

Building an (Evil?) Empire with Azure Functions

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Wanted: Henchmen

- Must be able to follow orders
- Must be ready 24/7
- Must have an easy trigger
- Should be trainable
- Can work well in groups or alone
- Need to be a good fit for the organization



Azure Function Resume

- Announced at BUILD 2016
- Server-less architecture (no emotional baggage)
- Fluent in several languages
- Multiple triggers / processing models
- Pay-as-you-go salary
- Logging of activities



Languages Spoken

- Bash
- Batch
- C#
- F#
- JavaScript
- PHP
- PowerShell
- Python
- TypeScript



Triggers Types

- Timers
- Blob
- HTTP
- Generic WebHooks
- Git WebHooks
- Queues
- Service Bus Topic / Queue
- CosmosDB
- Manual

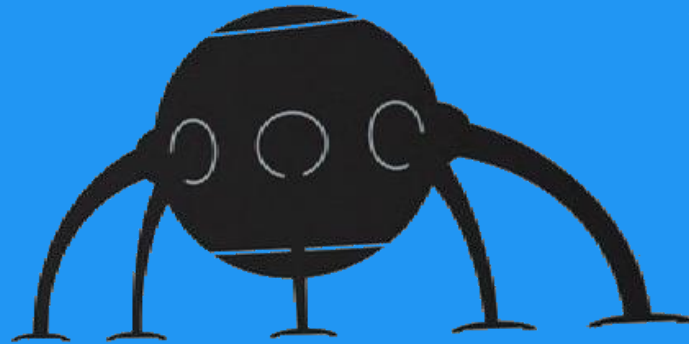


Day to Day Duties

- Guided / Manual Creation
- Dependencies
 - `project.json`
- Logging
 - `log.Info`
- 3rd party assemblies
- Application Settings



See them in action!



Some new stuff

- Durable Functions
 - Stateful workflows
 - Call other functions
 - Local state persists
 - Github Repo
- Extensibility
 - Create bindings
 - Used in developer-hosted services
 - Provide declarative interface for SDKs



Learn more

- **Azure Functions**
<https://azure.microsoft.com/en-us/services/functions/>
- **Introducing Azure Functions**
<https://azure.microsoft.com/en-us/blog/introducing-azure-functions/>
- **What is Server-less Computer? Exploring Azure Functions**
<http://www.hanselman.com/blog/WhatIsServerlessComputingExploringAzureFunctions.aspx>
- **Durable Functions Overview**
<https://docs.microsoft.com/en-us/azure/azure-functions/durable-functions-overview>
- **Code and test Azure Functions locally**
<https://docs.microsoft.com/en-us/azure/azure-functions/functions-run-local>
- **Using an Azure Function Webhook with Kentico Cloud**
<https://kenticocloud.com/blog/using-an-azure-function-webhook-with-kentico-cloud>



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