Microsoft

Azure App Service

Kristin Ottofy

Technical Evangelist

kristin.ottofy@microsoft.com

@kristinottofy

Agenda

- Microsoft Opportunities
- Azure
- Azure App Service (Demos)
- Resources

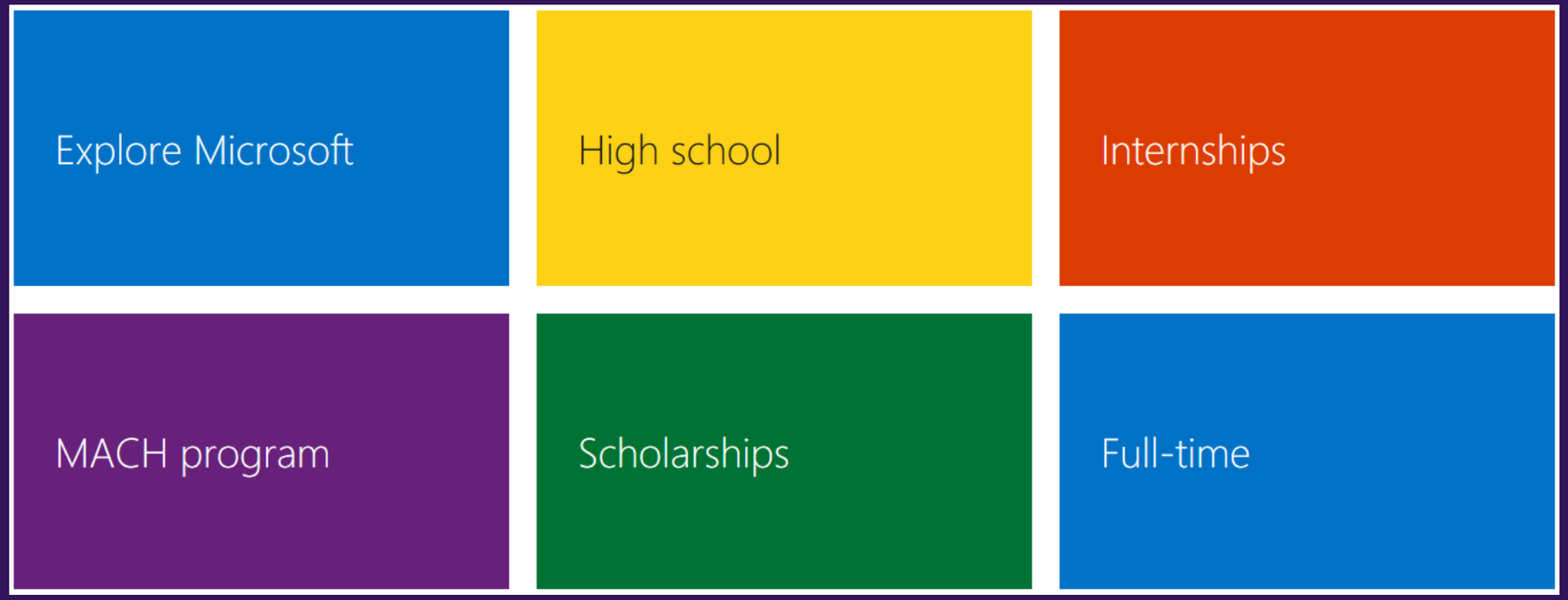
Microsoft Careers

Careers

- http://careers.microsoft.com
- http://aka.ms/careerbot

Student Programs

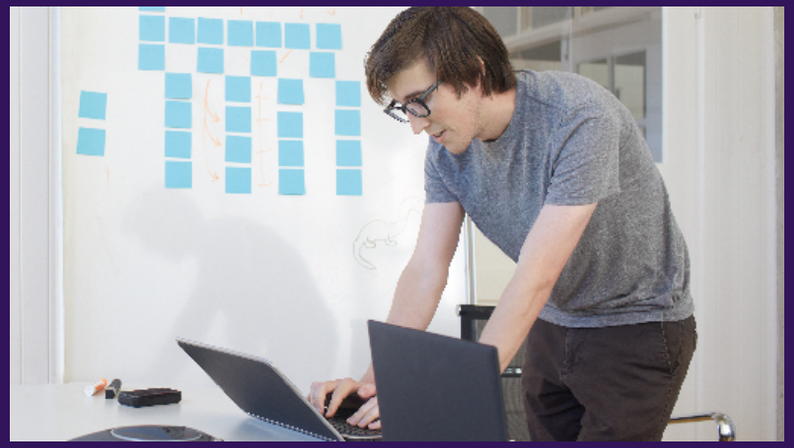
- https://careers.microsoft.com/students#programs



Microsoft Imagine

http://imagine.microsoft.com

Competitions



Developer Tools

Online Learning

Microsoft Imagine Cup

- http://imaginecup.com
- Global competition for computer science students
- Compete for cash, travel and prizes and for the honor of taking home the Imagine Cup

Microsoft Student Partner Program

- https://msdn.microsoft.com/en-us/microsoftstudentpartners.aspx

- **Leadership Experience**
- **Resume Building**
- **Exclusive Access**

Microsoft Azure

The cloud platform for digital transformation

Microsoft

Microsoft Azure

Momentum

194 billion
External Requests made to Azure App Service

340 billion
Azure SQL query requests processed/day

750 million
Azure Active Directory users

188 billion
Hits to websites run on Azure Web App Service

>90%
of Fortune 500 use Microsoft Cloud

Let’s say your app is a car…

IaaS

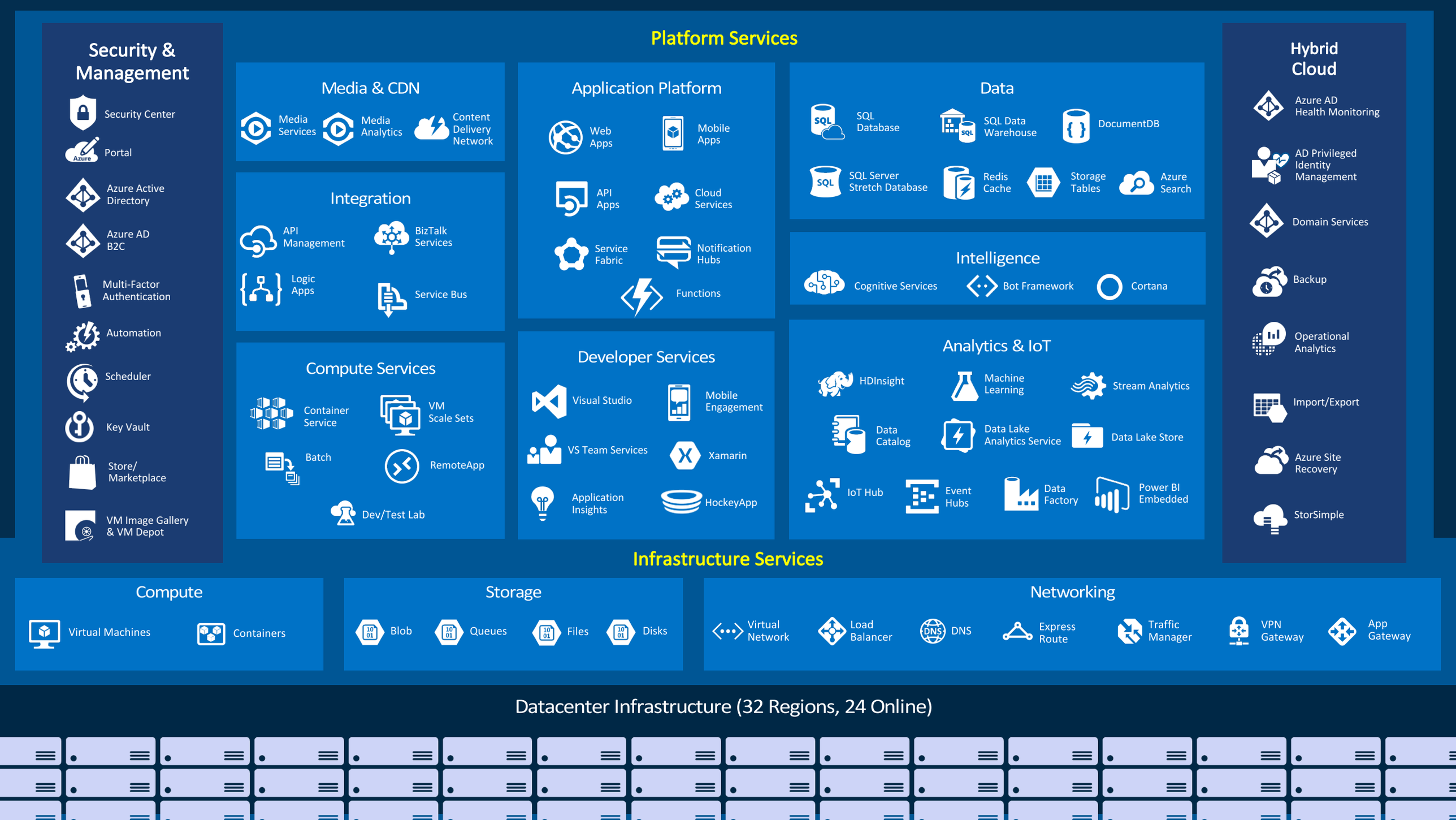
…you can own and operate your own car

PaaS

…you don’t own a car but can create innovative apps using an application platform

SaaS

…you can take a taxi


Security & Management
Security Center
Portal
Azure Active Directory
Azure AD B2C
Multi-Factor Authentication
Automation
Scheduler
Key Vault
Store/ Marketplace
VM Image Gallery & VM Depot
Platform Services
Media & CDN
Media Services
Media Analytics
Content Delivery Network
Integration
API Management
BizTalk Services
Logic Apps
Service Bus
Compute Services
Container Service
VM Scale Sets
Batch
RemoteApp
Dev/Test Lab
Application Platform
Web Apps
Mobile Apps
API Apps
Cloud Services
Service Fabric
Notification Hubs
Functions
Developer Services
Visual Studio
Mobile Engagement
VS Team Services
Xamarin
Application Insights
HockeyApp
Data
SQL Database
SQL Data Warehouse
DocumentDB
SQL Server Stretch Database
Redis Cache
Storage Tables
Azure Search
Intelligence
Cognitive Services
Bot Framework
Cortana
Analytics & IoT
HDInsight
Machine Learning
Stream Analytics
Data Catalog
Data Lake Analytics Service
Data Lake Store
IoT Hub
Event Hubs
Data Factory
Power BI Embedded
Hybrid Cloud
Azure AD Health Monitoring
AD Privileged Identity Management
Domain Services
Backup
Operational Analytics
Import/Export
Azure Site Recovery
StorSimple
Infrastructure Services
Compute
Virtual Machines
Containers
Storage
Blob
Queues
Files
Disks
Networking
Virtual Network
Load Balancer
DNS
Express Route
Traffic Manager
VPN Gateway
App Gateway
Datacenter Infrastructure (32 Regions, 24 Online)

Azure App Service

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Web Apps

Web apps that scale with your business

Mobile Apps

Build Mobile apps for any device

Logic Apps

Automate business process across SaaS and on-premises

API Apps

Easily build and consume APIs in the cloud

App Service

Web Apps

Mobile Apps

API Apps

Logic Apps

Functions

DevOps productivity

Source code control integration

CI/CD build and deploy

Staged deployments with slots

Auto scale on demand

Monitoring and alerting

Application templates

Umbraco

Orchard

Episerver

WordPress

DNN Platform

Joomla

Drupal

Multiple languages and frameworks

ASP.NET

ASP.NET Core 1.0

Java

python

nodeJS

php

Enterprise workloads

SOC 2

ISO/IEC 27018

PCI-DSS

Industry standards

Global scale

Corporate connectivity

Azure Active Directory

Dedicated environments

Web App Demo

App Service

Web Apps

Mobile Apps

API Apps

Logic Apps

Functions

Offline sync

SQL

User authentication

Facebook

Twitter

Microsoft

Google

Azure Active Directory

Push notifications

Apple iOS OSX

Android

Windows

Kindle

In-App

Data connections

Azure SQL database

Mongo DB

Document DB

Office 365

Azure tables

Mobile App Demo

App Service

Web Apps

Mobile Apps

API Apps

Logic Apps

Functions

API fundamentals

Swagger
API Metadata

CORS enablement

Authentication / Access Control

EasyAuth

Service Principle
Authentication

API Consumption

Client SDK
Generation

Logic Apps

Power Apps

Flows

Integration with API Management

API App Demo

App Service

Web Apps

Mobile Apps

API Apps

Logic Apps

Functions

Connect SaaS applications

salesforce

SharePoint Online

box

Marketo

SAP

Unlock value across on-premises and cloud

IBM Connections

SharePoint

Microsoft SQL Server

BizTalk Server Connector

Automate EAI, B2B/EDI, and business processes

XML

{JSON}

Flatfile

VETER Pipeline

AS2/X12/ Edifact

Format conversion

Enterprise messaging

B2B

Enhance integration solution with Azure services

Functions

API management

Cognitive services

Machine learning

Blob storage

SQL database

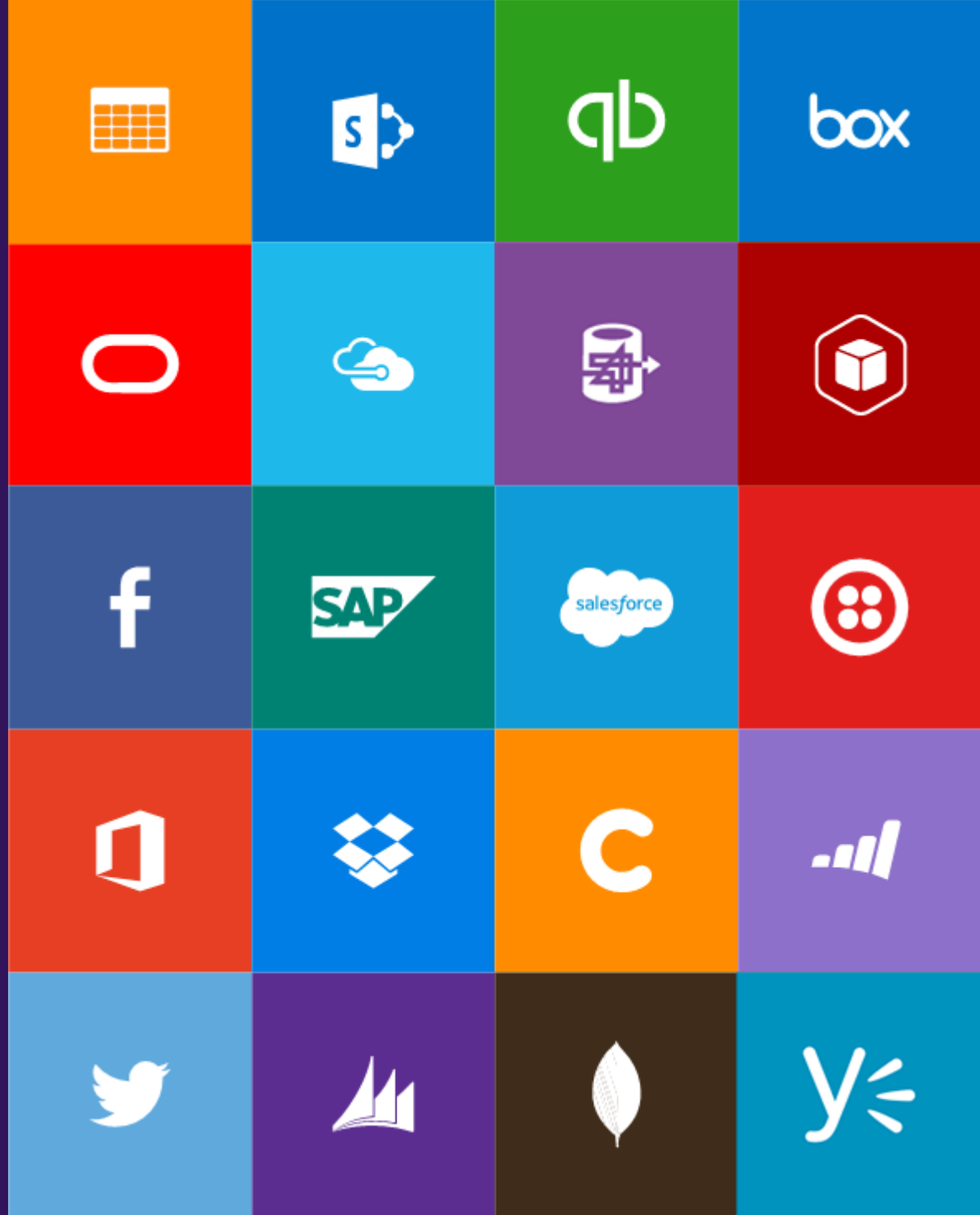
Logic App Connectors

Connectors

- Box
- Chatter
- Delay
- Dropbox
- Azure HD Insight
- Slack
- Azure Media Services
- OneDrive
- SharePoint
- SQL Server
- Office 365
- Oracle
- QuickBooks
- SalesForce
- Sugar CRM
- SAP
- Azure Service Bus
- Azure Storage
- Timer/Recurrence
- Twilio
- Twitter
- IBM DB2
- Informix
- Websphere MQ
- Azure Web Jobs
- Yammer
- Hybrid Connectivity

Protocols

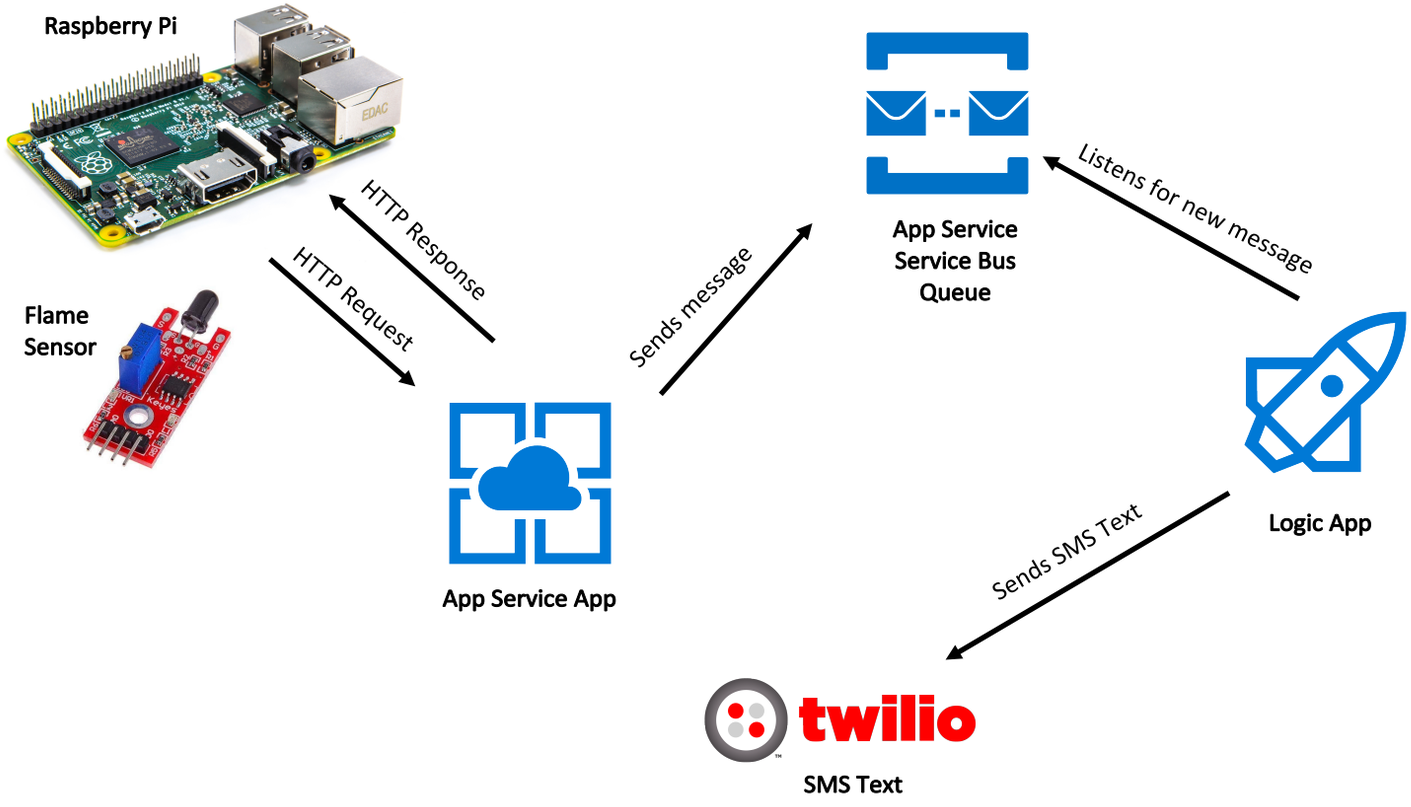
- HTTP, HTTPS
- File
- FTP, SFTP
- POP3/IMAP
- SMTP



Logic App Demo

Flame Sensor Architecture

- Raspberry Pi running Windows 10 IoT Core and UWP app with flame sensor that will send notification
- .NET Core app manages REST API with App Services
- See the code at https://github.com/kottofy/FlameSensor



App Service

Web Apps

Mobile Apps

API Apps

Logic Apps

Functions

Event-driven

Timer

Data processing

WebHook + API

Bind into services

Azure Blob Storage

Azure Queues

Azure Service Bus

OneDrive

Dropbox

Box

Google Drive

Accelerate development

Local development

Integrated DevOps

Package management

Function monitoring

Languages supported

C#

F#

JavaScript

PHP

PowerShell

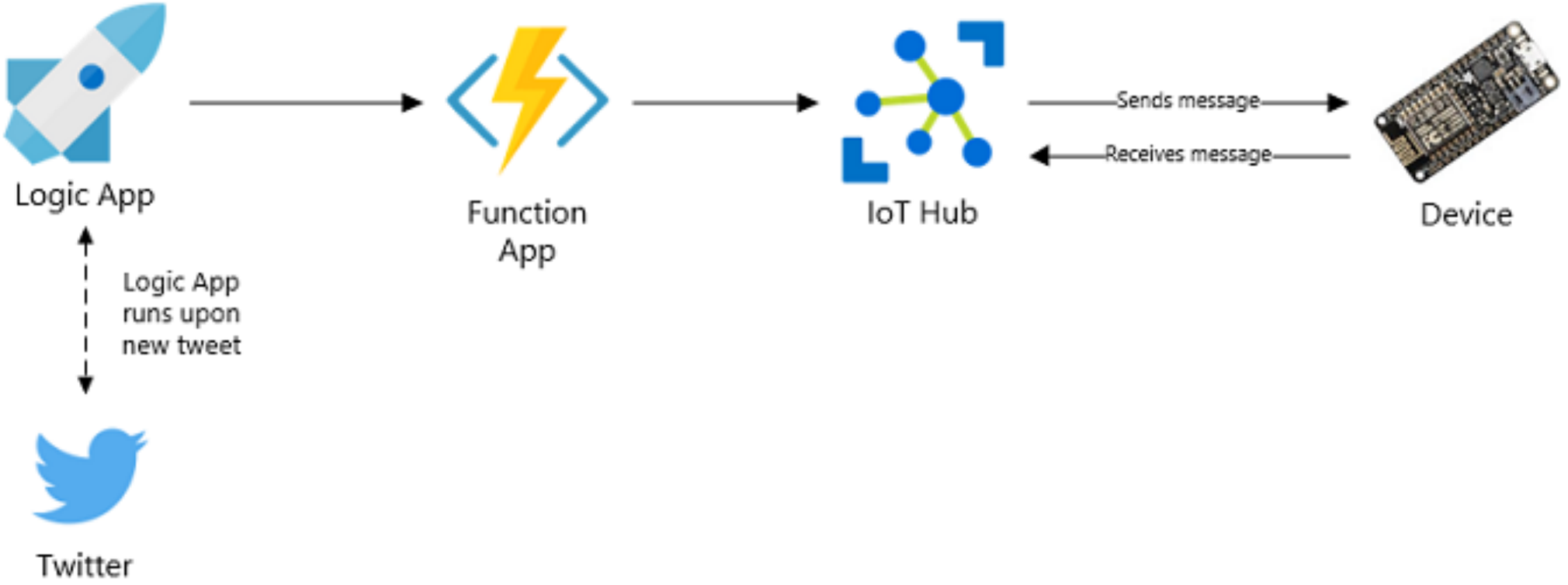
Bash

Batch

Function App Demo

Illuminate Me

Enables the Adafruit Feather Huzzah or any ESP8266 chip to receive messages from an IoT-Hub that will light up a Neopixel ring or jewel when a tweet is made.



Resources

- Try App Service
  - https://azure.microsoft.com/en-us/try/app-service/
  - Enjoy a time-limited Azure App Service experience without a subscription, free of charge and commitment.
- Azure Marketplace
  - https://azure.microsoft.com/en-us/marketplace/
  - Online store for thousands of certified, open source, and community software applications, developer services, and data—pre-configured for Microsoft Azure.

Kristin Ottofy

kristin.ottofy@microsoft.com

@kristinottofy

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