals

Duration: 2 Days

Method: Instructor-Led Training (ILT) | Live Online Training

Certification: Microsoft Certified: Azure Fundamentals —
Exam: AZ-900: Microsoft Azure Fundamentals

Course Description

This course will provide foundational level knowledge on cloud concepts, core Azure services; security, privacy, compliance, and trust; and Azure pricing and support. It can be taken as an optional first step in learning about cloud services and Microsoft Azure, before taking further Microsoft Azure or Microsoft cloud services courses. The course will cover general cloud computing concepts as well as general cloud computing models and services such as Public, Private and Hybrid cloud and Infrastructure-as-a-Service (IaaS), Platform-as-a-Service (PaaS) and Software-as-a-Service (SaaS). It will also cover some core Azure services and solutions, as well as key Azure pillar services concerning security, privacy, compliance, and trust. Finally, it will also cover pricing and support services available with Azure. This course provides an Azure pass and time for participants to participate in hands-on labs.

NOTE: If you do not need hands-on experience, consider the AZ-900T01: Microsoft Azure Fundamentals (1 day) course. The content for both courses aligns to the AZ-900 exam objective domain.

Target Audience

This course is intended for:

- Administrator
- AI Engineer
- Data Analyst
- Data Engineer
- Data Scientist
- Database Administrator,
- Developer
- Security Engineer
- Anyone that wants to learn more about Microsoft Azure.



Prerequisites

There are no prerequisites to take this course. However, it would be beneficial if participants have some general IT knowledge or experience.

NOTE: However, the more technical knowledge a participant has the more they will understand about the cloud.

Course Objectives

Upon successful completion of this course, attendees will be able to:

- Discuss the basics of cloud computing and Azure, and how to get started with Azure's subscriptions and accounts.
- Describe the advantages of using cloud computing services, learning to differentiate between the categories and types of cloud computing, and how to examine the various concepts, resources, and terminology that are necessary to work with Azure architecture.
- Outline the core services available with Microsoft Azure.
- Discuss the core solutions that encompass a wide array of tools and services from Microsoft Azure.
- Describe the general security and network security features, and how you can use the various Azure services to help ensure that your cloud resources are safe, secure, and trusted.
- Discuss the identity, governance, privacy, and compliance features, and how Azure can help them secure access to cloud resources, what it means to build a cloud governance strategy, and how Azure adheres to common regulatory and compliance standards.
- Discuss the factors that influence cost, tools you can use to help estimate and manage your cloud spend, and how Azure's service-level agreements (SLAs) can impact your application design decisions.

Course Topics

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, Service Level Agreements (SLAs), and Lifecycle

- Azure Subscriptions
- Planning and Managing Costs
- Azure Service Level Agreements (SLAs)
- Service Lifecycle in Azure

LABS INCLUDED

