



**Brian McKeiver**, Co-Owner, Solution Architect





**Bryan Soltis,** Azure MVP Kentico Technical Evangelists





### The first rule

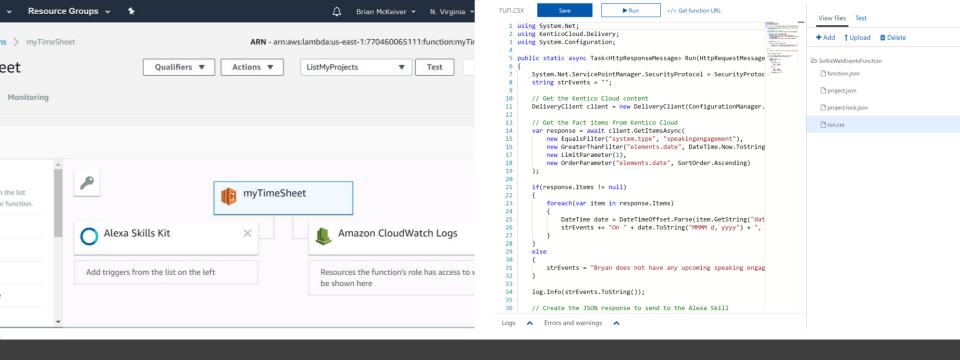
The first rule of Serverless is, you talk about Serverless

### Functions as a Service

Run code without ever thinking about a server



The Challengers



## Demos

## Developer Experience

- Developer tools
- Debugging
- Execution

Developer Command Prompt for VS 2017

Azure Functions Core Tools (2.0.1-beta.22)
Function Runtime Version: 2.0.11415.0
Usage: func [context] [context] <action> [-/--options]

#### Contexts:

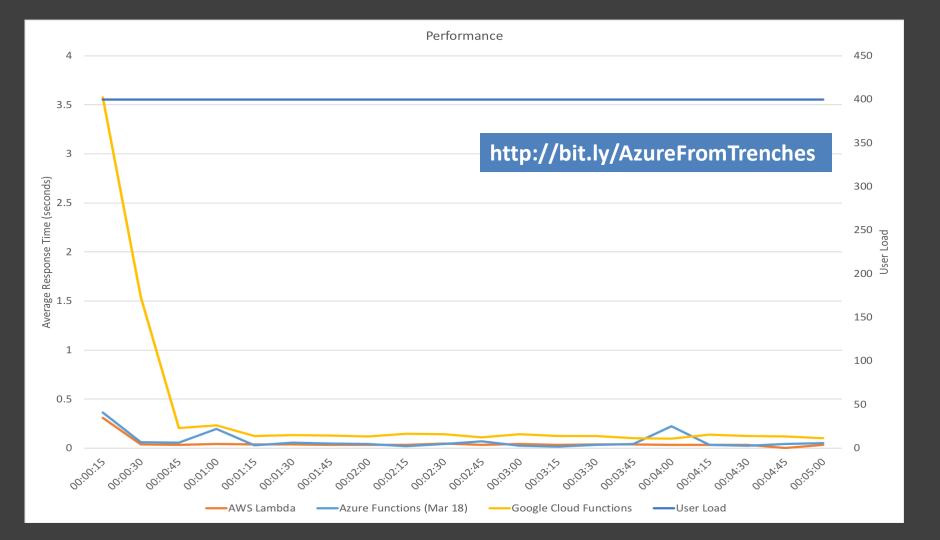
azure Commands to log in to Azure and manage resources
extensions Commands for installing extensions
function Commands for creating and running functions locally
host Commands for running the Functions host locally
settings Commands for managing environment settings for the local Functions

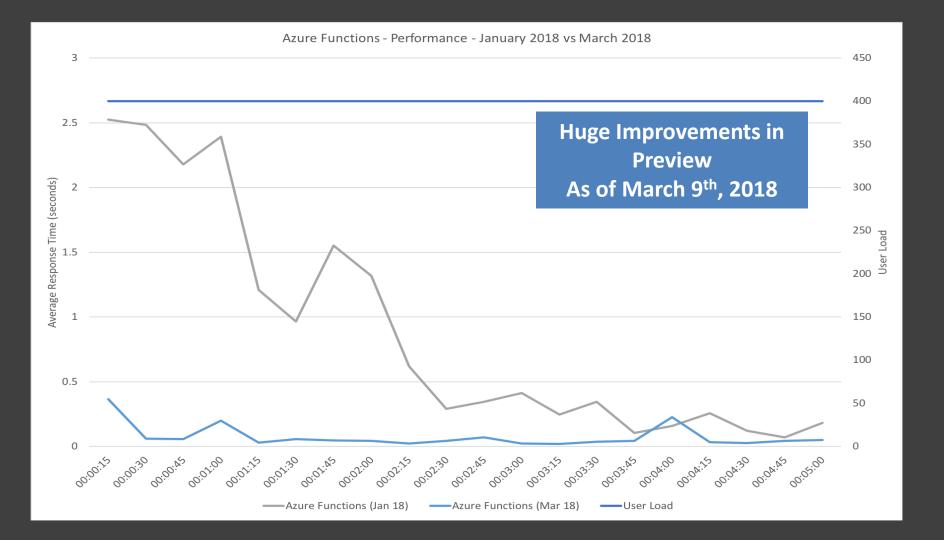
#### Actions:

templates

new Create a new function from a template. Aliases: new, create
--language [-1] Template programming language, such as C#, F#, JavaScri

Commands for listing available function templates









# Your vote?

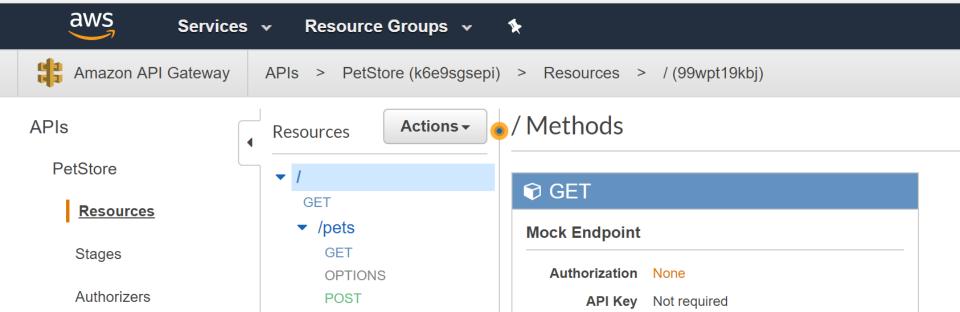
### API Proxies / Gateways

Create, publish, maintain, monitor, and secure APIs at scale





# The Challengers



▼ /{petId}

## Demo

### **Azure API Management Pricing**

DEVELOPER	BASIC
Non-production use cases and evaluations	Entry-level production us cases
~\$48.04/month	~\$147.17/month
10 MB	50 MB
1	2
No	99.9%
Yes	No
Yes	No
No	No
500 requests/sec	1,000 requests/sec
	Non-production use cases and evaluations  ~\$48.04/month  10 MB  1  No  Yes  Yes  No

### **AWS pricing for API Gateway**

#### Free Tier

The Amazon API Gateway free tier includes one million API calls received per month for u calls per month, you will be charged the API Gateway rates.

#### **Pricing Examples**

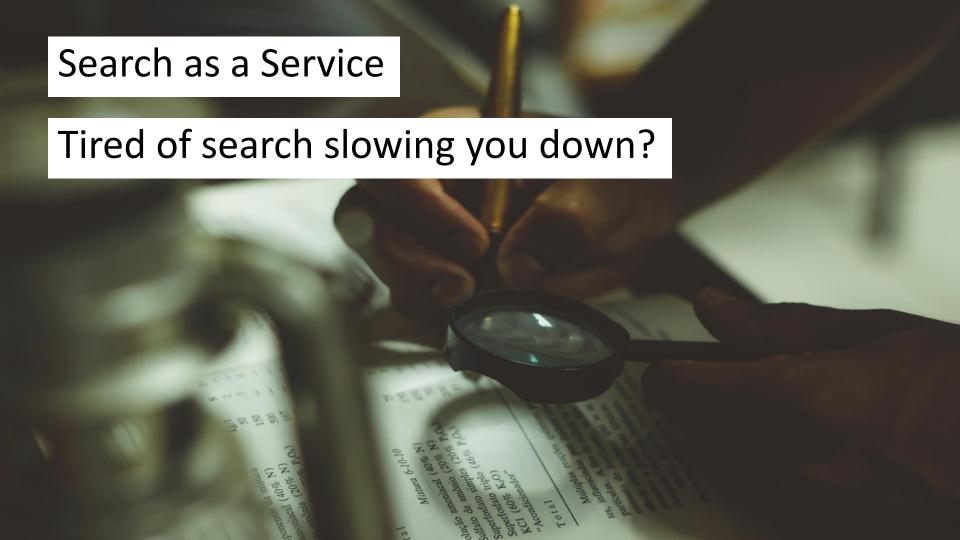
An API that receives five million API calls per month, with each API call returning responses of 3 kilobytes (KB) in size with no caching.

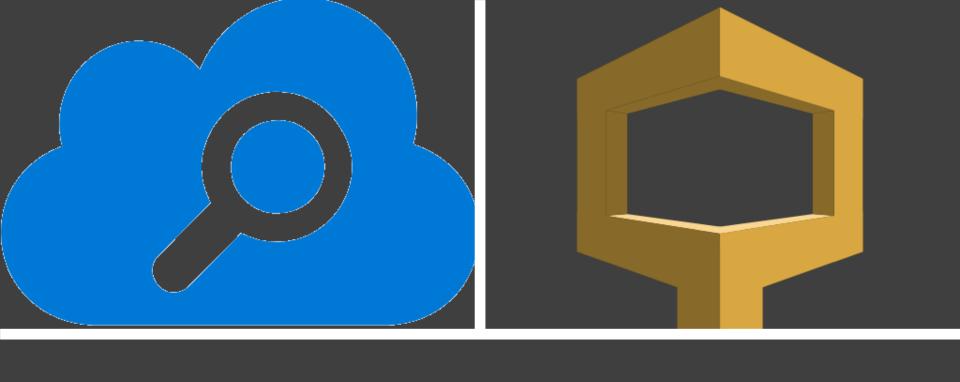
Example below reflects pricing for US East, US West, EU (Ireland)

Total Amazon API Gateway charges	\$17.50 + \$1.29 = \$18.79
Amazon API Gateway data transfer charges	14.3 GB * \$0.09 = \$ <b>1.29</b>
Total size of data transfers	3 KB * 5 million= 15 million/KB = 14.3 GB
Amazon API Gateway API call charges	5 million * \$3.50/million = <b>\$17.50</b>

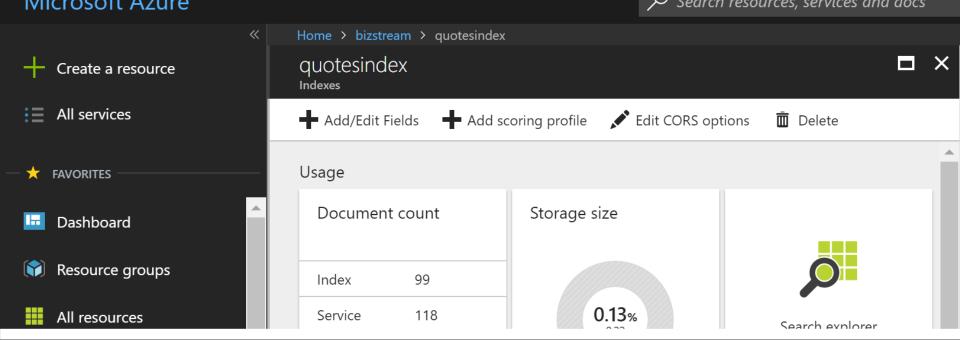


Your vote?





The Challengers

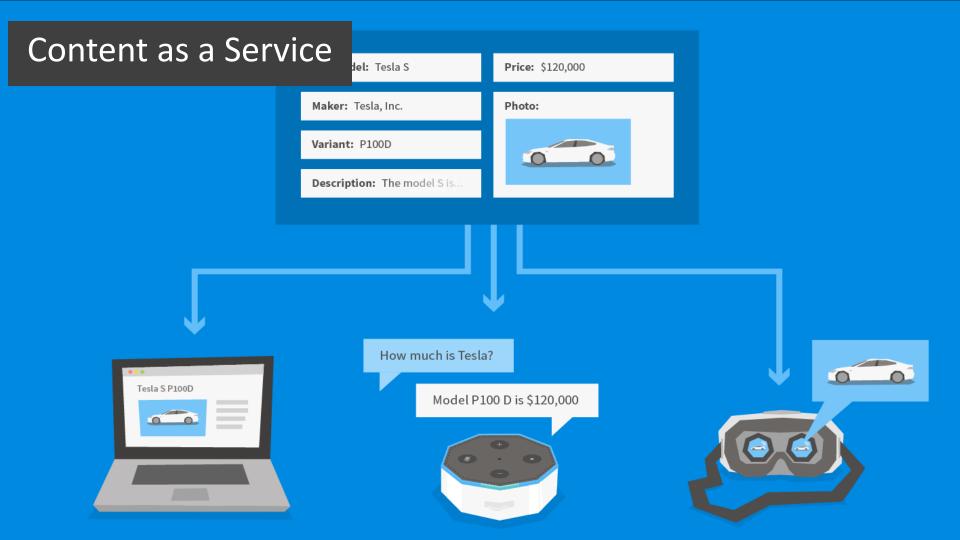


# Demo





# Your Vote?





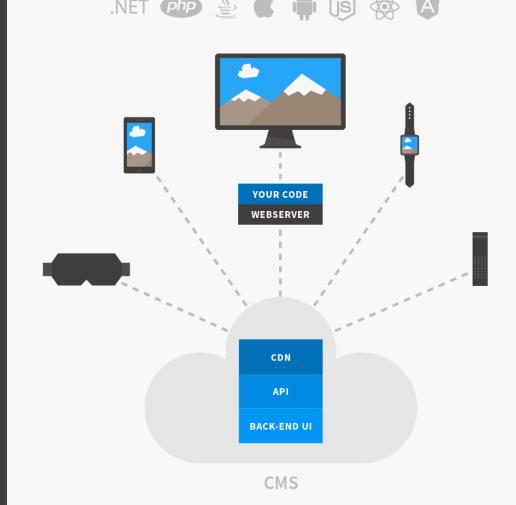
Headless CMS Challengers



**API first approach** 

**Cloud-hosted** 

Choose any programming language you like



#### cURL .NET

```
using KenticoCloud.Delivery;
DeliveryClient client = new DeliveryClient("975bf280-fd91-488c-994c-2f04416e5
ee3");
DeliveryItemListingResponse response = await client.GetItemsAsync(
     new EqualsFilter("system.type", "article"),
new ElementsParameter("title", "summary", "post_date", "teaser_image"),
new ContainsFilter("elements.personas", "coffee_lover"),
new OrderParameter("elements.post_date", SortOrder.Descending),
      new DepthParameter (0),
      new LimitParameter(3)
var items = response.Items;
```

Clone the repo and install the dependencies.

git clone https://github.com/contentful/the-example-app.csharp.git

dotnet restore

### Steps for read-only access

To start the server, run the following



dotnet run

Open http://localhost:3000 and take a look around.



**HOME** 

COURSES

Home > Courses > Hello Contentful

#### Table of contents

Course overview

**APIs** 

Content model

Content management

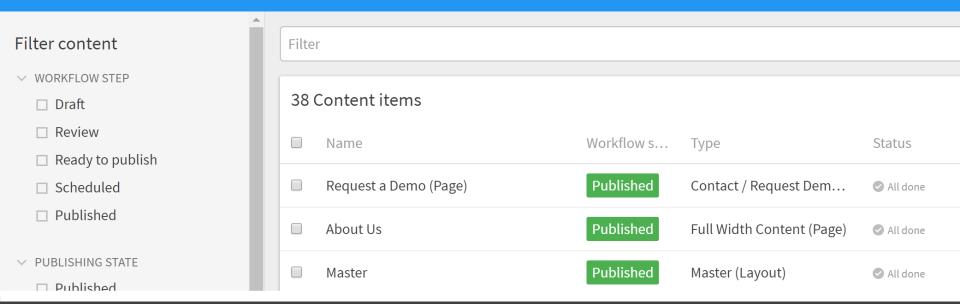
Summary

#### **Hello Contentful**

**OVERVIEW** 

http://github.com/contentful/the-example-app.csharp

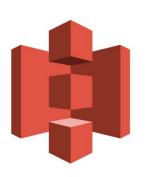
### **Content inventory**



### Demo

## Who Reigns Supreme?













Amazon CloudSearch



### Our Winner





# Questions





Brian McKeiver Co-Owner & Kentico MVP, BizStream

@mcbeev www.linkedin.com/in/brianmckeiver www.mcbeev.com www.github.com/mcbeev www.bizstream.com Bryan Soltis
Kentico Tech Evangelist & Azure MVP

@bryan\_soltis www.linkedin.com/in/bryansoltis www.soltisweb.com www.github.com/bryansoltis www.kentico.com