

PROLOGUE



Building Serverless Solutions
with Azure and .NET



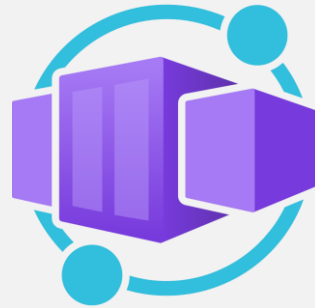
Overview of Azure Serverless

Harnessing the Power of Microservice Azure



Azure Serverless

Compute



Azure Container Apps



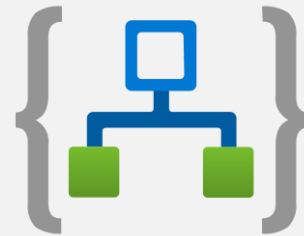
Azure Functions





Azure Serverless

Workflow and Integration



Azure Logic Apps



API Management

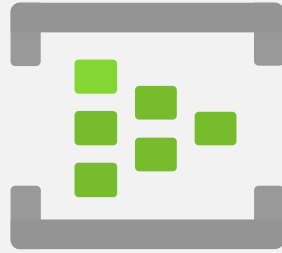


Azure Event Grid



Azure Serverless

Data Processing and Analytics



Azure Event Hubs



Azure Stream
Analytics



Azure Synapse
Analytics



Azure Data Lake
Analytics

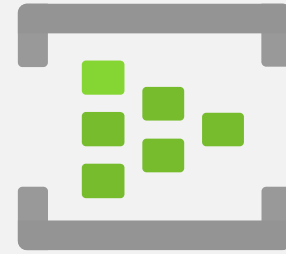


Azure Serverless

Messaging



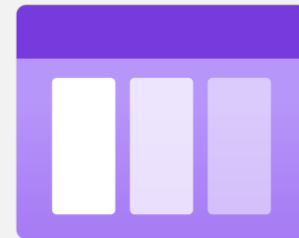
Azure Service Bus



Azure Event Hubs



Azure Event Grid



Azure Storage
Queues



Azure Serverless

Data Storage



Azure SQL Database



Azure Cosmos DB



Azure Storage



Azure Functions

Code



Events + data





Choice of Language





Bring your own dependencies





Simplified Integration

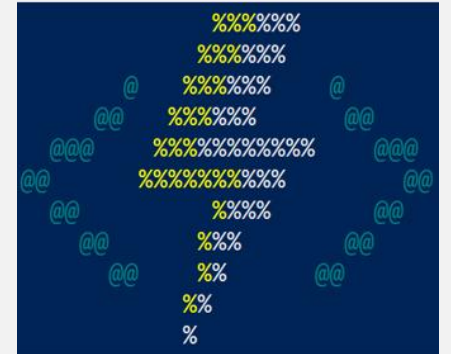
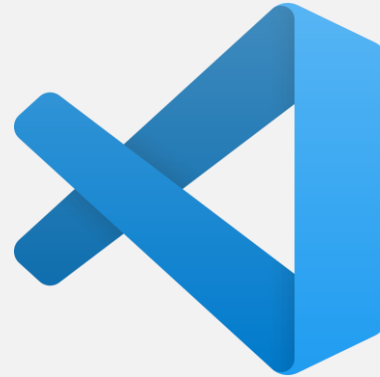


 RabbitMQ





Flexible Development





Many Hosting Options

Consumption



Serverless

App Service Environment



Network Isolation

Premium



Sort of Serverless

Azure Stack



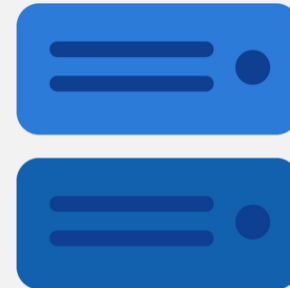
On Premises

Dedicated



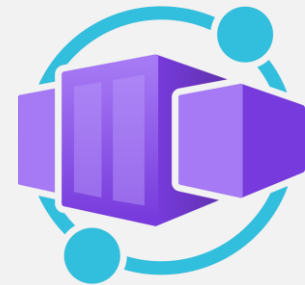
App Service Plan

Functions Runtime



Your Server

Container Apps



Consumption, Dedicated

Azure IoT Edge



On Devices

Building Serverless Solutions with Azure and .NET



Open Source

The screenshot shows the GitHub repository for Azure Functions. The repository is public and has 164 watches, 894 stars, and 150 forks. It is managed by liliankasem. The repository contains several files and folders, including .github, Functions Fox, functions-premium-plan, schemas, .gitignore, VS-AzureTools-ReleaseNotes.md, and readme.md. The readme.md file is selected, showing the title "Azure Functions" and a description: "Azure Functions is an event driven, compute-on-demand experience that extends the existing Azure application platform with capabilities to implement code triggered by events occurring in virtually any Azure or 3rd party service as well as on-premises systems. Azure Functions allows developers to take action by connecting to data sources or messaging solutions, thus making it easy to process and react to events. Azure Functions scale based on demand and you pay only for the resources you consume. This repository acts as a directory for folks looking for the various resources we have for Azure Functions." The repository also has 488 issues, 3 branches, and 0 tags. The "About" section states "No description or website provided." The "Releases" section states "No releases published." The "Packages" section states "No packages published." The "Contributors" section shows 21 contributors, with 10 more contributors listed below.

Search or jump to... Pull requests Issues Marketplace Explore

Azure / Azure-Functions Public

Watch 164 Star 894 Fork 150

Code Issues 488 Pull requests Discussions Actions Projects 1 Wiki Security Insights

main 3 branches 0 tags

Go to file Add file Code

liliankasem Use "bug" label in issue template (#2040) 026a73d 3 days ago 114 commits

.github	Use "bug" label in issue template	21 days ago
Functions Fox	Updated Logo	2 years ago
functions-premium-plan	Updating minimum worker count	3 years ago
schemas	Adding sampling excluded and included types to host schema.	14 months ago
.gitignore	Adding Functions Fox	2 years ago
VS-AzureTools-ReleaseNotes.md	Updating release notes	3 years ago
readme.md	Adding link to .NET isolated worker repo (#1904)	5 months ago

readme.md

Azure Functions

Azure Functions is an event driven, compute-on-demand experience that extends the existing Azure application platform with capabilities to implement code triggered by events occurring in virtually any Azure or 3rd party service as well as on-premises systems. Azure Functions allows developers to take action by connecting to data sources or messaging solutions, thus making it easy to process and react to events. Azure Functions scale based on demand and you pay only for the resources you consume.

This repository acts as a directory for folks looking for the various resources we have for Azure Functions.

Get Started with Azure Functions

About

No description or website provided.

azure-functions

Readme

Releases

No releases published

Packages

No packages published

Contributors 21

+ 10 contributors

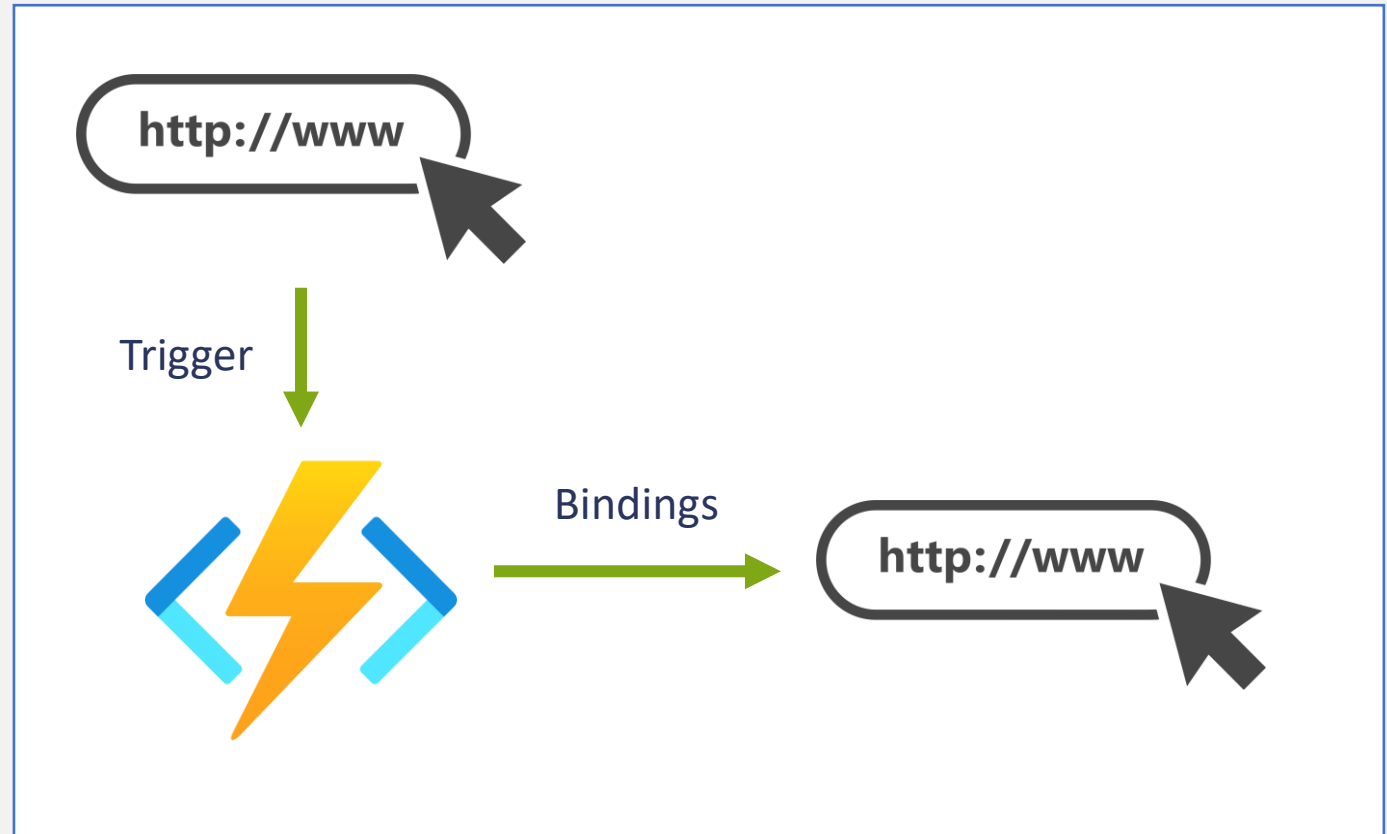


Triggers and Bindings



HTTP

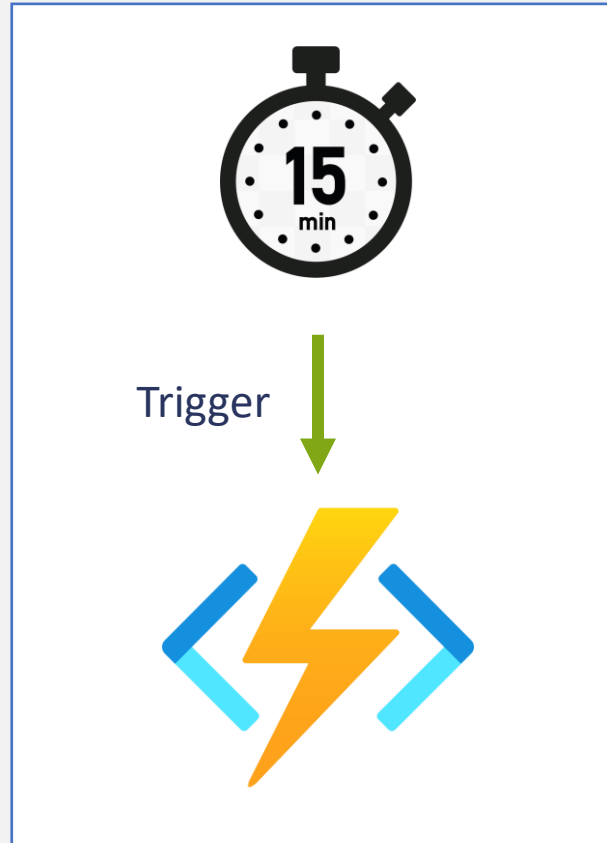
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Premium	✓
Dedicated	✓
C# In-Process	✓
C# Isolated	✓
Java	✓
JavaScript	✓
PowerShell	✓
Python	✓





Timer

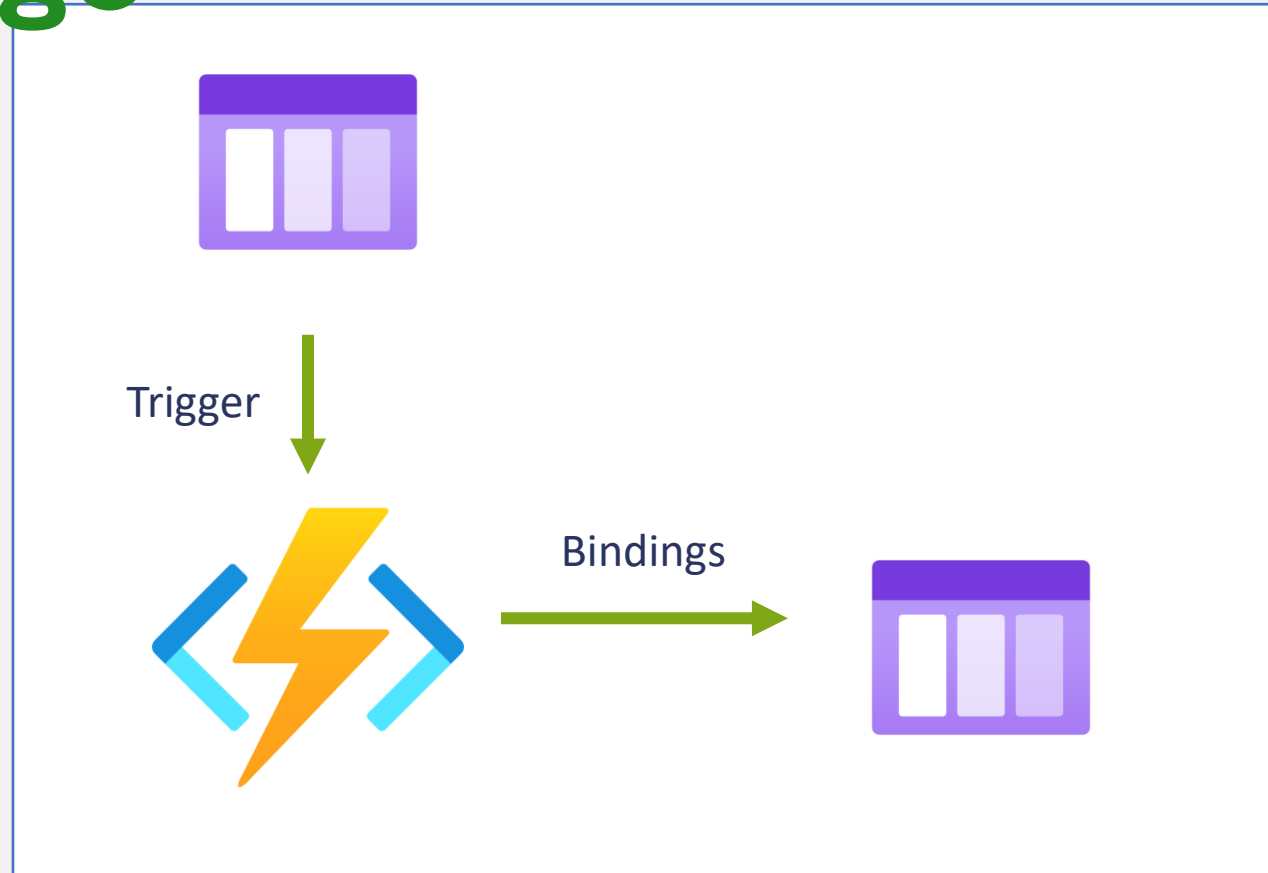
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Python	✓





Queue Storage

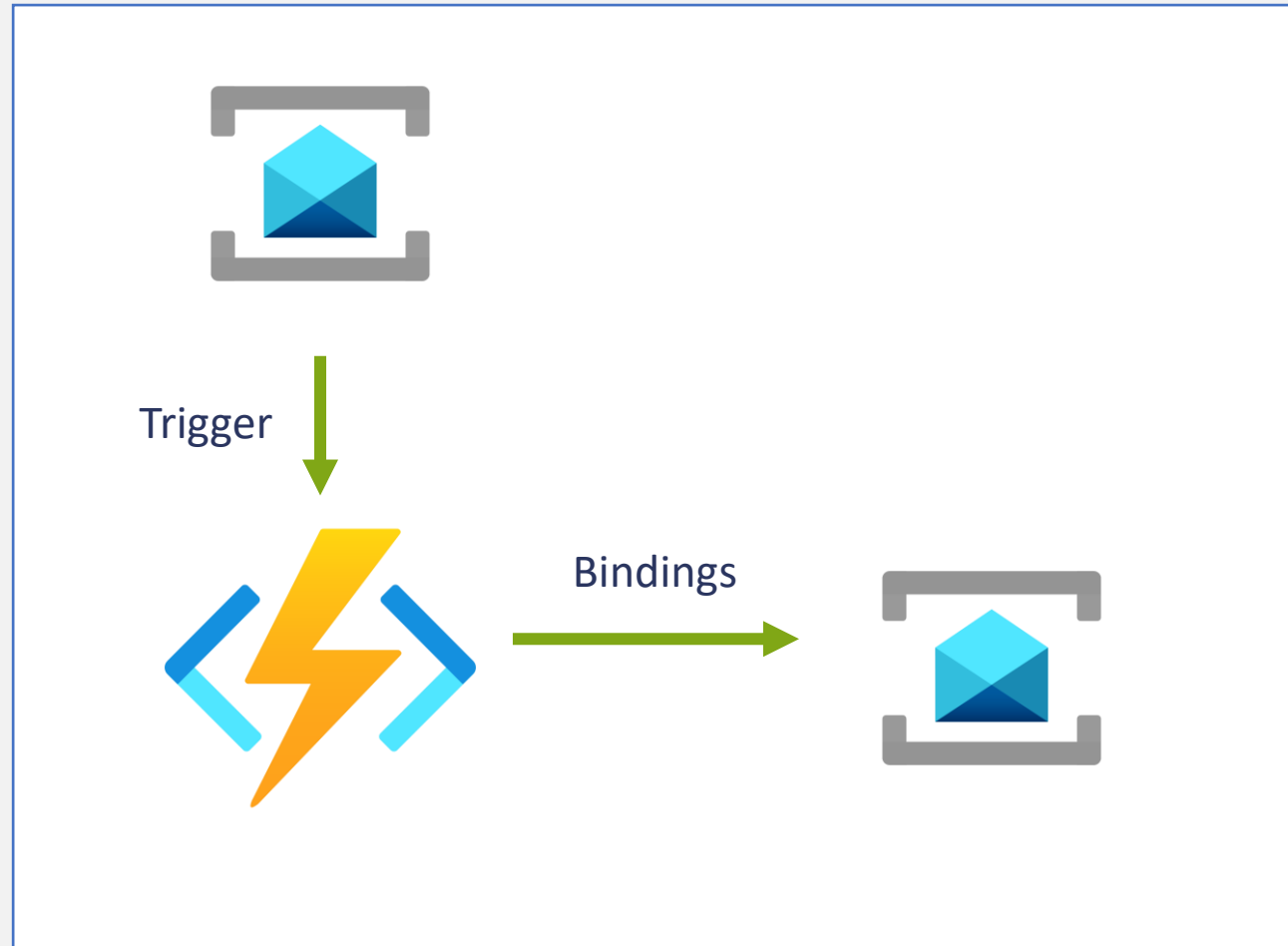
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Service Bus

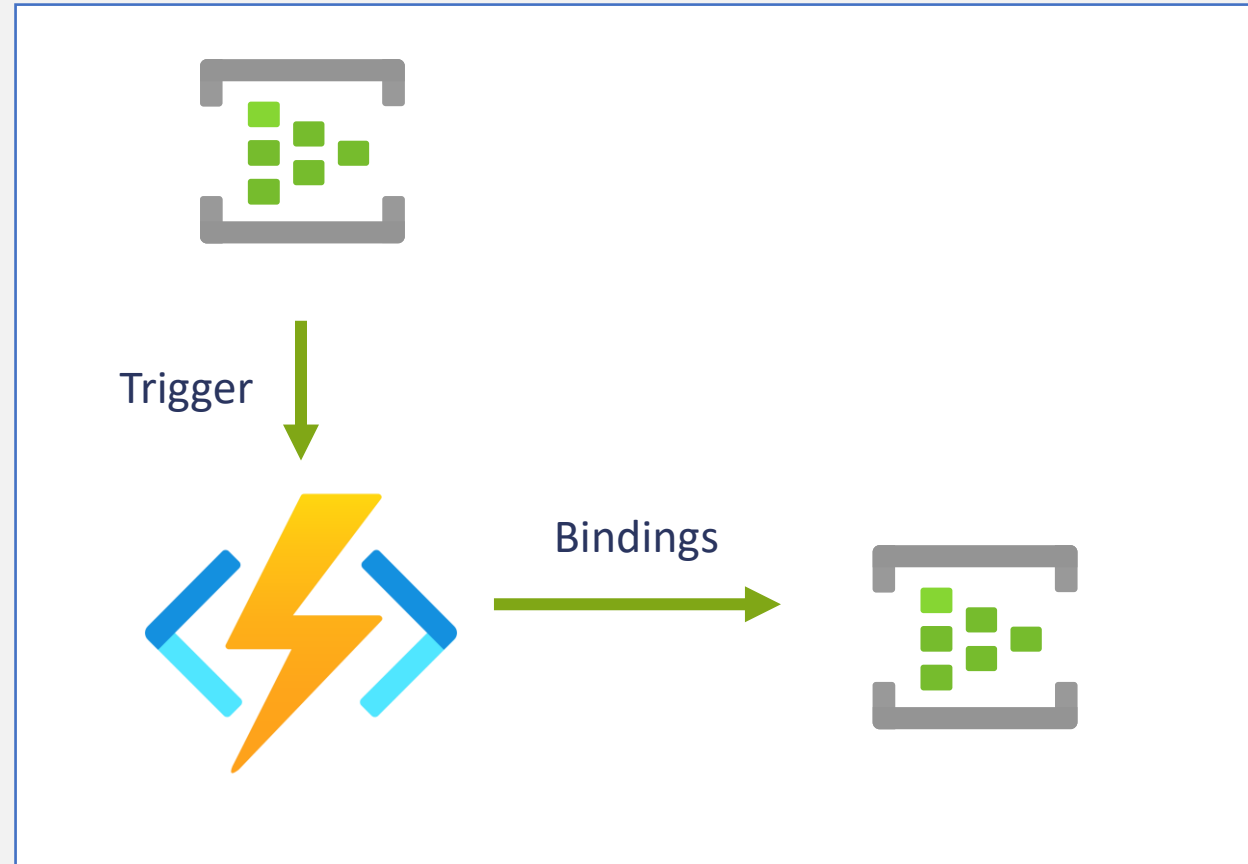
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Python	✓





Event Hub

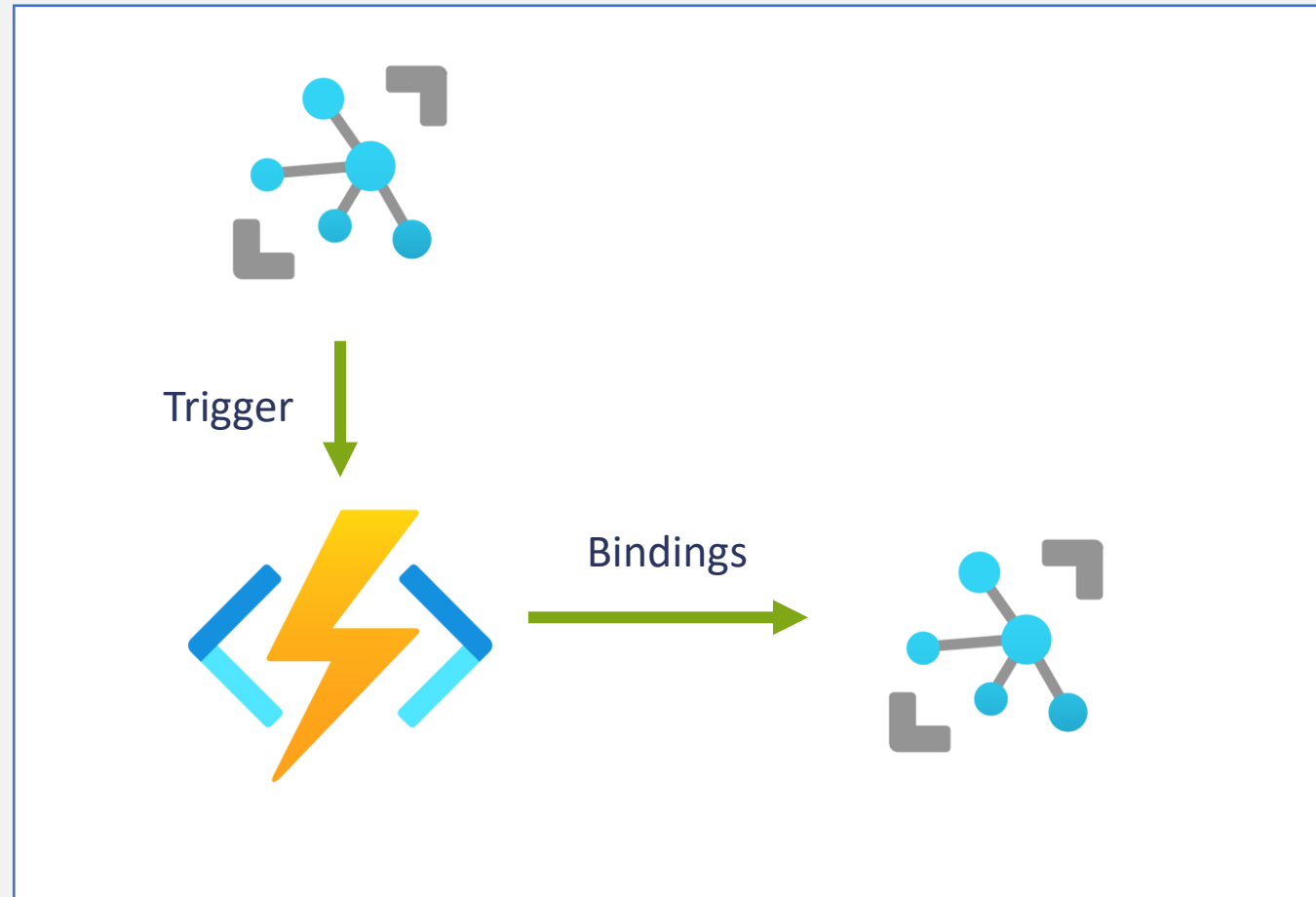
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JavaScript	✓
PowerShell	✓
Python	✓





IoT Hub

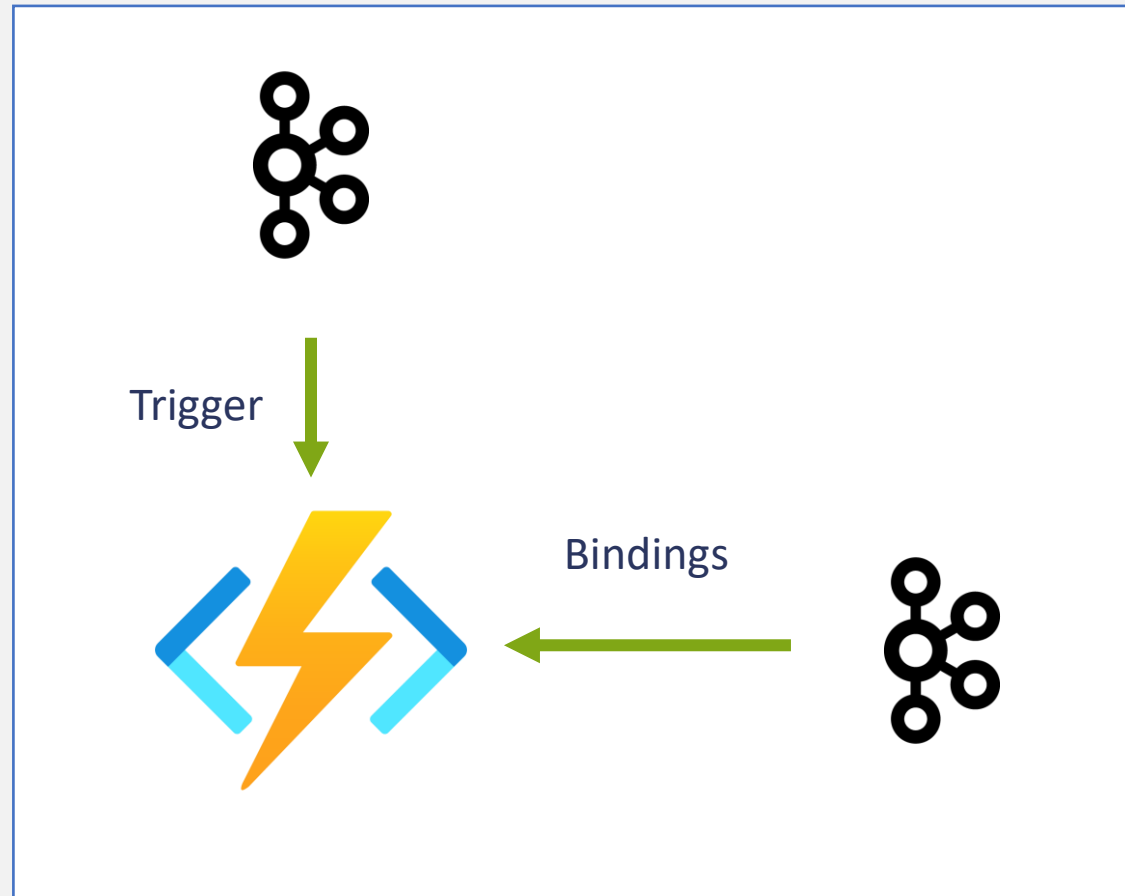
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Premium	✓
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C# In-Process	✓
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Java	✓
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Python	✓





Kafka

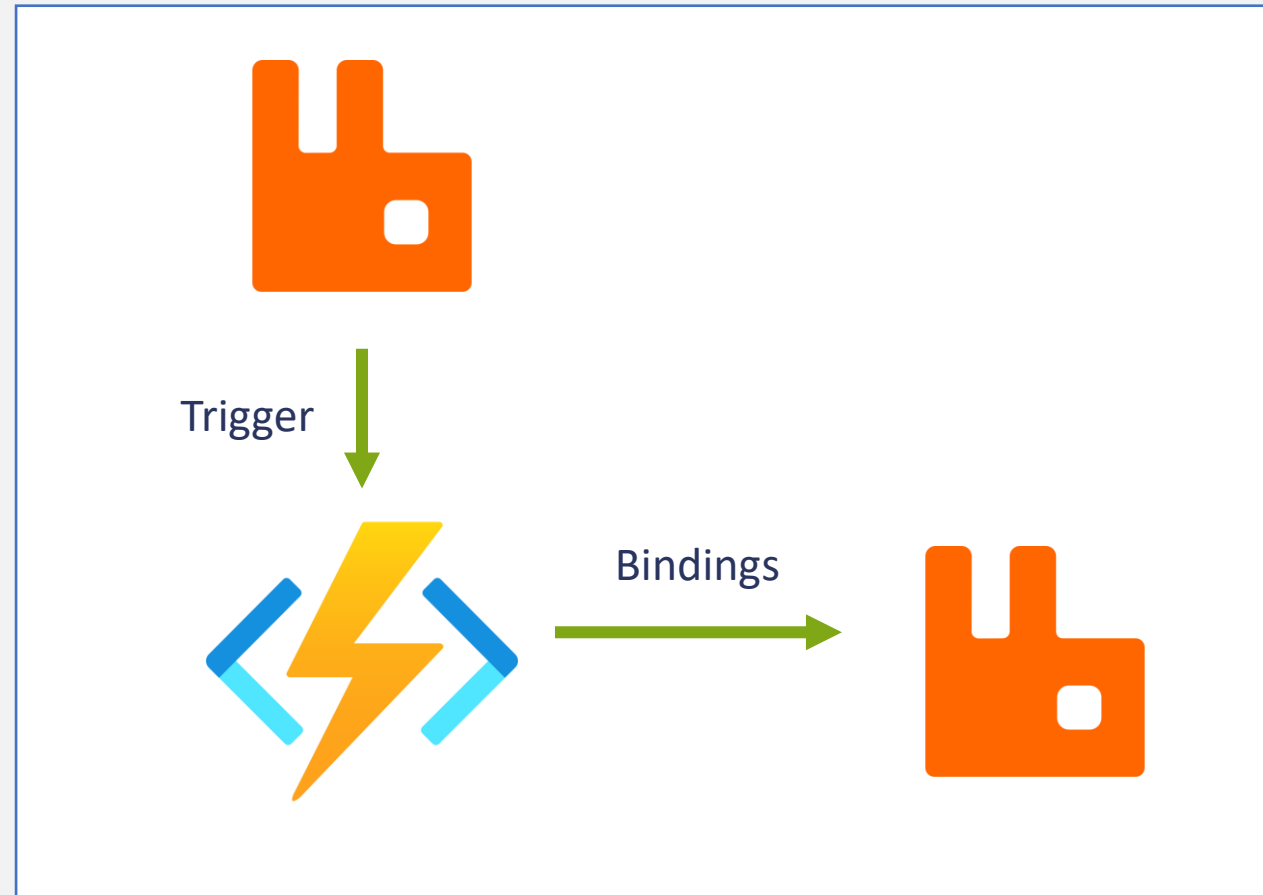
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RabbitMQ

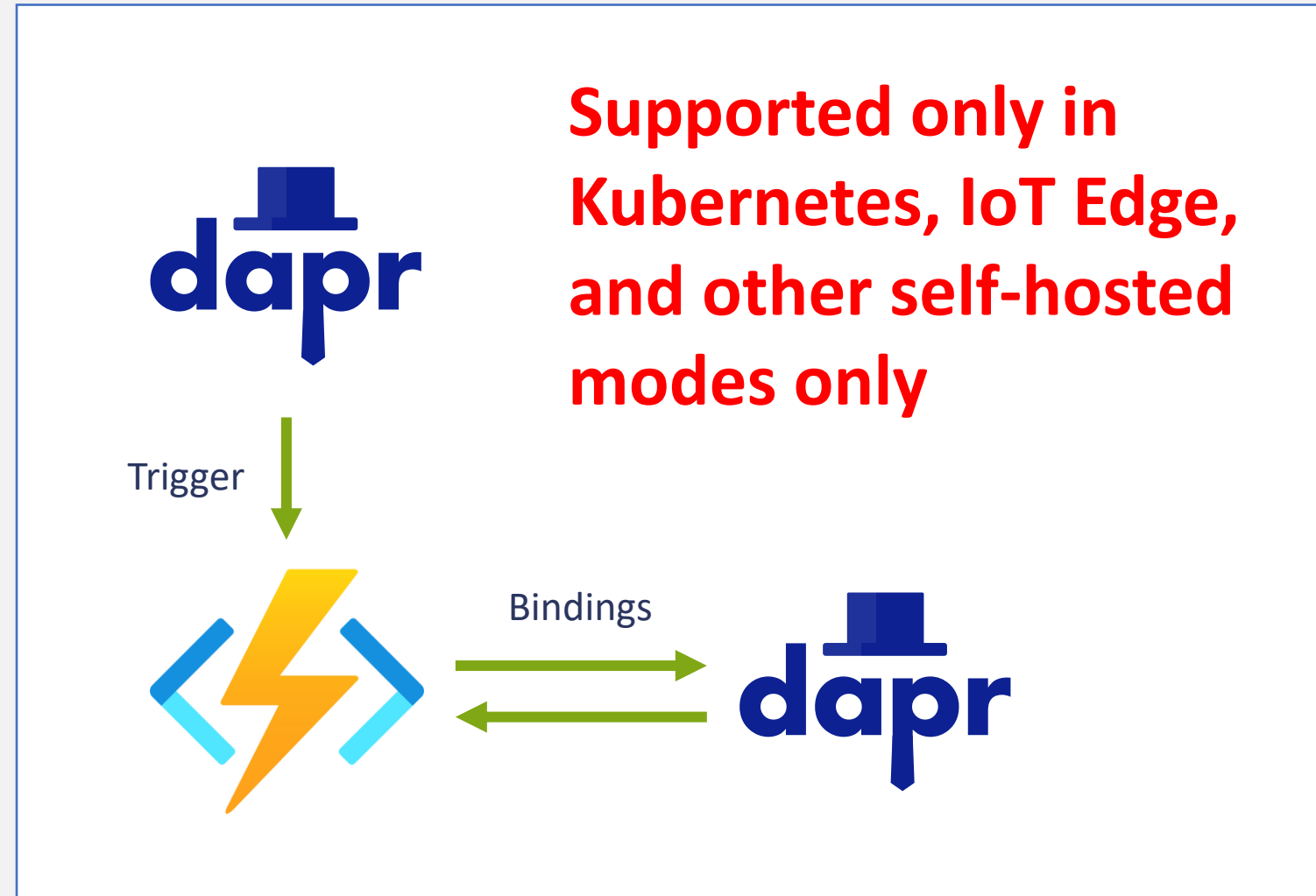
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Dapr

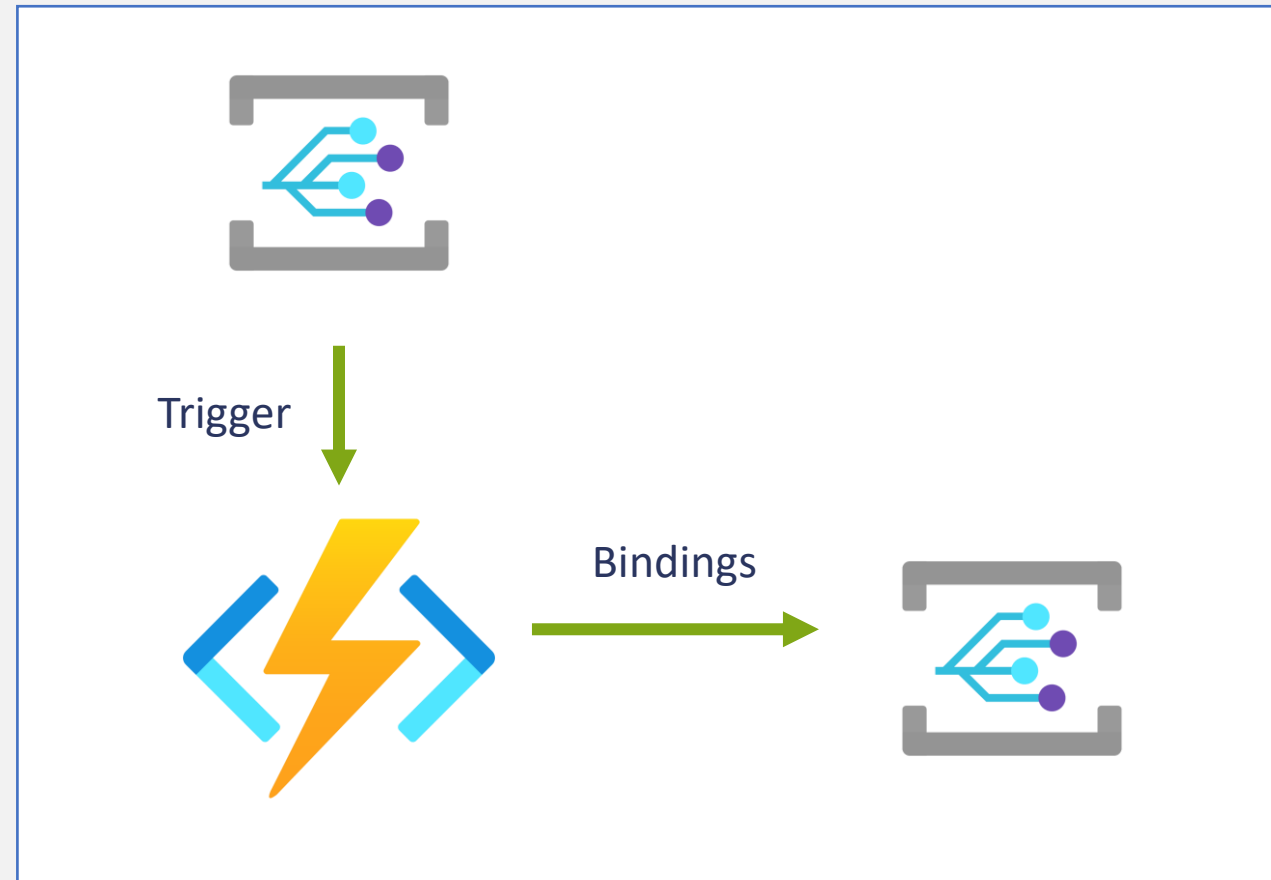
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Event Grid

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Output	✓
Consumption	✓
Premium	✓
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C# In-Process	✓
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Blob

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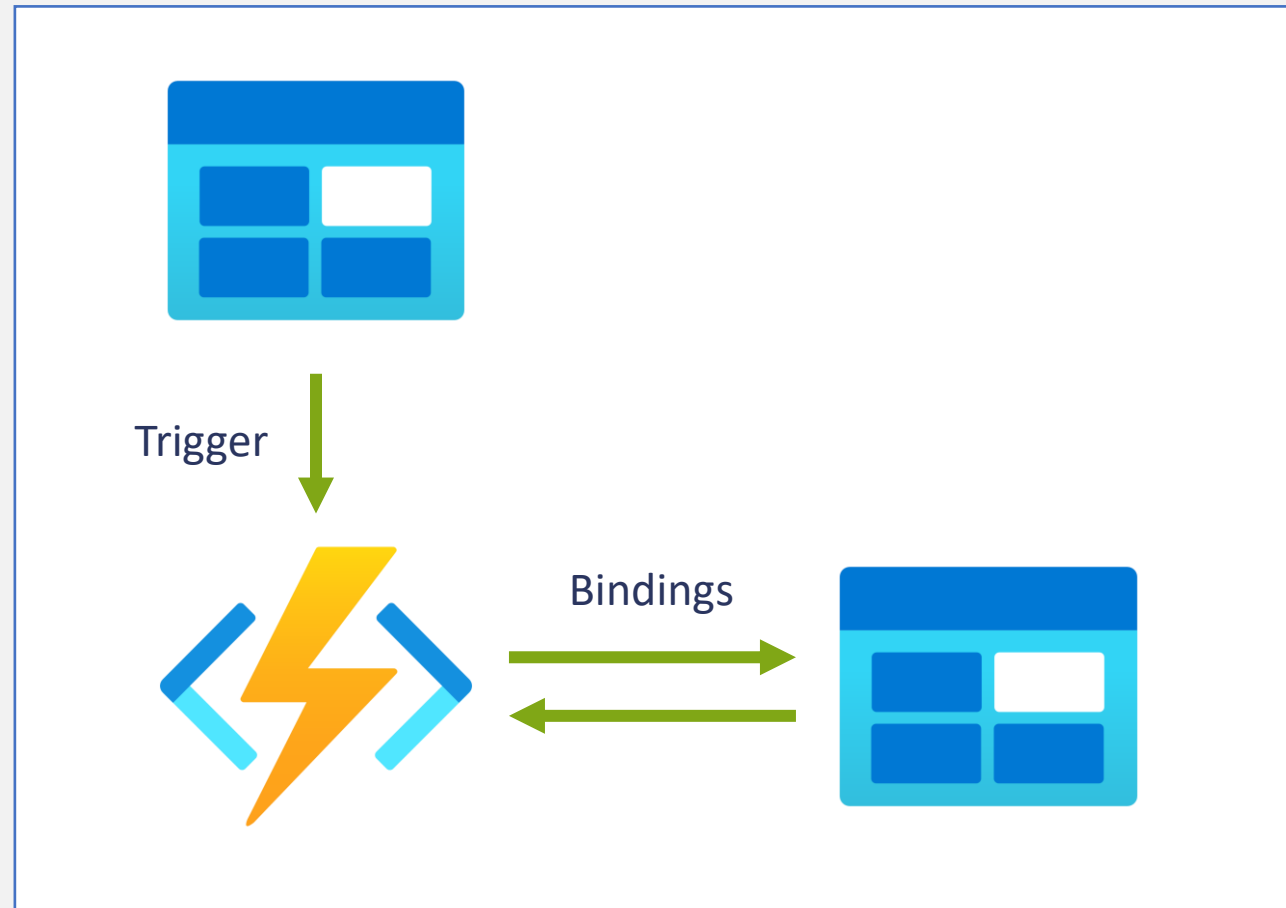
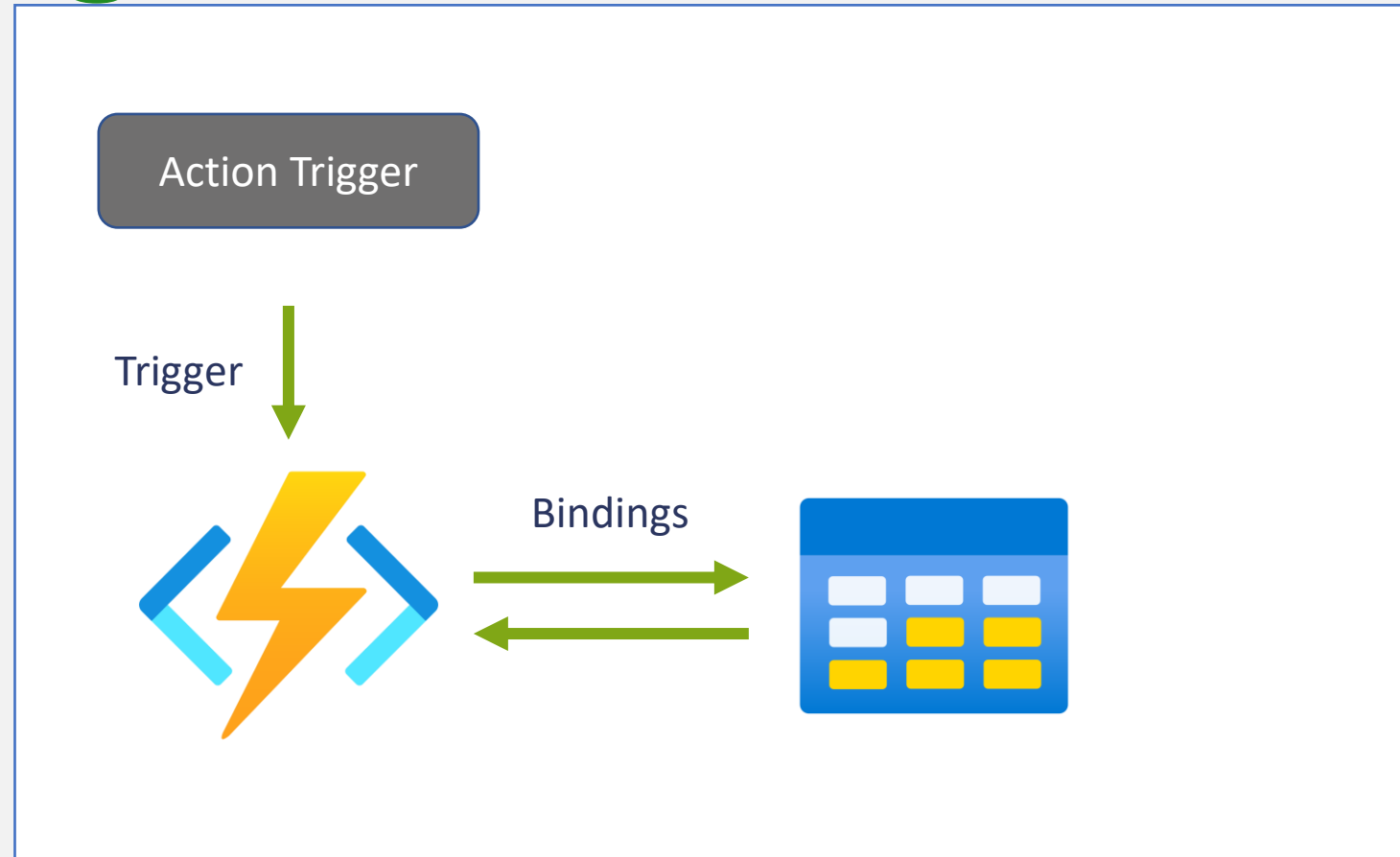




Table Storage

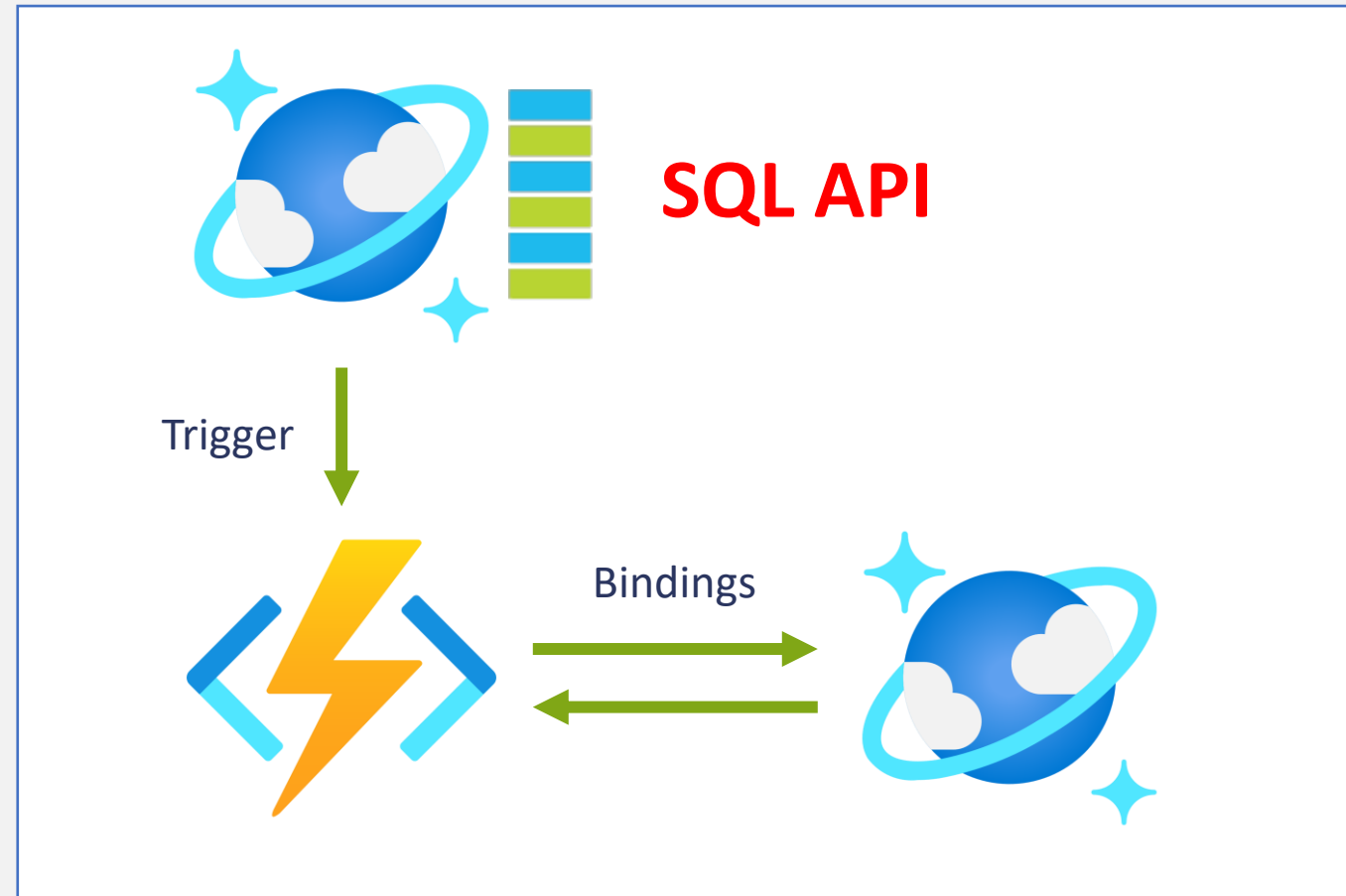
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Cosmos DB

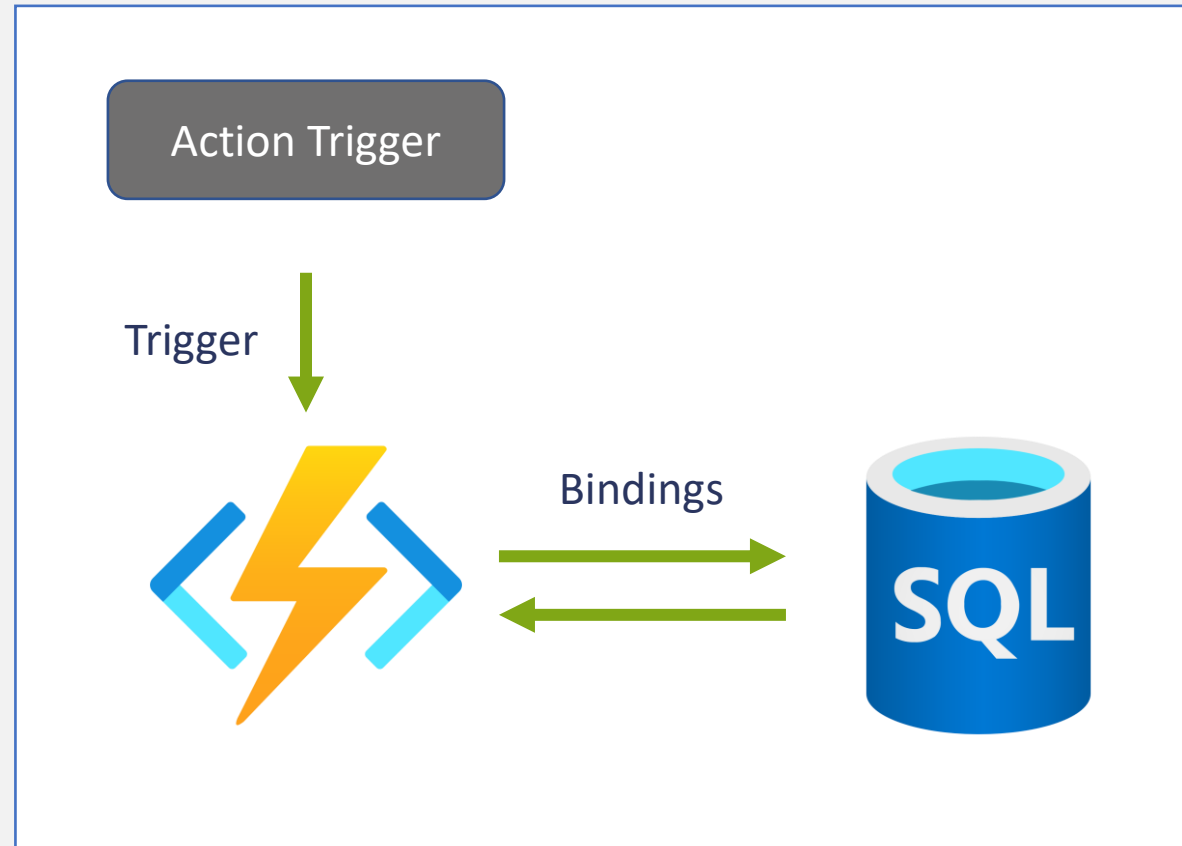
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Azure SQL

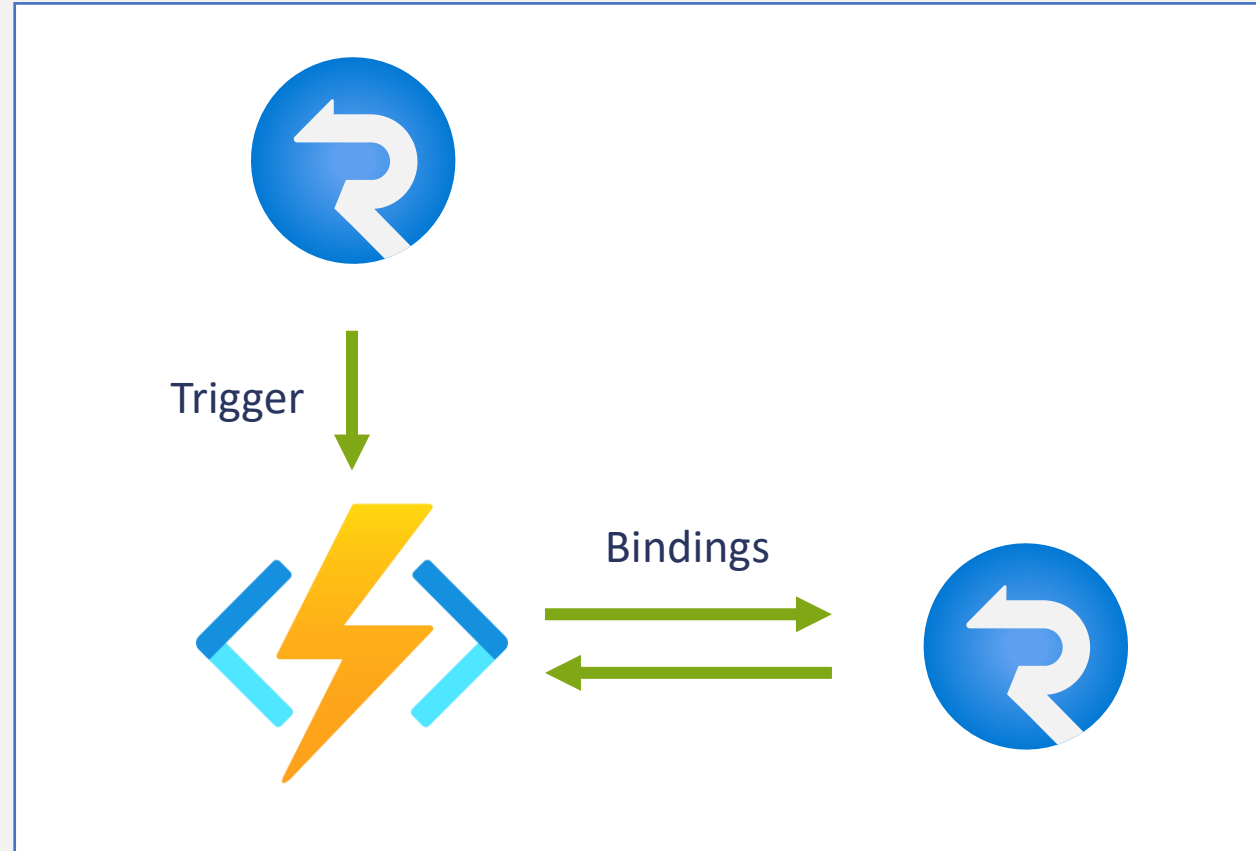
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SignalR

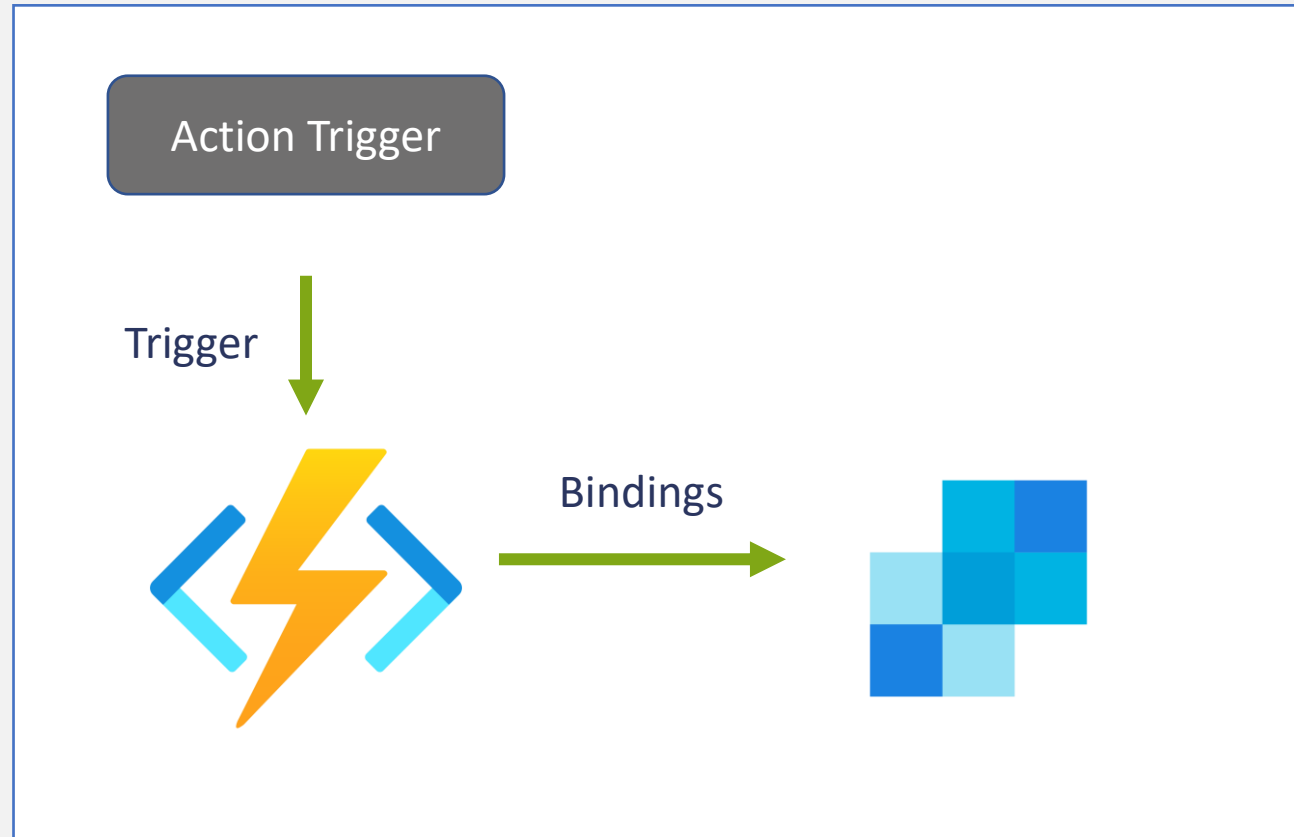
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PowerShell	✓
Python	✓





SendGrid

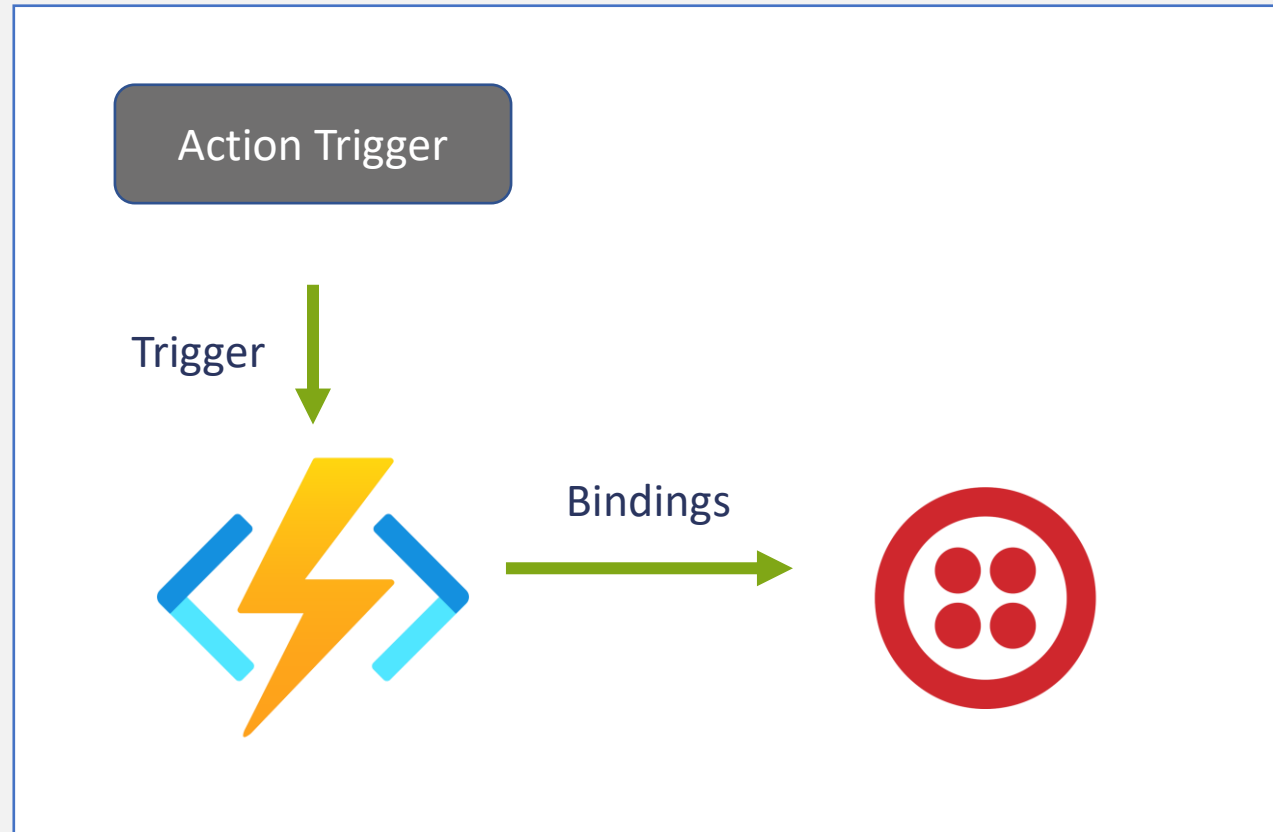
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Twilio

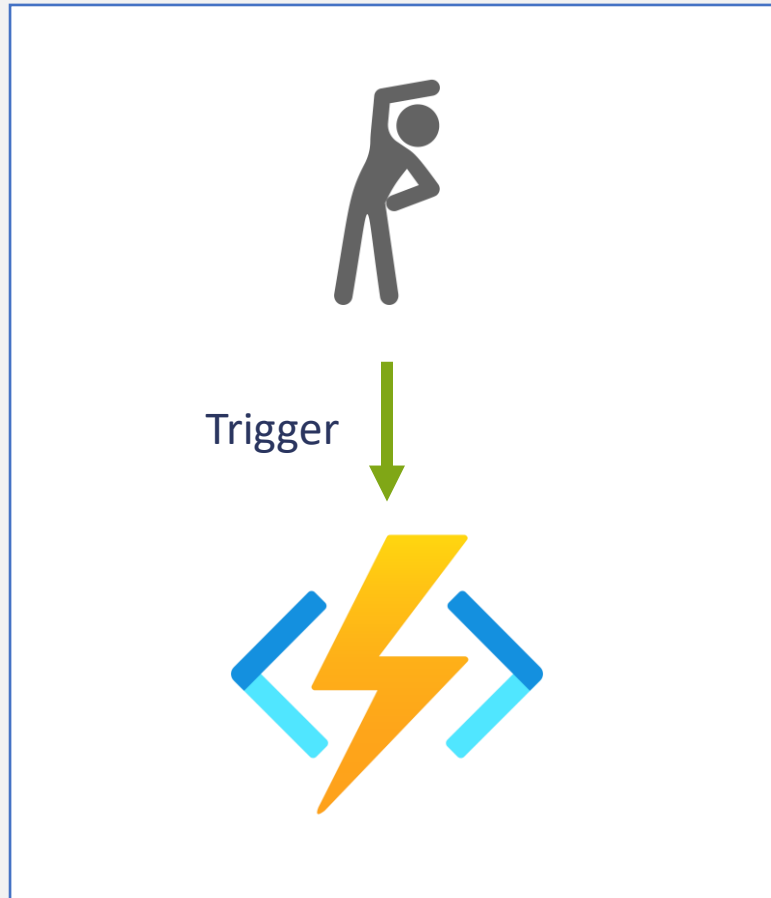
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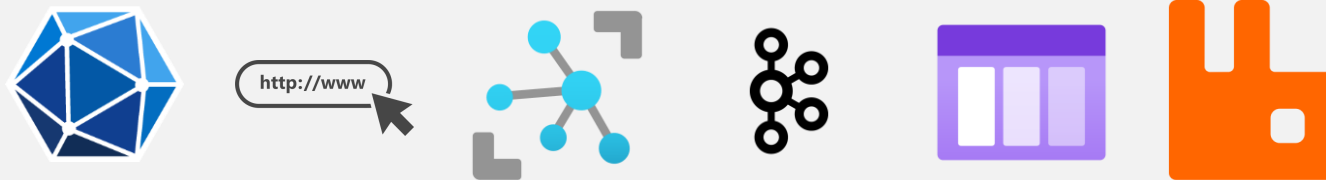
Warmup

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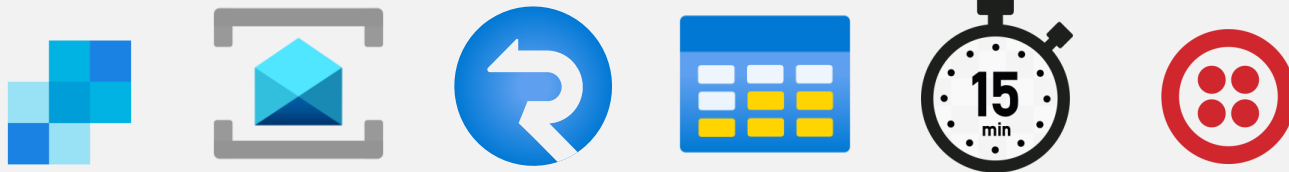




Supported Bindings



Third Party Bindings



Custom Bindings



BREAK

Back at 10:50



EXPLORING SERVERLESS DESIGN PATTERNS



Building Serverless Solutions
with Azure and .NET