Developing Solutions for Microsoft Azure

Duration: 5 Days   Course Code: M-AZ204

Overview:

This course 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.

Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

Target Audience:

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

Objectives:

- Students will learn to:
- AZ-204: Implement Azure App Service web apps
- AZ-204: Implement Azure Functions
- AZ-204: Develop solutions that use Blob storage
- AZ-204: Develop solutions that use Azure Cosmos DB
- AZ-204: Implement containerized solutions
- AZ-204: Implement user authentication and authorization

- AZ-204: Implement secure Azure solutions
- AZ-204: Implement API Management
- AZ-204: Develop event-based solutions
- AZ-204: Develop message-based solutions
- AZ-204: Troubleshoot solutions by using Application Insights
- AZ-204: Implement caching for solutions

Testing and Certification

Microsoft Certified: Azure Developer Associate

Content:

AZ-204: Implement Azure App Service web apps

- Explore Azure App Service
- Configure web app settings
- Scale apps in Azure App Service
- Explore Azure App Service deployment slots

AZ-204: Implement Azure Functions

- Explore Azure Functions
- Develop Azure Functions

AZ-204: Develop solutions that use Blob storage

- Explore Azure Blob storage
- Manage the Azure Blob storage lifecycle
- Work with Azure Blob storage

AZ-204: Develop solutions that use Azure Cosmos DB

- Explore Azure Cosmos DB
- Work with Azure Cosmos DB

AZ-204: Implement containerized solutions

- Manage container images in Azure Container Registry
- Run container images in Azure Container Instances
- Implement Azure Container Apps

AZ-204: Implement user authentication and authorization

- Explore the Microsoft identity platform
- Implement authentication by using the Microsoft Authentication Library
- Implement shared access signatures
- Explore Microsoft Graph

AZ-204: Implement secure Azure solutions

- Implement Azure Key Vault
- Implement managed identities
- Implement Azure App Configuration

AZ-204: Implement API Management

- Explore API Management

AZ-204: Develop event-based solutions

- Explore Azure Event Grid
- Explore Azure Event Hubs

AZ-204: Develop message-based solutions

- Discover Azure message queues

AZ-204: Troubleshoot solutions by using Application Insights

- Monitor app performance

AZ-204: Implement caching for solutions

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

Further Information:

For More information, or to book your course, please call us on Head Office Tel.: +974 40316639

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