

## Developing solutions for Microsoft Azure

CODICE	AZ-204T00
DURATA	5 gg
PREZZO	1.700,00 €
EXAM	

### DESCRIZIONE

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This course teaches developers how to create end-to-end solutions in Microsoft Azure. Students will learn how to implement Azure compute solutions, create Azure Functions, implement and manage web apps, develop solutions utilizing Azure storage, implement authentication and authorization, and secure their solutions by using KeyVault and Managed Identities. Students will also learn how to connect to and consume Azure services and third-party services, and include event- and message-based models in their solutions. The course also covers monitoring, troubleshooting, and optimizing Azure solutions.

\*\* Il 29 maggio 2026 questo corso è stato ritirato ed è stato sostituito da [AI-200T00 Develop AI cloud solutions on Microsoft Azure](#)

### TARGET

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Students in this course are interested in Azure development or in passing the Microsoft Azure Developer Associate certification exam.

### PREREQUISTI

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To be successful in this course, learners should have the following:

- Hands-on experience with Azure IaaS and PaaS solutions, and the Azure Portal.
- Experience writing in an Azure supported language at the intermediate level. (C#, JavaScript, Python, or Java)
- Ability to write code to connect and perform operations on, a SQL or NoSQL database product. (SQL Server, Oracle, MongoDB, Cassandra or similar)
- Experience writing code to handle authentication, authorization, and other security principles at the intermediate level.
- A general understanding of HTML, the HTTP protocol and REST API interfaces.

If you are new to Azure and cloud computing consider one of the following resources:

- Free online: Azure Fundamentals (<https://docs.microsoft.com/learn/paths/azure-fundamentals/>)
- Instructor-led course: AZ-900: Azure Fundamentals (<https://docs.microsoft.com/learn/certifications/courses/az-900t01>)

## CONTENUTI

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### Implement Azure App Service web apps

- Explore Azure App Service
- Configure web app settings
- Scale apps in Azure App Service
- Explore Azure App Service deployment slots

### Implement Azure Functions

- Explore Azure Functions
- Develop Azure Functions

### Develop solutions that use Blob storage

- Explore Azure Blob storage
- Manage the Azure Blob storage lifecycle
- Work with Azure Blob storage

### Develop solutions that use Azure Cosmos DB

- Explore Azure Cosmos DB
- Work with Azure Cosmos DB

### Implement containerized solutions

- Manage container images in Azure Container Registry
- Run container images in Azure Container Instances
- Implement Azure Container Apps

### Implement user authentication and authorization

- Explore the Microsoft identity platform
- Implement authentication by using the Microsoft Authentication Library
- Implement shared access signatures
- Explore Microsoft Graph

## Implement secure Azure solutions

- Implement Azure Key Vault
- Implement managed identities
- Implement Azure App Configuration

## Implement API Management

- Explore API Management

## Develop event-based solutions

- Explore Azure Event Grid
- Explore Azure Event Hubs

## Develop message-based solutions

- Discover Azure message queues

## Troubleshoot solutions by using Application Insights

- Monitor app performance

## Implement caching for solutions

- Develop for Azure Cache for Redis
- Develop for storage on CDNs