CertKit: Microsoft AZ-204: Developing Solutions for Microsoft Azure

This CertKit teaches developers how to create end-to-end solutions in Microsoft Azure. Students will learn how to implement Azure compute solutions, create Azure Functions, implement and manage web apps, develop solutions utilizing Azure storage, implement authentication and authorization, and secure their solutions by using KeyVault and Managed Identities. Students will also learn how to connect to and consume Azure services and third-party services and include event- and message-based models in their solutions. The course also covers monitoring, troubleshooting, and optimizing Azure solutions.

Prerequisites:
To be successful in this course, learners should have the following:
- Hands-on experience with Azure IaaS and PaaS solutions, and the Azure Portal.
- Experience writing in an Azure supported language (C#, JavaScript, Python, or Java)
- Ability to write code to connect and perform operations on, a SQL or NoSQL database product. (SQL Server, Oracle, MongoDB, Cassandra or similar)
- Experience writing code to handle authentication, authorization, and other security principles at the intermediate level.
- A general understanding of HTML, the HTTP protocol and REST API interfaces.

If you are new to Azure we recommend to start with the following course: AZ-900: Azure Fundamentals.

Course outcome:
- Create Azure App Service Web Apps
- Implement Azure functions
- Develop solutions that use blob storage
- Develop solutions that use Cosmos DB storage
- Implement IaaS solutions
- Implement user authentication and authorization
- Implement secure cloud solutions
- Implement API Management
- Develop App Service Logic Apps
- Develop event-based and message-based solutions
- Monitor and optimize Azure solutions
- Integrate caching and content delivery within solutions

Who should attend:
This course is for experienced programmers who want to develop and host solutions in Azure..

CertKit content:
- E-learning courses:
    - AZ-204 - Developing Solutions for Microsoft Azure: Virtual Machines
    - AZ-204 - Developing Solutions for Microsoft Azure: Resource Manager Templates
    - AZ-204 - Developing Solutions for Microsoft Azure: Azure Container Registry
    - AZ-204 - Developing Solutions for Microsoft Azure: Container Instances
    - AZ-204 - Developing Solutions for Microsoft Azure: App Service
    - AZ-204 - Developing Solutions for Microsoft Azure: Web Apps
    - AZ-204 - Developing Solutions for Microsoft Azure: Azure Functions
    - AZ-204 - Developing Solutions for Microsoft Azure: Azure Functions Triggers
    - AZ-204 - Developing Solutions for Microsoft Azure: Cosmos DB Storage
    - AZ-204 - Developing Solutions for Microsoft Azure: Cosmos DB Containers
    - AZ-204 - Developing Solutions for Microsoft Azure: Blob Storage
    - AZ-204 - Developing Solutions for Microsoft Azure:
    - AZ-204 - Developing Solutions for Microsoft Azure: Azure Active Directory
    - AZ-204 - Developing Solutions for Microsoft Azure: Application Configuration
    - AZ-204 - Developing Solutions for Microsoft Azure: Caching in Azure
    - AZ-204 - Developing Solutions for Microsoft Azure: Application Troubleshooting
    - AZ-204 - Developing Solutions for Microsoft Azure: Azure API Management
    - AZ-204 - Developing Solutions for Microsoft Azure: Azure Event Grid
    - AZ-204 - Developing Solutions for Microsoft Azure: Message-based Solutions
- MeasureUp Exam simulation
    - 150+ questions
- Tips & Tricks
- Challenge Labs (option)
    - This collection is comprised of over 40 challenges and contains over 25 hours of hands-on practice and supports the Exam AZ-204 competencies and is mapped to the skills measured of the exam.