

## **AZURE DEVELOPER ASSOCIATE - (AZ-204)**

### **1. Azure Fundamentals (optional prerequisite)**

- 1.1 Understanding Azure pricing, SLA, and lifecycle
- 1.2 Azure services and solutions

### **2. Develop Azure Compute Solutions**

- 2.1 Create and manage Azure App Service Web Apps
- 2.2 Implement Azure Functions
- 2.3 Develop solutions that use Azure Kubernetes Service
- 2.4 Develop solutions that use Azure Container Instances
- 2.5 Implement Azure Logic Apps

### **3. Develop for Azure Storage**

- 3.1 Develop solutions that use Azure Blob storage
- 3.2 Develop solutions that use Azure Cosmos DB storage
- 3.3 Develop solutions that use Azure Table storage
- 3.4 Develop solutions that use Azure Queue Storage

### **4. Implement Azure Security**

- 4.1 Implement user authentication and authorization
- 4.2 Implement secure cloud solutions
- 4.3 Implement Azure Key Vault

### **5. Monitoring, Troubleshooting, and Optimizing Azure Solutions**

- 5.1 Integrate caching and content delivery within solutions
- 5.2 Instrument solutions to support monitoring and logging
- 5.3 Monitor and optimize Azure solutions



## 5.4 Troubleshoot Azure solutions

## 6. Connect to and Consume Azure Services and Third-party Services

- 6.1 Develop an App Service Logic App
- 6.2 Implement API Management
- 6.3 Develop event-based solutions
- 6.4 Develop message-based solutions

## 7. Working with APIs

- 7.1 Consuming external HTTP services
- 7.2 Handling long-running asynchronous tasks with Azure Durable Functions
- 7.3 Secure your APIs with Azure API Management

## 8. Azure DevOps and CI/CD Pipelines

- 8.1 Creating CI/CD pipelines using Azure DevOps
- 8.2 Implementing Continuous Integration and Continuous Deployment (CI/CD)

## 9. Serverless Computing and Event-Driven Architectures

- 9.1 Building serverless applications using Azure Functions
- 9.2 Designing and implementing event-driven architectures

## 10. Azure Cognitive Services (optional)

- 10.1 Understanding Azure Cognitive Services and their usage in applications

## 11. Azure IoT (optional)

- 11.1 Introduction to Azure IoT and IoT Hub



## 11.2 Developing IoT solutions on Azure



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