

SESSION FIVE

Service Brokers

Pivotal Cloud Foundry Service Designs

Principles

- Store Configs in the Environment
- Backing Services are Attached Resources
- User-Provided Services
 - App2App Binding
 - Developer Enablement

Marketplace

- Managed
 - Service Instance Lifecycle
 - Service Catalogue
- Instancing
 - Reserved
 - Shared

Open Service Broker API

The Open Service Broker API project allows for a single, simple, and elegant way to deliver services to applications.

- Define and evolve the Open Service Broker API as a specification
- Conformance test suite to verify both consumer and producer behaviors
- Broad industry adoption in support of the end user community
- Fujitsu, Google, IBM, Pivotal, RedHat and SAP

Azure Service Broker

Meta Service Broker

- Node.JS
- Deployable to Cloud Foundry
- Production Ready
- First Party
 - Azure MySQL
 - Azure CosmosDB
 - Azure Redis Cache
 - Et al

Pivotal

Open Service Broker

- Golang
- Targets
 - Pivotal Cloud Foundry
 - Kubernetes (PKS)
- Active Alpha Development
- First Party
 - Azure CosmosDB
 - Et al

VCAP_SERVICES

```
{
  "VCAP_APPLICATION": {
    "application_id": "c1aea30c-f64e-4254-9549-844fae002b7f",
    "application_name": "app-usage-server",
    "application_uris": [
      "app-usage.sys.emea.reboot3times.org"
    ],
    "application_version": "8130de90-e9da-4120-bc4c-88d711b07567",
    "cf_api": "https://api.sys.emea.reboot3times.org",
    "limits": {
      "disk": 1024,
      "fds": 16384,
      "mem": 1024
    },
    "name": "app-usage-server",
    "space_id": "7715cadf-b9db-409d-a0b7-b3b9af2d6309",
    "space_name": "system",
    "uris": [
      "app-usage.sys.emea.reboot3times.org"
    ],
    "users": null,
    "version": "8130de90-e9da-4120-bc4c-88d711b07567"
  }
}
```