

AZ-204: Developing Solutions for Microsoft Azure
Course certification training

Course Agenda

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Course Curriculum

Module 1: Creating Azure App Service Web Apps

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

Azure Functions overview
Developing Azure Functions
Implement Durable Functions

Module 3: Develop solutions that use blob storage

Azure Blob storage core concepts
Managing the Azure Blob storage lifecycle
Working with Azure Blob storage

Module 4: Develop solutions that use Cosmos DB storage

Azure Cosmos DB overview
Azure Cosmos DB data structure
Working with Azure Cosmos DB resources and data

Module 5: Implement IaaS solutions

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

Microsoft Identity Platform v2.0
Authentication using the Microsoft Authentication Library
Using Microsoft Graph

Authorizing data operations in Azure Storage

Module 7: Implement secure cloud solutions

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 ManagementS

API Management overview

Defining policies for APIs

Securing your APIs

Module 9: Develop App Service Logic Apps

Azure Logic Apps overview

Creating custom connectors for Logic Apps

Module 10: Develop event-based solutions

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

Implement solutions that use Azure Service Bus

Implement solutions that use Azure Queue Storage queues

Module 12: Monitor and optimize Azure solutions

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

Develop for Azure Cache for Redis

Develop for storage on CDNs

