

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

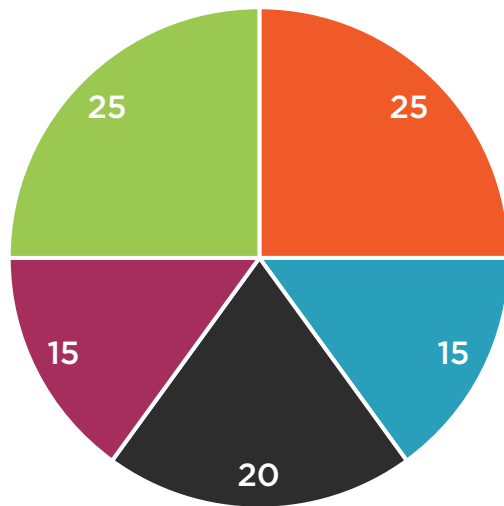


Connect to and consume Azure Services and third-party services



What Topics Does The Exam Cover?

AZ-204



- 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
- (25-30%) - Connect to and consume Azure services and third-party services
- (15-20%) - Implement Azure Security
- (10-15%) - Develop for Azure Storage
- (10-15%) - Monitor, troubleshoot, and optimize Azure solutions



Develop Azure Compute Solutions

Implement IaaS Solutions

- Provision VMs
- Configure VMs for remote access
- Create ARM templates
- Create container images for solutions by using Docker
- Publish an image to the Azure Container Registry
- Run Containers by using Azure Container Instance
- Azure Kubernetes Service (AKS) is out of scope

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 including SSL, API, and connection strings
- Implement autoscaling rules, including scheduled autoscaling, and scaling by operational or system metrics

Implement Azure Functions

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



Connect to and Consume Azure Services and Third-party Services

Develop an App Service Logic App

- Create a Logic App
- Create a custom connector for Logic Apps
- Create a custom template for Logic Apps

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 Notification Hubs
- 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



Implement Azure Security

Implement User Authentication and Authorization

- Implement OAuth2 authentication
- Create and implement shared access signatures
- Register apps and use Azure Active Directory to authenticate users
- Control access to resources by using role-based access controls (RBAC)

Implement Secure Cloud Solutions

- Secure app configuration data by using the App Configuration and KeyVault API
- Manage keys, secrets, and certificates by using the KeyVault API
- Implement Managed Identities for Azure resources



Monitor, Troubleshoot, and Optimize Azure Solutions

Integrate Caching and Content Delivery Within Solutions

- Develop code to implement CDNs in solutions
- Configure cache and expiration policies for FrontDoor, CDNs, or Redis caches Store and retrieve data in Azure Redis cache.

Instrument Solutions to Support Monitoring and Logging

- Configure instrumentation in an app or service by using Application Insights
- Analyze log data and troubleshoot solutions by using Azure Monitor
- Implement Application Insights Web Test and Alerts
- Implement code that handles transient faults

