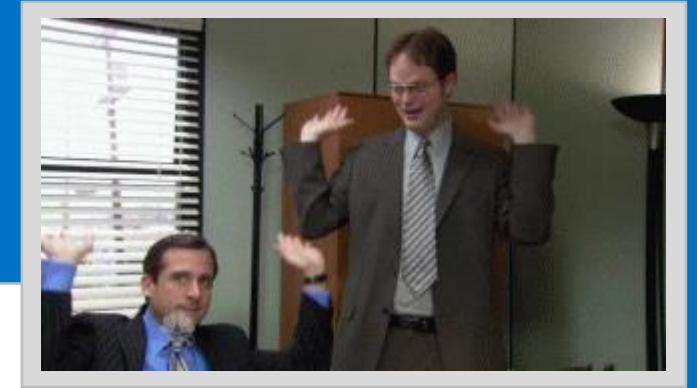


Building an (Evil?) Empire with Azure Functions

Bryan Soltis
Microsoft Azure MP
[@bryan_soltis](#)



Big Thanks to the Sponsors!



GET THE TOOLS

<http://bit.ly/AzureFunctionsTools>

*** Requires Visual Studio 2017**



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

Fluent

- C#
- F#
- JavaScript

Conversational (Experimental)

- Bash
- Batch
- PHP
- PowerShell
- Python
- TypeScript



Triggers Types

- HTTP
- Timers
- Queues
- Service Bus Queue / Topic
- Event Hub
- IoT Hub
- External files / tables
- Cosmos DB
- Generic Webhook
- GitHub
- Scheduled Mail
- SendGrid
- Application Insights
- Manual

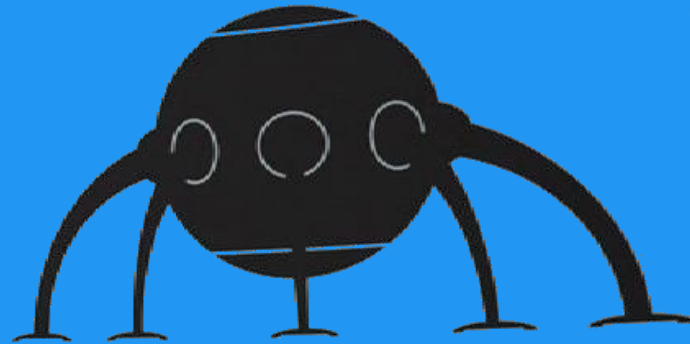


Day to Day Duties

- Guided / Manual Creation
- Versions
 - V1 - .NET Standard
 - V2 - .NET Core (in Preview)
- Logging
 - log.Info
- 3rd party assemblies
- Application Settings

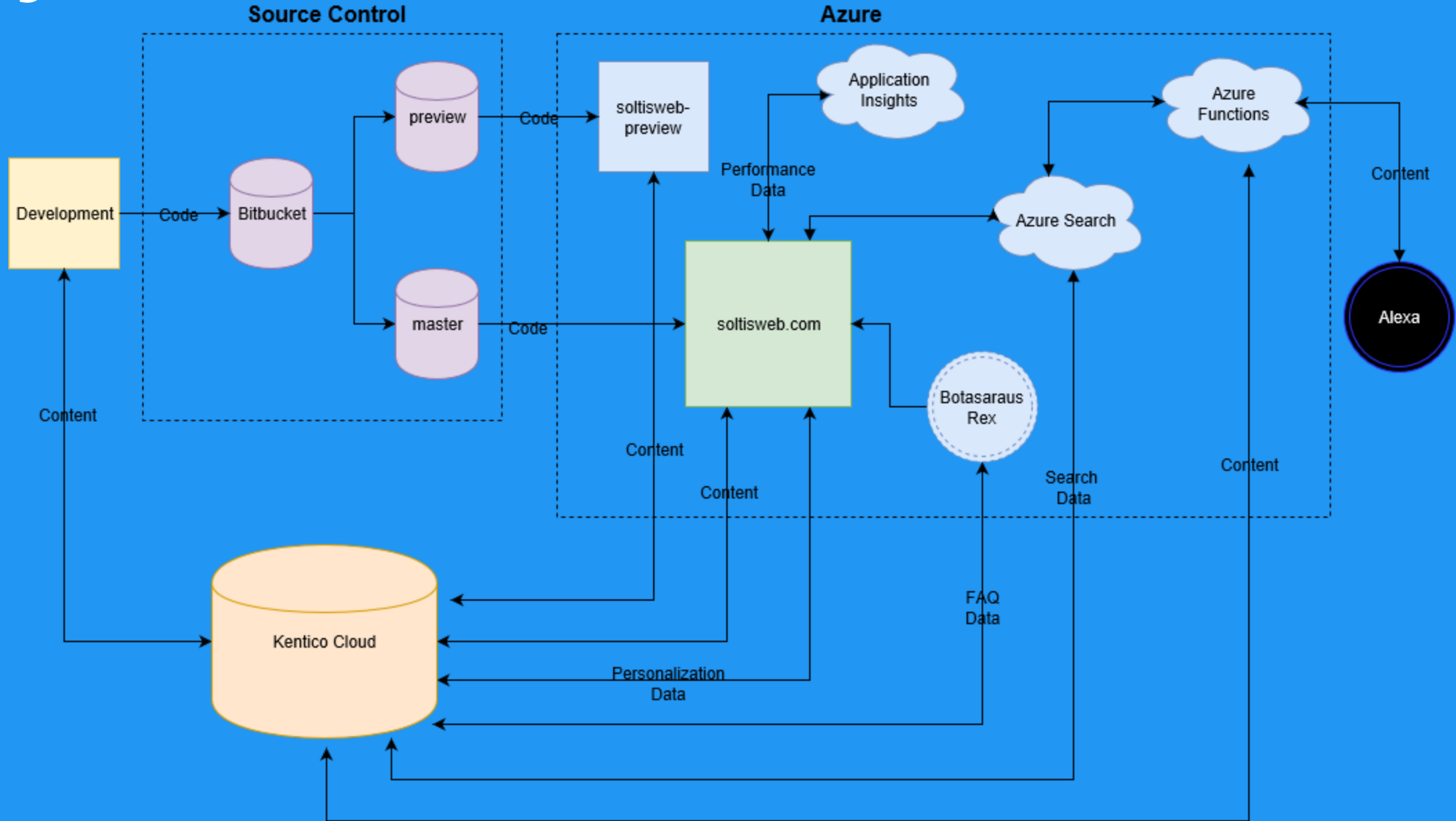


See them in action!



My site

https://devnet.kentico.com/_/building-an-mvc-site-with-kentico-cloud-part-1



Aelxa Demo



Azure Functions



Powering Alexa with Kentico Cloud
<https://kenticocloud.com/blog/powering-alex-a-with-kentico-cloud>

Hands On Lab: Create a function

1. Create a new Azure Functions project
 1. Select Azure Functions v1 (NET Framework)
 2. Select Http trigger / defaults
 3. Review base function code

2. Add a reference to **Whois** NuGet Package

3. Replace Lines 16-32 with the following.

```
var lookup = new Whois.WhoisLookup().Lookup("azure.com");  
return req.CreateResponse(HttpStatusCode.OK, lookup.ToString());
```

4. Test!

5. BONUS: Publish to Azure!



<https://tinyurl.com/AzureFunctionsCode>



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>
- **Powering Alexa with Kentico Cloud**
<https://kenticocloud.com/blog/powering-alexa-with-kentico-cloud>



Bryan Soltis (Henchmen Recruiter)

E-mail: bryan@soltisweb.com
Twitter: [@bryan_soltis](https://twitter.com/bryan_soltis)
Web: soltisweb.com
GitHub: github.com/bryansoltis
MVP: bit.ly/BryanSoltisMVP
LinkedIn: linkedin.com/in/bryansoltis

