
Beginning Serverless Architectures with Microsoft Azure

Duration: 1 Day Course Code: LO035415 Delivery Method: Virtual Learning

Overview:

This is a 1-day course which balances theory and hand-on applications that are focused on practical takeaways to learn Azure. This course complies with instructional designing principles for all the 3 lessons. This will ensure that you repeat and reinforce your gained knowledge at every step. Each and every minute spent during this 1-day course will incrementally take you to a next level.

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.

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Target Audience:

This course is aimed at back-end developers or cloud engineers with some Azure experience who may have heard of serverless but have not created serverless applications before.

Objectives:

- If you are interested in gaining a good grasp of Azure in a systematic and hands-on way by working through a real-world project, then this course is for you.
 - Define what serverless is and its technical basis
 - The course will provide enough knowledge of the following:
 - Determine how to deploy and manage Azure serverless code
 - Interpret design principles for effective serverless code
 - Analyze the advantages and disadvantages of serverless development
 - Build a functioning serverless application
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Prerequisites:

Hardware:

- For successful completion of this course, students will require computer systems with the following:

- Processor: Intel Core i3 or equivalent
- Memory: Minimum 4 GB RAM
- Hard Disk: Minimum 10 GB
- Operating System: Windows 7 or higher
- Projector
- Internet connection

Software:

- Browser: Google Chrome or Mozilla Firefox (Latest updates installed)
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- Postman App for API Development Environment
- Visual Studio 2017 with Azure Development Workflow, Latest version
- Node.js with azure-functions-core-tools Version 1.x installed via npm
- .NET framework 4.6 or higher

Content:

Lesson 1: Introduction to Azure Functions

- Understanding the Real Benefits of Serverless Computing
- Create, Debug, and Deploy an Azure Function
- Technical Basis of Azure Functions

Lesson 2: Deploying Azure Serverless

- Integrating with other Azure Products
- Logging with App Insights
- Security with API Keys

Lesson 3: Architecting Serverless Solutions From Scratch

- Architecting Greenfield Serverless Applications
 - Integrating Azure Functions with Legacy Applications
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Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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