

## Serverless architecture



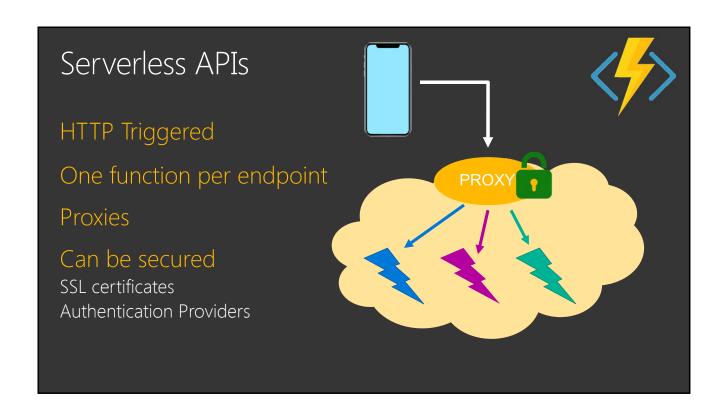
Small units of computation (functions, lambdas, etc)

Each function is stateless, independent

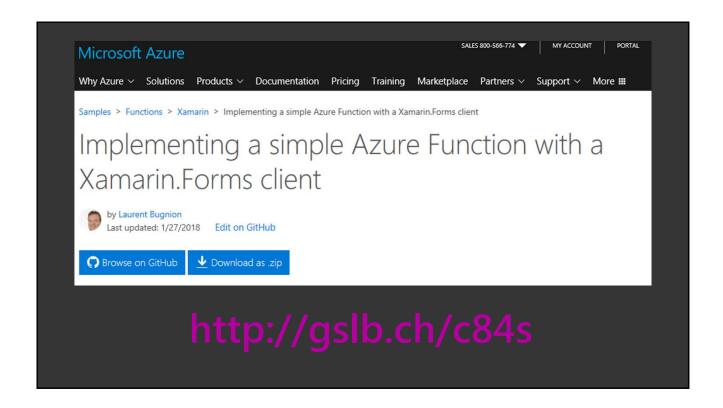
Messaging between the functions (Event Grid, Connectors, etc)

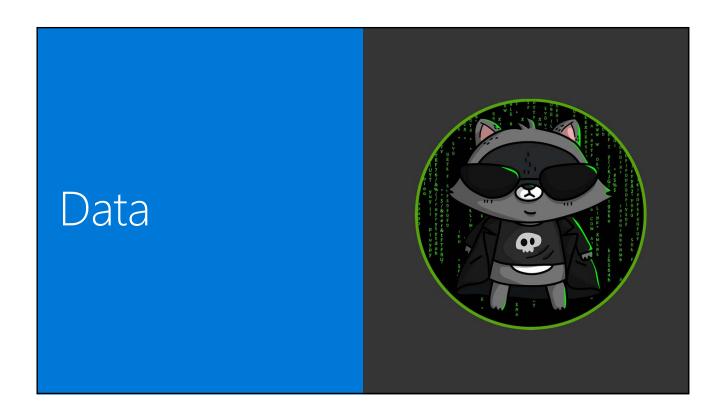
Various triggers

Develop, debug, test locally in Visual Studio









# Azure Data Offering



### SQL

"Lift and shift"

#### Azure Tables

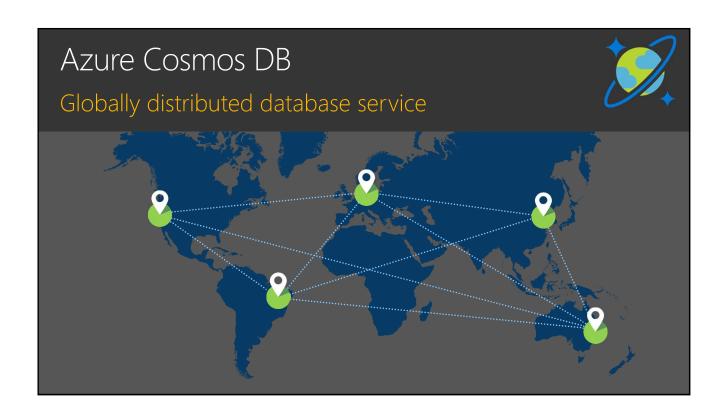
Fast and easy to implement, less powerful

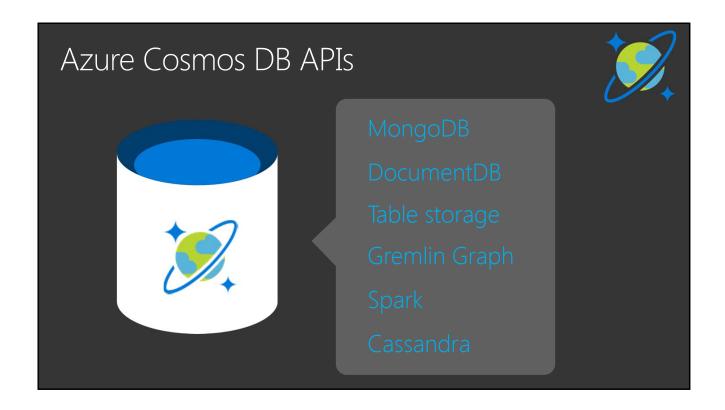
#### CosmosDB

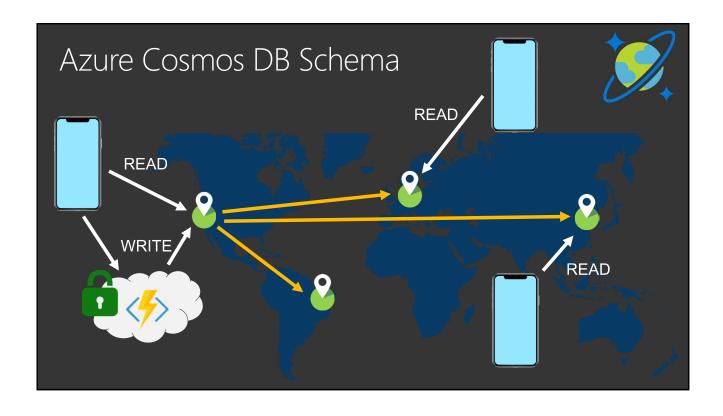
Globally distributed, multi-model database service

### Data Lake

Big data, Analytics

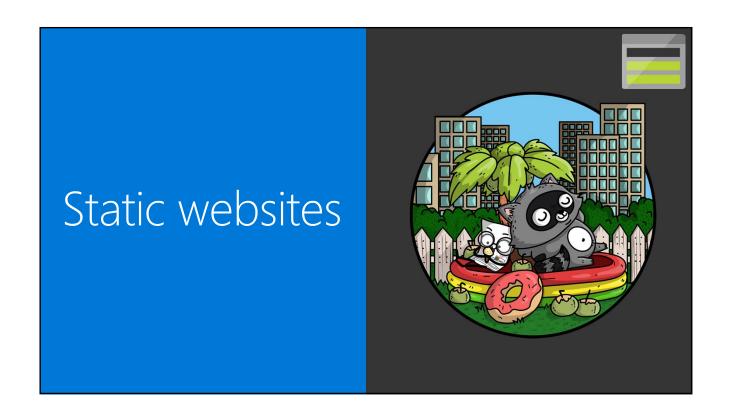


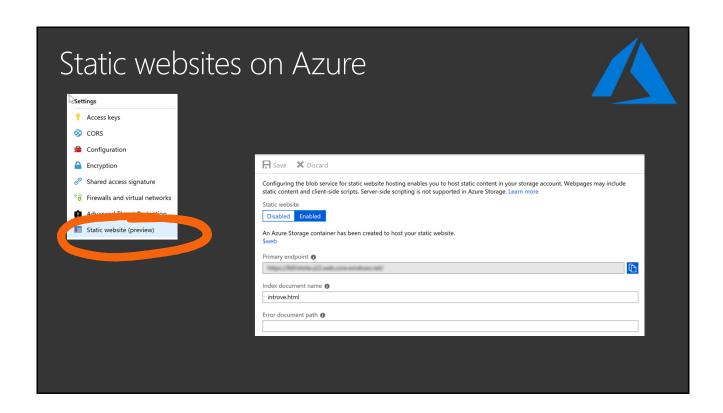




W14 - Azure, Windows and Xamarin: Using the Cloud to Power Your Cross-platform Applications - Laurent Bugnion

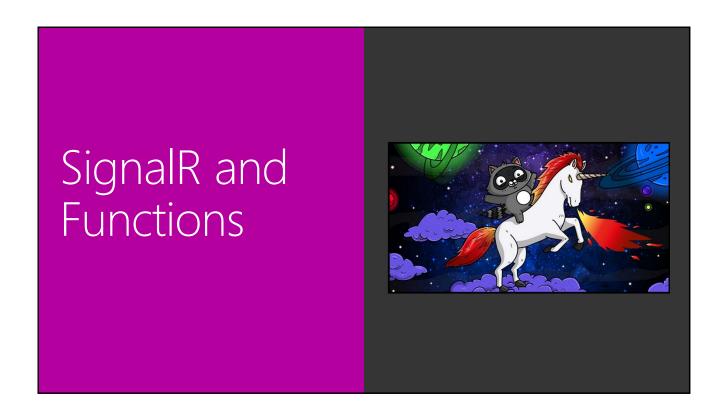




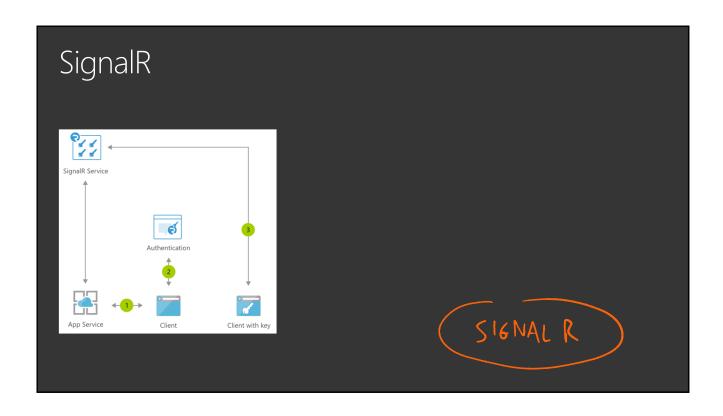




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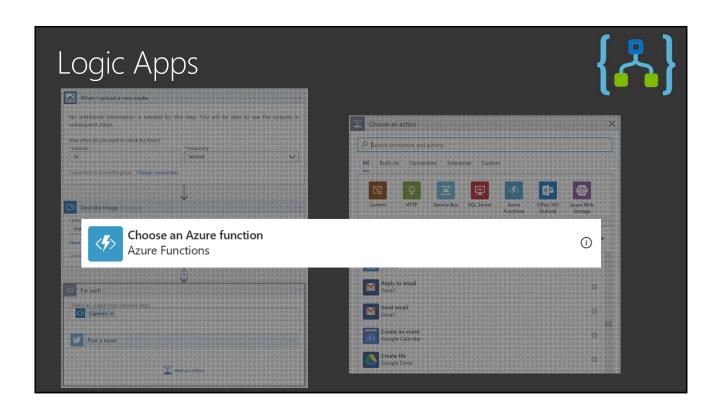




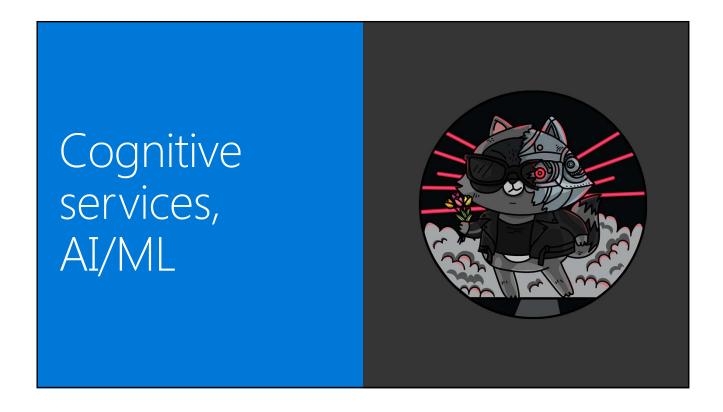


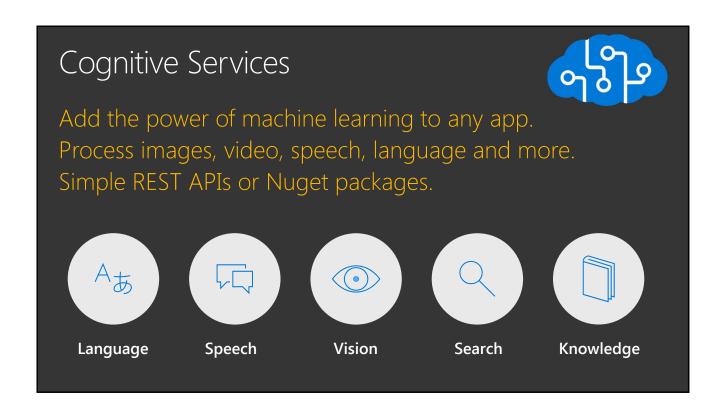
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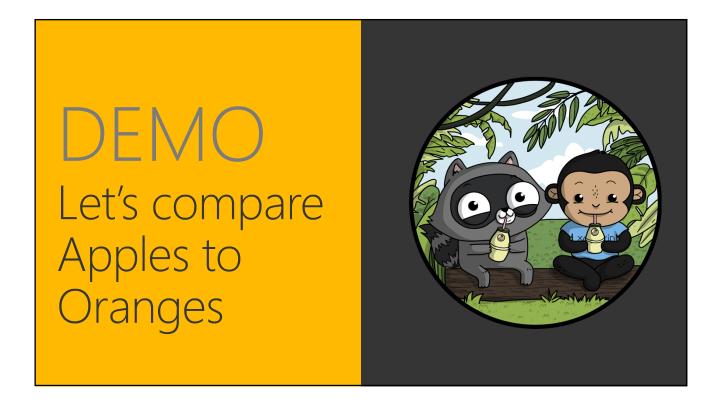












### Resources Azure Functions



Azure Functions overview <a href="http://gslb.ch/c10s-vslivesandiego18">http://gslb.ch/c10s-vslivesandiego18</a>

**ALL YOU NEED:** 

Quickstart in portal <a href="http://gslb.ch/c15s-vslivesandiego18">http://gslb.ch/c15s-vslivesandiego18</a>

http://gslb.ch/vslivesandiego18-3

Quickstart in Visual Studio <a href="http://qslb.ch/c76s-vslivesandiego18">http://qslb.ch/c76s-vslivesandiego18</a>

Article "Implementing a simple Azure Function with a Xamarin.Forms client" <a href="http://gslb.ch/c84s-vslivesandiego18">http://gslb.ch/c84s-vslivesandiego18</a>



## Resources CosmosDB



Welcome to Azure Cosmos DB http://gslb.ch/c7s-vslivesandiego18

**ALL YOU NEED:** 

http://gslb.ch/vslivesandiego18-3

Azure Cosmos DB http://aslb.ch/c115s-vslivesandiego18

Try Azure Cosmos DB for free http://gslb.ch/c116s-vslivesandiego18

GeoContacts app repo

https://github.com/xamarinhq/app-geocontacts



# Resources Cognitive Services, AI/ML



What is Cognitive Services? <a href="http://gslb.ch/c117s-vslivesandiego18">http://gslb.ch/c117s-vslivesandiego18</a>

Cognitive Services http://gslb.ch/c43s-vslivesandiego18

http://gslb.ch/vslivesandiego18-3

Azure Machine Learning Studio <a href="http://gslb.ch/c119s-vslivesandiego18">http://gslb.ch/c119s-vslivesandiego18</a>

Jupyter notebook in Azure Machine Learning Workbench <a href="http://gslb.ch/c118s-vslivesandiego18">http://gslb.ch/c118s-vslivesandiego18</a>

Custom Vision Client repo http://gslb.ch/c152s-vslivesandiego18

Exporting a model to mobile <a href="http://gslb.ch/c145s-vslivesandiego18">http://gslb.ch/c145s-vslivesandiego18</a>



# Resources Static Websites, Logic Apps



Blog announcement <a href="http://gslb.ch/c196s-vslivesandiego18">http://gslb.ch/c196s-vslivesandiego18</a>

Example with Blazor <a href="http://gslb.ch/c197s-vslivesandiego18">http://gslb.ch/c197s-vslivesandiego18</a>

Azure Storage Explorer <a href="http://gslb.ch/c16s-vslivesandiego18">http://gslb.ch/c16s-vslivesandiego18</a>

http://gslb.ch/vslivesandiego18-3

# Resources Docker, SignalR, EventHub



Docker on Windows <a href="http://gslb.ch/c238s-vslivesandiego18">http://gslb.ch/c238s-vslivesandiego18</a>



SignalR

Docker on Azure <a href="http://gslb.ch/c239s-vslivesandiego18">http://gslb.ch/c239s-vslivesandiego18</a>

SignalR documentation <a href="http://gslb.ch/c237s-vslivesandiego18">http://gslb.ch/c237s-vslivesandiego18</a>

Azure Event Hub <a href="http://gslb.ch/c240s-vslivesandiego18">http://gslb.ch/c240s-vslivesandiego18</a>

**ALL YOU NEED:** 

http://gslb.ch/vslivesandiego18-3

## Free Azure!!



Azure free account <a href="http://qslb.ch/c17s-vslivesandiego18">http://qslb.ch/c17s-vslivesandiego18</a>

http://gslb.ch/vslivesandiego18-3

Azure for students
http://gslb.ch/c120s-vslivesandiego18





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