

## Microsoft Azure Fundamentals

CODICE	AZ-900T01
DURATA	1 gg
PREZZO	350,00 €
EXAM	

### DESCRIZIONE

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This course will provide foundational level knowledge of cloud services and how those services are provided with Microsoft Azure. The course 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. It will finally cover pricing and support services available with Azure.

This course helps prepare students for Exam AZ-900. Passing this exam is required to earn the Microsoft Certified Azure Fundamentals certification.

### OBIETTIVI RAGGIUNTI

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- 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 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.

## **TARGET**

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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.

## **PREREQUISTI**

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There are no prerequisites for taking this course. However, the more technical knowledge a student has, the more they will understand about the cloud.

## **CONTENUTI**

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### **Module 1: Cloud Concepts**

In this module you will learn basic cloud concepts.

#### **Lessons**

- Learning Objectives
- Why Cloud Services?
- Infrastructure-as-a-Service (IaaS), Platform-as-a-Service (PaaS) and Software-as-a-Service (SaaS)
- Public, Private, and Hybrid cloud models

After completing this module, students will be able:

- Understand general cloud computing concepts

### **Module 2: Core Azure Services**

In this module you will learn the basics core services available with Microsoft Azure.

#### **Lessons**

- Core Azure architectural components
- Core Azure Services and Products
- Azure Solutions
- Azure management tools

After completing this module, students will be able:

- Understand core services available with Microsoft Azure

## Module 3: Security, Privacy, Compliance and Trust

In this module, you learn about security, privacy, compliance, and trust with Microsoft Azure.

### Lessons

- Securing network connectivity in Azure
- Core Azure Identity services
- Security tools and features
- Azure governance methodologies
- Monitoring and Reporting in Azure
- Privacy, Compliance and Data Protection standards in Azure

After completing this module, students will be able:

- Understand security, privacy, compliance and trust with Microsoft Azure

## Module 4: Azure Pricing and Support

In this module, you will focus on pricing and support models available with Microsoft.

### Lessons

- Azure subscriptions
- Planning and managing costs
- Support options available with Azure
- Service lifecycle in Azure

After completing this module, students will be able:

- Understand pricing and support models available with Microsoft