Implementing Function Triggers

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Azure Function Triggers

Objective: "implement function triggers by using data operations, timers, and webhooks"

HTTP Request Trigger

(webhooks)

Timer Trigger

(scheduled tasks)

Blob Storage Trigger

(data operation)

Azure Function Triggers

Every Azure Function has exactly one trigger

The trigger is the event that causes the function to run

Azure Function Trigger Types

HTTP Request Trigger – use for APIs and webhooks

Timer Trigger – use for scheduled tasks

Queue Trigger – run in response to a message on a queue

Cosmos DB Trigger – run when a document is created or updated

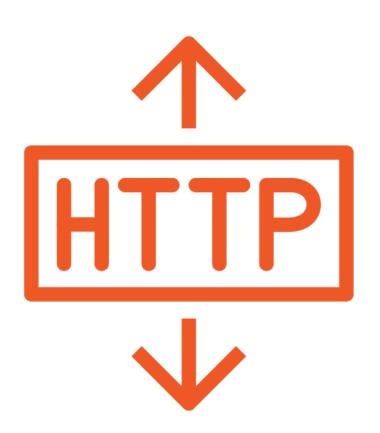**Blob Trigger** – run when a new file is uploaded to Blob Storage

There are many other Azure Function triggers available

e.g. Event Grid, Microsoft Graph

HTTP Request Trigger

Implement APIs or respond to webhooks
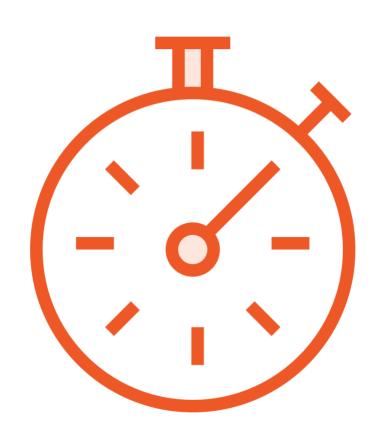
Customization
- HTTP methods – e.g. GET or POST
- Route

Secured via authorization key
- Anonymous: no key required
- Function: key per function
- Admin: key per function app

Timer Trigger

Run scheduled tasks

CRON expression

– Determines when your function should run

Demo Recap

HTTP request, timer, and blob storage triggers
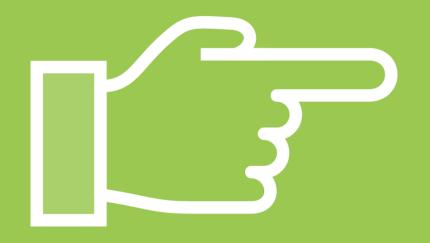
Additional trigger types – Queue and Cosmos DB

function.json – defines all triggers and bindings used by an Azure Function

Try it yourself

Create some functions in the Azure Portal using various trigger types. e.g. Azure Storage Queue trigger