

MICROSOFT

Microsoft Certified: Azure Developer Associate

Validate your technical skills and grow your career.

This certification demonstrates that the recipient is proficient in designing, building, testing and maintaining cloud-based applications and services on Microsoft Azure.

Why Take The Microsoft Certified: Azure Developer Associate AZ-204 Exam?

The need AI tech professionals is going to increase dramatically in the near future and passing the exam will help you secure an excellent position in the industry as an Azure Developer

Increase My: Salary

- The average salary for someone who holds a Microsoft Certified: Azure Developer Associate certification is around \$138,000 / year.

Be Part Of The Team:

- As an Azure Developer, you become part of the team that's dedicated to managing cloud-based or hybrid environments for your organization's cloud infrastructure.

Abilities Validated By The Certification:

- 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

Recommended Knowledge & Experience:

- Candidates should have previous knowledge and expertise designing, building, testing and maintaining cloud applications and services on Microsoft Azure
- 1-2 years professional development and experience with Microsoft Azure
- Ability programming in language(s) supported by Azure and proficiency in Azure SDK's, data storage options and connections, API's, app authentication and authorization, compute and container deployment, debugging, performance tuning and monitoring.

Exam Topics & Scoring:

AZ-204 Exam: Developing Solutions for Microsoft Azure

DEVELOP AZURE COMPUTE SOLUTIONS (25-30%)

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 diagnostics 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

DEVELOP FOR AZURE STORAGE (10-15%)

Develop solutions that use Cosmos DB storage

- select the appropriate API for your solution
- implement partitioning schemes
- interact with data using the appropriate SDK

- set the appropriate consistency level for operations
- create Cosmos DB containers
- implement scaling (partitions, containers)
- implement server-side programming including stored procedures, triggers, and change feed notifications

Develop solutions that use blob storage

- move items in Blob storage between storage accounts or containers
- set and retrieve properties and metadata
- interact with data using the appropriate SDK
- implement data archiving and retention
- implement hot, cool, and archive storage

IMPLEMENT AZURE SECURITY (15-20%)

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 (10-15%)

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

CONNECT TO AND CONSUME AZURE SERVICES AND THIRD-PARTY SERVICES (25- 30%)

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

Prepare for your exam:

The best way to prepare is with first-hand experience. Taking advantage of the opportunities that Phoenix TS provides will assist you with gathering all the knowledge and skills you'll need for certification.

Phoenix TS Microsoft Certified: Azure Developer Associate - Learning Pathways

• **AZ-204T00: Developing Solutions for Microsoft Azure**

Become proficient in Microsoft Azure by implementing Azure compute solutions, creating Azure Functions, and more.

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Exam Details

- Multiple choice, multiple answers
- Testing in person or online proctored exam
- 130 Min to take the test
- \$150 test fee
- Available in English, Japanese, Korean, and Simplified Chinese