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# AZ-900T01 Microsoft Azure Fundamentals

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## Class Length

1 Day

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## Overview

This one-day course will provide foundational level knowledge on Azure concepts; core Azure services; core solutions and management tools; general security and network security; governance, privacy, and compliance features; Azure cost management and service level agreements. Note: This course does not provide an Azure pass or time for students to participate in hands-on labs. If you are interested in a more interactive hands-on lab experience, consider the AZ- 900T00: Microsoft Azure Fundamentals (2 day) course, which includes trainer-directed hands-on labs. The content for both courses align to the AZ-900 exam objective domain.

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## Prerequisite Comments

There are no pre-requisites for taking this course.

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## Target Audience

This course is suitable for program managers and technical sales, with a general IT background. These students want to learn about our offerings, see how components are implemented, and ask questions about products and features. This course does not provide an Azure pass or time in the classroom for students to do any hands-on activities. Students can get a free trial and do the walkthroughs outside of class. This course is primarily lecture and demonstrations. This course will help prepare someone for the AZ-900 exam.

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## Course Objectives

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.

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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 you 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.

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## **Course Outline**

### **1 - Describe core Azure concepts**

- Introduction to Azure fundamentals
- Discuss Azure fundamental concepts
- Describe core Azure architectural components

### **2 - Describe core Azure services**

- Explore Azure database and analytics services
- Explore Azure compute services
- Explore Azure Storage services
- Explore Azure networking services

### **3 - Describe core solutions and management tools on Azure**

- Choose the best AI service for your needs
- Choose the best tools to help organizations build better solutions
- Choose the best monitoring service for visibility, insight, and outage mitigation
- Choose the best tools for managing and configuring your Azure environment
- Choose the best Azure serverless technology for your business scenario
- Choose the best Azure IoT service for your application

### **4 - Describe general security and network security features**

- Protect against security threats on Azure
- Secure network connectivity on Azure

### **5 - Describe identity, governance, privacy, and compliance features**

- Secure access to your applications by using Azure identity services
- Build a cloud governance strategy on Azure
- Examine privacy, compliance, and data protection standards on Azure

## 6 - Describe Azure cost management and service level agreements

Plan and manage your Azure costs

Choose the right Azure services by examining SLAs and service lifecycle