Training: Microsoft
AZ-204T00 Developing Solutions for Microsoft Azure

Gold Microsoft Partner

TRANING TERMS

2026-01-19 | 5 days | Warszawa / Virtual Classroom
2026-01-26 | 5 days | Kraków / Virtual Classroom
2026-01-26 | 5 days | Warszawa / Virtual Classroom
2026-02-16 | 5 days | Kraków / Virtual Classroom
2026-02-16 | 5 days | Warszawa / Virtual Classroom
2026-03-09 | 5 days | Kraków / Virtual Classroom
2026-03-09 | 5 days | Warszawa / Virtual Classroom
2026-04-20 | 5 days | Kraków / Virtual Classroom
2026-04-20 | 5 days | Warszawa / Virtual Classroom
2026-05-11 | 5 days | Kraków / Virtual Classroom
2026-05-11 | 5 days | Warszawa / Virtual Classroom
2026-06-15 | 5 days | Kraków / Virtual Classroom
2026-06-15 | 5 days | Warszawa / Virtual Classroom

TRAINING GOALS:

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.

Audience profile:

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

CONSPECT:

- Creating Azure App Service Web Apps
  - Azure App Service core concepts
  - Creating an Azure App Service Web App
  - Configuring and Monitoring App Service apps
  - Scaling App Service apps

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- Azure App Service staging environments
- Implement Azure functions
  - Azure Functions overview
  - Developing Azure Functions
  - Implement Durable Functions
- Develop solutions that use blob storage
  - Azure Blob storage core concepts
  - Managing the Azure Blob storage lifecycle
  - Working with Azure Blob storage
- Develop solutions that use Cosmos DB storage
  - Azure Cosmos DB overview
  - Azure Cosmos DB data structure
  - Working with Azure Cosmos DB resources and data
- Implement IaaS solutions
  - Provisioning VMs in Azure
  - Create and deploy ARM templates
  - Create container images for solutions
  - Publish a container image to Azure Container Registry
  - Create and run container images in Azure Container Instances
- Implement user authentication and authorization
  - Microsoft Identity Platform v2.0
  - Authentication using the Microsoft Authentication Library
  - Using Microsoft Graph
  - Authorizing data operations in Azure Storage
- Implement secure cloud solutions
  - Manage keys, secrets, and certificates by using the KeyVault API
  - Implement Managed Identities for Azure resources
  - Secure app configuration data by using Azure App Configuration
- Implement API Management
  - API Management overview
  - Defining policies for APIs
  - Securing your APIs
- Develop App Service Logic Apps
  - Azure Logic Apps overview
  - Creating custom connectors for Logic Apps
- Develop event-based solutions

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- Implement solutions that use Azure Event Grid
- Implement solutions that use Azure Event Hubs
- Implement solutions that use Azure Notification Hubs

- Develop message-based solutions
  - Implement solutions that use Azure Service Bus
  - Implement solutions that use Azure Queue Storage queues
- Monitor and optimize Azure solutions
  - Overview of monitoring in Azure
  - Instrument an app for monitoring
  - Analyzing and troubleshooting apps
  - Implement code that handles transient faults
- Integrate caching and content delivery within solutions
  - Develop for Azure Cache for Redis
  - Develop for storage on CDNs

REQUIREMENTS:

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.

Difficulty level

CERTIFICATE:

Certificate of completing an authorized Microsoft training.

TRAINER:

Microsoft Certified Trainer.

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