AZ-204T00 - Developing Solutions for Microsoft Azure

Microsoft - Microsoft Azure - Virtualizzazione e Cloud

Durata:	Lingue:	Certificazione:
5 Giorni	**Italiano**	**Microsoft Certified: Azure Developer Associate**

Descrizione del corso

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.
This course is part of the following Certifications: Microsoft Certified: Azure Developer Associate

Prerequisites

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.

Programma

Module 1: Implement Azure App Service web apps

- Explore Azure App Service

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

Module 2: Implement Azure Functions

- Explore Azure Functions
- Develop Azure Functions

Module 3: Develop Solutions That Use Blob Storage

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

Module 4: Implement IaaS Solutions

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

Module 5: Implement containerized solutions

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

Module 6: 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

Module 7: Implement secure Azure solutions

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

Module 8: Implement API Management

- Explore API Management

Module 9: Develop event-based solutions

- Explore Azure Event Grid
- Explore Azure Event Hubs

Module 10: Develop message-based solutions

- Discover Azure message queues

Module 11: Troubleshoot solutions by using Application Insights

- Monitor app performance