



cloudthat



Microsoft

# EXAM AZ-204: DEVELOPING SOLUTIONS FOR MICROSOFT AZURE



Course Level:

Associate

Course Duration:

5 Days

## Course Overview:

CloudThat's exam AZ-204: Developing Solutions for Microsoft Azure certification training teaches candidates how to develop, deploy and maintain cloud solutions on Microsoft Azure. This course also teaches candidates how to develop Azure storage and compute solutions, monitor, troubleshoot, and optimize Azure solutions, as well as how to implement Azure security. This Azure 204 certification course is ideal for cloud developers who work with cloud administrators, cloud DBAs, and clients to implement solutions on Azure.

Taking up this training prepares candidates for the AZ-204 Microsoft exam, which meets the requirement for the Microsoft Certified Azure Developer Associate certification exam. Candidates attending our AZ-204 training get access to the authored curriculum and can learn through engaging and interactive sessions delivered by Microsoft-certified in-house trainers.

**NOTE:** The AZ-204 is the new version of AZ-203 exam which retired on August 31, 2020.



## Prerequisites

---

Students should have 1-2 years professional development experience and experience with Microsoft Azure. They must be able to program in an Azure Supported Language.

## Objectives

---



Develop Azure Infrastructure as a Service Compute Solutions



Develop Azure Platform as a Service 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

Do you want to make career as a Microsoft Certified Azure Developer Associate? Start your certification journey with AZ-204 certification training from CloudThat. Grab up to 30% discount on all Microsoft certification courses.

[Enroll Today!](#)



# Course Outline

---

## Module 1: Creating Azure App Service Web Apps

### Lessons:

- Azure App Service Core Concepts
- Creating an Azure App Service Web App
- Configuring and Monitoring App Service apps
- Scaling App Service apps
- Azure App Service Staging Environments

## Module 2: Implement Azure Functions

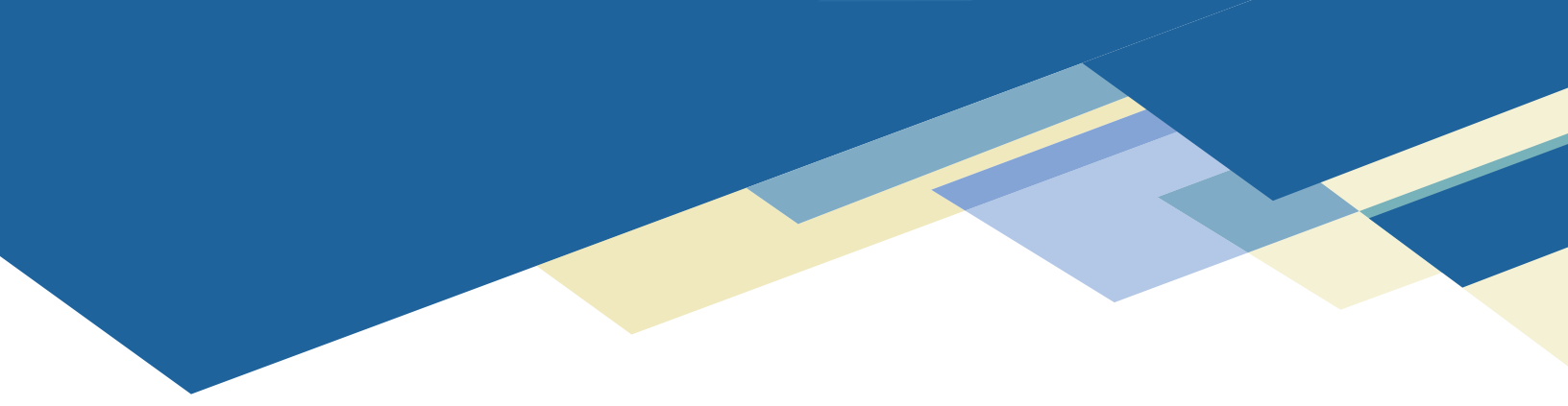
### Lessons:

- Azure Functions Overview
- Developing Azure Functions
- Implement Durable Functions

## Module 3: Develop Solutions that Use blob Storage

### Lessons:

- Azure Blob storage Core Concepts
- 

- 
- Managing the Azure Blob Storage Lifecycle
  - Working with Azure Blob Storage


## Module 4: Develop Solutions that Use cosmos DB

### Lessons:

- Azure Cosmos DB Overview
- Azure Cosmos DB Data Structure
- Working with Azure Cosmos DB Resources and Data

## Module 5: Implement IaaS Solutions

### Lessons:

- 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
- 



## Module 6: Implement User Authentication and Authorization

### Lessons:

- Microsoft Identity Platform v2.0
- Authentication using the Microsoft Authentication Library
- Using the Microsoft Graph
- Authorizing Data Operations in Azure Storage


## Module 7: Implement Secure Cloud Solutions

### Lessons:

- 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

## Module 8: Implement API Management

### Lessons:

- API Management Overview
  - Defining Policies for APIs
  - Securing your APIs
- 



## Module 9: Develop App Service Logic Apps

### Lessons:

- Azure Logic Apps Overview
- Creating Custom Connectors for Logic Apps


## Module 10: Develop Event-based Solutions

### Lessons:

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

## Module 11: Develop Message-based Solutions

### Lessons:

- Implement Solutions that use Azure Service Bus
  - Implement Solutions that use Azure Queue Storage queues
- 




## Module 12: Monitor and Optimize Azure Solutions

### Lessons:

- Overview of Monitoring in Azure
- Instrument an app for Monitoring
- Analyzing and Troubleshooting Apps
- Implement Code that Handles Transient Faults

## Module 13: Integrate Caching and Content Delivery within Solutions

### Lessons:

- Develop for Azure Cache for Redis
  - Develop for Storage on CDNs
- 

## Who Should Attend

Azure Developers who wish to get certified.

## About CloudThat

---

CloudThat is the first company in India to offer Cloud Training & Consulting services for mid-market & enterprise clients from across the globe. Since our inception in 2012, we have trained over 500K IT professionals from fortune 500 companies on technologies such as Microsoft Azure, Amazon Web Services, VMware, Artificial Intelligence, Machine Learning, Google Cloud, IoT, Dynamics 365, Power Platform, Power BI, HPE AI, DevOps, Big Data, Kubernetes, Terraform and more.

With expertise in all the major Cloud platforms, CloudThat is a proud Microsoft Gold Partner, AWS Authorized Training Partner, VMware Authorized Training Reseller, Google Cloud Platform Partner and HPE Learning Partner. Through sheer dedication and commitment towards customer excellence, we have been the winner of the Microsoft Asia Superstar Campaign for India – 2021 as well as recognized as the winner of Microsoft Learning Partner of the Year 2021 Finalist award. Recently, we have been recognized as the Microsoft 2022 Partner of the Year Finalist - Learning Award.

## Our Success Track

---

11+ Years  
of Experience

100+  
Corporates served

28+  
countries catered

650K+  
Professionals trained

300+  
Projects delivered

500+  
Cloud certifications

To know more about our VMware certification training, email at [sales@cloudthat.com](mailto:sales@cloudthat.com) or call us at **+918880002200**.