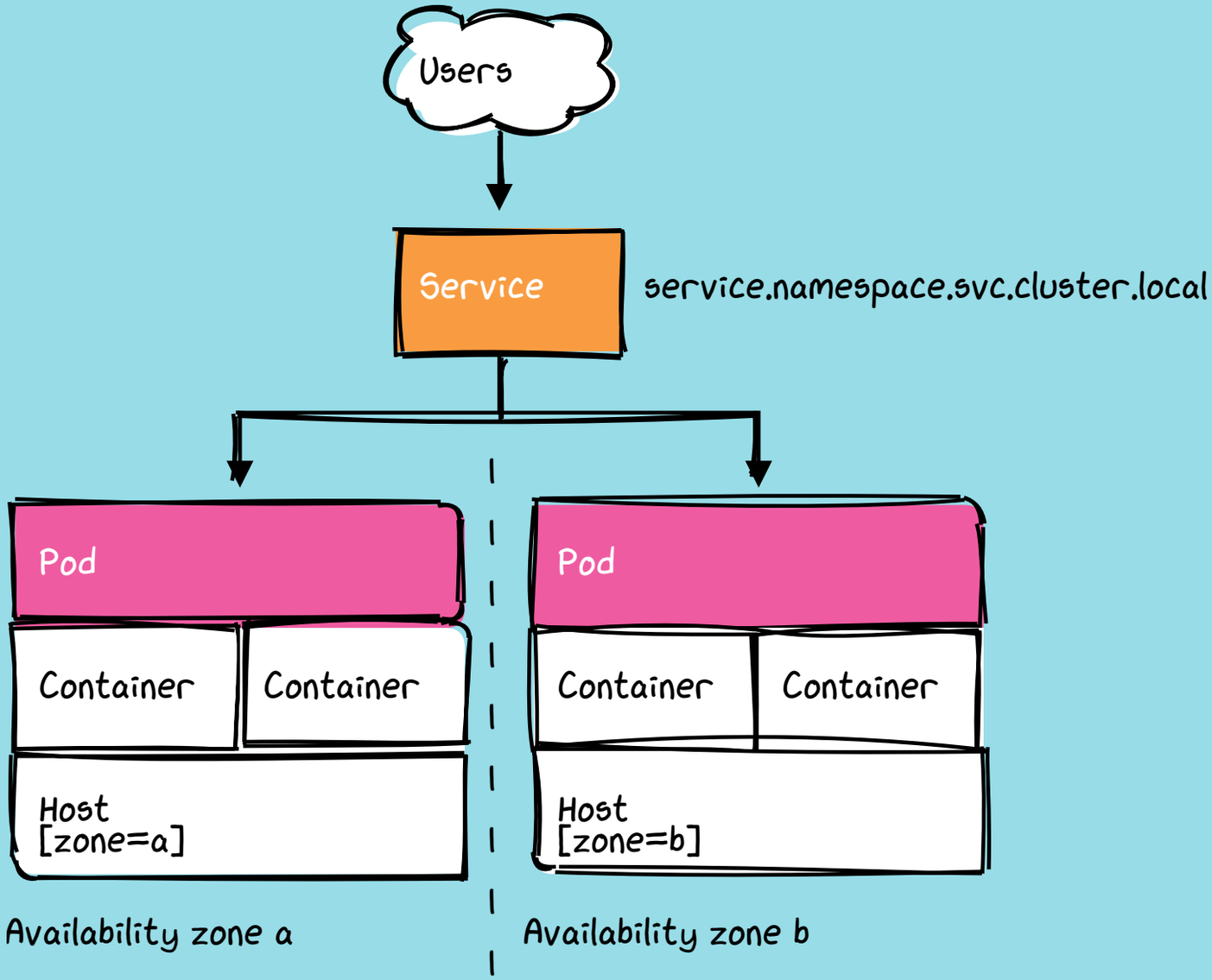
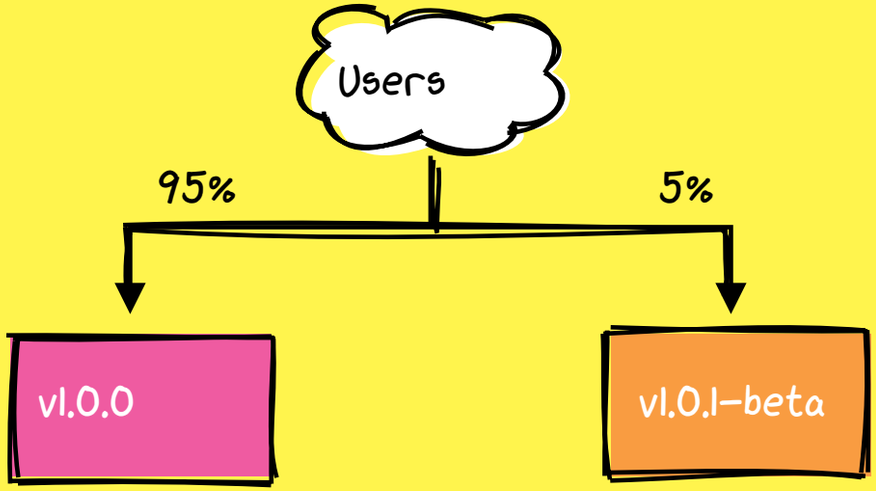
KUBERNETES PAST AND FUTURE

WHAT DOES KUBERNETES DO?

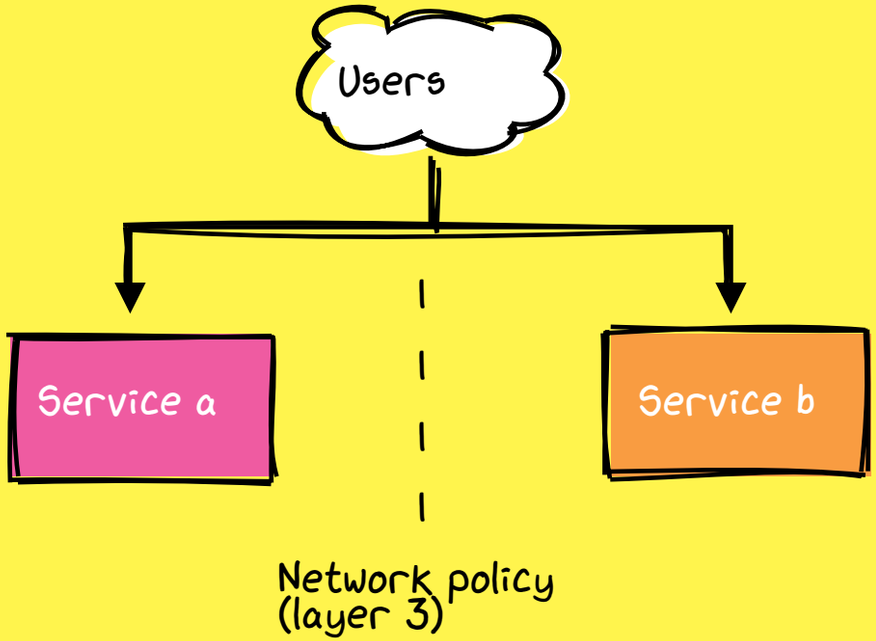
DISTRIBUTED DEPLOYMENT



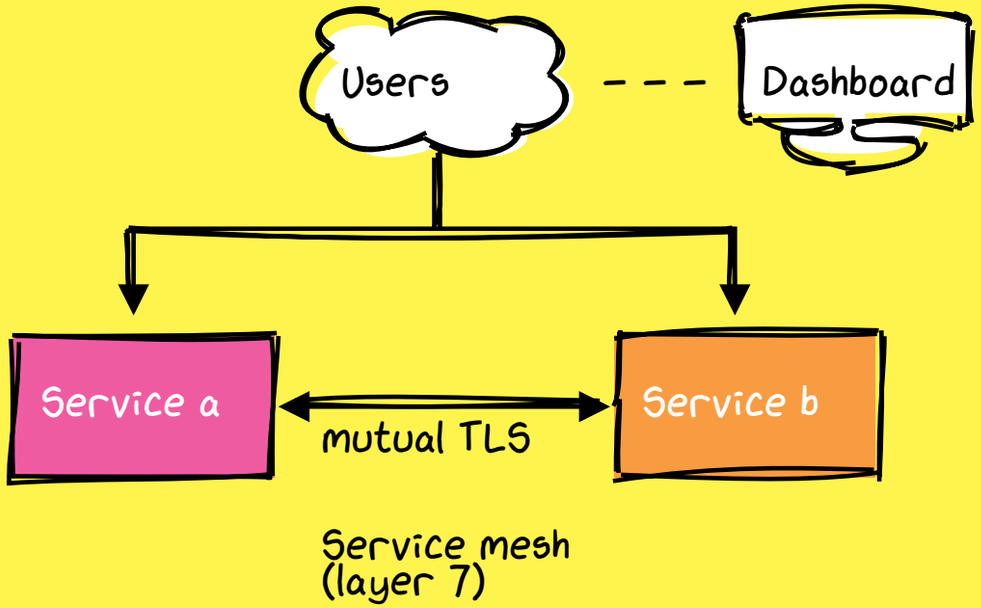
CANARY DEPLOYMENT



ISOLATED DEPLOYMENT

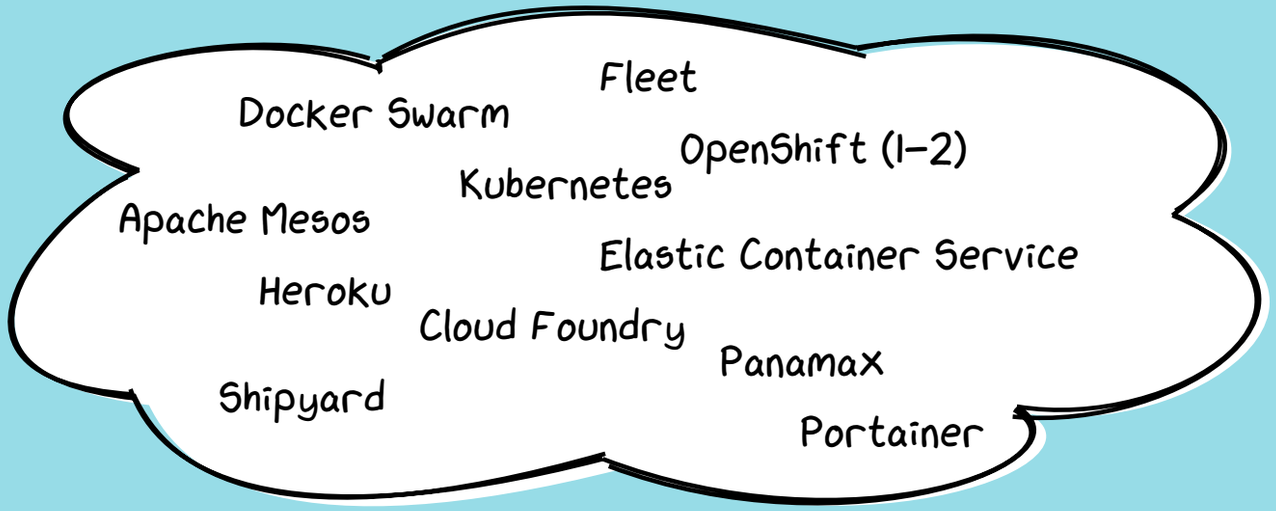


ZERO TRUST DEPLOYMENT



THE COMPETITIVE ENVIRONMENT

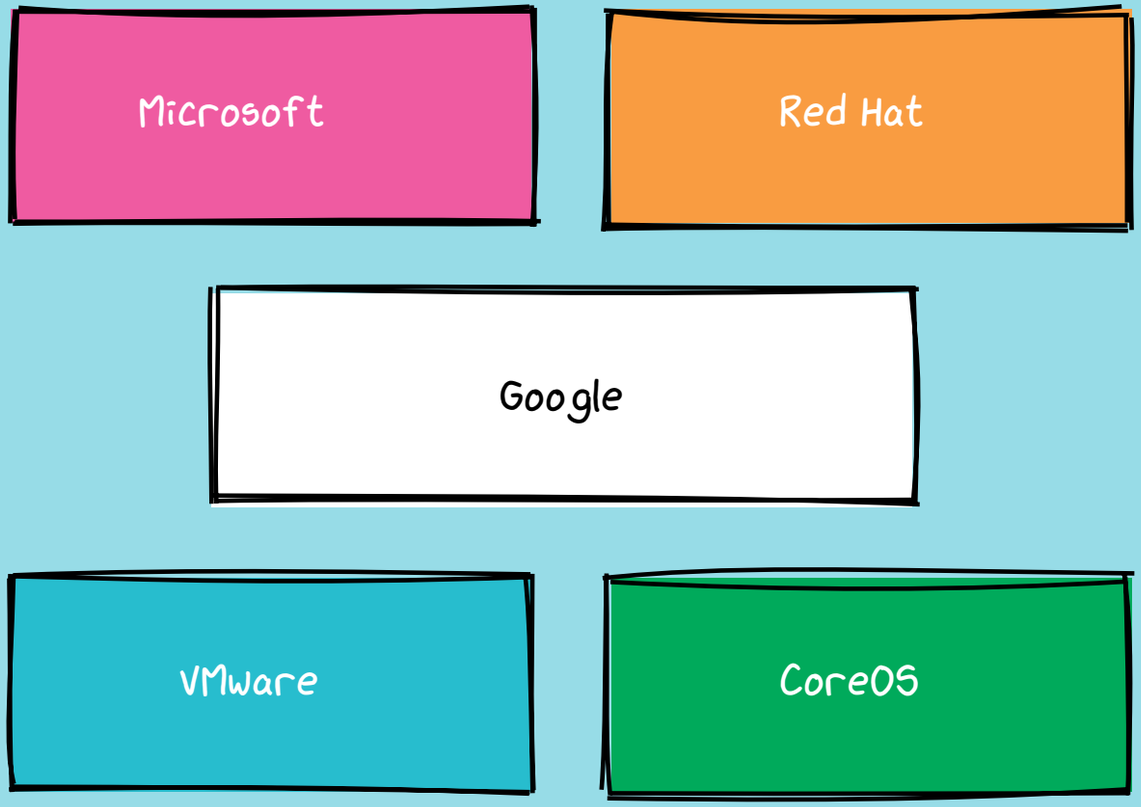
ALL HAPPY FAMILIES



SPLENDID ISOLATION

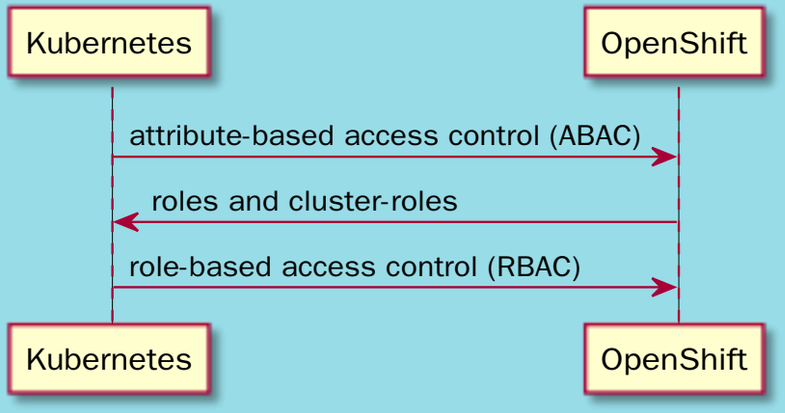
THE HORCRUX ADVANTAGE

VENDOR SHARDING

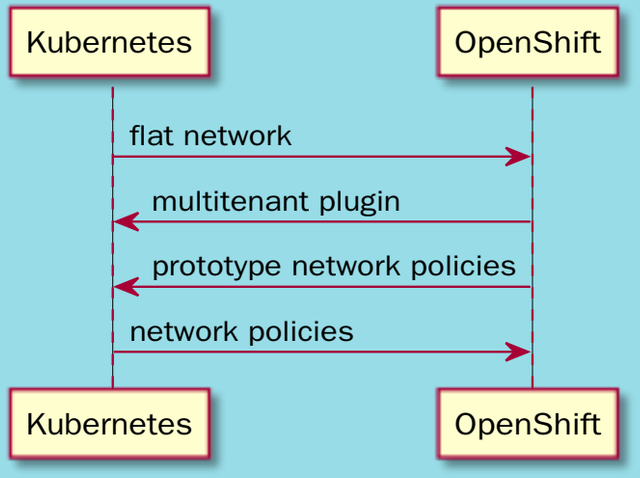


Cloud Native Computing Foundation

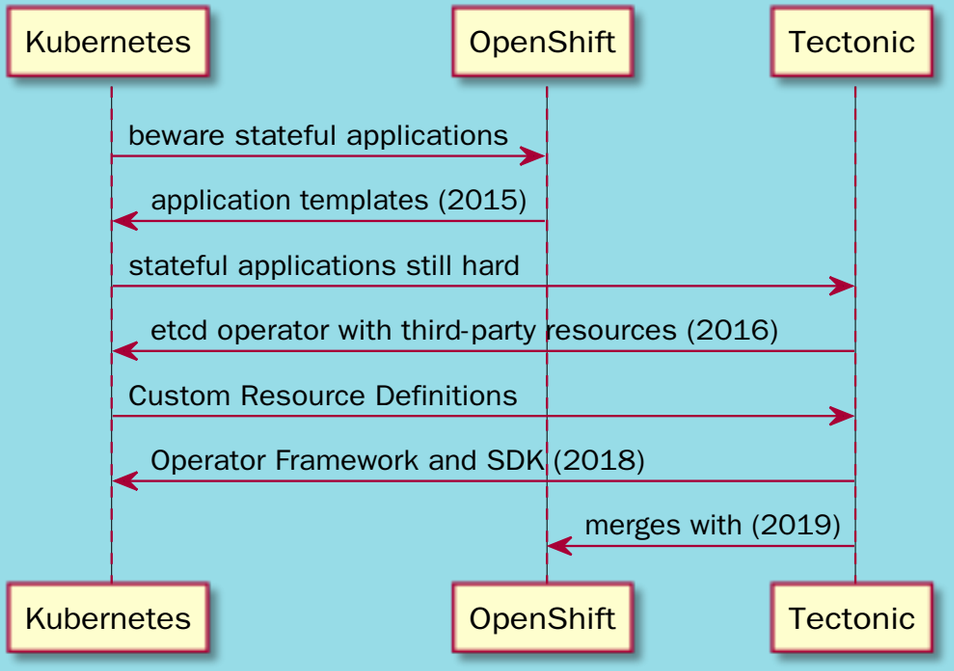
PIZZA EFFECTS: IDENTITY



PIZZA EFFECTS: NETWORKING

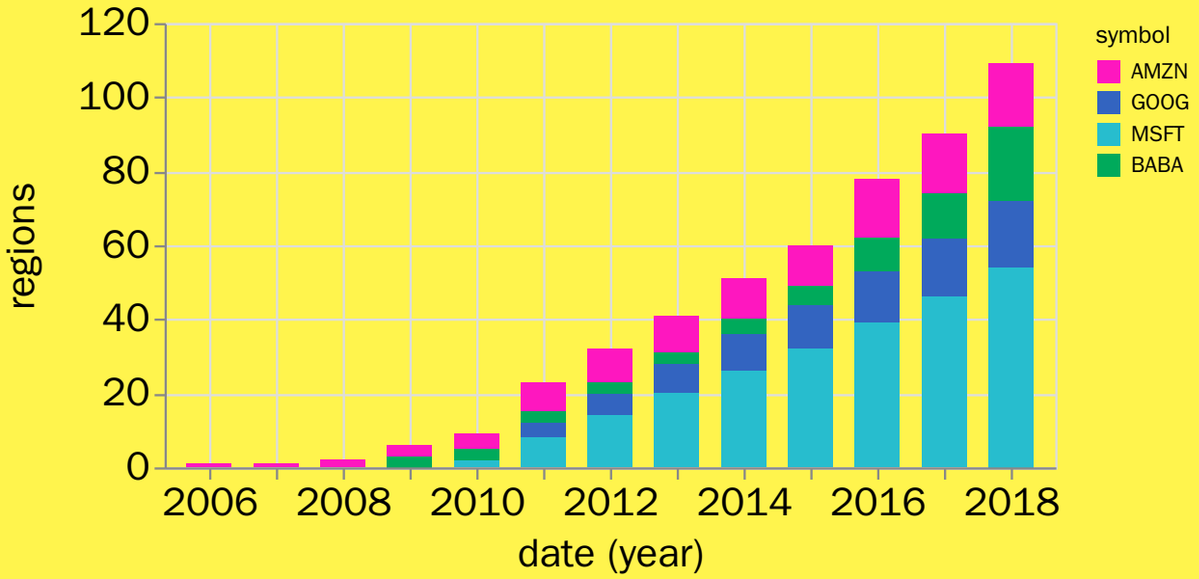


PIZZA EFFECTS: STATE

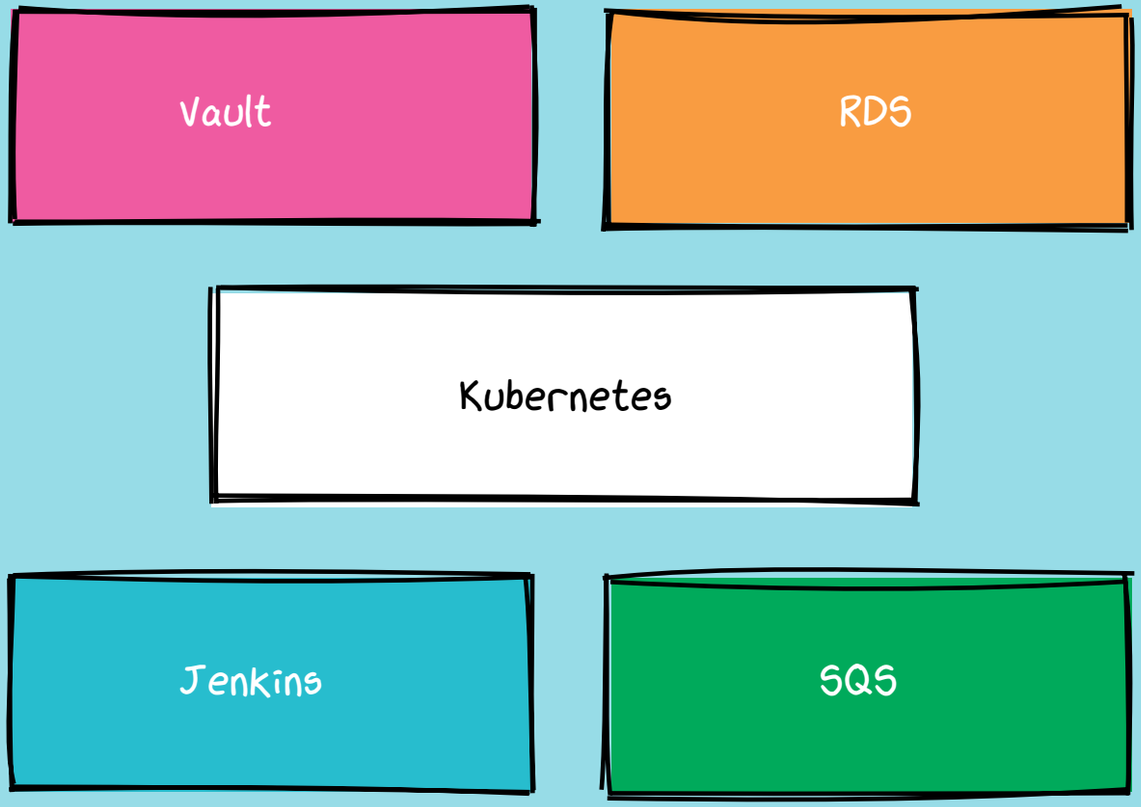


THE HORCRUX DILEMMA

COMPUTE-1 AND UP



VENDOR SPECIFICITY

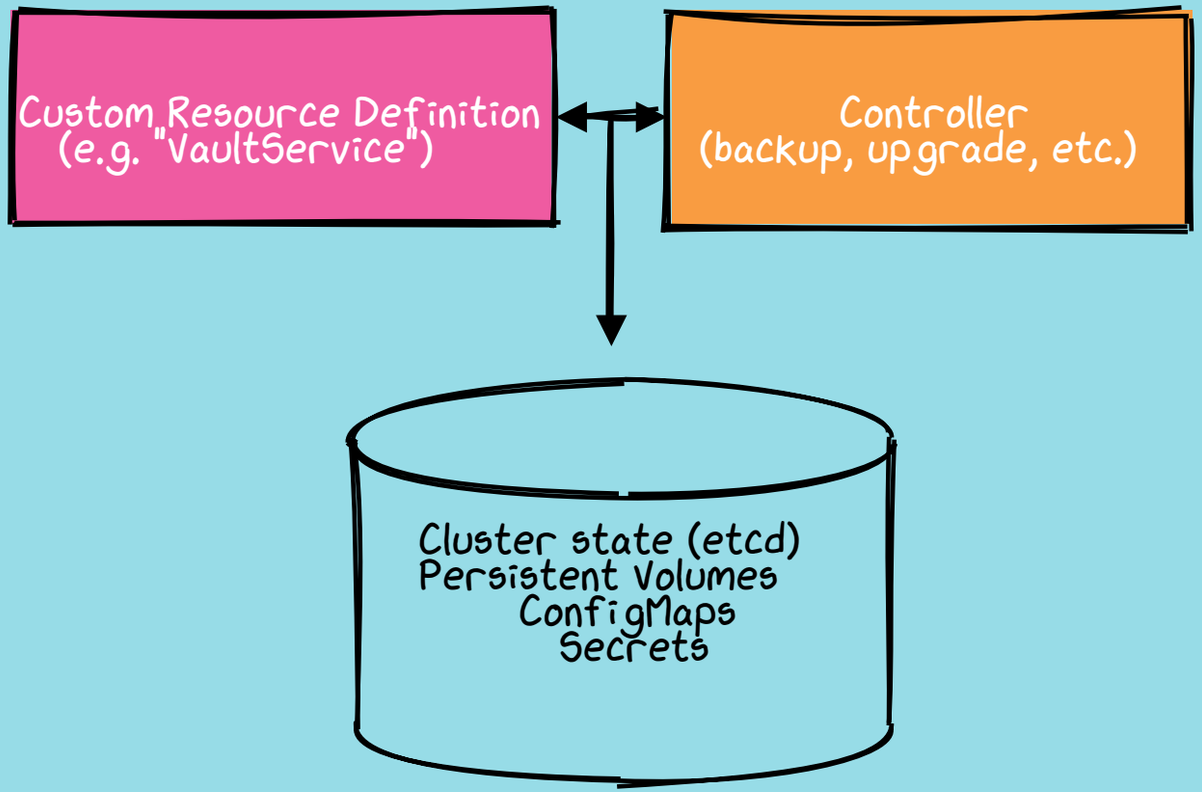


CLUSTER STATE

> Stateless is Easy, Stateful is Hard.
>
> – Brandon Philips (2016)

Source: coreos.com/blog/introducing-operators.html

OPERATORS


Custom Resource Definition
(e.g. "VaultService")
Controller
(backup, upgrade, etc.)
Cluster state (etcd)
Persistent Volumes
ConfigMaps
Secrets

SPONSORS

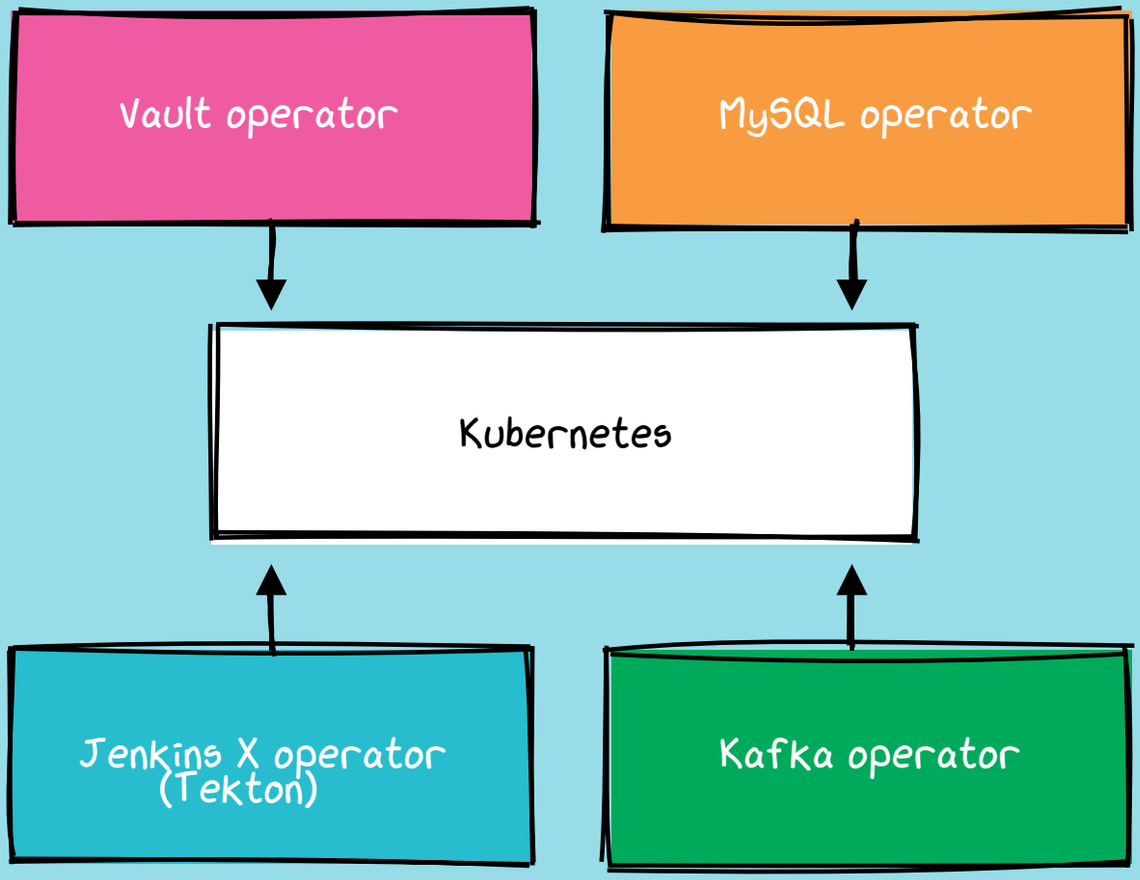
Vault operator

MySQL operator

PostgreSQL operator

etc.

VENDOR INDEPENDENCE



Any cloud offering a managed Kubernetes service

THANK YOU

Slides built with Markdeck

gerald1248/kubernetes-past-future-slides

03spirit