Develop For An Azure Cloud Model (AZ-201.1)

Modality: On Demand

Duration: 24 Hours

This program trains you for the AZ-201 Certification Exam. The above course will not include the Authorized Exam Voucher but you can apply separately to buy the Official Exam Voucher.

About this course:

This program is actually a series of four courses to assist you in studying for MS-AZ-201 exam i.e. Microsoft Azure Developer certification: Develop Advanced Microsoft Azure Cloud Solutions. Such courses are intended for developers familiar with programming in any one language supported by Microsoft Azure.

The course discusses how to guarantee that your approach meets Azure's performance expectations. This includes handling asynchronous, autoscaling, lengthy tasks, and distributed transactions. You will therefore learn the process of leveraging MS Azure Search for textual content, integrating instrumentation, and logging in your solution for development.

Course Objective:

1. Students will be able to: Understand how to design for asynchronous processing and how to implement the correct asynchronous computation model after completing this course.
2. Introduce autoscaling in your solution and introduce transient state-addressing code.
3. Explore how to build high-performance, parallel, and large-scale apps via batches.
4. Learn how to implement distributed transactions and handle them.
5. DevelopDevice or Network instrumentation using System Insights and other tools.

Targeted Audience:

This course is for professional programmers who work on developing solutions and hosting them in MS Azure. Students must have some familiarity with MS Azure and have to be able to code in at minimum one language that is supported by MA Azure. This course concentrates on Azure CLI, C #, Node.js, JavaScript, and Azure PowerShell.

Prerequisite:

- Know how to program in at least one Azure supported dialect.

Recommended Prerequisite Course:

None

Course Outline:

Developing for asynchonous processing

- Implement parallelism multithreading and processing
- Implement Azure Functions and Azure Logic Apps
- Implement interfaces for srage or data access
- Implement appropriate asynchronous computing models
- Review questions

Develop for auscaling

- Implement auscaling rules and patterns
- Implement code that addresses singlen application instances
- Implement code that addresses a transient state
- Review questions

Develop long-running tasks

- Implement large scale parallel and high-performance apps by using batches
- Implement resilient apps by using queues
- Implement code address application events by using webhooks
- Address continuous processing tasks by using Azure WebJobs
- Review questions

Implement distributed transactions

- Identify ols implement distributed transactions
- Manage the transaction scope
- Manage transactions across multiple databases and servers
- Review questions

Enable the search of textual content

- Create an Azure Search index
- Import searchable data
- Query the Azure Search index by using code
- Review questions

Instrument an app or service and implement logging

- Configure instrumentation in an app or service
- Configure the logging service
- Review questions

Course Completion

- Final Exam

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