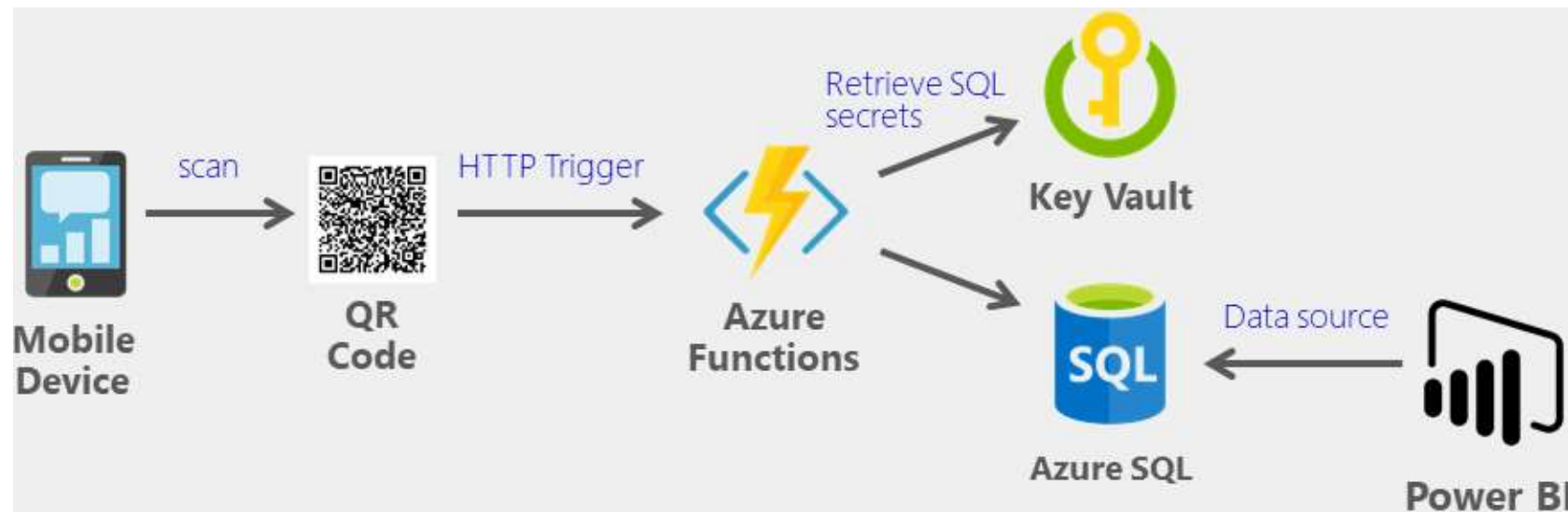




# Azure Function App

# What are Function Apps and its usage

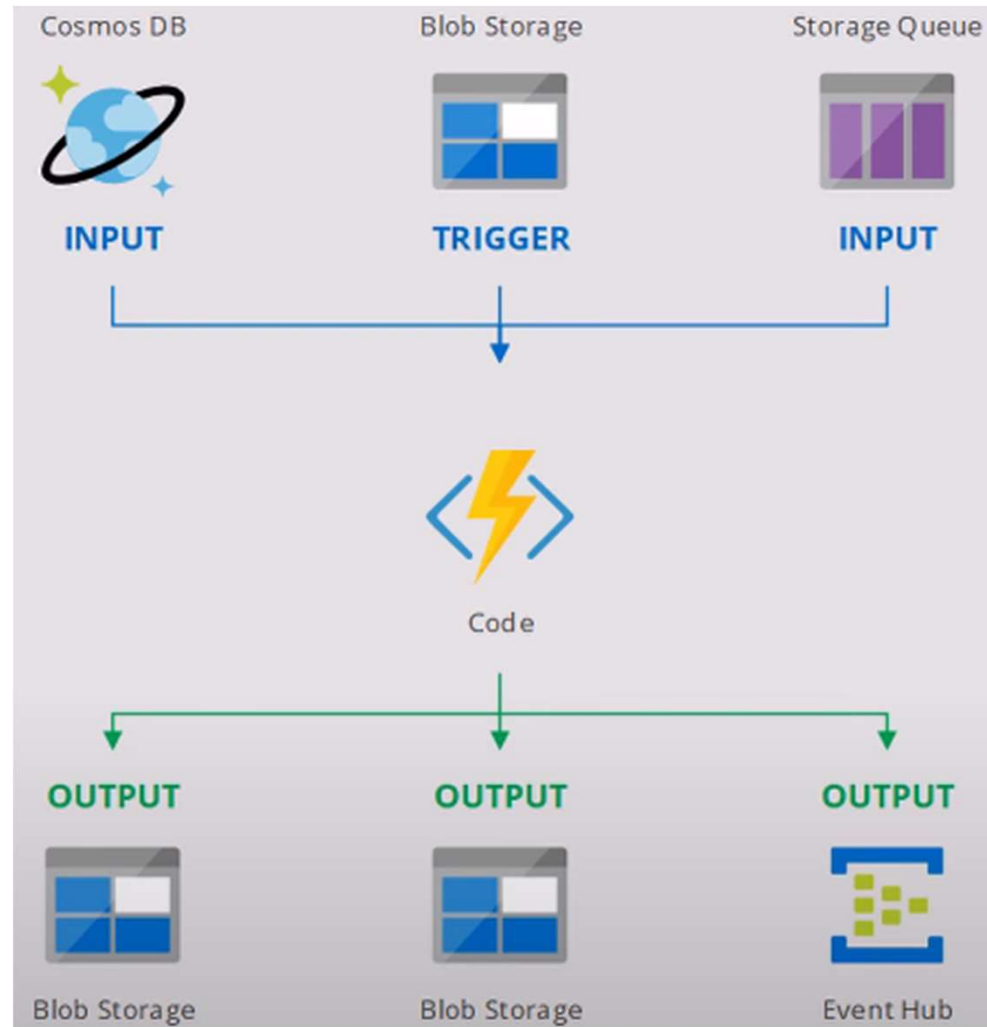
- Can author and execute snippets of code in the cloud
- No hassle of managing the servers
- It lets you run small pieces of code
- Doesn't have to worry about the infrastructure of the platform



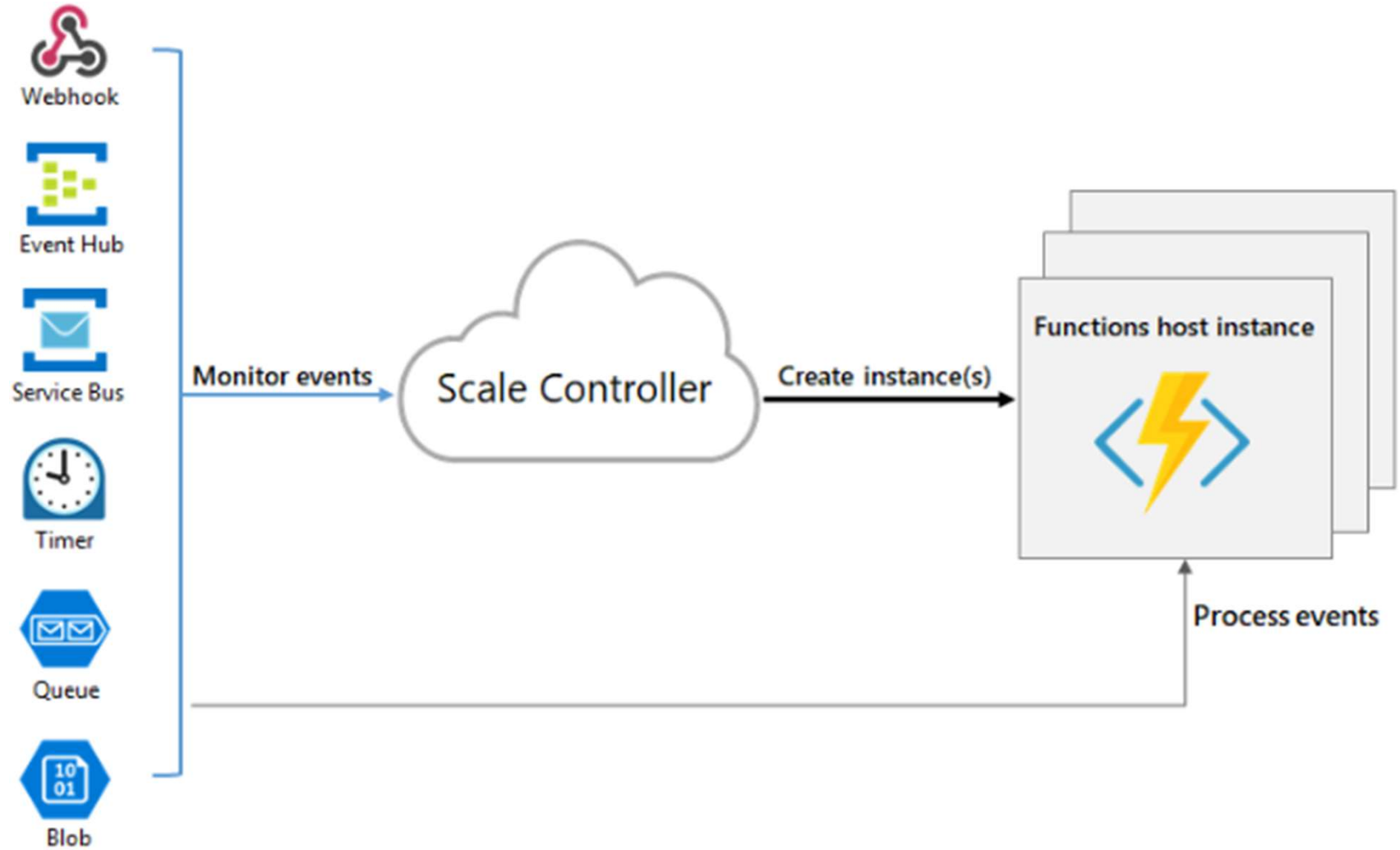
# Azure Function App: Hands-on

- Create our first Function App

# How Azure Functions Works



# Scale up and Scale Down



# Pricing

- Consumption plan is billed based on per-second resource consumption and executions
- For more details, please refer:
  - <https://azure.microsoft.com/en-in/pricing/details/functions/>

# Azure Function: Hands-on

- Create a Function in Azure Function App

# Azure Functions Drawbacks

- Function app timeout duration

Plan	Runtime Version	Default	Maximum
Consumption	1.x	5	10
Consumption	2.x	5	10
Consumption	3.x	5	10
Premium	1.x	30	Unlimited
Premium	2.x	30	Unlimited
Premium	3.x	30	Unlimited
App Service	1.x	Unlimited	Unlimited
App Service	2.x	30	Unlimited
App Service	3.x	30	Unlimited



# Overview of Triggers

A trigger is what invokes a function to run

A trigger defines how a function is invoked

Each function in Azure Functions must have only one trigger

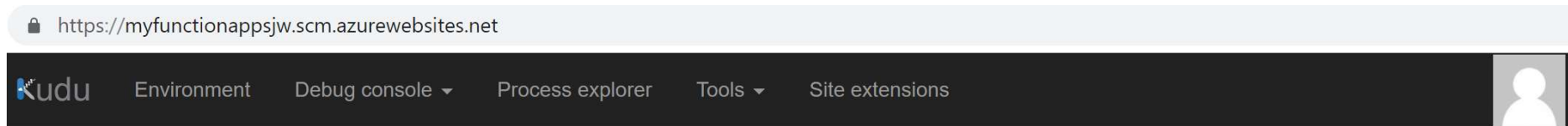
Triggers usually have associated data, which is nothing but the payload that triggered the function

# Triggers: Hands-on

# What are Kudu in Function App

- The advanced tools for App Service (also known as Kudu)
- Provide access to advanced administrative features of your function app.
- From Kudu, you manage
  - System information,
  - App settings,
  - Environment variables,
  - Site extensions,
  - HTTP headers, and
  - server variables.
- Accessing your KUDU console is easily done via the following URL:  
<https://dotest.scm.azurewebsites.net>
- Replace dotest with the name of your app name

# What are Kudu in Function App



## Environment

Build	79.11121.3655.0 (935294dece)
Azure App Service	79.0.8598.64 (rd_websites_stable.181217-1712)
Site up time	00.00:03:05
Site folder	D:\home
Temp folder	D:\local\Temp\

## REST API (works best when using a JSON viewer extension)

- [App Settings](#)
- [Deployments](#)
- [Source control info](#)
- [Files](#)
- [Log streaming](#) (use curl, not browser!)
- [Processes and mini-dumps](#)
- [Runtime versions](#)
- Site Extensions: [installed](#) | [feed](#)
- [Web hooks](#)
- WebJobs: [all](#) | [triggered](#) | [continuous](#)
- Functions: [list](#) | [host config](#)

# Kudo: Hands-on

*Thanks*