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Interview Q&A | Short Answers!

Azure Functions

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What are Azure Functions?

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Azure Functions is a serverless compute service that allows you to run event-triggered code without managing infrastructure.

What are the key benefits of Azure Functions?

Key benefits include scalability, cost-effectiveness, simplified management, and rapid development.

What are the triggers supported by Azure Functions?

Triggers include HTTP trigger, timer trigger, blob trigger, queue trigger, event grid trigger, and more.

Explain the difference between an input and a trigger in Azure Functions.

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A trigger initiates the execution of a function in response to an event, while an input provides data to the function during its execution.

How do you handle asynchronous operations in Azure Functions?

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Azure Functions support asynchronous programming using async/await in languages like C# and JavaScript.

What are bindings in Azure Functions?

Bindings are a declarative way to connect Azure Functions to various Azure services, enabling seamless data integration.

Explain the difference between input and output bindings.

Input bindings provide data to the function as input, while output bindings allow the function to write data to external services.

How do you monitor Azure Functions?

Azure Functions can be monitored using Azure Monitor, Application Insights, logging, and built-in metrics available in the Azure portal.

What is the difference between Azure Functions Consumption Plan and Azure Functions Premium Plan?

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Consumption Plan charges based on the number of executions and resource consumption, while Premium Plan offers dedicated compute instances with predictable pricing and scaling.

How do you secure Azure Functions?

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Azure Functions can be secured using authentication and authorization mechanisms such as Azure Active Directory, OAuth, API keys, and access control.

Explain durable functions in Azure.

Durable Functions is an extension of Azure Functions that enables stateful orchestration of serverless workflows.

How do you handle retries and error handling in Azure Functions?

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Azure Functions provide built-in support for retries and error handling through features like retry policies, exception handling, and logging.

What are the deployment options available for Azure Functions?

Azure Functions can be deployed directly from Visual Studio, Azure portal, Azure CLI, Azure DevOps, or through continuous integration and deployment pipelines.

Explain cold start in Azure Functions.

Cold start refers to the initial delay in function execution when a function app is inactive or scaled down, as resources need to be provisioned.

What are the supported programming languages for Azure Functions?

Azure Functions support languages such as C#, JavaScript/Node.js, Python, PowerShell, and Java.

Docs to refer

Goto https://GitHub.com/learnsmartcoding for the sample code for practicing AZ-204 exam

1. Repo for key vault: https://github.com/learnsmartcoding/azure-az204-complete-course

All the videos are available at the below channel

2. https://www.youtube.com/@learnsmartcoding

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