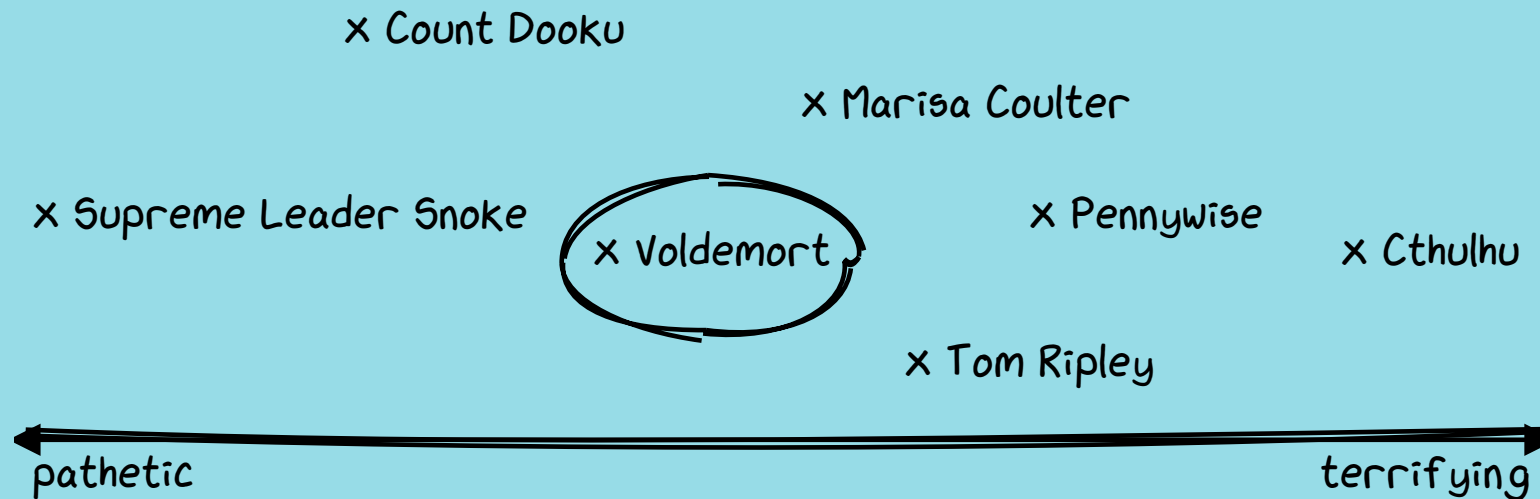


WHAT
KUBERNETES
AND
VOLDEMORT
HAVE IN COMMON

THE VILLAIN'S DILEMMA



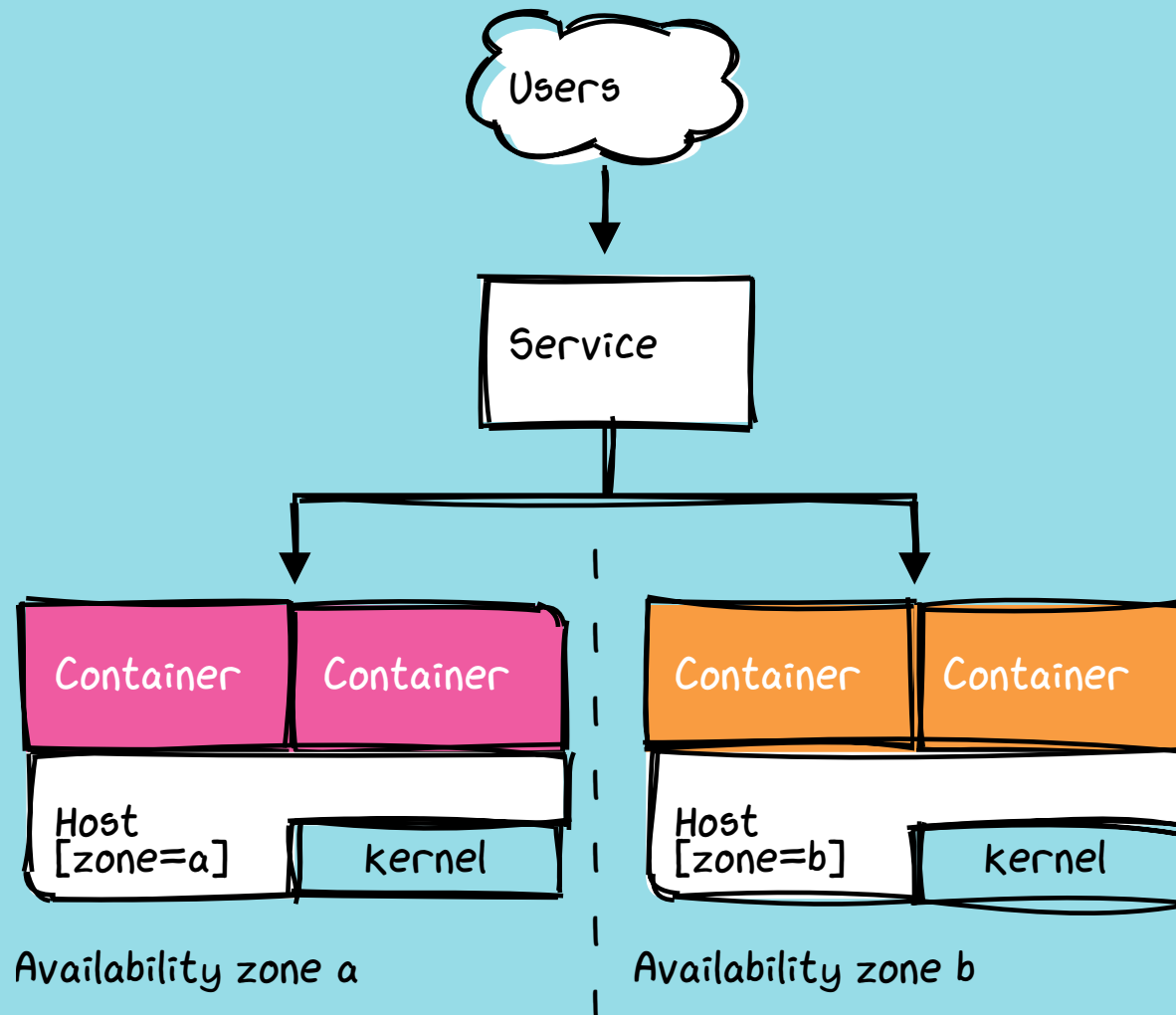
THE HORCRUX STRATEGY



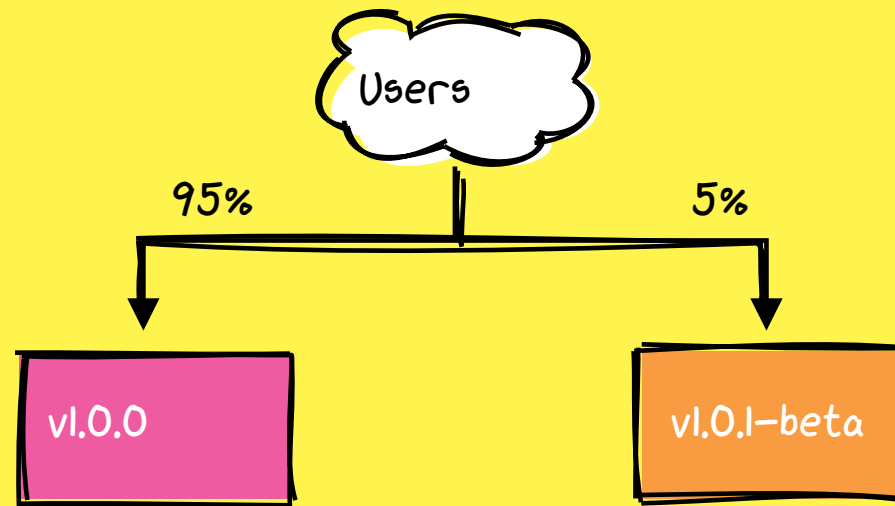
Source: [Pixabay](#) (Public Domain)

ORCHESTRATION “WARS”

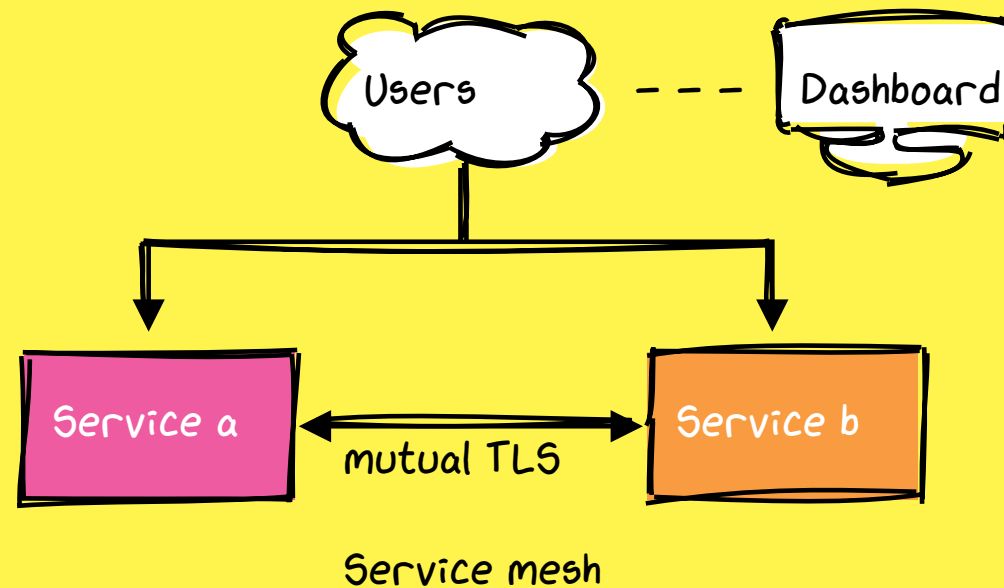
DISTRIBUTED DEPLOYMENT



CANARY DEPLOYMENT

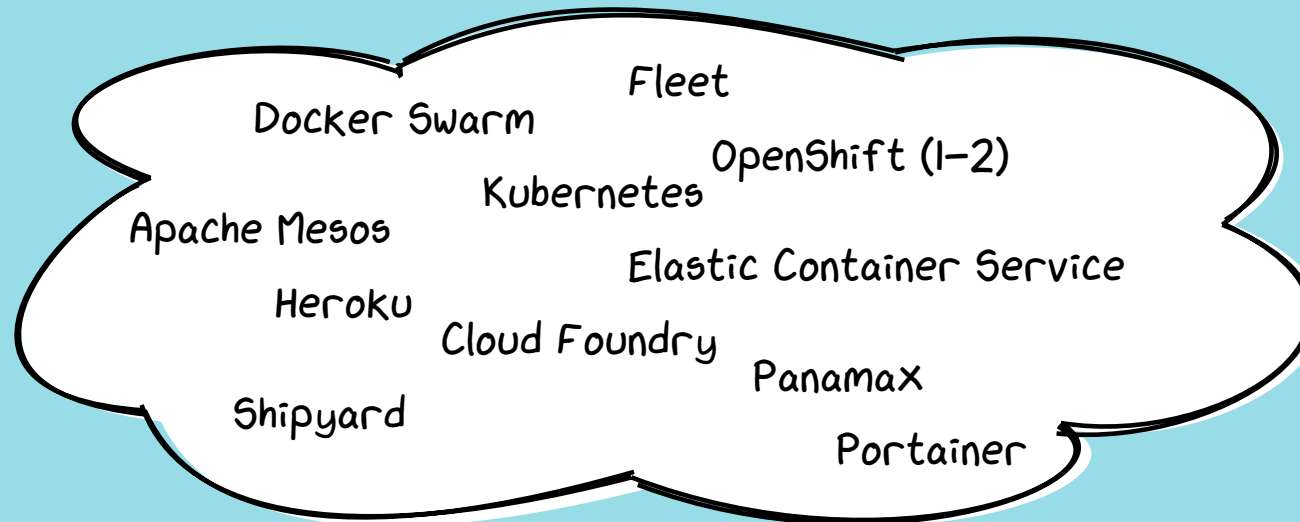


ZERO TRUST DEPLOYMENT



THE COMPETITIVE ENVIRONMENT

ALL HAPPY FAMILIES



SPLENDID ISOLATION



Kubernetes

THE HORCRUX STRATEGY

VENDOR SHARDING

Microsoft

IBM
Red Hat
CoreOS

Google

VMware

Alibaba

Cloud Native Computing Foundation (CNCF)

PRECONDITIONS

open source

neutral IP framework

extensibility

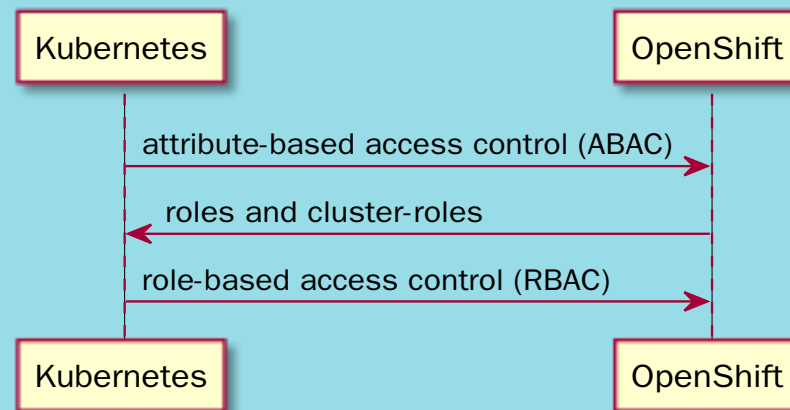
PRECONDITIONS

open source – MIT

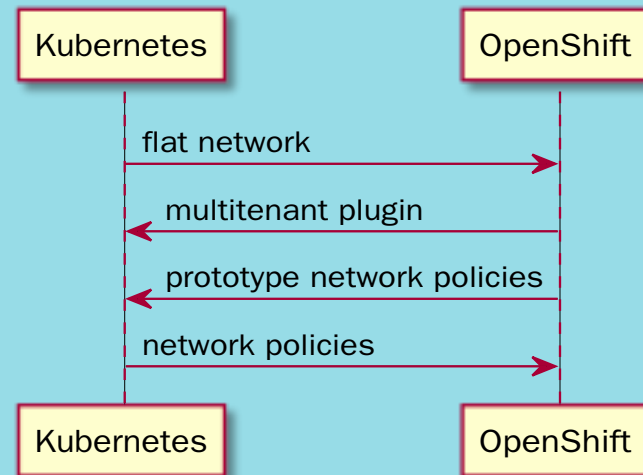
neutral IP framework – CNCF

extensibility – operator framework

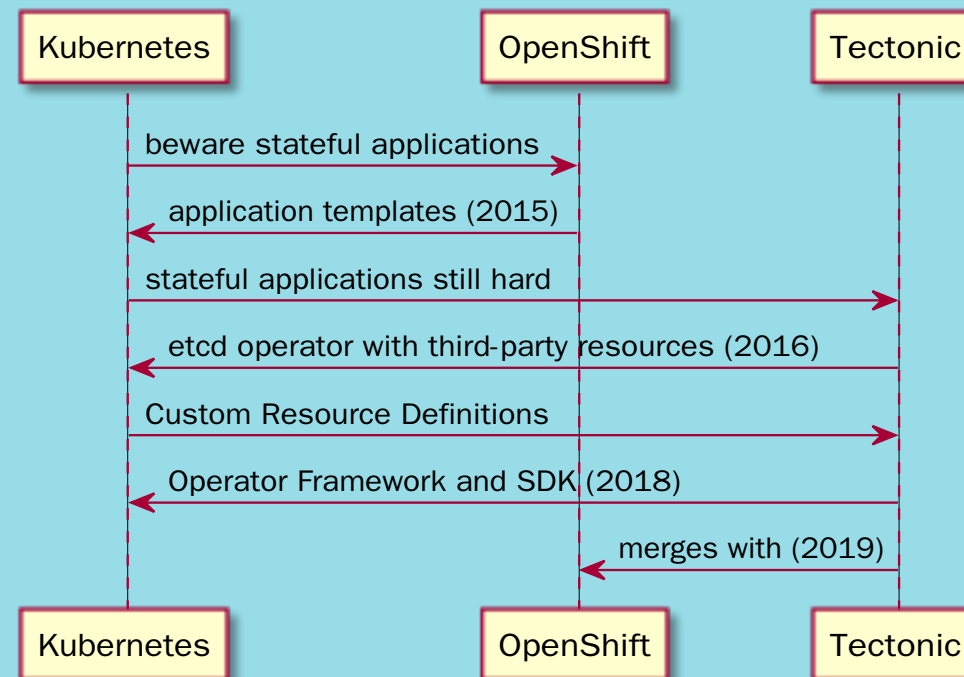
PIZZA EFFECTS: IDENTITY



PIZZA EFFECTS: NETWORKING

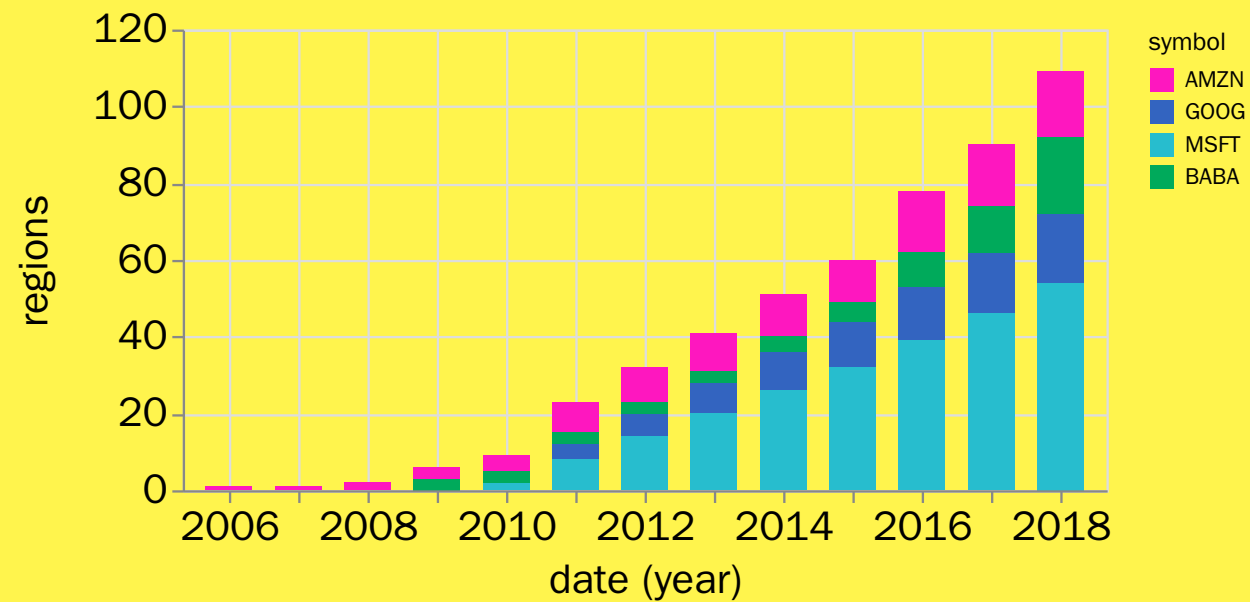


PIZZA EFFECTS: STATE

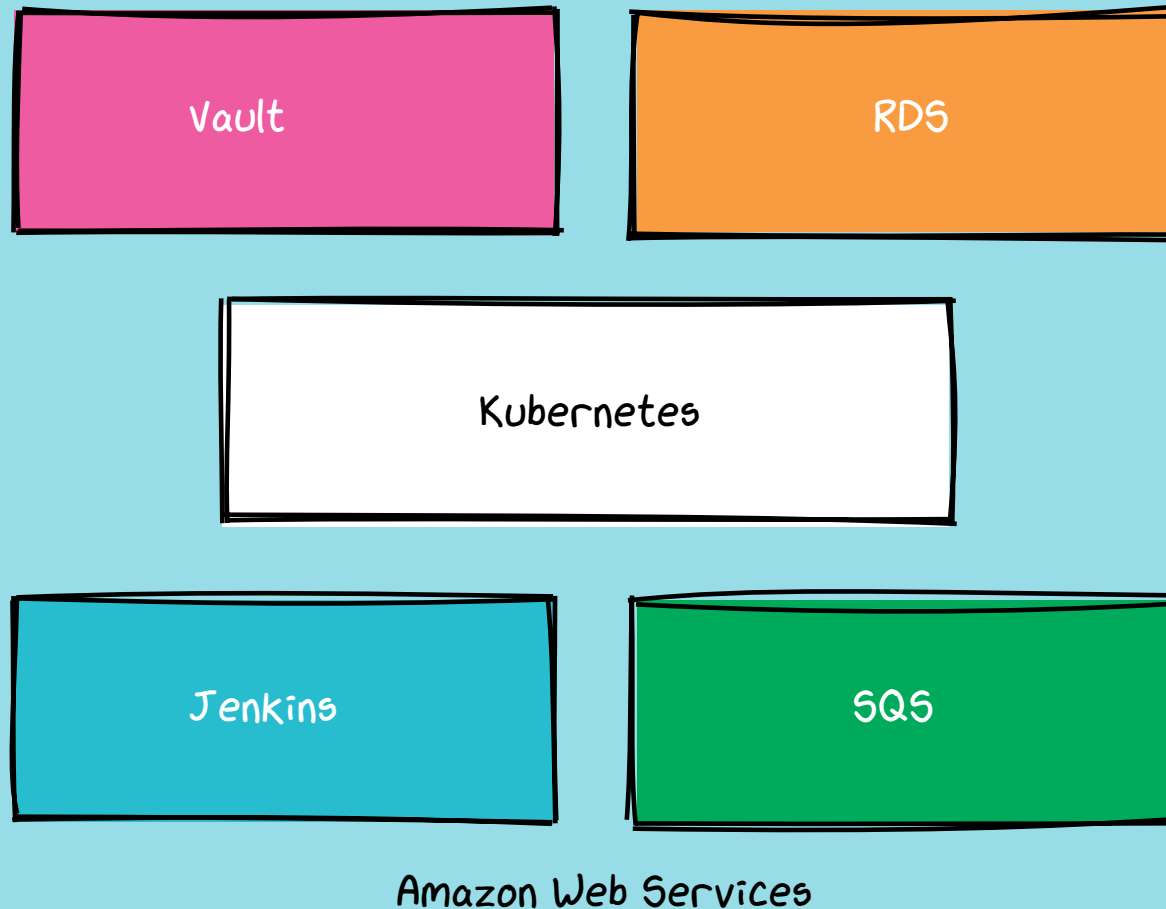


DEMAND

COMPUTE-1 AND UP



VENDOR SPECIFICITY



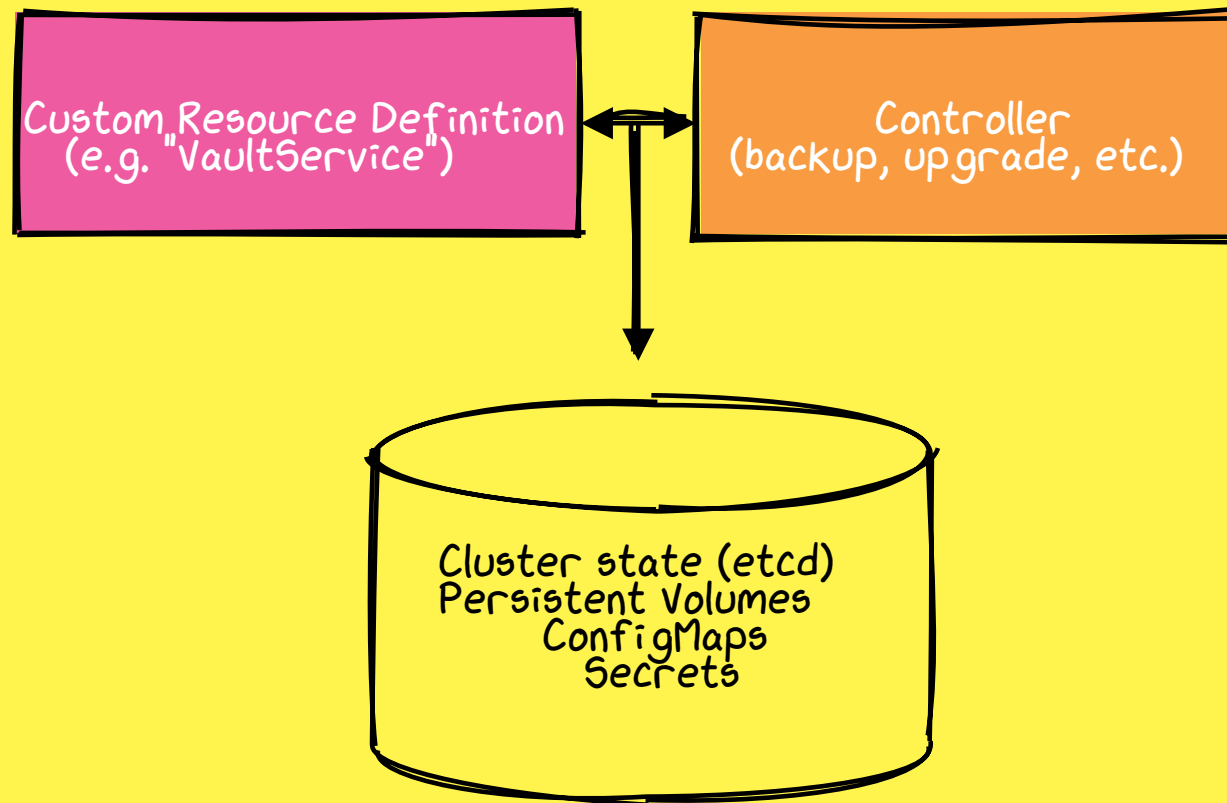
CLUSTER STATE

Stateless is Easy, Stateful is Hard.

– Brandon Philips (2016)

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

OPERATORS



CORPORATE SUPPORT

Vault operator



MySQL operator

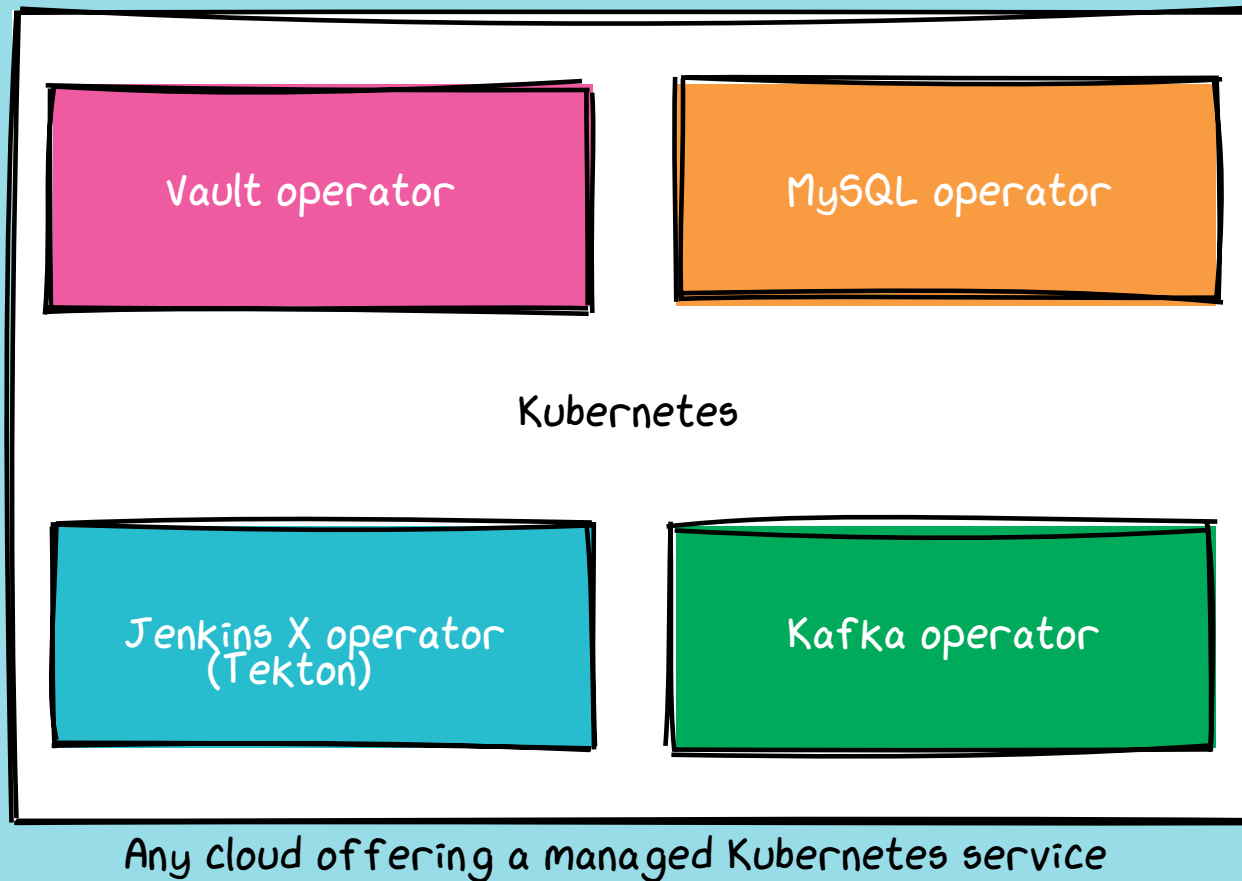


PostgreSQL operator



etc.

VENDOR INDEPENDENCE



TRADE WAR

SPLITTING THE SOUL OF OPEN SOURCE

THANK YOU

Slides built with Markdeck

- ▯ [gerald1248/kubernetes-horcrux-slides](#)
- ▯ 03spirit