

Developing Solutions for Microsoft Azure (AZ-203)

Duration: **5 days**

Course Overview

This five day course is aligned to Azure Exam: AZ-203 Developing Solutions for Microsoft Azure and contains the following:

1. Develop Azure Infrastructure as a Service compute solutions
2. Develop Azure Platform as a Service compute solutions
3. Develop for Azure storage
4. Implement Azure security
5. Monitor, troubleshoot, and optimize Azure solutions
6. Connect to and consume Azure services and third-party services

Who should attend

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

Prerequisites

1. Students should have 1-2 years' experience as a developer. This course assumes students know how to code and have a fundamental knowledge of Azure.
2. It is recommended that students have some experience with PowerShell or Azure CLI, working in the Azure portal, and with at least one Azure-supported programming language. Most of the examples in this course are presented in C# .NET.

Course Content

1. Implement solutions that use virtual machines
2. Implement batch jobs by using Azure Batch Services
3. Create containerized solutions
4. Create App Service web apps
5. Creating Azure App Service mobile apps
6. Create Azure App Service API apps
7. Implement Azure Functions
8. Develop solutions that use Azure Table storage
9. Develop solutions that use Azure Cosmos DB storage
10. Develop solutions that use a relational database
11. Develop solutions that use Microsoft Azure Blob storage
12. Implement authentication
13. Implement access control
14. Implement secure data solutions

- 15. Introduction to Azure Monitor**
- 16. Develop code to support scalability of apps and services**
- 17. Instrument solutions to support monitoring and logging**
- 18. Integrate caching and content delivery within solutions**
- 19. Develop an App Service Logic App**
- 20. Integrate Azure Search within solutions**
- 21. API Management**
- 22. Develop event-based solutions**
- 23. Develop message-based solutions**