One App, Two Platforms, Three Cloud Services

Introductions

Sam Gunaratne

Software Engineer

Georgi Lozev

Software Engineer

Pivotal

SAP

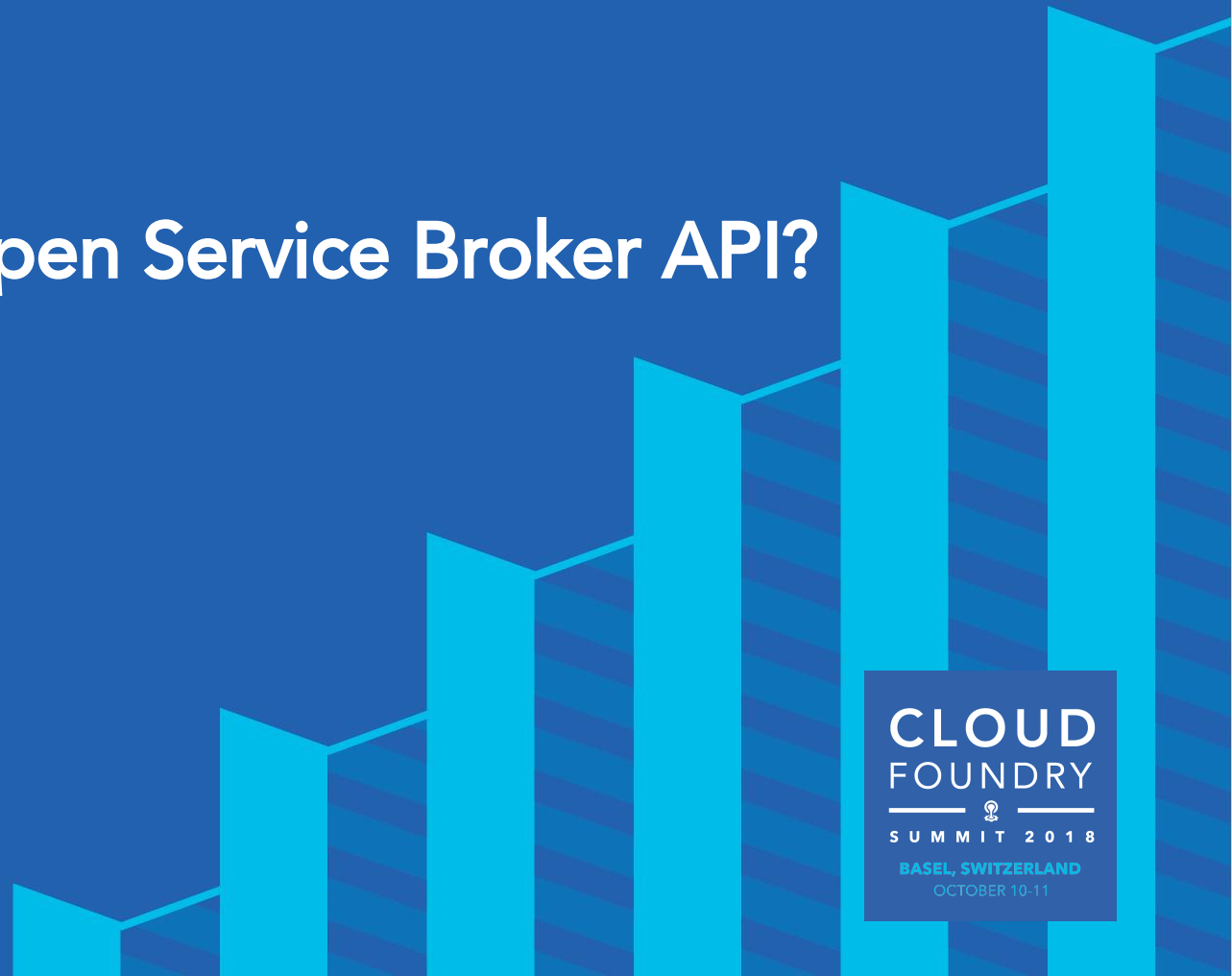
CLOUD FOUNDRY SUMMIT 2018

Agenda

- What is the Open Service Broker API?
- Tour of the ecosystem
- Demo
- Questions

CLOUD FOUNDRY
SUMMIT 2018

What is the Open Service Broker API?



OPEN SERVICE BROKER API™

Allows software vendors a single, simple and elegant way to deliver their services to applications and containers running on platforms.

Pivotal

redhat

SAP

Google

IBM

FUJITSU

Microsoft

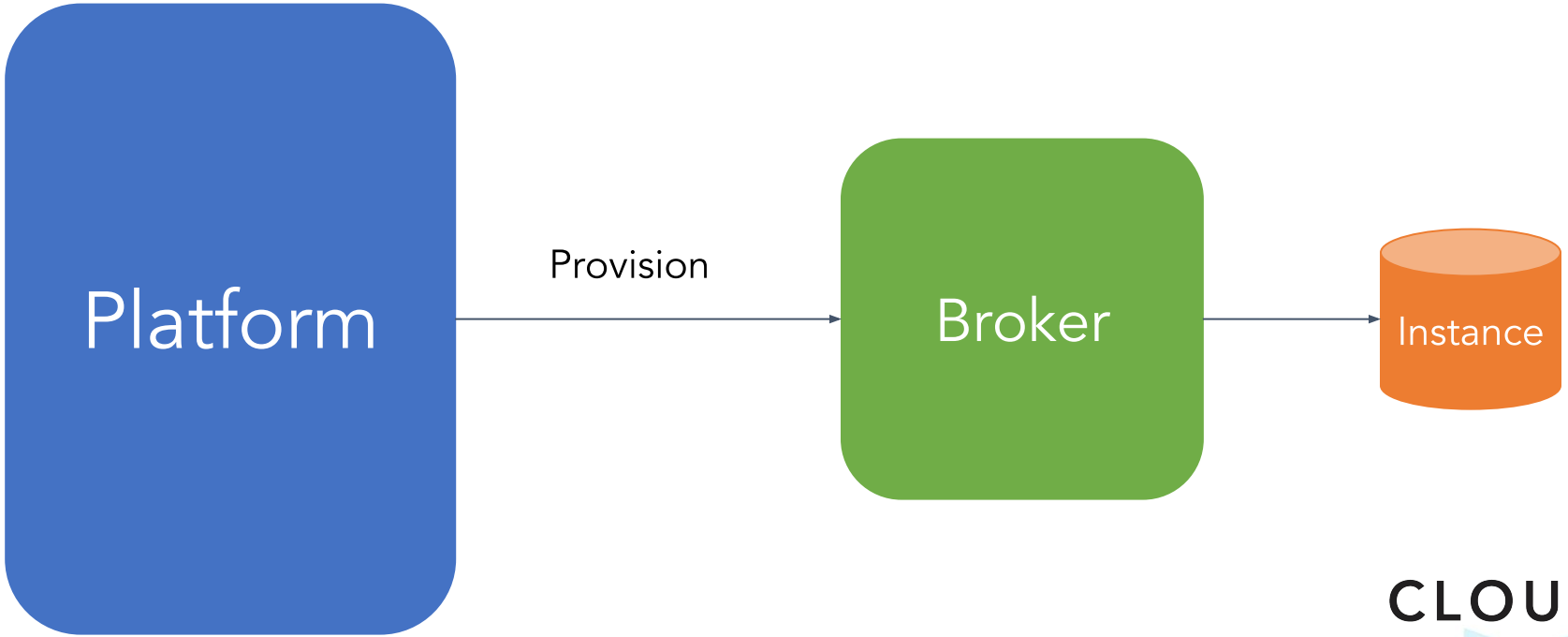
DELL EMC

orange

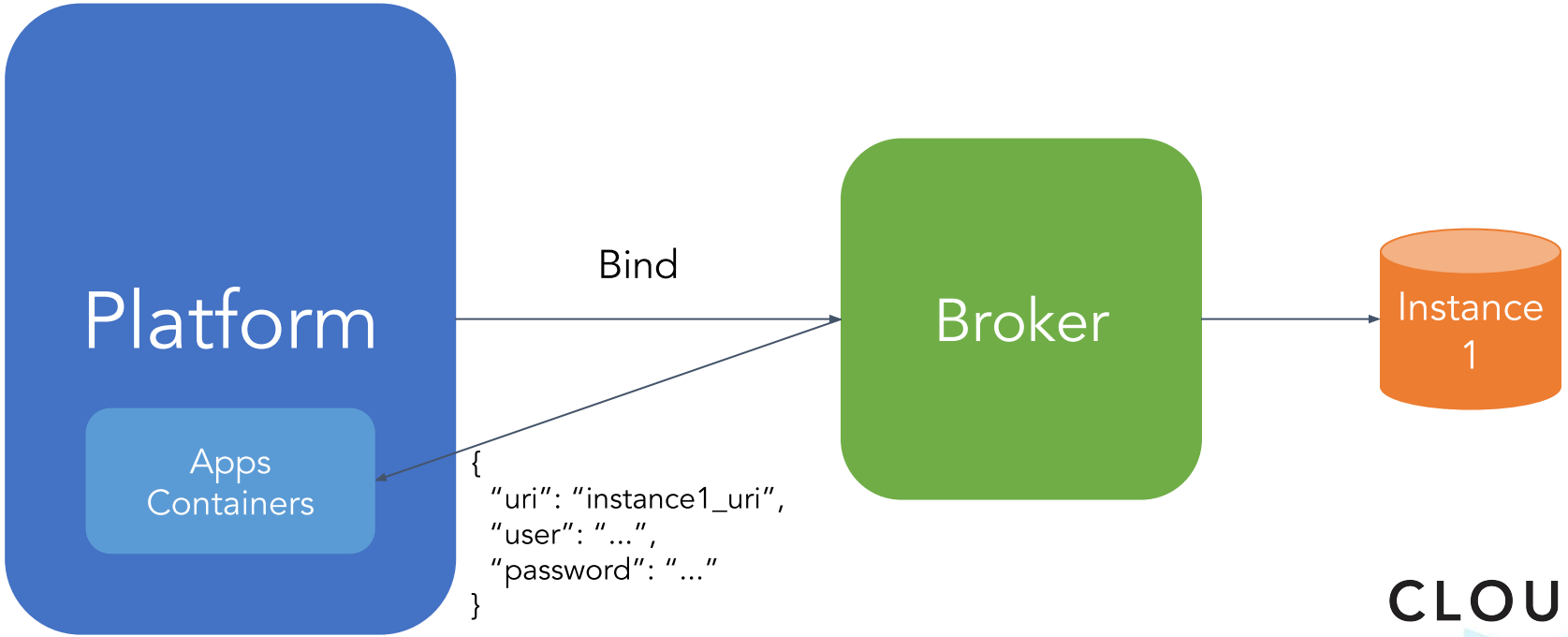
CLOUD FOUNDRY SUMMIT 2018

So what does that actually mean?

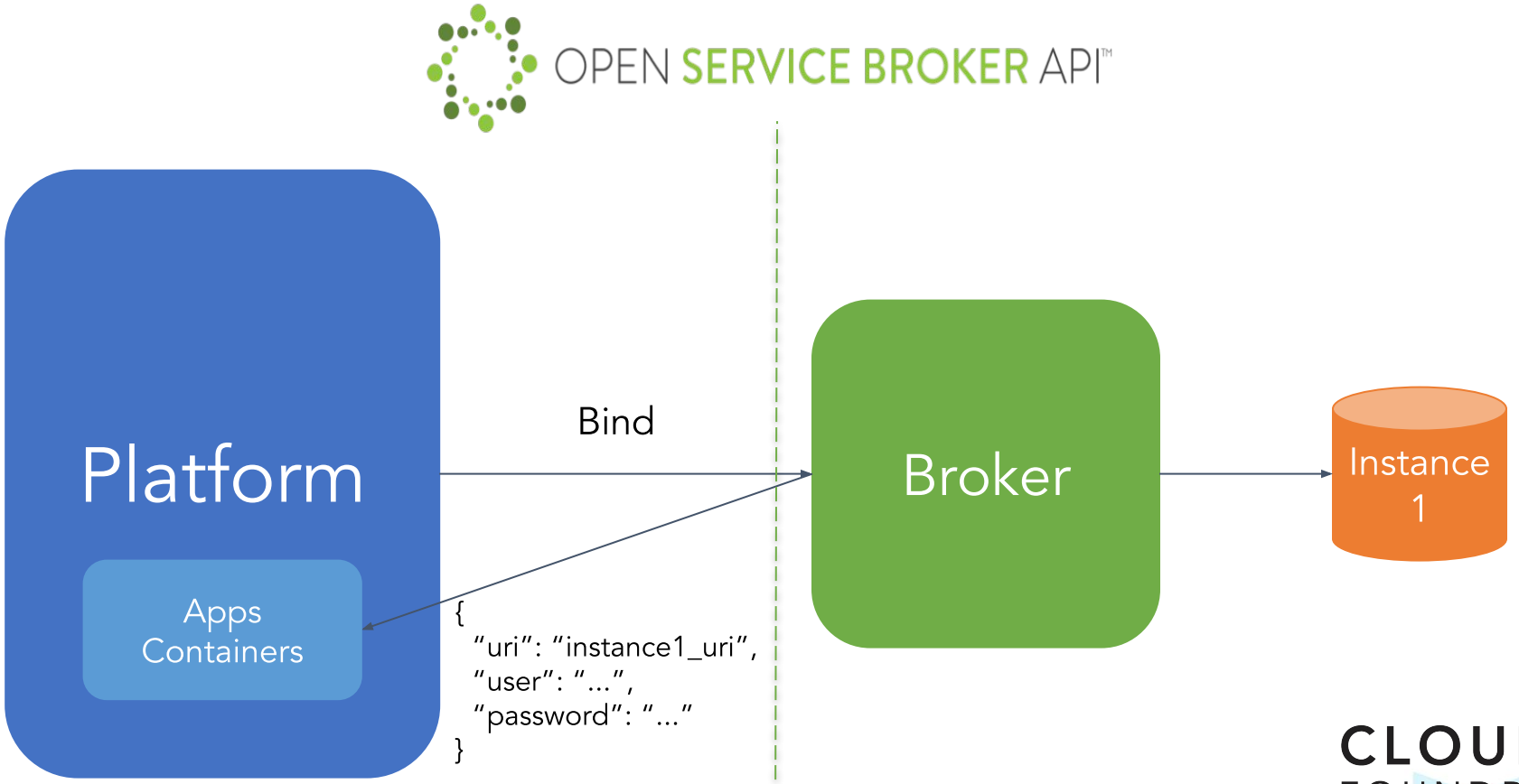
CLOUD FOUNDRY
SUMMIT 2018
BASEL, SWITZERLAND
OCTOBER 10-11



CLOUD FOUNDRY
SUMMIT 2018



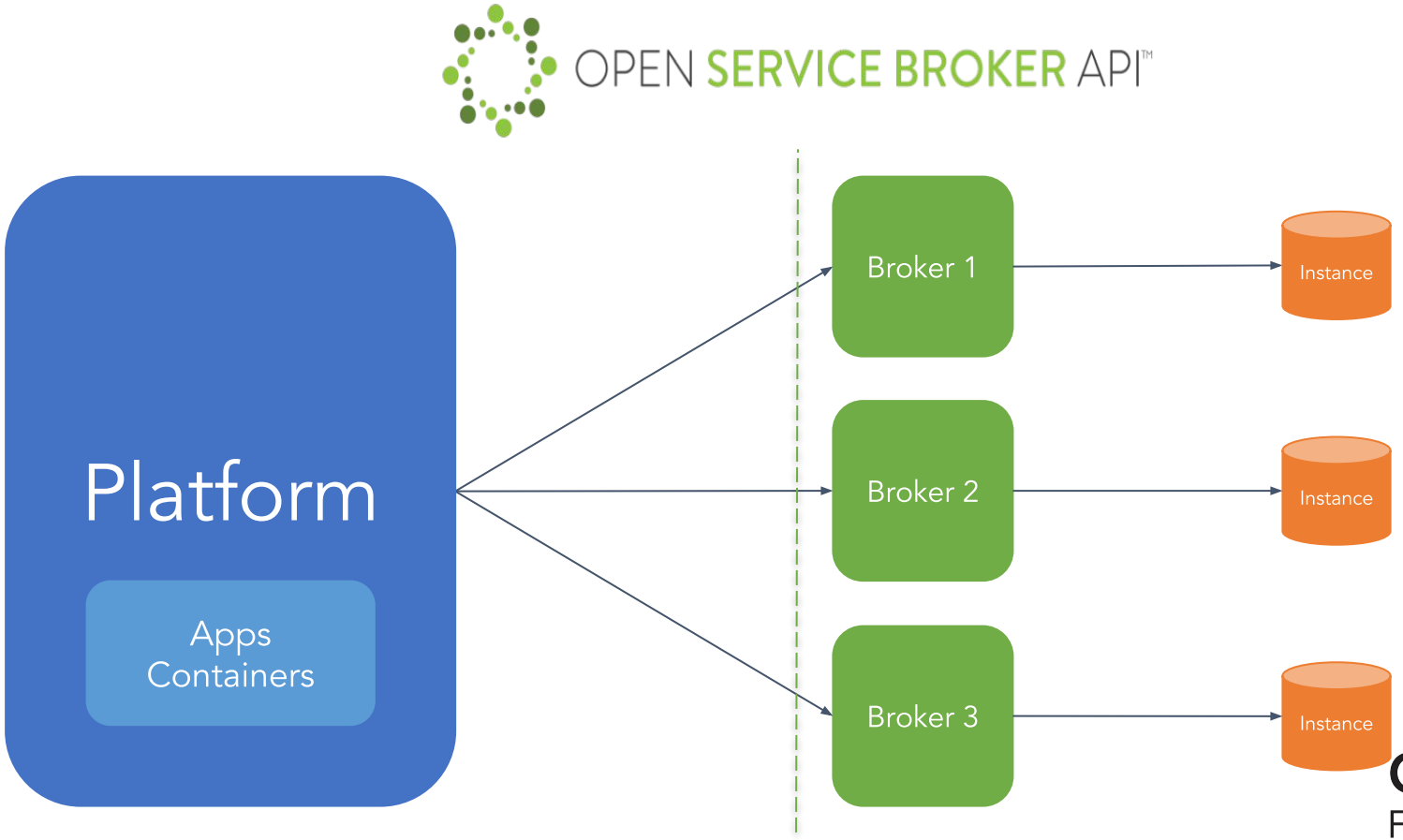
CLOUD
FOUNDRY
SUMMIT 2018



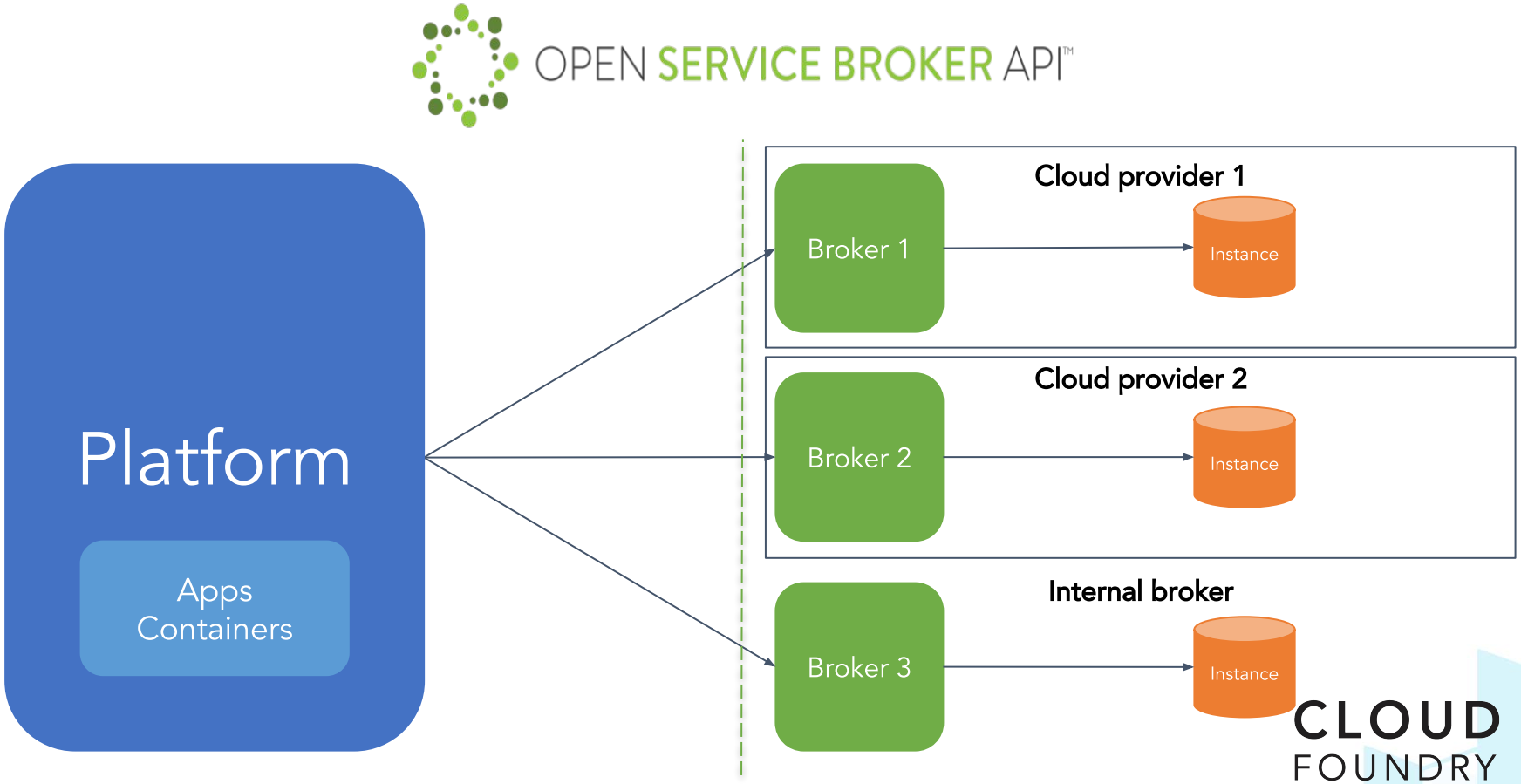
CLOUD
FOUNDRY
SUMMIT 2018

OK... Why is this important?

CLOUD FOUNDRY
SUMMIT 2018
BASEL, SWITZERLAND
OCTOBER 10-11



CLOUD FOUNDRY
SUMMIT 2018



CLOUD FOUNDRY SUMMIT 2018

So what is in the ecosystem?

CLOUD FOUNDRY
SUMMIT 2018
BASEL, SWITZERLAND
OCTOBER 10-11

Pivotal

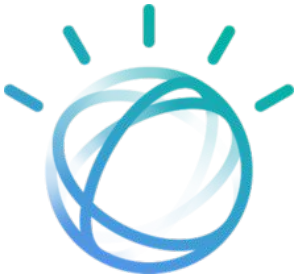
Over **200** services offered by these providers.

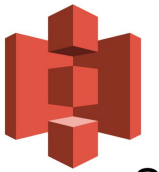
IBM **Cloud**

CLOUD
FOUNDRY
SUMMIT 2018

Cloud Spanner

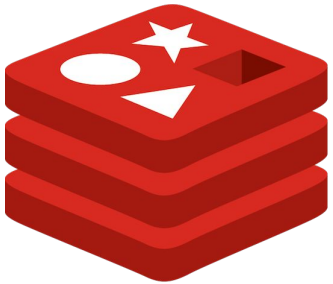
PostgreSQL





Amazon S3

NETFLIX | OSS



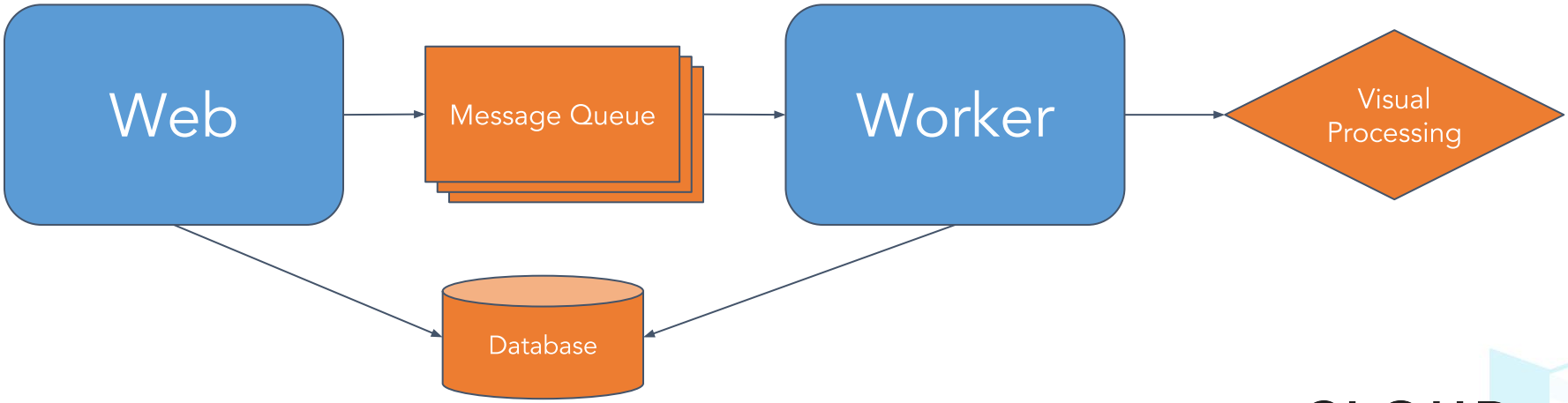
SAP HANA

CLOUD FOUNDRY
SUMMIT 2018

How easy is it to mix and match services from providers?

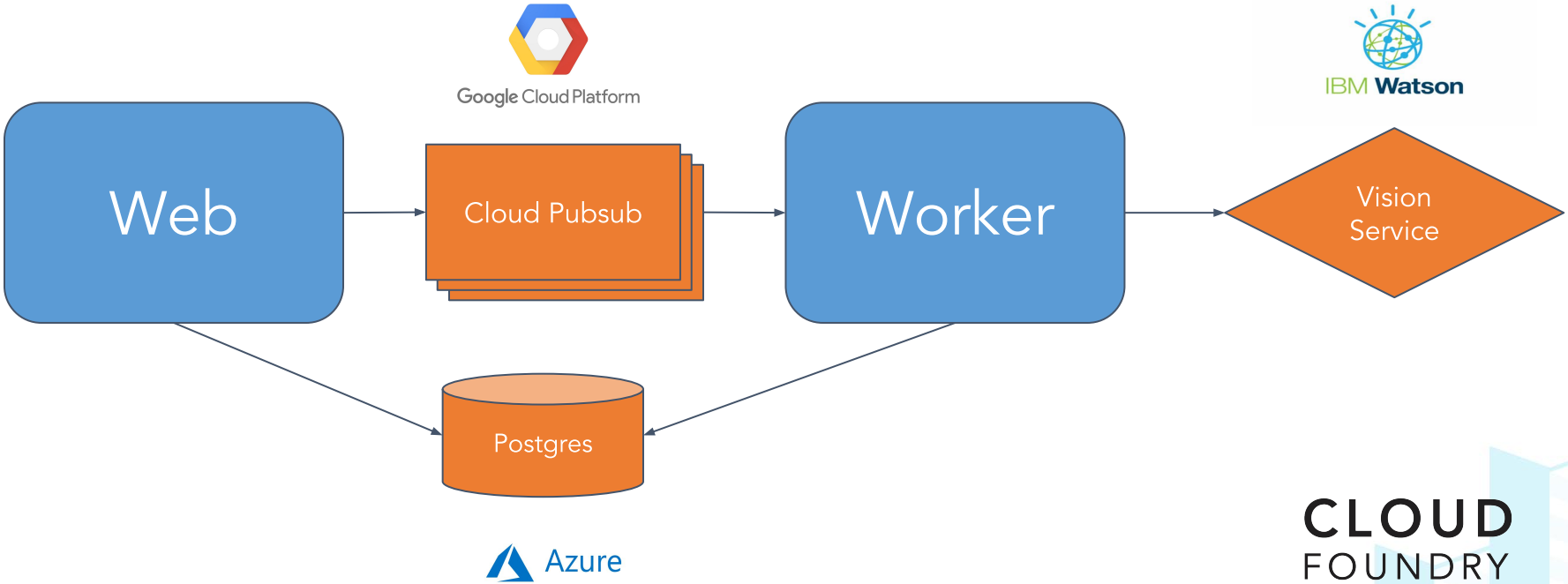
Our App

Our App



CLOUD FOUNDRY
SUMMIT 2018

Our App backed by Cloud Services



CLOUD FOUNDRY SUMMIT 2018

CF Demo

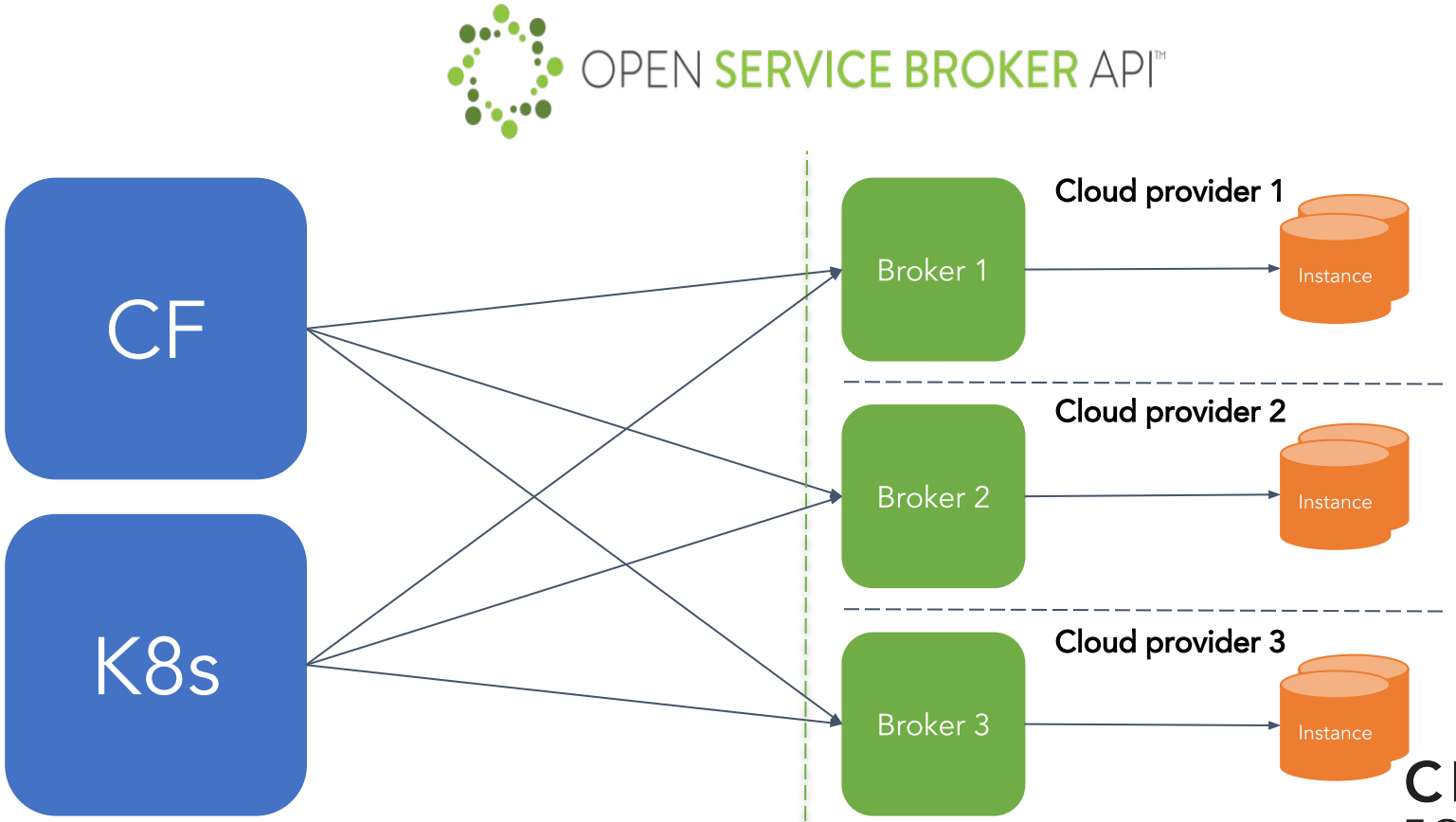
….an ecosystem of platforms?

CLOUD FOUNDRY

SUMMIT 2018

BASEL, SWITZERLAND

OCTOBER 10-11



CLOUD FOUNDRY SUMMIT 2018

K8s Demo

Learnings

Learnings

- Huge variety of services
- Similar services experience between platforms
- Proxy brokers required
- It worked - but it is just the beginning
- Sharing service instance across platform?

CLOUD FOUNDRY
SUMMIT 2018

Questions?

Code:

- https://github.com/samze/services-demo-basel-2018

Proxies:

- https://github.com/cloudfoundry-incubator/gcp-broker-proxy
- https://github.com/georgi-lozev/cf-broker-proxy

Reference: Cloud provider marketplaces

- https://osba.sh
- https://network.pivotal.io/
- https://cloud.google.com/kubernetes-engine/docs/how-to/add-on/service-broker-overview
- https://www.ibm.com/cloud/products
- https://cloudplatform.sap.com/capabilities.html

CLOUD FOUNDRY SUMMIT 2018

CLOUD FOUNDRY

SUMMIT 2018

BASEL, SWITZERLAND

OCTOBER 10-11