Azure Functions Crash Course

Kickstart your Azure Functions journey

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What is Azure Functions?

Azure Functions is a serverless solution that allows you to write less code, maintain less infrastructure, and save on costs.

Microsoft Docs

Serverless and Azure Functions in 6 bullet points

- **Serverless == server maintenance less.** Infrastructure provisioning and management are handled by the platform.

- **Azure Functions is a FaaS.**

- **Each Azure Function runs in response to an event (trigger)** and each Function must have only one trigger.

- **You can use bindings to connect other resources** to your Function. Bindings can be connected as input, output, or both.

- **Different plans for different needs!** When you use the consumption plan, you only pay for when the function is running, 1 million executions grant per month.

- Currently, C#, F#, JavaScript, TypeScript, PowerShell, Python and Java are supported languages.
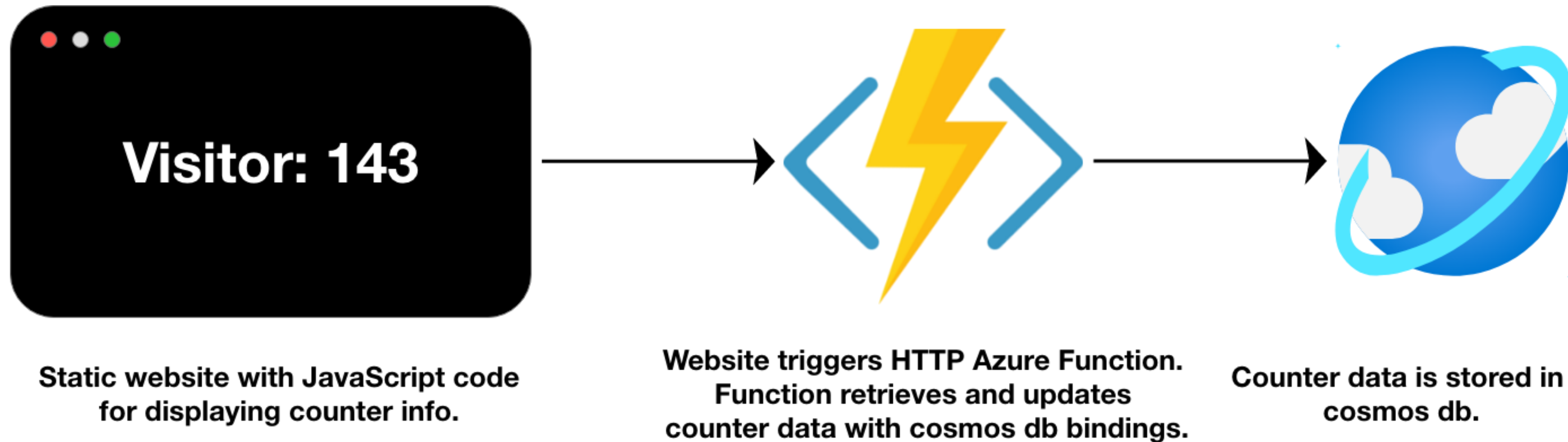
Use cases

Fun with functions!

- Customer product review.

  - Data is stored in Azure storage blobs and Cosmos DB. An Azure Function performs automated moderation using Azure Cognitive Services.

- File formatting and submission

  - Azure Function with blob trigger runs daily when xml files are added to the blob container. The Function parses the xml data and submits to a website via the websites API.

- Scheduled Tasks

- Reminders and Notifications

- Lightweight Web API

- Running background backup tasks

- And more

- Functions are great as full solutions or add-ons to other already built solutions.

What we're building

A short but sweet demo!

Let's make a visitor counter with .NET Azure Function and Cosmos db

Static website with JavaScript code for displaying counter info.

Website triggers HTTP Azure Function. Function retrieves and updates counter data with cosmos db bindings.

Counter data is stored in cosmos db.

Demo time!

Next steps and resources

You're just getting started

Why not explore a little more?

- [Serverless business scenarios and use cases](#)

- [Azure Functions Triggers and Bindings](#)

- [Azure Durable Functions](#)

- [Create Serverless Applications | Learning path](#)

- [Azure Functions pricing](#)

Thank you for watching :)

Questions/Comments?
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