Developing solutions for Microsoft Azure

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

DESCRIZIONE



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

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

PREREQUISTI

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

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