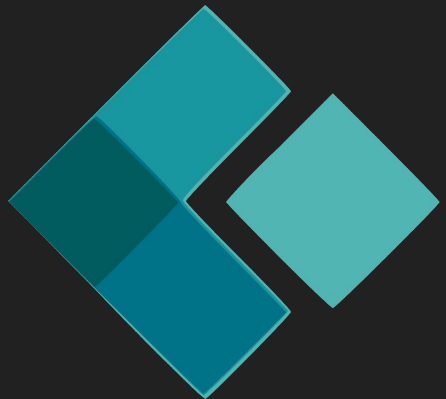# Introducing ...

koris

a simple kubernetes installer for openstack

Oz Tiram @noris network
github.com/oz123

Problem Statement

- I want to install a kubernetes cluster

   I could use kops, magnum, ansible-kubespray

Problem Statement

- I want the installation to be quick

  can't use ansible kubespray - painfully slow

Problem Statement

- I want the installation to be simple

  use kops!

  no openstack support in 2018, still beta in Dec. 2019

Problem Statement

- I want the installation to be quick

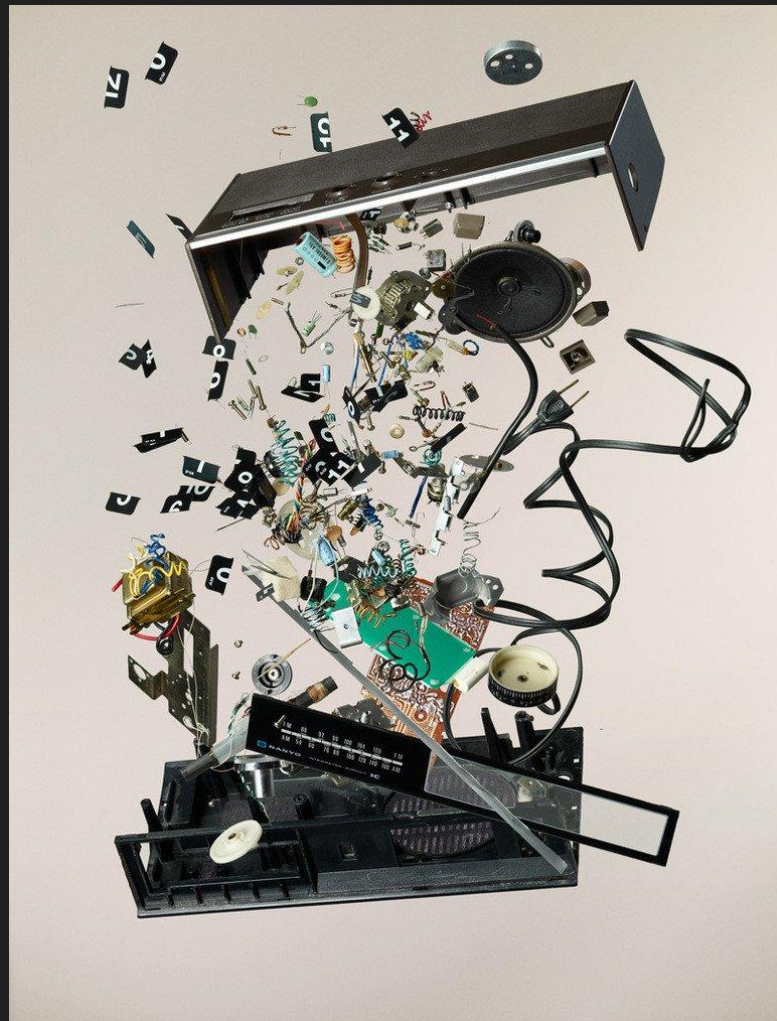 can't use ansible kubespray - painfully slow

Problem Statement

- I want it to work with OpenStack

  use magnum!

Help! K8S ...

photo credit:
https://www.toddmclellan.com/
thingscomeapar#

Help! K8S ...

- has many parts …
- needs infrastructure to run on

kubernetes the hard way
…

The best way to learn
how kubernetes works.

gh.com/kelseyhightower/
kubernetes-the-hard-way

To the rescue …

Why Python and not golang ?

- Limited knowledge in company around go
- No good client for OpenStack
- Hard to quickly prototype
- Python isn't perfect either
- Binary distributions ...

cloud-init

- Isn't yaml
- Is darn weird
- Will force you to learn bash

kubeadm

- is fun
- is crappy
- has too many flags
- has awesome docs
- has shitty docs
- you will be forced to learn go!
- helps forgetting bash!

© Glenn Bartolotti 2013

koris is born ...

- is quick ✔️
- creates its own infrastructure ✔️
- works with openstack ✔️
- is simple to understand ✔️
- can create HA clusters ✔️
- is a certified k8s distribution
- is open source

$ demo time …

https://github.com/noris-network/koris