

# Developing Solutions for Microsoft Azure (AZ-204)



## Table of content:

### Module 1 Explore Azure App Service

- Explore Azure App Service
- 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
- Implement Durable 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 Develop solutions that use Azure Cosmos DB

- Explore Azure Cosmos DB
- Implement partitioning in Azure Cosmos DB
- Work with Azure Cosmos DB

### Module 5 Implement infrastructure as a service solution

- Provision virtual machines in Azure
- Create and deploy Azure Resource Manager templates
- Manage container images in Azure Container Registry
- Run container images in Azure Container Instances

### 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 cloud 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 Instrument solutions to support monitoring and logging

- Monitor app performance

Module 12 Integrate caching and content delivery within solutions

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

