AZ-204 Developing Solutions for Microsoft Azure, Part 2 of 9: Functions, Storage and Cosmos

Meet the expert: Maruti is a Microsoft Certified Corporate Trainer with over 19,000 hours of experience corporate training for companies such as: Deloitte, Morgan Stanley, LTI Infotech, Unisys, Shell, Accenture and many more. He focuses on practical implementation and hands-on practice as the best way to understand technical training.

Prerequisites: 1-2 years professional development experience and experience with Microsoft Azure. In addition, the role should have ability programming in a language supported by Azure and proficiency in Azure SDKs, Azure PowerShell, Azure CLI, data storage options, data connections, APIs, app authentication and authorization, compute and container deployment, debugging, performance tuning, and monitoring.

Runtime: 01:56:55

Course description: Azure Developers partner with cloud solution architects, cloud DBAs, cloud administrators, and clients to implement solutions.This course covers: Azure Functions, Blob Storage and Security along with Cosmos DB.

Course outline:

Azure Functions Overview
- Introduction
- What can Azure Functions do
- Azure Functions
- Function Integrations
- Hosting
- Types of Triggers
- Trigger and Bindings Example
- Best Practices
- Summary

Developing Azure Functions
- Introduction
- Function Folder Structure
- Demo: Create Azure Function in Visual Studio
- Demo: Developing Azure Function using Azure Portal
- Function Deployed
- Summary

Implement Durable Functions
- Introduction
- Durable Functions
- Chaining
- Human Interaction
- Demo: Durable function
- Summary

Azure Blob Storage Core Concepts
- Introduction
- Azure Storage Overview
- Storage Hierarchy
- Page Blobs
- Replication
- Create Azure Blob Storage Account
- Summary

Managing Azure Blob Storage Lifecycle
- Introduction
- Storage Tiers
- Lifecycle Management
- Demo: Customize Lifecycle
- Summary

Working with Azure Storage
- Introduction
- Work with Azure Storage
- Demo: Retrieve Azure Storage Resources
- Summary

Storage Security
- Introduction
- Demo: Storage Security
- Three Containers
- Summary

Azure Cosmos DB
- Introduction
- Azure Cosmos DB
- Core Functionality
- Consistency Levels
- Multiple APIs Support
- Summary

Azure Cosmos DB Data Structure
- Introduction
- Resource Hierarchy Tree
- Resource Hierarchy
- Cosmos DB Partitioning
- DB Demo
- Summary

Create and Update Documents by Using Code
- Introduction
- Manage Collections and Documents
- Demo Documents
- Summary