

AZ-203 Developing Solutions for Microsoft Azure

Course Overview

This six-MOC packaged set aligned to Azure Exam: Developing Solutions for Microsoft Azure contains courseware that helps prepare students for Exams AZ-203. Passing this exam is required to earn the Developing Solutions for Microsoft Azure certification.

Who Should Attend

Students that are interested in Azure development or in passing the Microsoft Azure Developer Associate certification exam.

Course Objectives

Please refer to Overview

Course Outline

1 IMPLEMENT SOLUTIONS THAT USE VIRTUAL MACHINES

- Provision VMs
- Create ARM templates
- Configure Azure Disk Encryption for VMs

2 IMPLEMENT BATCH JOBS BY USING AZURE BATCH SERVICES

- Azure Batch overview
- Run a batch job by using the Azure CLI and Azure Portal
- Run batch jobs by using code
- Manage batch jobs by using the Batch Service API

3 CREATE CONTAINERIZED SOLUTIONS

- Create an Azure Managed Kubernetes Service (AKS) cluster
- Create container images for solutions
- Publish an image to the Azure Container Registry
- Run containers by using Azure Container Instance or AKS

4 CREATE APP SERVICE WEB APPS

- Azure App Service core concepts
- Creating an Azure App Service web app
- Creating background tasks by using Web Jobs in Azure App Service

5 CREATING AZURE APP SERVICE MOBILE APPS

- Getting started with mobile apps in App Service
- Enable push notifications for your app
- Enable offline sync for your app

This is a 5-day class

Upcoming Dates

| Date | Time | Where |
|------------|------------------|-------------|
| 04/06/2020 | 11:00AM - 7:00PM | Online LIVE |
| 05/04/2020 | 9:00AM - 5:00PM | Online LIVE |
| 06/01/2020 | 9:00AM - 5:00PM | Online LIVE |
| 07/06/2020 | 11:00AM - 7:00PM | Online LIVE |

[View All Course Dates & Register Today](#)

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6 CREATE AZURE APP SERVICE API APPS

Creating APIs

Using Swagger to document an API

7 IMPLEMENT AZURE FUNCTIONS

Azure Functions overview

Develop Azure Functions using Visual Studio

Implement durable functions

8 DEVELOP SOLUTIONS THAT USE AZURE TABLE STORAGE

Azure Table storage overview

Authorization in Table storage

Table service REST API

9 DEVELOP SOLUTIONS THAT USE AZURE COSMOS DB STORAGE

Azure Cosmos DB overview

Managing containers and items

Create and update documents by using code

10 DEVELOP SOLUTIONS THAT USE A RELATIONAL DATABASE

Azure SQL overview

Create, read, update, and delete database tables by using code

11 DEVELOP SOLUTIONS THAT USE MICROSOFT AZURE BLOB STORAGE

Azure Blob storage overview

Working with Azure Blob storage

12 IMPLEMENT AUTHENTICATION

Microsoft identity platform

Implement OAuth2 authentication

Implement managed identities for Azure resources

Implement authentication by using certificates, forms-based authentication, or tokens

Implement multi-factor authentication

13 IMPLEMENT ACCESS CONTROL

Claims-based authorization

Role-based access control (RBAC) authorization

14 IMPLEMENT SECURE DATA SOLUTIONS

Encryption options

End-to-end encryption

Implement Azure confidential computing

Manage cryptographic keys in Azure Key Vault

15 INTRODUCTION TO AZURE MONITOR

Overview of Azure Monitor

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16 DEVELOP CODE TO SUPPORT SCALABILITY OF APPS AND SERVICES

Implement autoscale
Implement code that addresses singleton application instances
Implement code that handles transient faults

17 INSTRUMENT SOLUTIONS TO SUPPORT MONITORING AND LOGGING

Configure instrumentation in an app or server by using Application Insights
Analyze and troubleshoot solutions by using Azure Monitor

18 INTEGRATE CACHING AND CONTENT DELIVERY WITHIN SOLUTIONS

Azure Cache for Redis
Develop for storage on CDNs

19 DEVELOP AN APP SERVICE LOGIC APP

Azure Logic Apps overview
Create Logic Apps by using Visual Studio
Create custom connectors for Logic Apps
Create custom templates for Logic Apps

20 INTEGRATE AZURE SEARCH WITHIN SOLUTIONS

Create and query an Azure Search Index
Full text search in Azure Search

21 API MANAGEMENT

Introduction to the API Management service
Securing your APIs
Defining API policies

22 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

23 DEVELOP MESSAGE-BASED SOLUTIONS

Implement solutions that use Azure Service Bus
Implement solutions that use Azure Queue Storage queues