Microsoft Azure Developer: Introduction to the AZ-204 Exam

MAPPING OUT YOUR JOURNEY



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What Is the AZ-204 Exam?



Build Cloud Applications and Services

Azure Developer Associate

What Topics Does The Exam Cover?



Develop Azure Compute Solutions



Develop for Azure Storage



Implement Azure Security



Monitor, troubleshoot, and optimize Azure Solutions

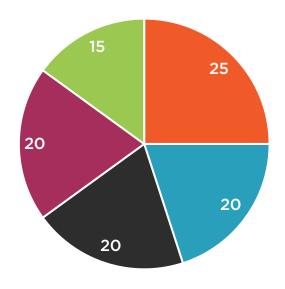


Connect to and consume Azure Services and third-party services



What Topics Does The Exam Cover?





- Develop Azure Compute Solutions
- Develop for Azure Storage
- Implement Azure Security
- Monitor, troubleshoot, and optimize Azure solutions
- Connect to and consume Azure services and third-party services

Exam Breakdown

- (25-30%) Develop Azure Compute Solutions
- (20-25%) Implement Azure Security
- (15-20%) Connect to and consume Azure services and third-party services
- (15-20%) Develop for Azure Storage
- (15-20%) Monitor, troubleshoot, and optimize Azure solutions



Develop Azure Compute Solutions

Implement laaS Solutions

- Provision Virtual Machines (VMs)
- Configure, validate, and deploy ARM templates
- Configure container images for solutions
- Publish an image to the Azure Container Registry
- Run containers by using Azure Container Instance

Create Azure App Service Web Apps

- Create an Azure App Service Web App
- Enable diagnostic logging
- Deploy code to a web app
- Configure web app settings
- Implement autoscaling rules, including scheduled autoscaling, and scaling by operational or system metrics

Implement Azure Functions

- Create and deploy Azure Functions
- Implement input and output bindings for a function
- Implement function triggers by using data operations, timers, and webhooks
- Implement Azure Durable Functions
- Implement custom handlers



Implement Azure Security

Implement User Authentication and Authorization

- Authenticate and authorize users by using the Microsoft Identity Platform
- Authenticate and authorize users and apps by using Azure Active Directory
- Create and implement shared access signatures

Implement Secure Cloud Solutions

- Secure app configuration data by using the App Configuration and Azure Key Vault
- Develop code that uses keys, secrets, and certificates stored in Azure Key Vault
- Implement solutions that interact with Microsoft Graph



Connect to and Consume Azure Services and Third-party Services

Implement API Management

- Create an APIM instance
- Configure authentication for APIs
- Define policies for APIs

Develop Event-Based Solutions

- Implement solutions that use Azure Event Grid
- Implement solutions that use Azure Event Hub

Develop Message-Based Solutions

- Implement solutions that use Azure Service Bus
- Implement solutions that use Azure Queue Storage Queues



Develop for Azure Storage

Develop Solutions that use Cosmos DB Storage

- Select the appropriate API and SDK for a solution
- Implement partitioning schemes and partition keys
- Perform operations on data and Cosmos DB containers
- Set the appropriate consistency level for operations
- Manage change feed notifications



Monitor, Troubleshoot, and Optimize Azure Solutions

Integrate Caching and Content Delivery Within Solutions

- Configure cache and expiration policies for Azure Redis cache
- Implement secure and optimized application cache patterns including data sizing, connections, encryption, and expiration

Instrument Solutions to Support Monitoring and Logging

- Configure an app or service to use Application Insights
- Analyze and troubleshoot solutions by using Azure Monitor
- Implement Application Insights web tests and alerts

