



Nils De Moor - @ndemoor

Hi! I'm **Nils De Moor**,  
CTO & cofounder  
at **WooRank**.  
This is our dream team.



That's me!

4 yrs old  
8 nations  
20 peeps  
27 avg age

**50k visitors/day**

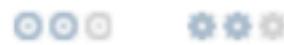
**800k reports/month**

**120 criteria/report**

## Technologies

	jQuery	JavaScript framework
	Knockout.js	JavaScript framework
	Modernizr	JavaScript framework
	Nginx	Web server
	Outbrain	Widget
	Prototype	JavaScript framework
	script.aculo.us	JavaScript framework
	SWFObject	Miscellaneous

## Speed Tips



Watch out: your website's speed could be slightly improved.

- ✓ Perfect, your server is using a caching method to speed up page display.
- ✓ Perfect, your website doesn't use nested tables.
- ✗ Too bad, your website is using inline styles.
- ✓ Perfect, your website has few CSS files.
- ✗ Too bad, your website has too many JavaScript files (more than 7).
- ✓ Perfect, your website takes advantage of gzip.

## Analytics



 Chartbeat

 Optimizely

! In-Page Links

We found a total of 344 link(s) including 0 link(s) to files

● ● ● ● ● ●


- External Links: noFollow ( 0.7% )
- External Links: Passing Juice ( 36.8% )
- Internal Links ( 62.5% )

Anchor	Type	Juice
Image	Internal Links	Passing Juice
INTERNATIONAL	Internal Links	Passing Juice
MÉXICO	Internal Links	Passing Juice
ARABIC	Internal Links	Passing Juice
TV	Internal Links	Passing Juice
CNN	Internal Links	Passing Juice

[Show more](#)

 Twitter™ Account

The Twitter™ Account @HBO is booked and it is linked to your website.



Name HBO

Followers 751 751

Tweets 23 484

Bio It's HBO. (Tweets are US-focused.) Get HBO now: <http://t.co/Yy5dm8U2sf>

Account Age 5 years, 7 months, 17 days ago

 Facebook Page



 Likes

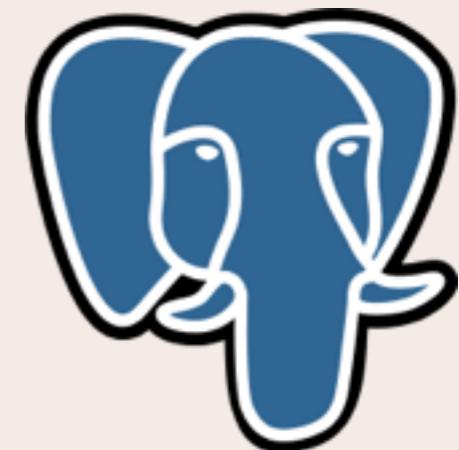
10 861 657  Talking About

64 140

URL [facebook.com/HBO](https://facebook.com/HBO)

Name HBO

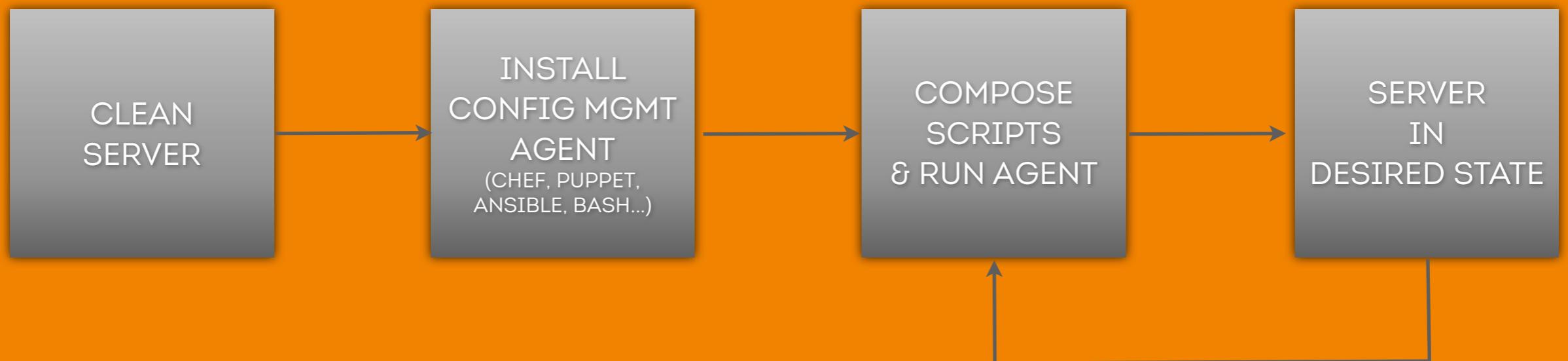
About Your official HBO page. The content of this page is US and Canada



mongoDB

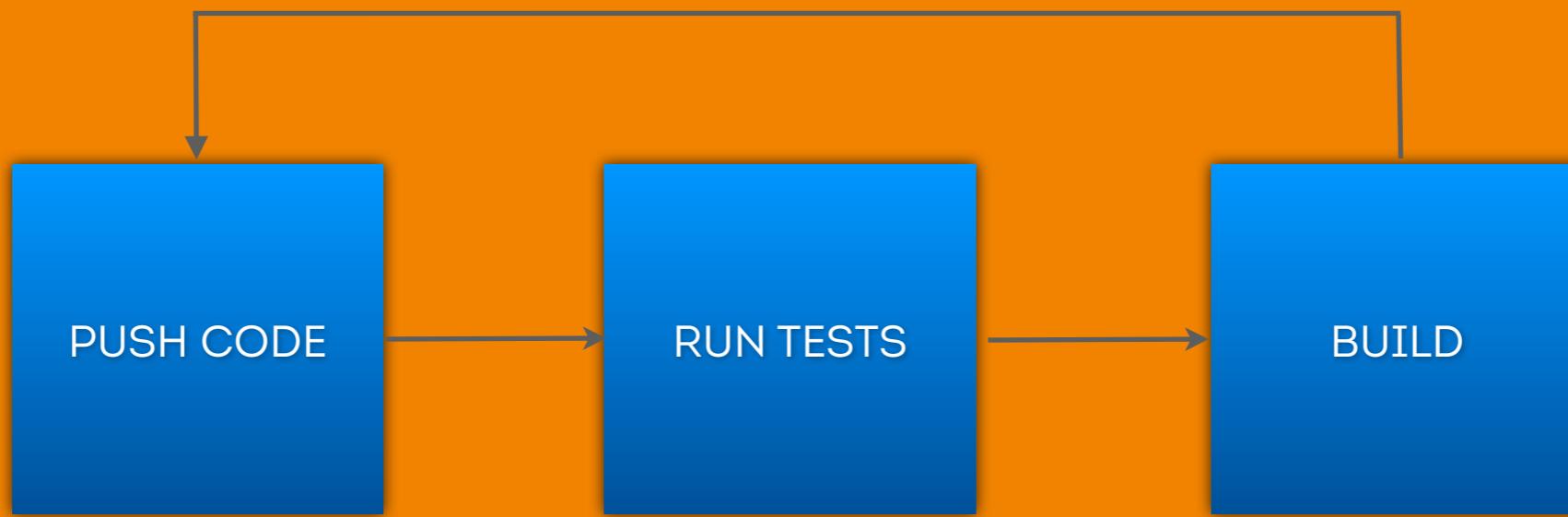
Now this is the story all about how



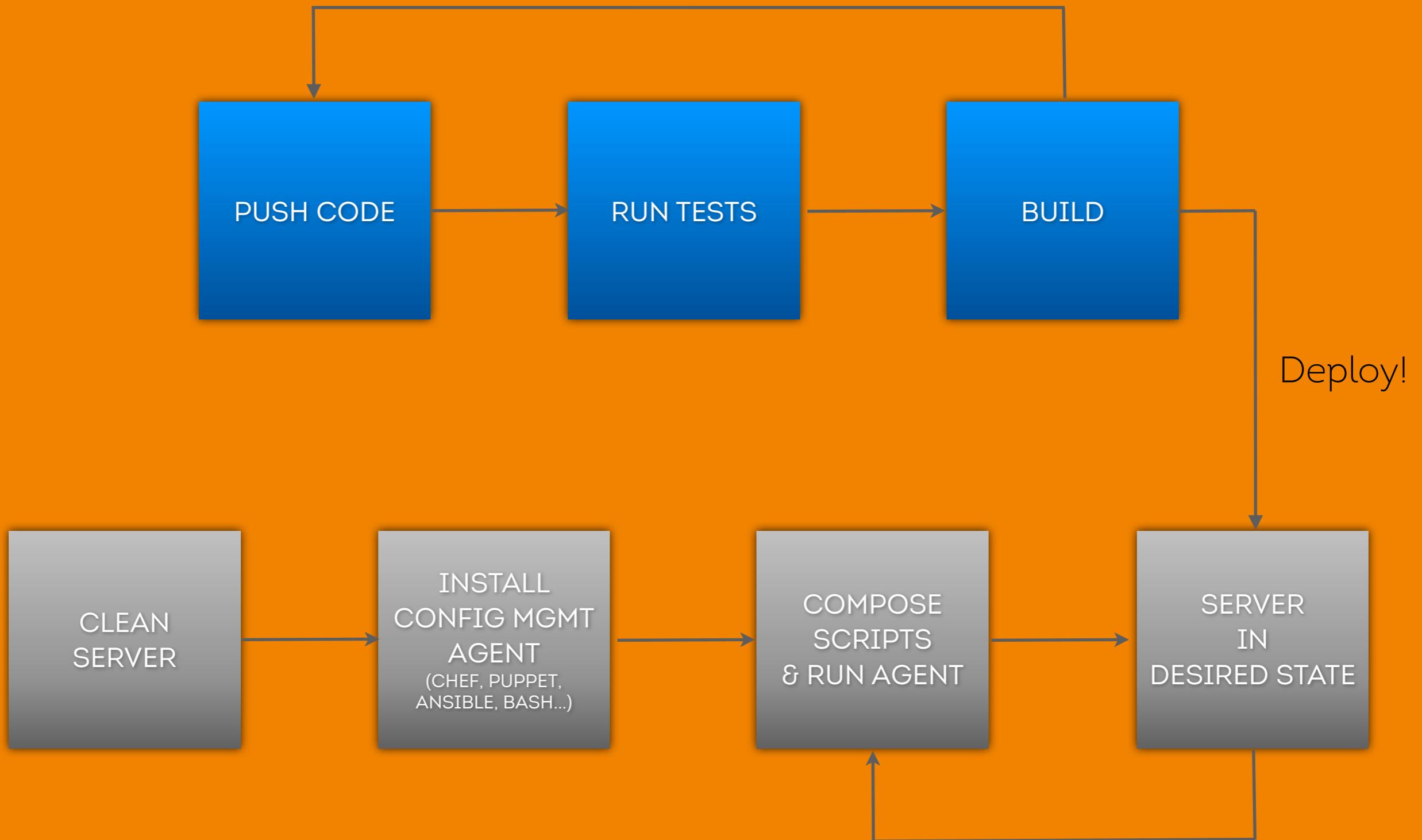


Change version  
Edit config file  
Add/remove library  
Create folder/link/  
....

Script, Configure, Run, Repeat...



Push, Test, Build, Repeat...



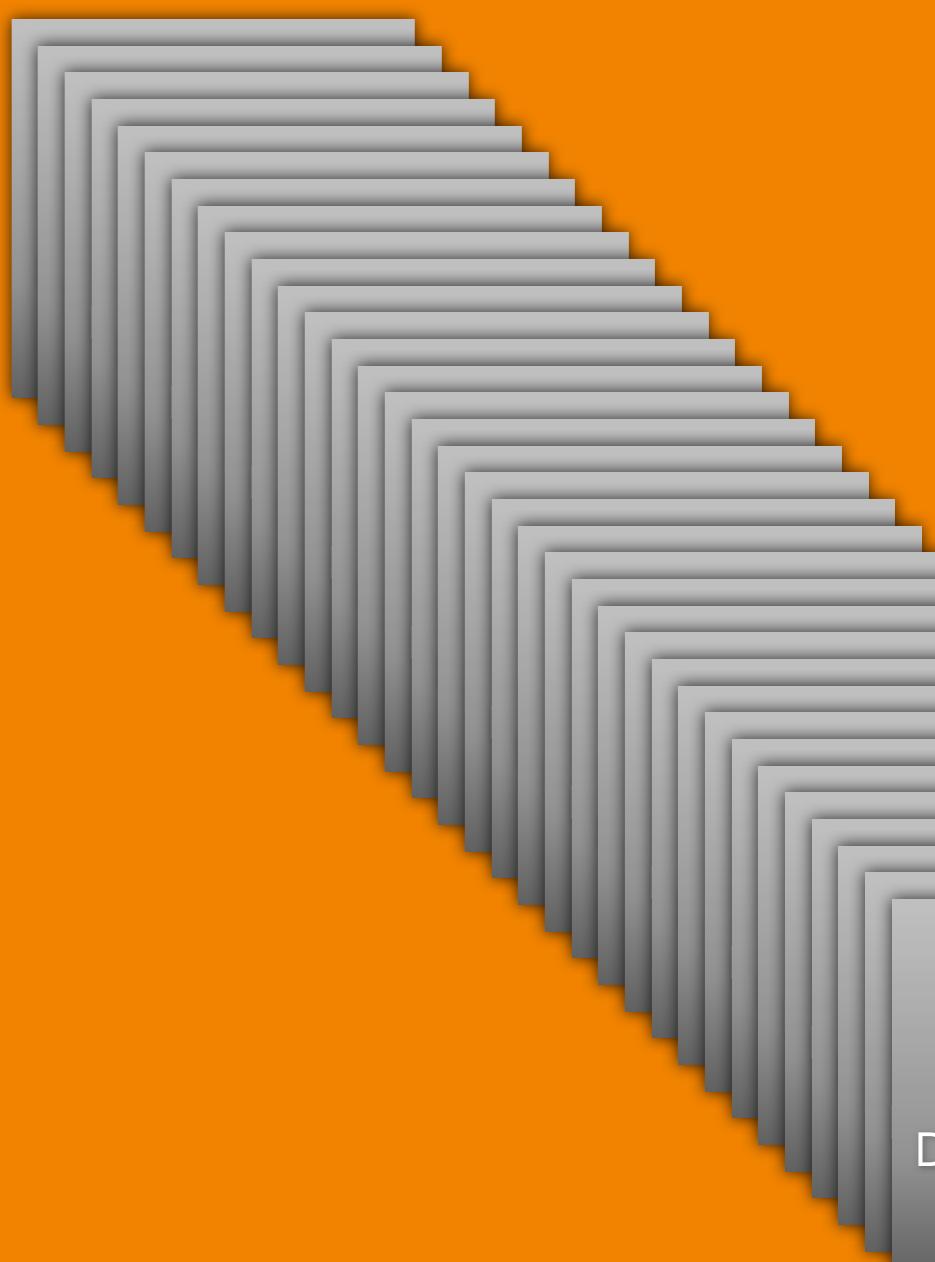
Development



Test



Production



Development



Test



Production



# Frontend



# Backend



# Database



# Crazy legacy app no one knows about

	<b>Dev</b>	<b>Test</b>	<b>Prod</b>
<b>PHP</b>	5.5	5.4	5.3
<b>Ruby</b>	2.0	1.9.3	1.9.3
<b>MySQL</b>	5.6	5.5	5.5

	<b>Dev</b>	<b>Test</b>	<b>Prod</b>
<b>PHP</b>	5.5	5.4	5.3
<b>Ruby</b>	2.0	1.9.3	1.9.3
<b>MySQL</b>	5.6	5.5	5.5
<insert new hipster language>	0.1.17-RC1	0.1	?

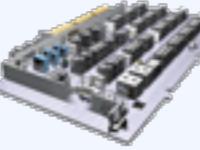


“THE RESULT IS A UNIQUE SNOWFLAKE.  
GOOD FOR A SKI RESORT,  
BAD FOR A DATA CENTER.”

MARTIN FOWLER

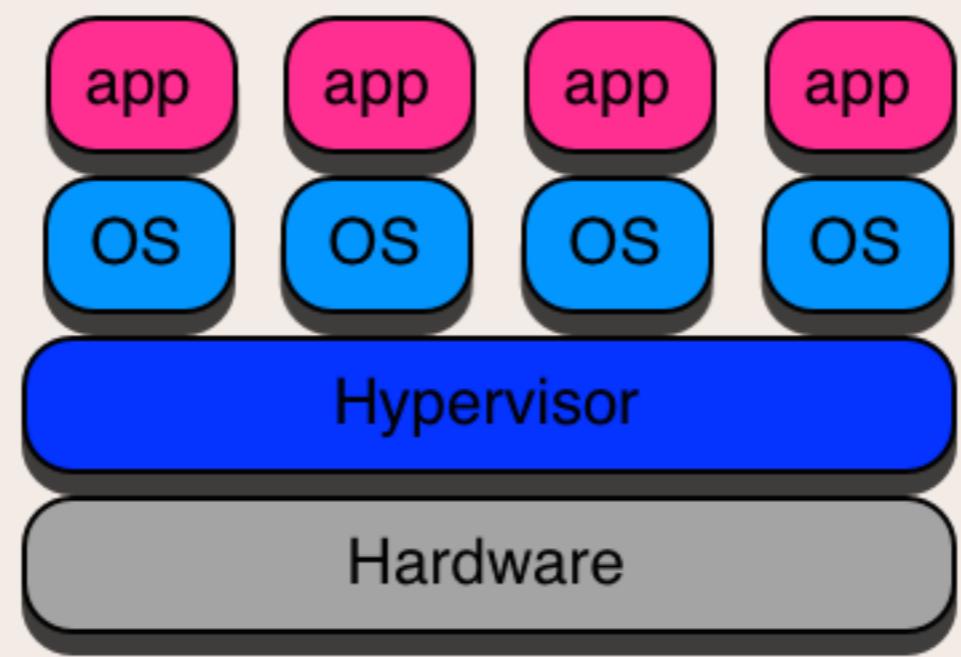
**WORKED FINE IN  
DEV**

**OPS PROBLEM NOW**

	<b>Static website</b>	?	?	?	?	?	?	?
	<b>Web frontend</b>	?	?	?	?	?	?	?
	<b>Background workers</b>	?	?	?	?	?	?	?
	<b>User DB</b>	?	?	?	?	?	?	?
	<b>Analytics DB</b>	?	?	?	?	?	?	?
	<b>Queue</b>	?	?	?	?	?	?	?
	<b>Development VM</b>	<b>QA Server</b>	<b>Single Prod Server</b>	<b>Onsite Cluster</b>	<b>Public Cloud</b>	<b>Contributor's laptop</b>	<b>Customer Servers</b>	
								

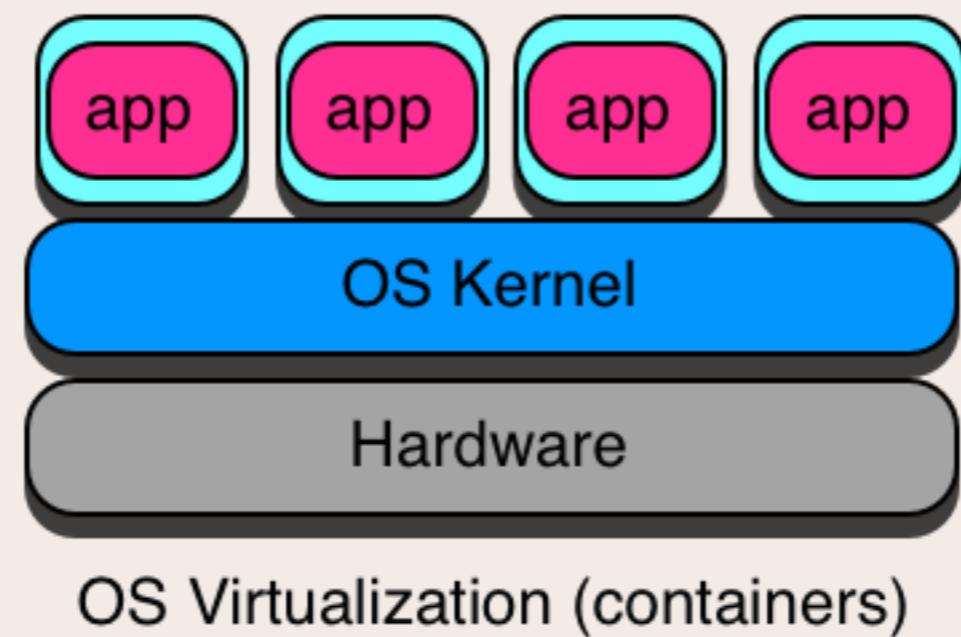
**WAIT A MINUTE**

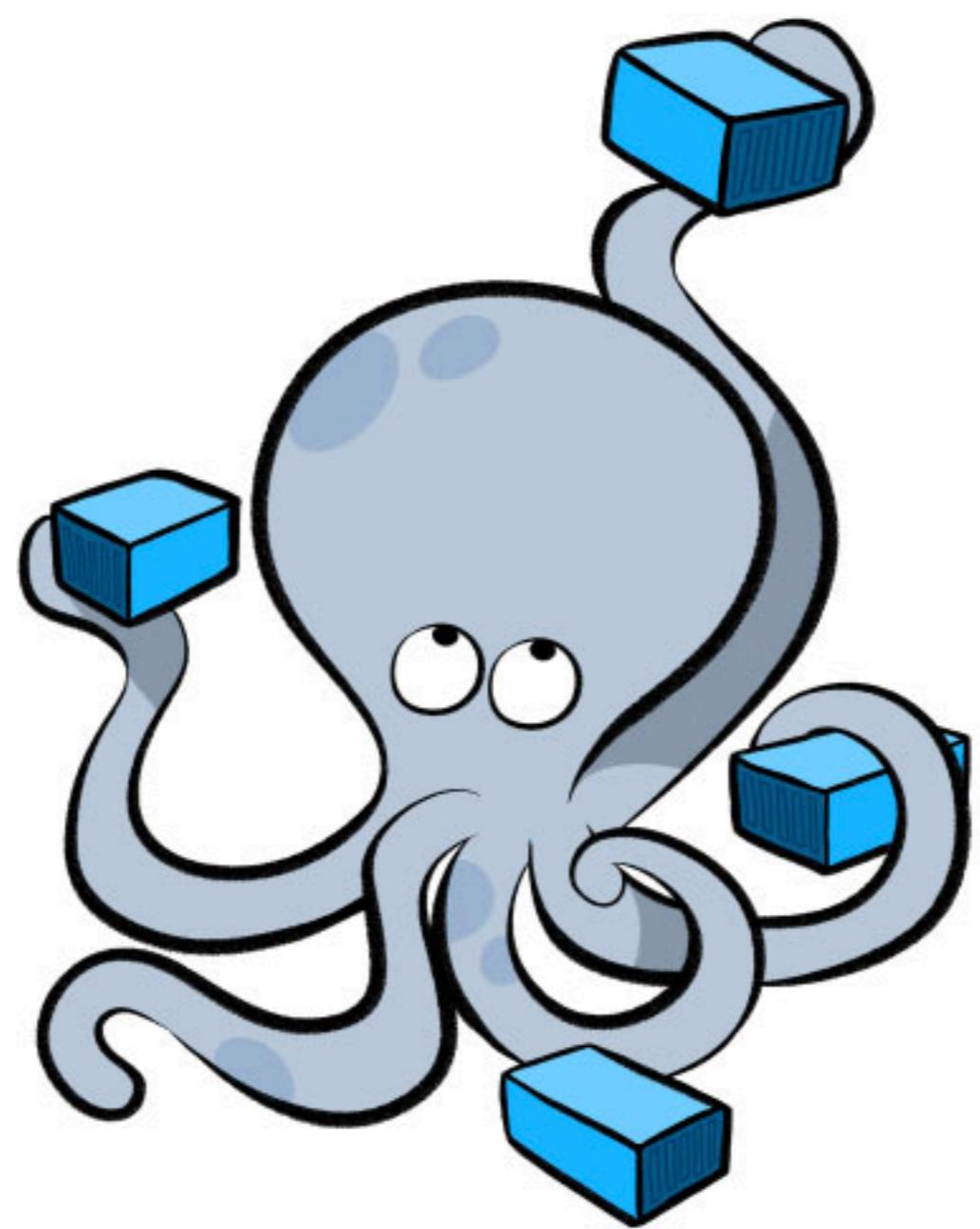


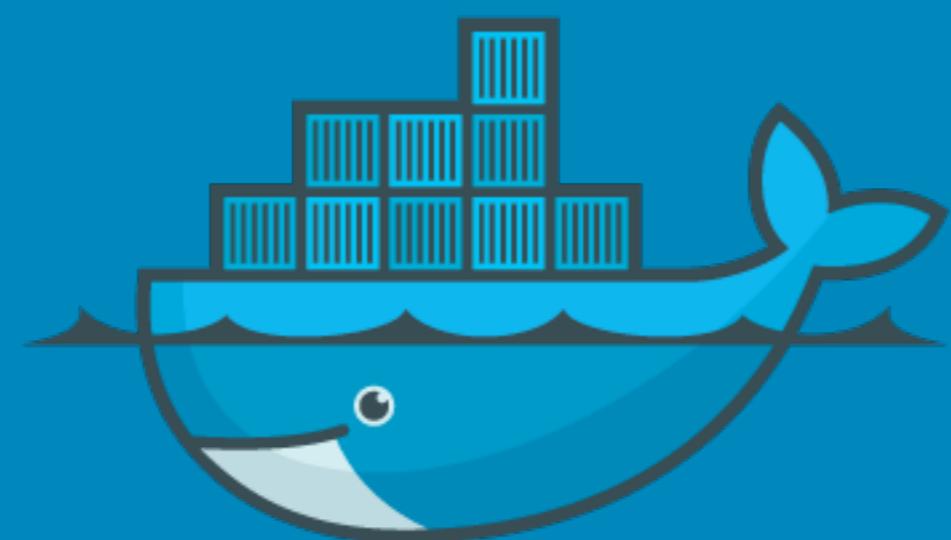


Hardware Virtualization



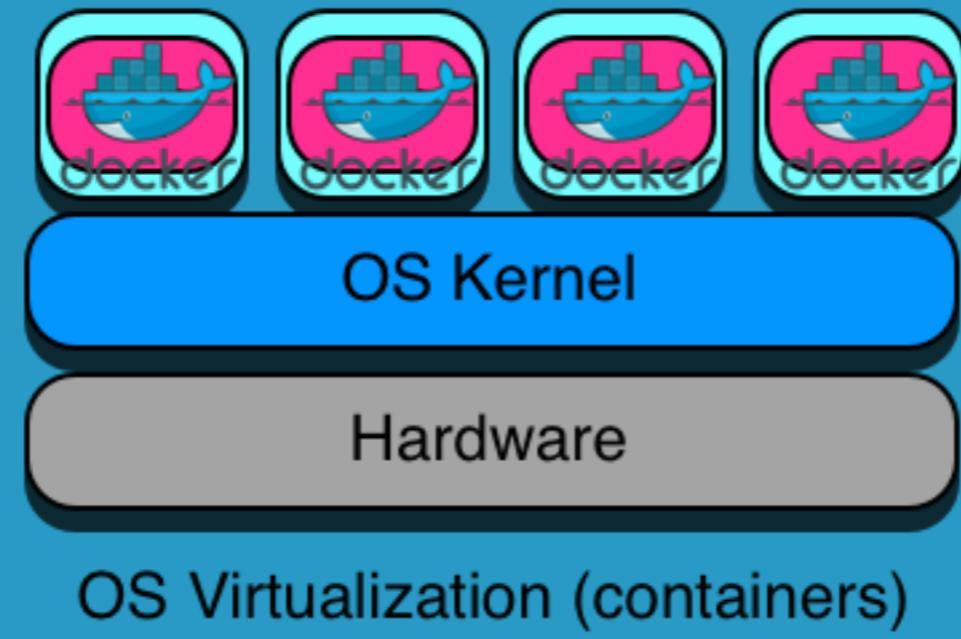






docker

- Launched mar 2013
- dotCloud
- application centric
- 1.0 since aug 2014

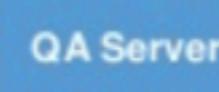
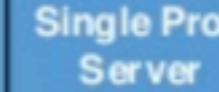
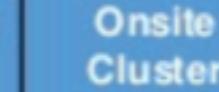
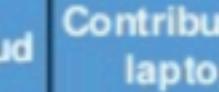
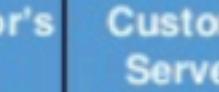


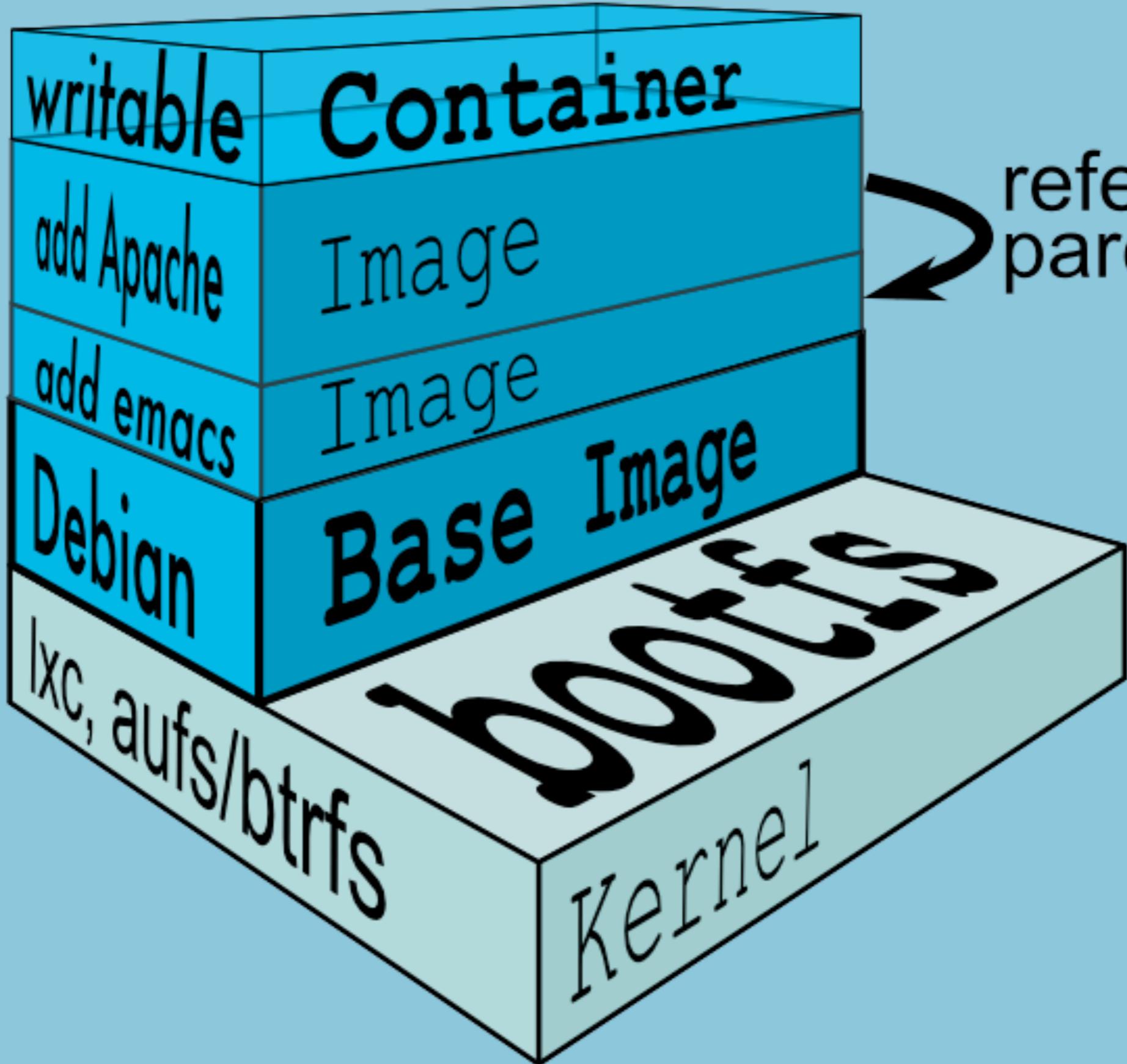
Isolation  
Portability  
Compatibility  
Automation  
Speed  
Versioning  
Re-usable



*“Ship anything... anywhere”*

# Docker eliminates the matrix from Hell

Static website	Development VM	QA Server	Single Prod Server	Onsite Cluster	Public Cloud	Contributor's laptop	Customer Servers
							
							
							
							
							
							
							
							



```
# Dockerfile: memcached

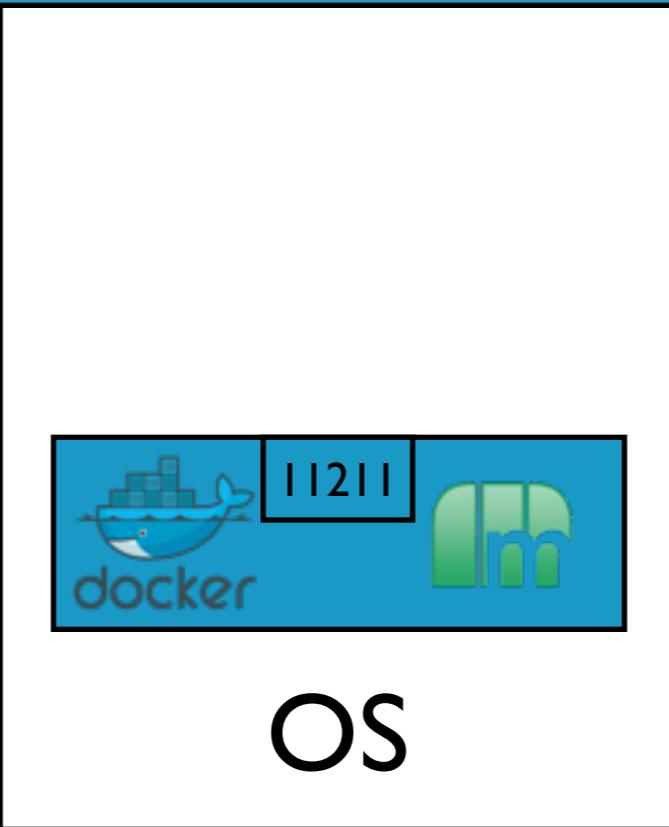
FROM ubuntu:14.04

# bring apt up-to-date and install memcached
RUN apt-get update -y
RUN apt-get install -y memcached

# run as user daemon (memcached doesn't allow to run as root)
USER daemon

# expose memcached port
EXPOSE 11211

# Launch memcached when launching the container
ENTRYPOINT [ "memcached" ]
```



OS

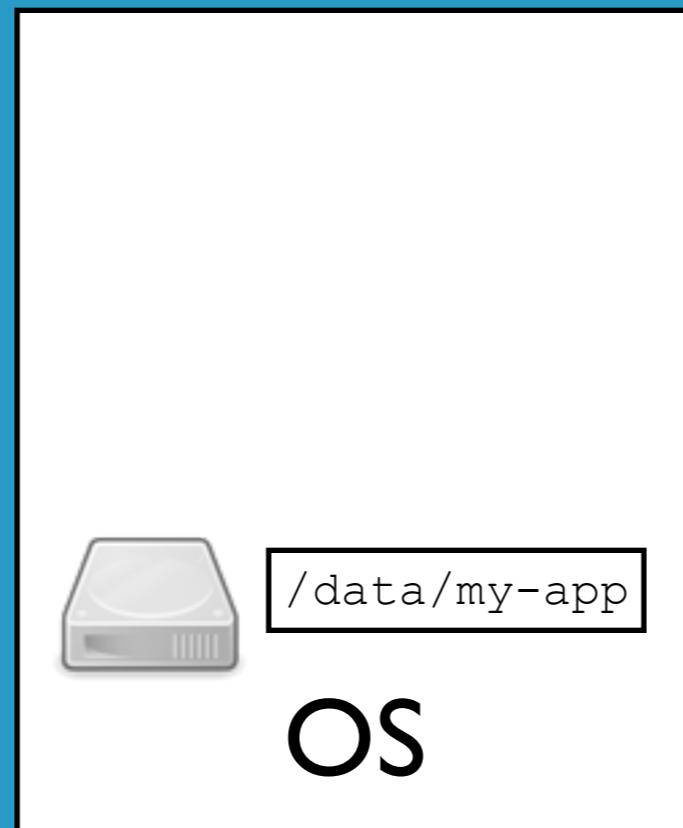
```
# Dockerfile: node app
FROM node:0.10.32
MAINTAINER Nils De Moor

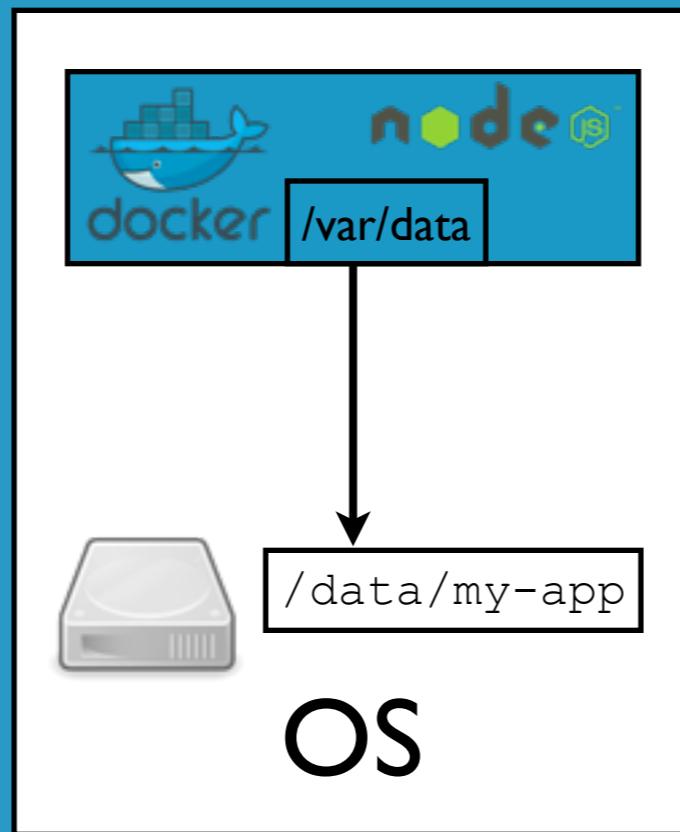
# add our application code
ADD . /var/www
WORKDIR /var/www

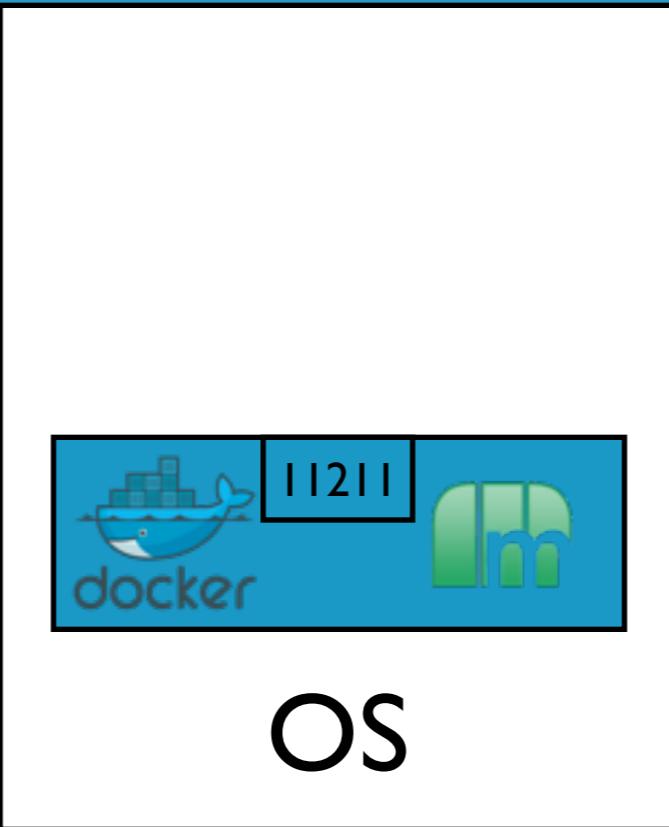
# run build steps
RUN npm install --production

# Create mount point for application data
VOLUME /var/data

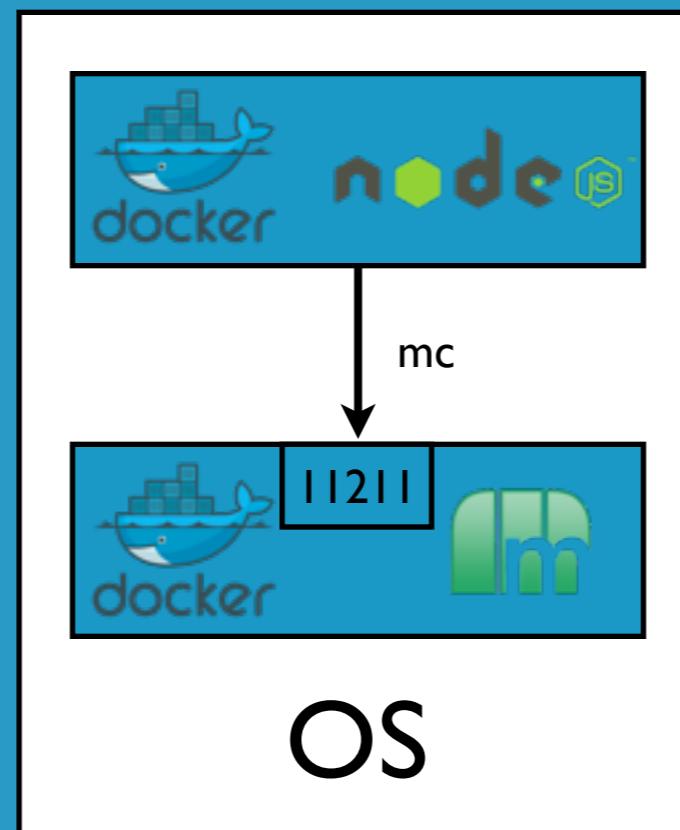
# Launch memcached when launching the container
CMD [ "npm", "start" ]
```



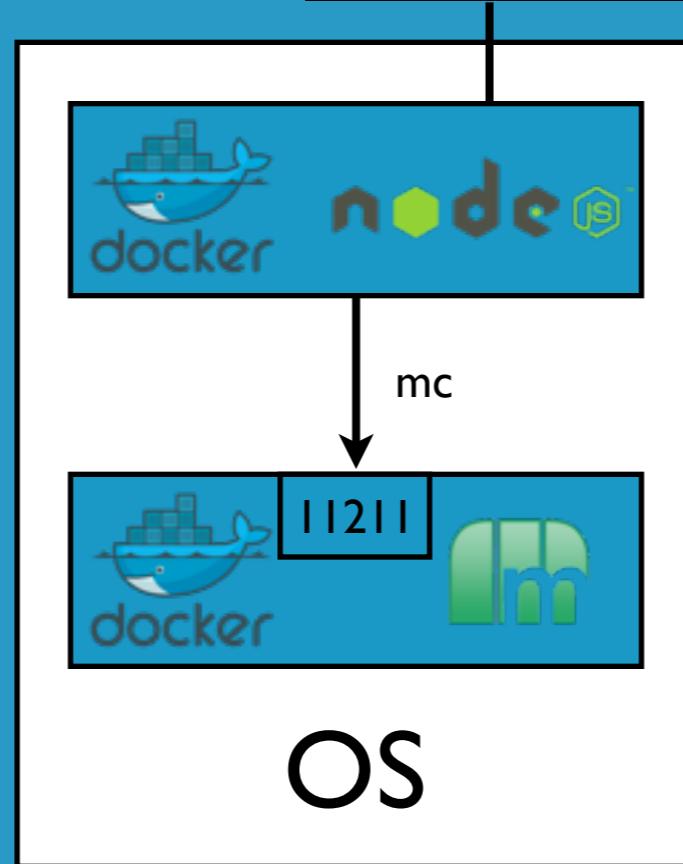


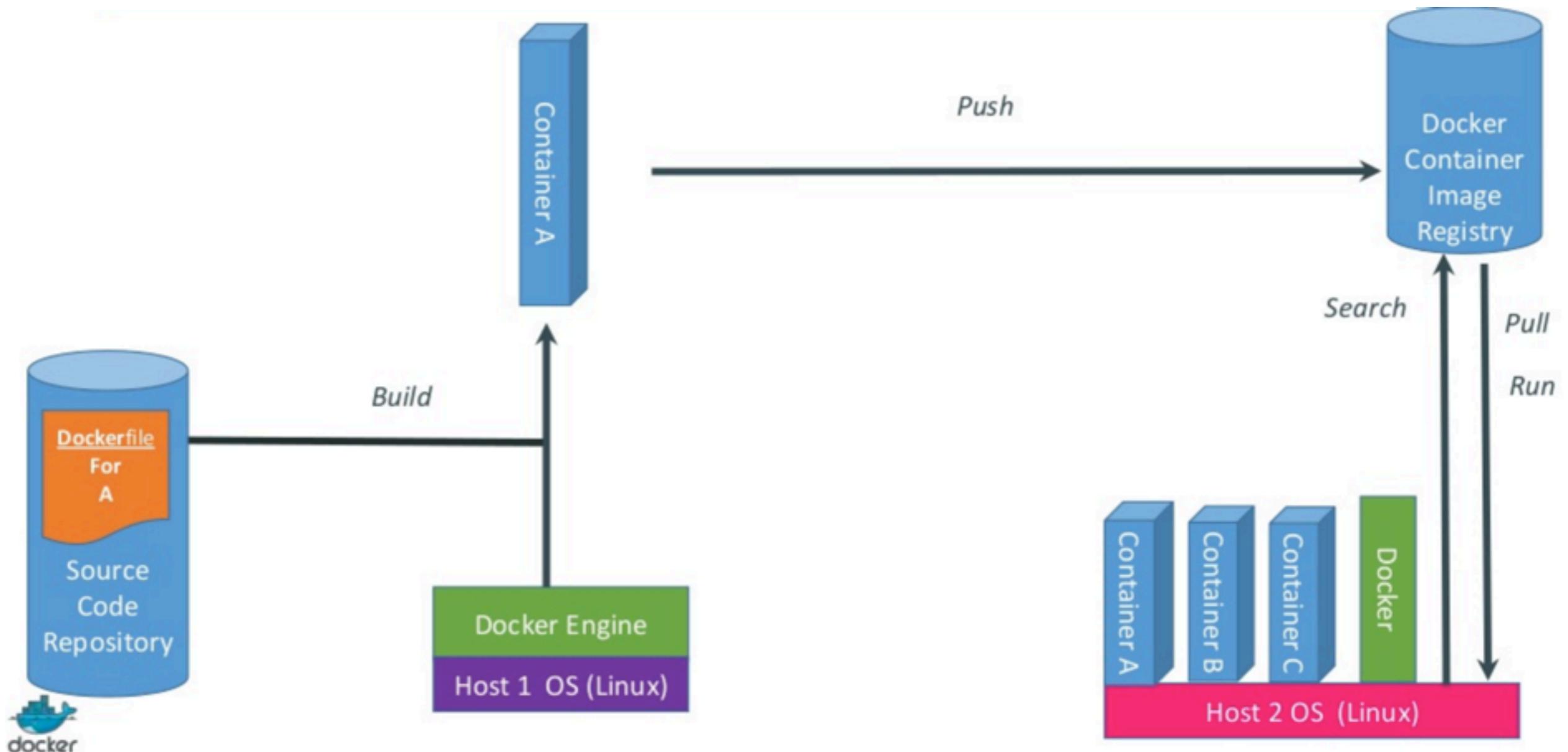


OS



```
MC_NAME=/ndemoor/memcache  
MC_PORT=tcp://172.17.0.5:11211  
MC_PORT_11211_TCP=tcp://172.17.0.5:11211  
MC_PORT_11211_TCP_PROTO=tcp  
MC_PORT_11211_TCP_PORT=11211  
MC_PORT_11211_TCP_ADDR=172.17.0.5
```







Search...



Browse Repos

Documentation

Community

Help



ndemoor ▾

Search the Registry



## Official Repositories



redis

ubuntu

The Official Ubuntu base image



Popular open-source relational database management system

NGINX

High performance reverse proxy server



Relational database management system



mongoDB

Document-oriented NoSQL database



WORDPRESS

WordPress is a free and open source blogging tool and a content management system



CentOS

Official CentOS base image

node.js

Node.js is a platform for scalable server-side and networking applications

## Top Contributors



clue

~Aachen, Germany



cpuguy83

## Popular Repositories



158

ubuntu

Official Ubuntu base image



153

stackbrew



833



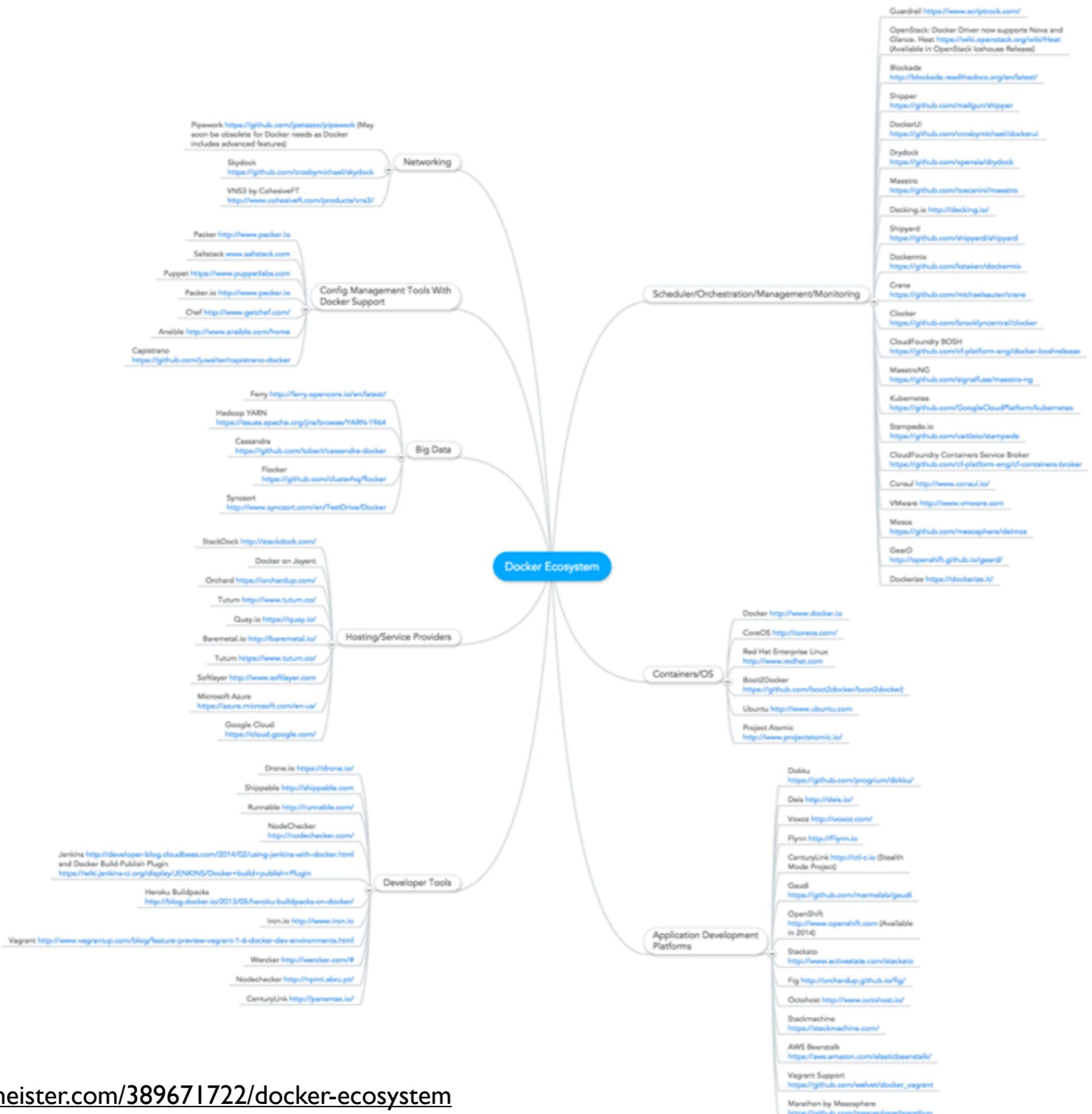
**DEMO TIME**

<https://github.com/ndemoor/docker-node-app>











# Fast, isolated development environments using Docker.

Define your app's environment with Docker so it can be reproduced anywhere:

```
FROM python:2.7
ADD . /code
WORKDIR /code
RUN pip install -r requirements.txt
```

Define the services that make up your app so they can be run together in an isolated environment:

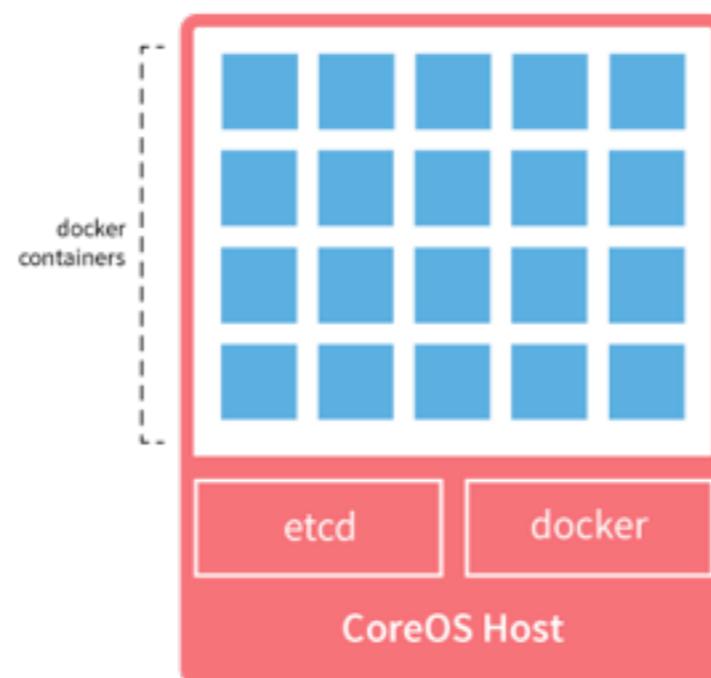
```
web:
  build: .
  command: python app.py
  links:
    - db
  ports:
    - "8000:8000"
db:
  image: postgres
```

(No more installing Postgres on your laptop!)



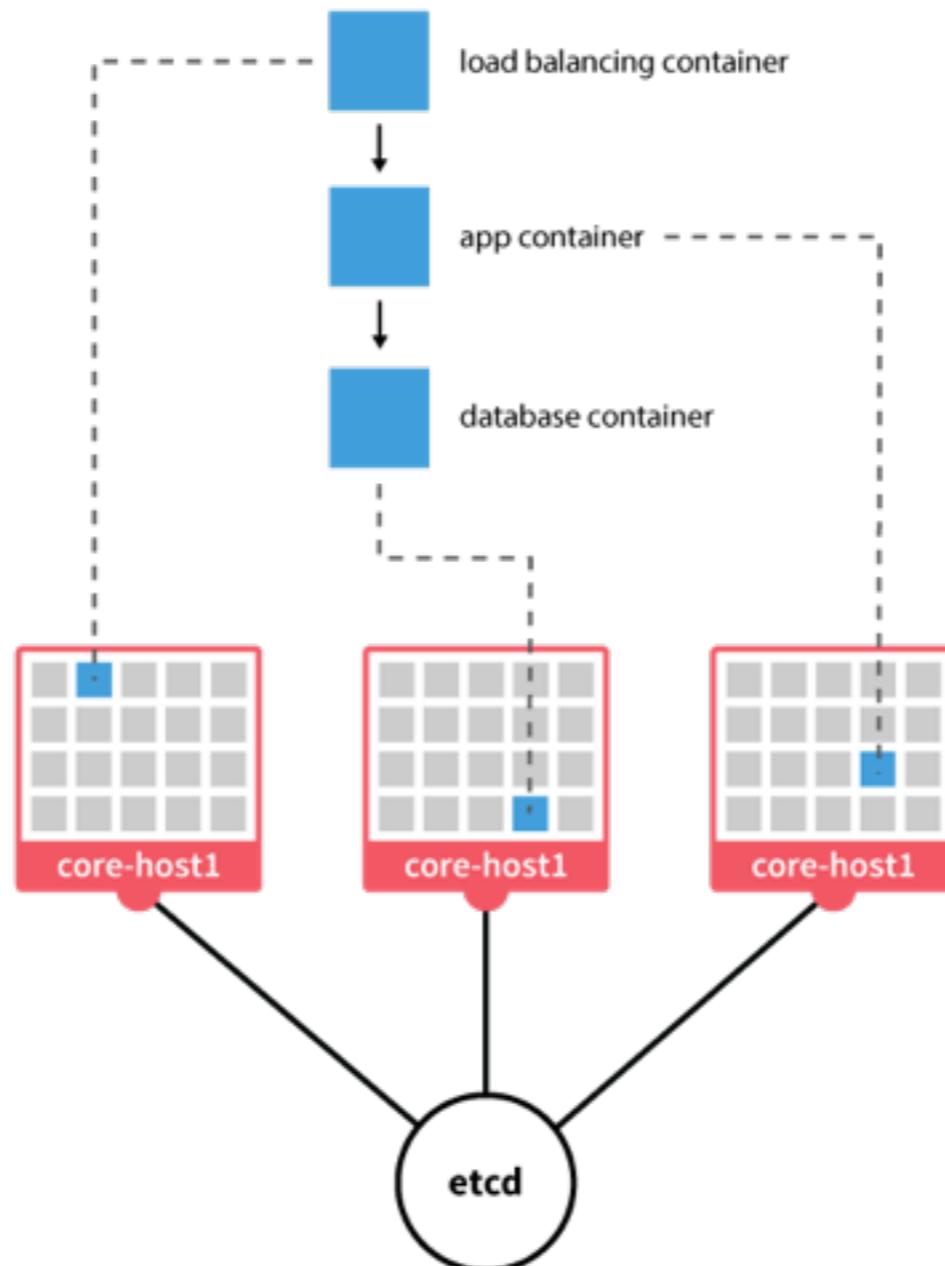
# Flynn





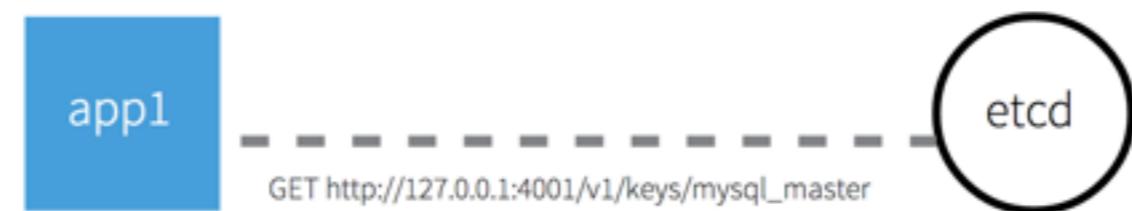


# CoreOS





*Read the master database IP address from etcd.*



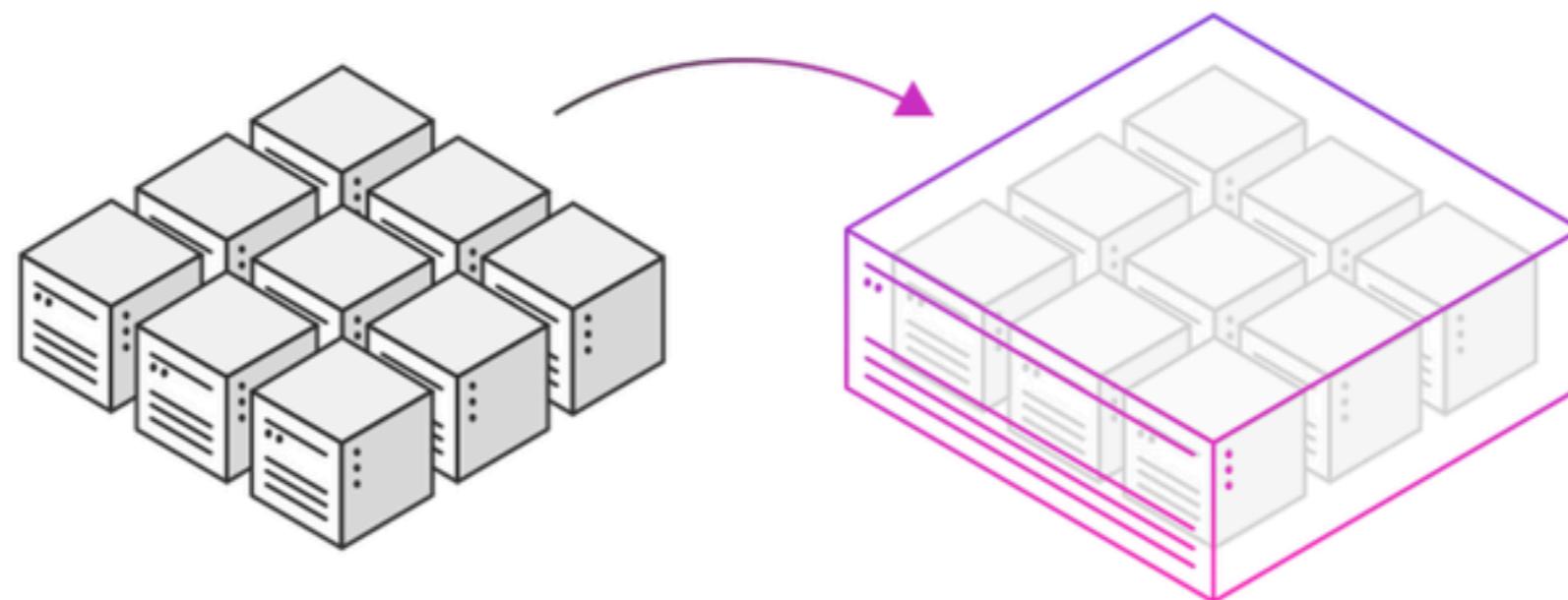
*Read the master database IP address from etcd.*

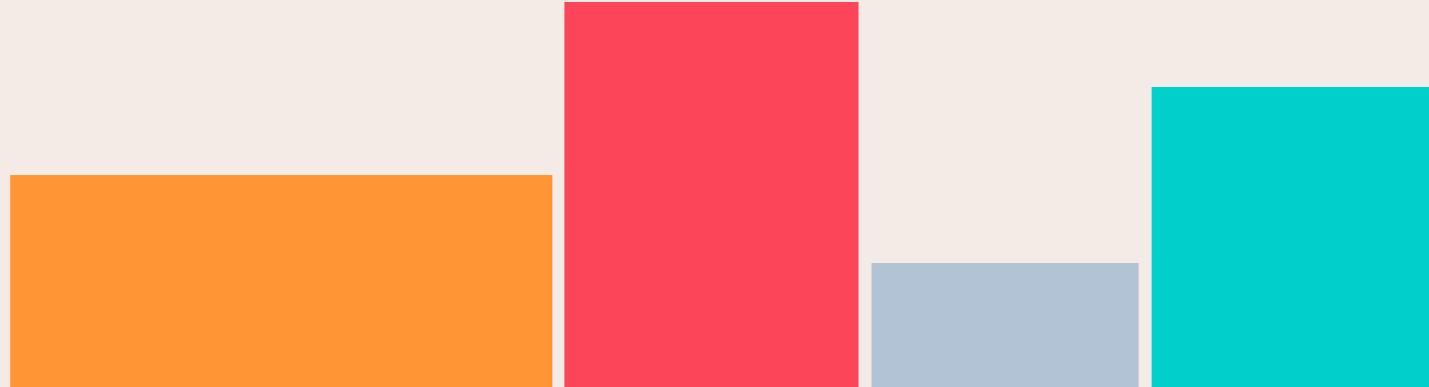


MESOS

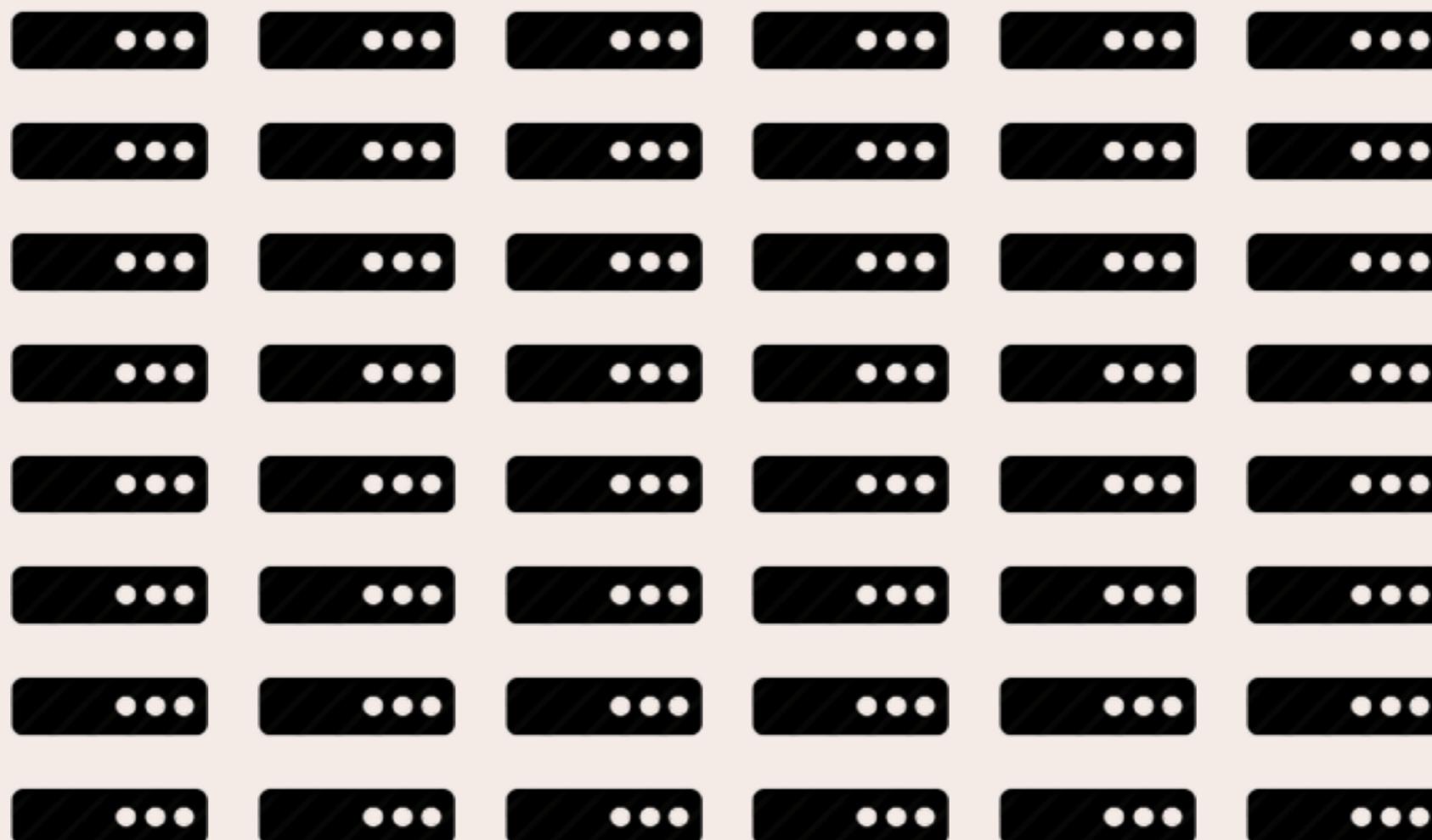
## Combine Your Servers Into One Big Computer

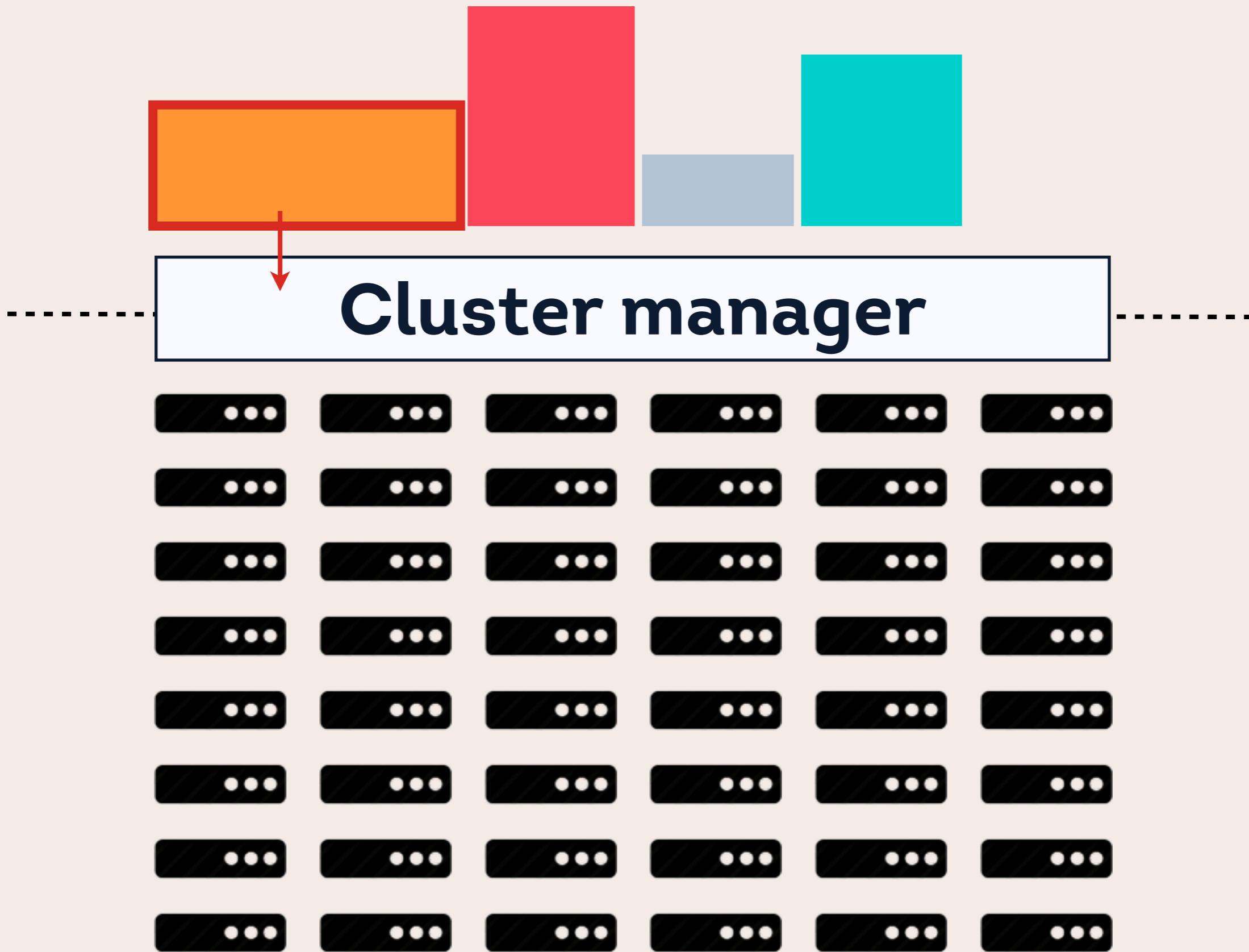
Mesosphere combines your datacenter servers and cloud instances into one shared pool  
from which any app or framework can draw.



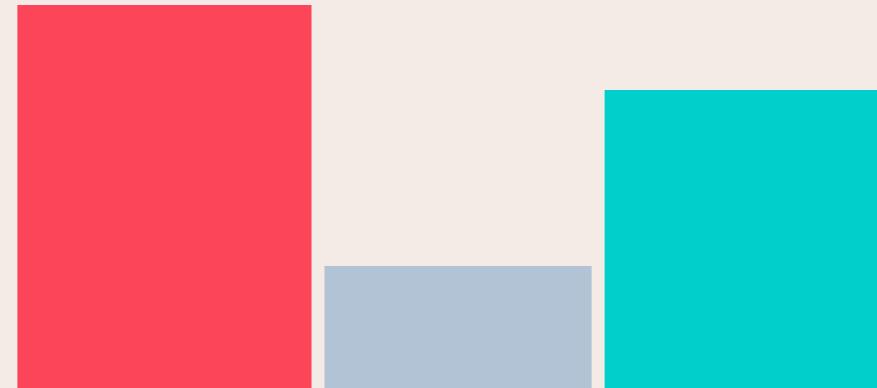


# Cluster manager

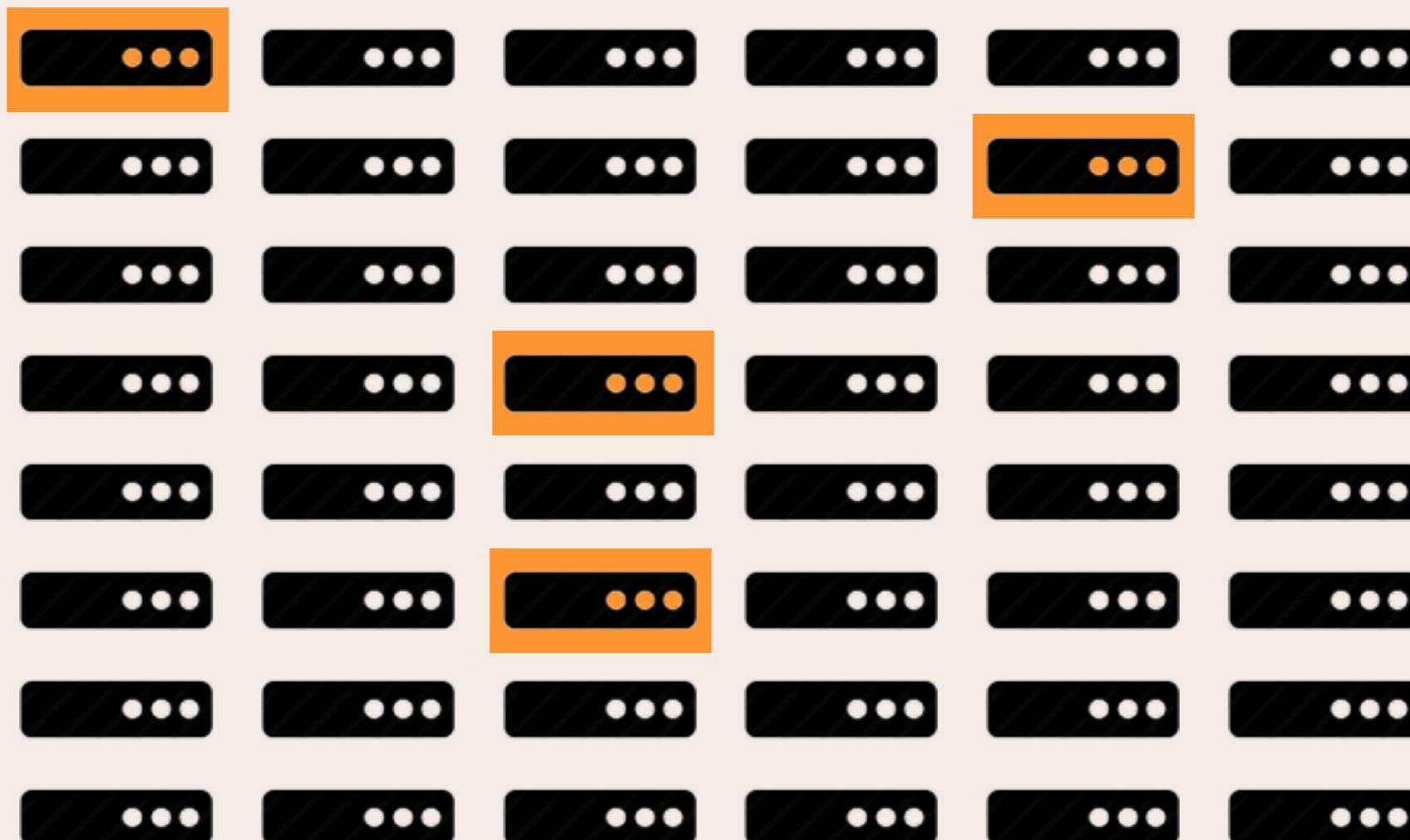


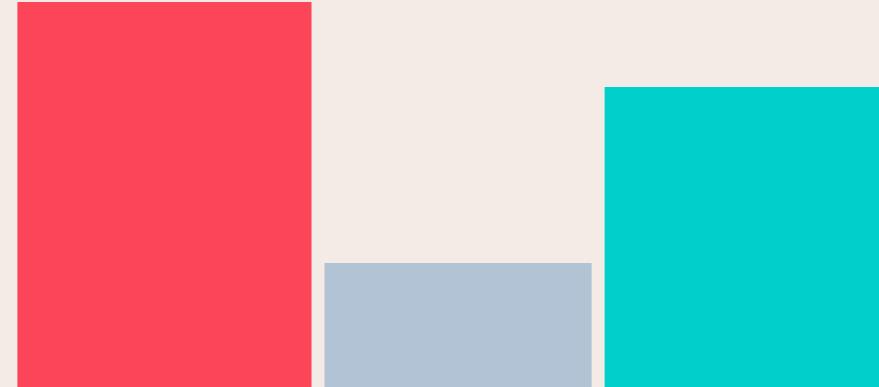


NEXT: shit hits the fan



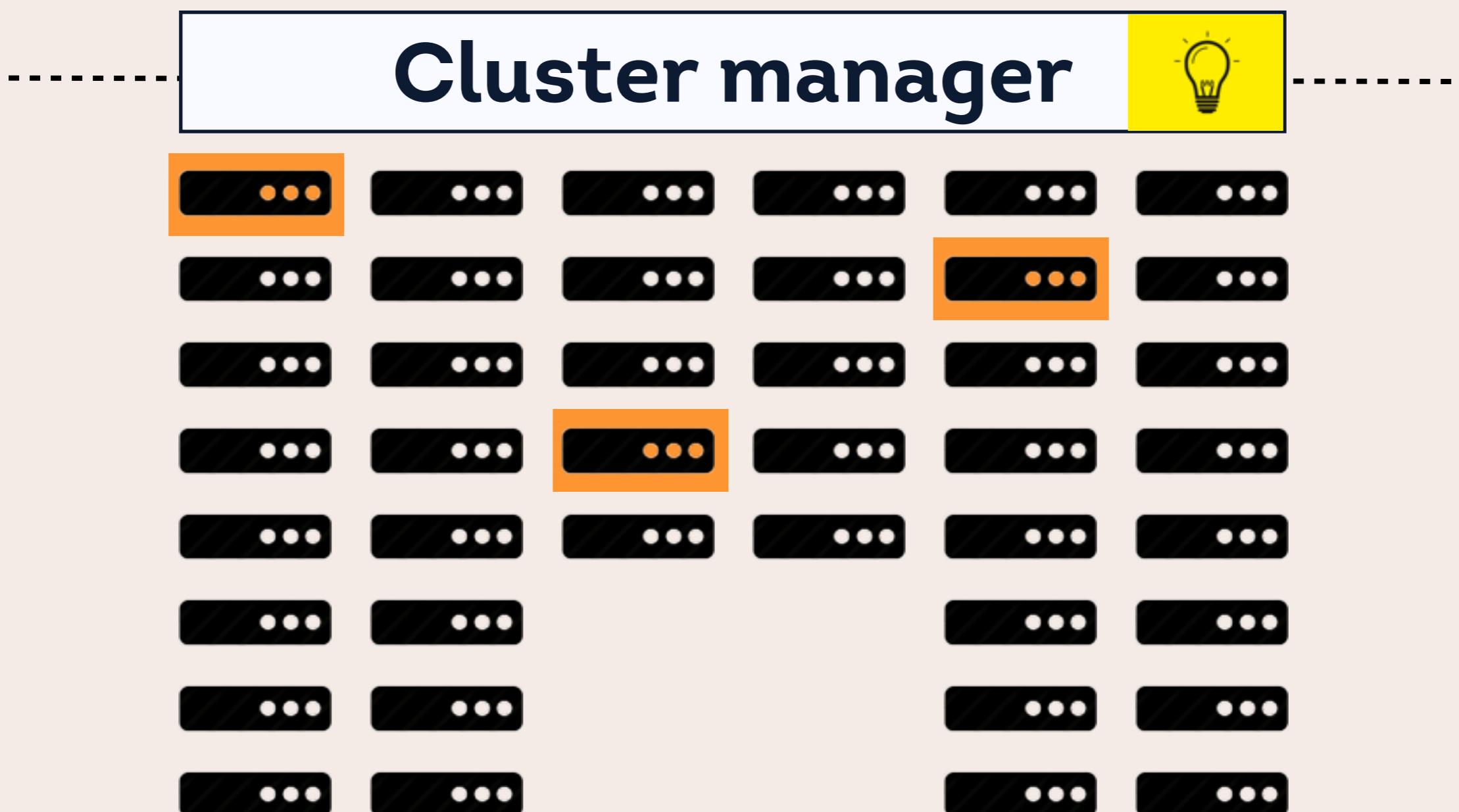
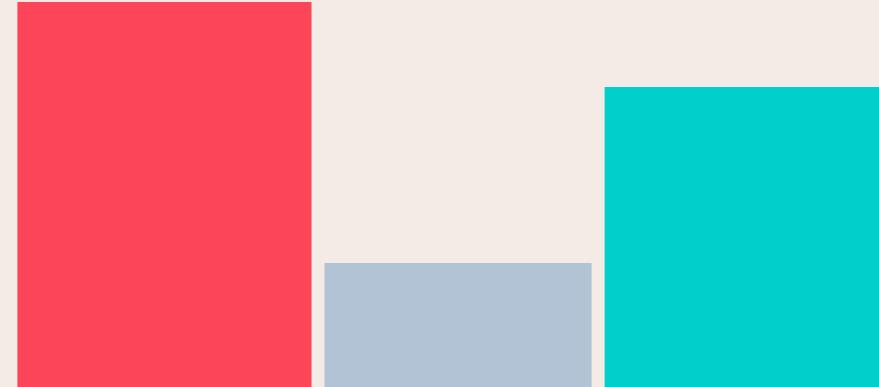
# Cluster manager

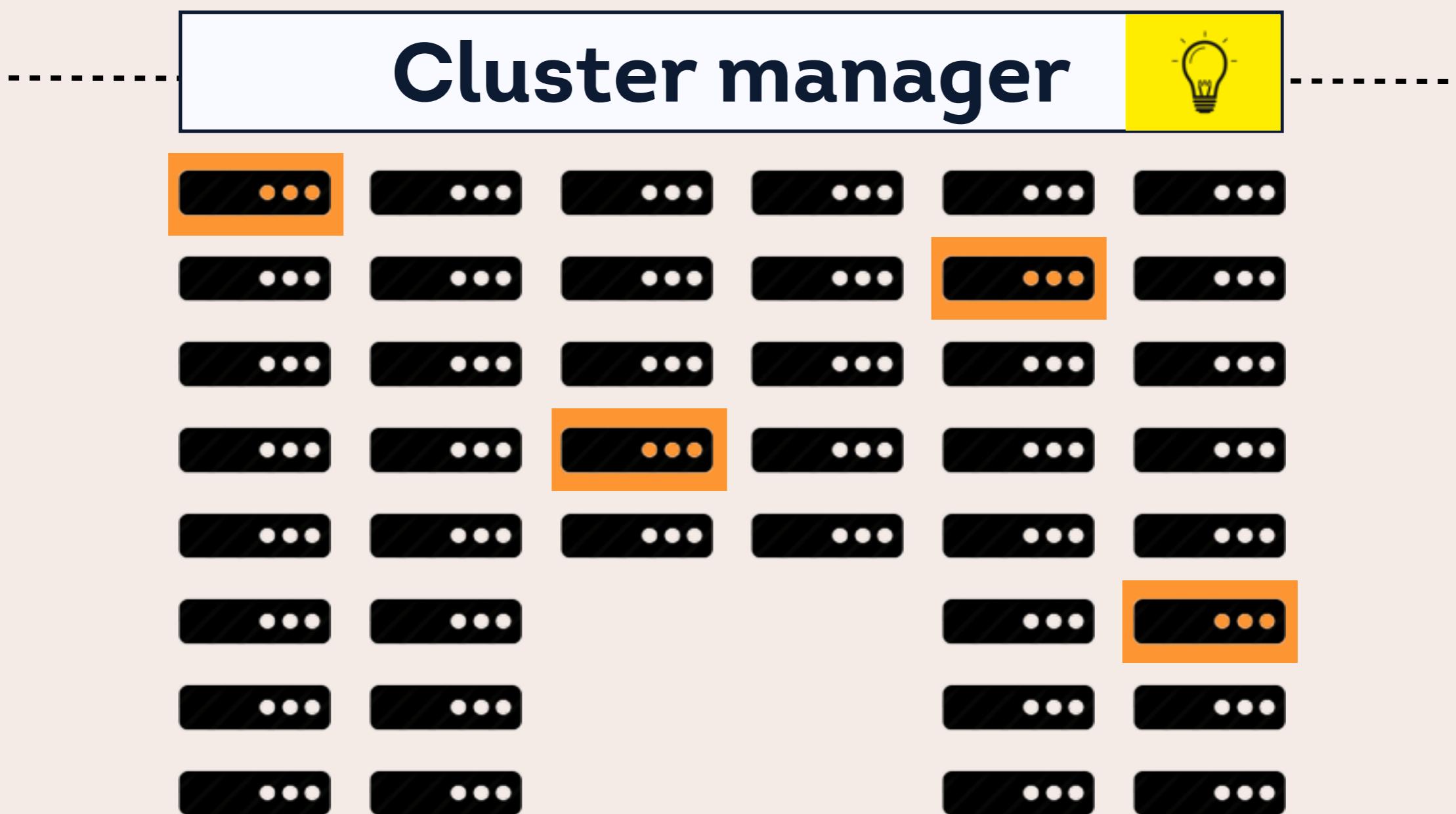
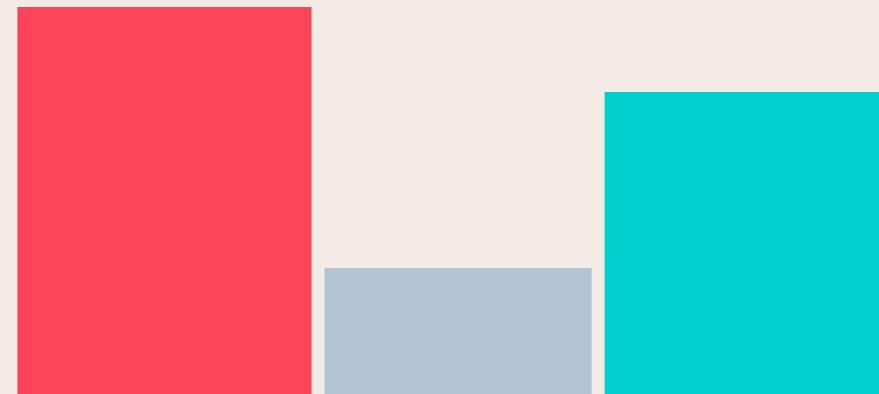


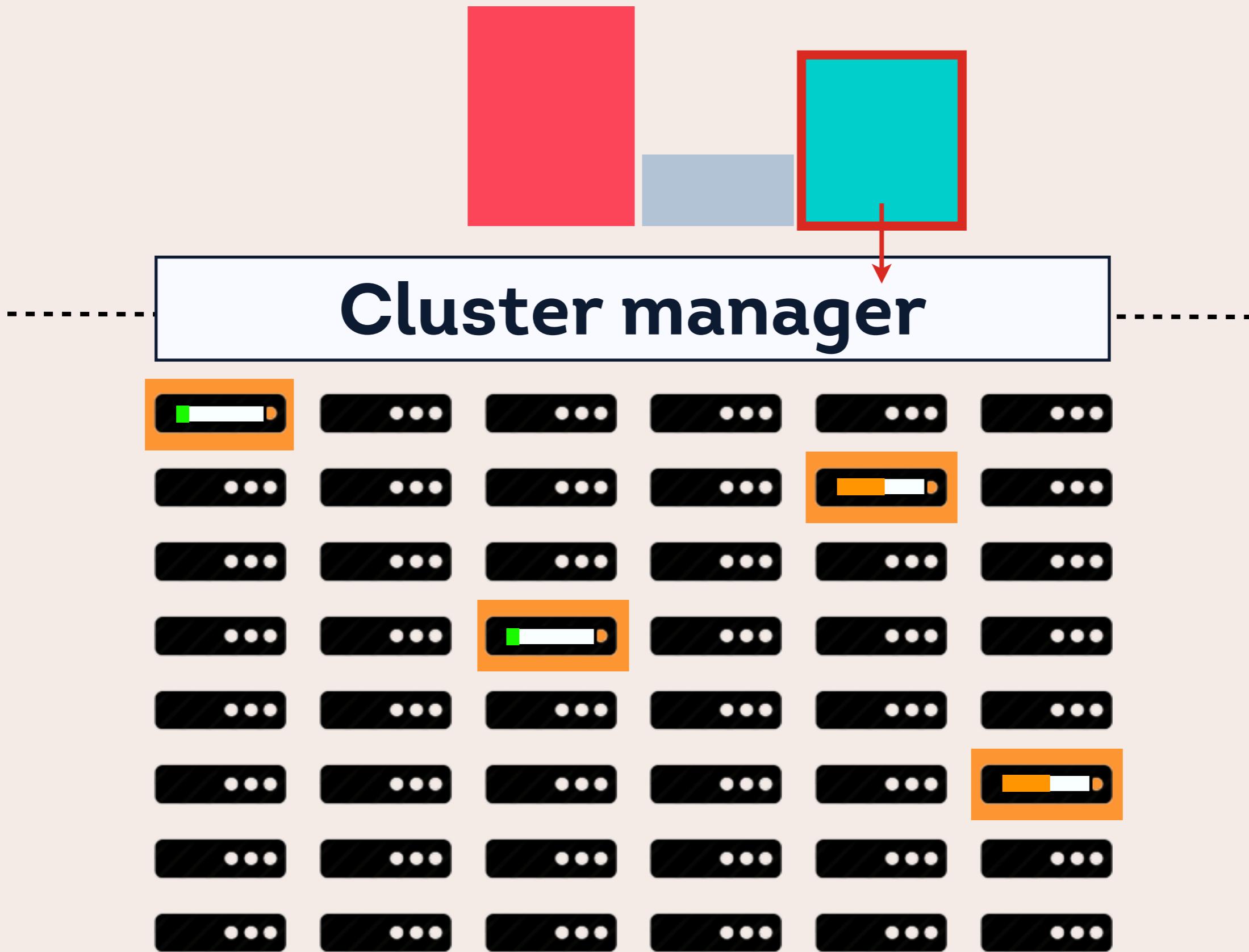


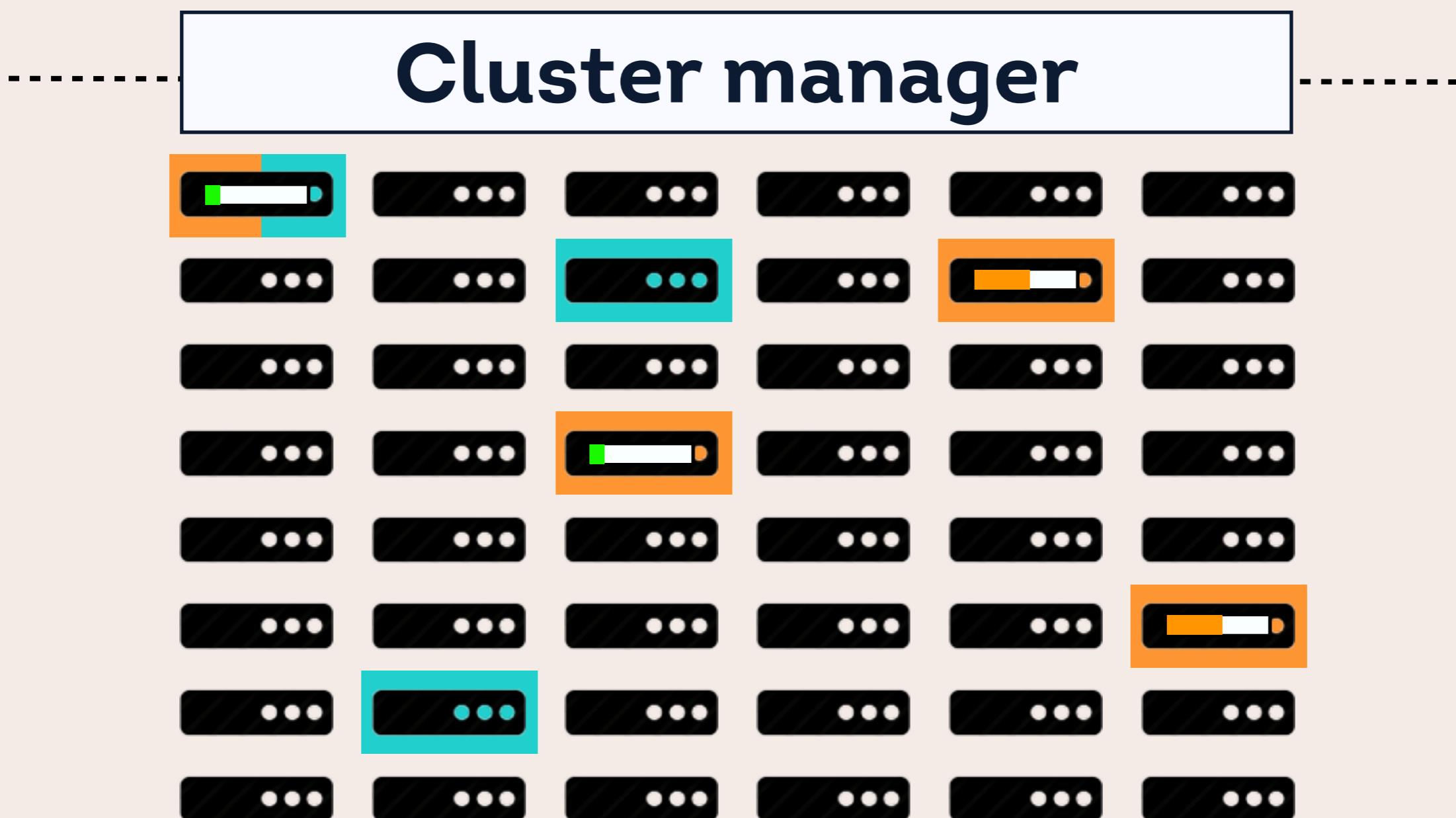
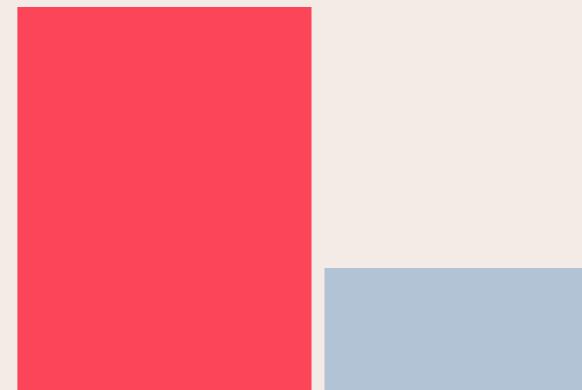
# Cluster manager







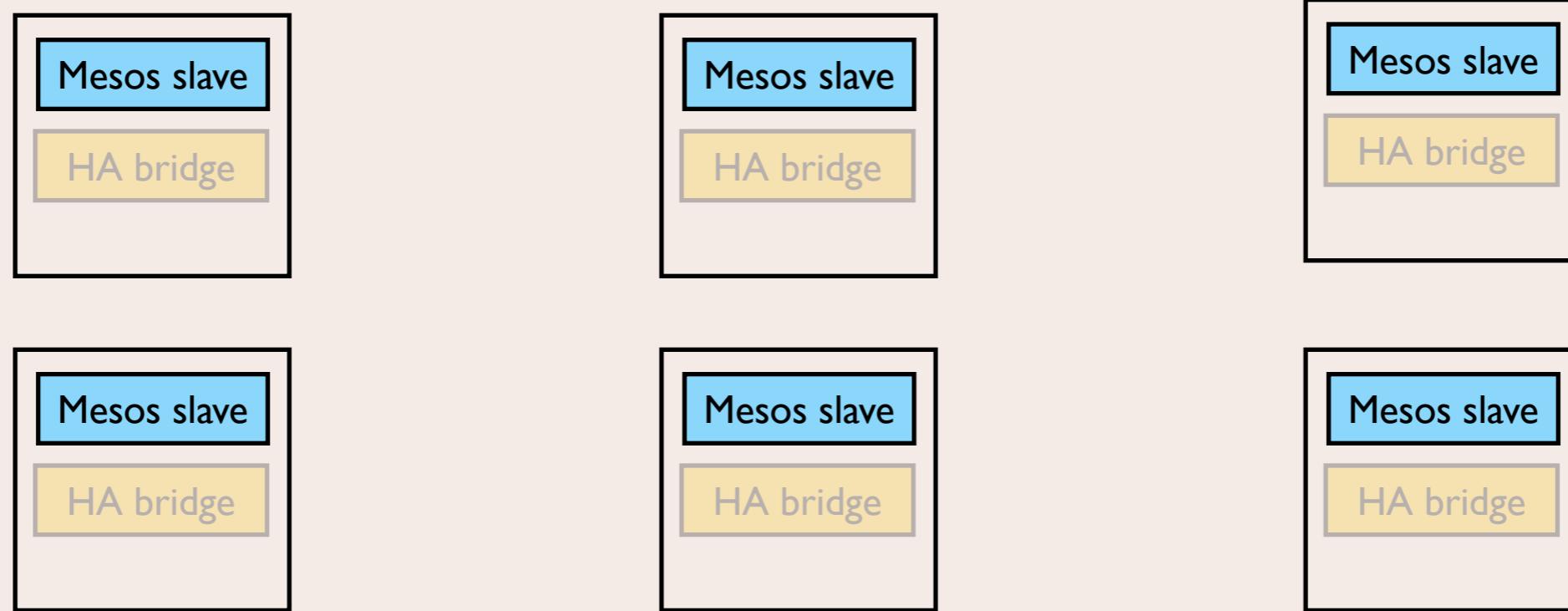
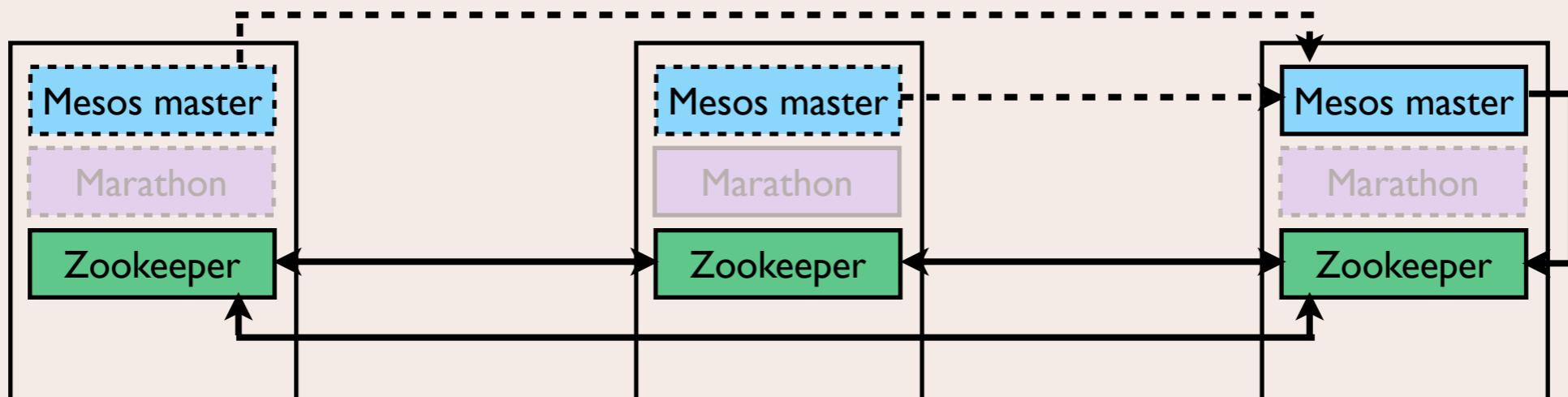


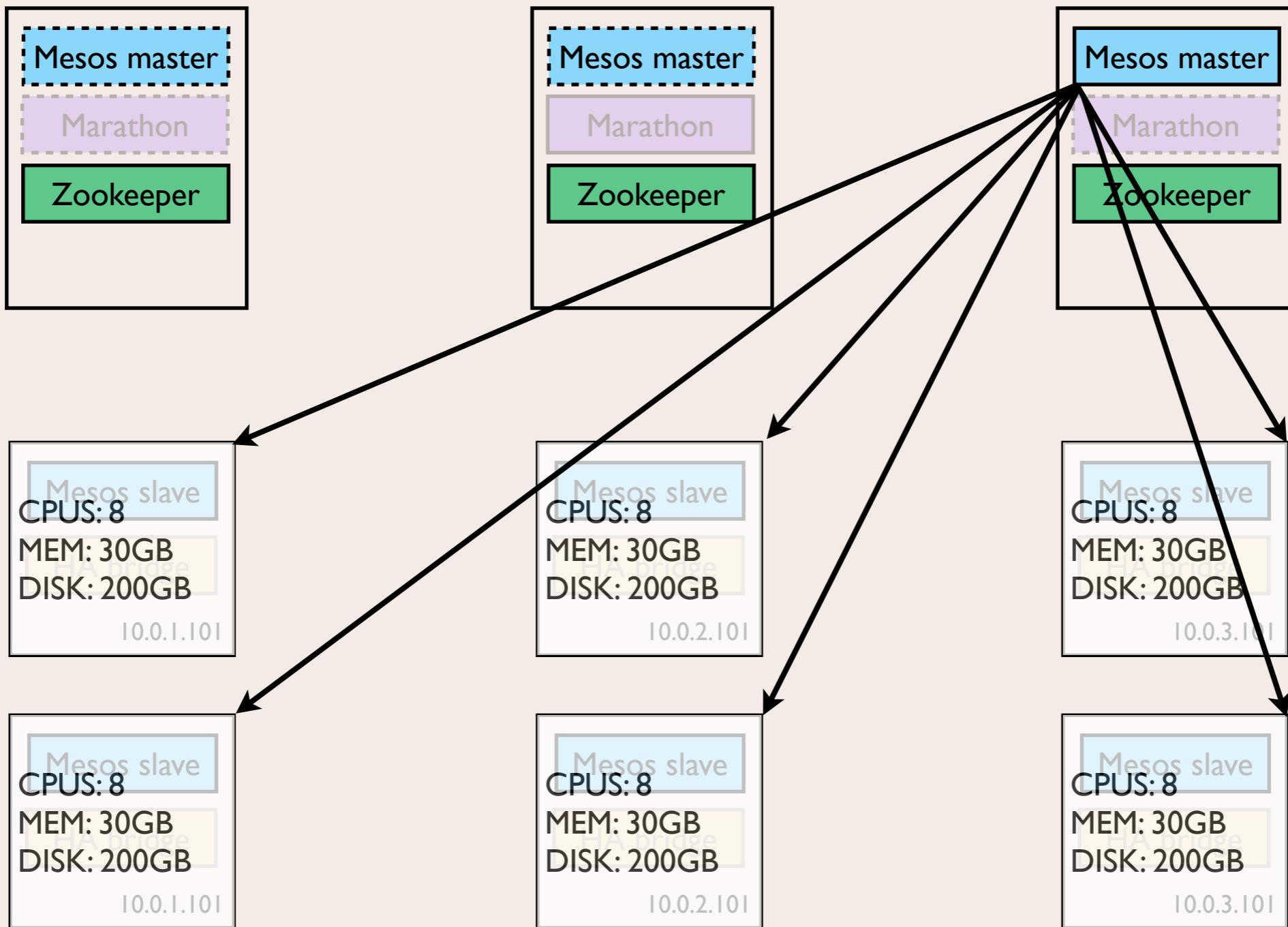


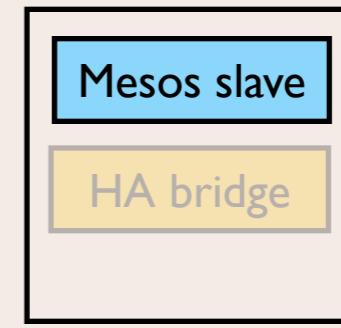
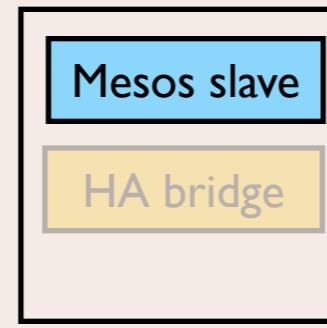
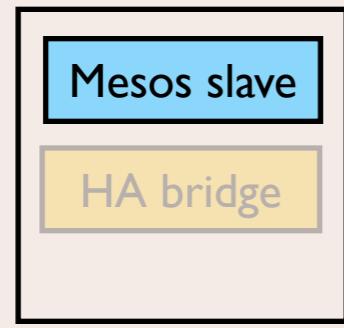
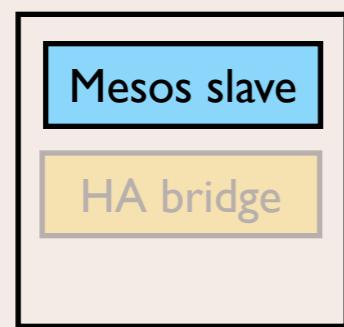
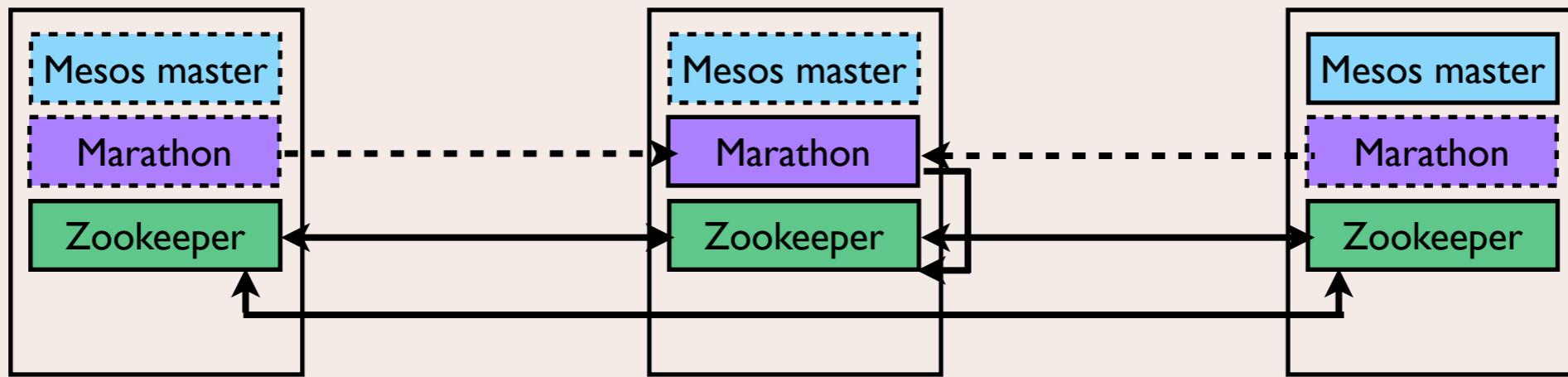
Dev

# Cluster manager

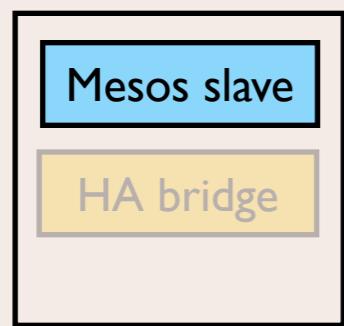
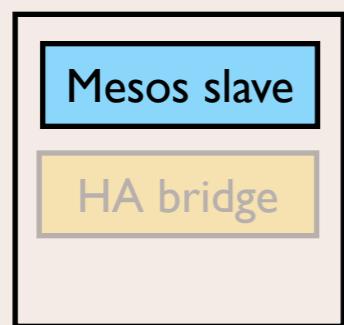
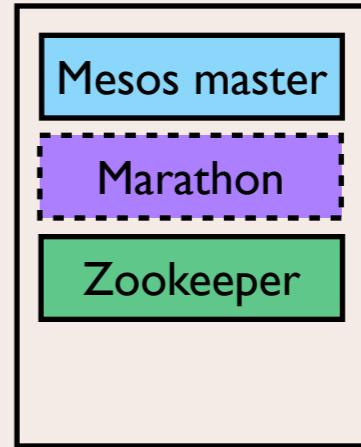
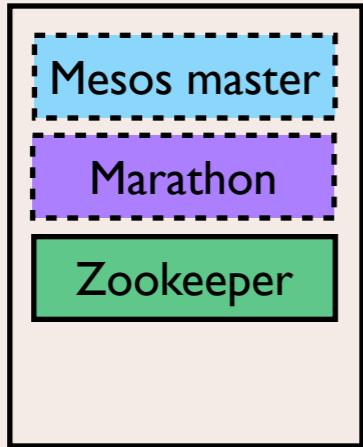
Ops

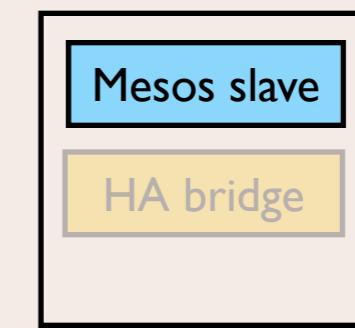
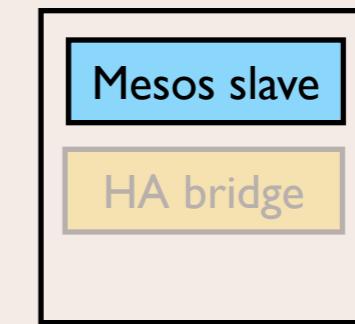
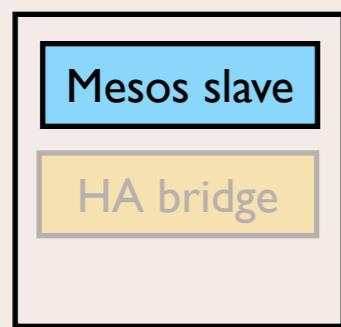
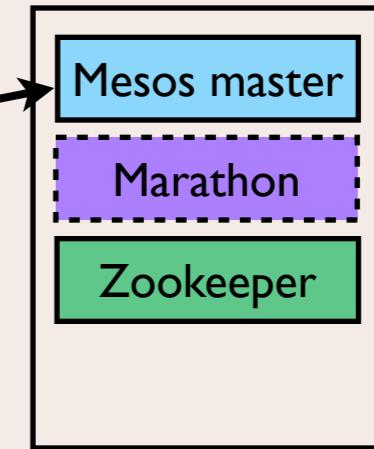
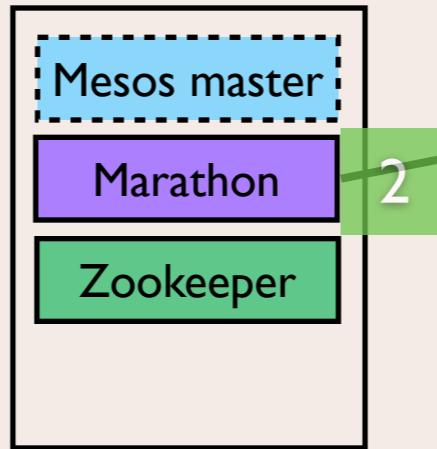


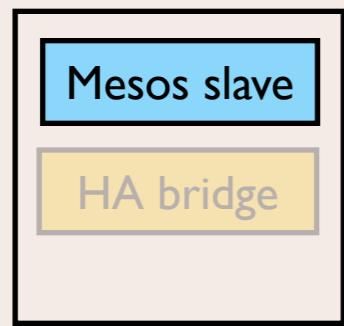
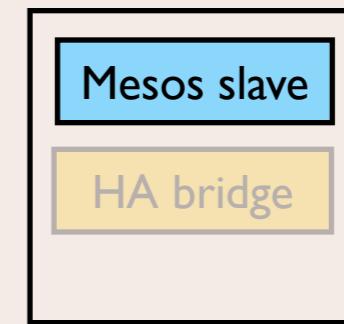
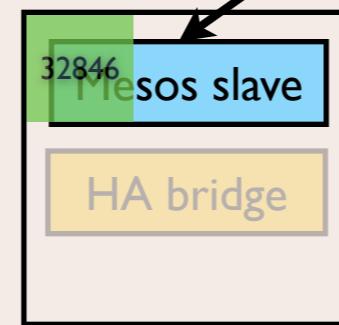
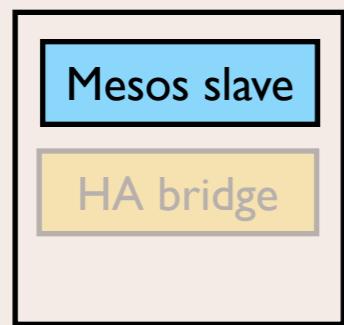
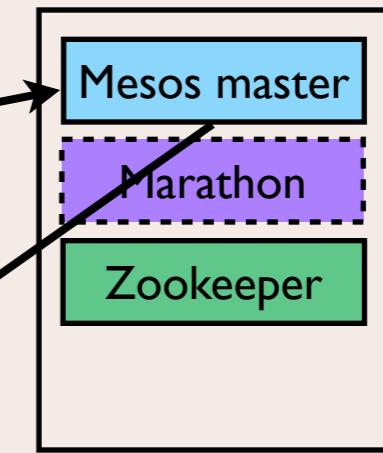
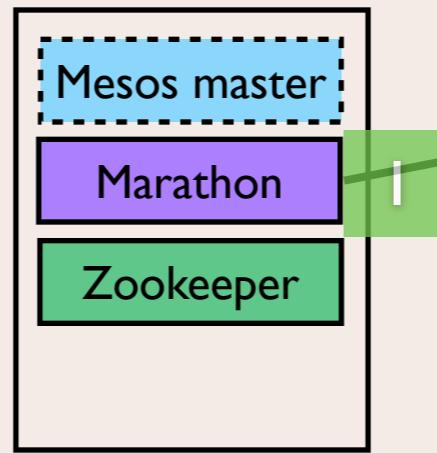
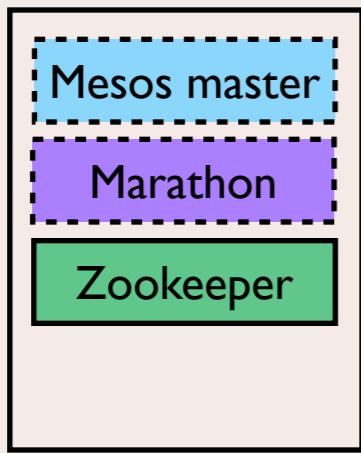


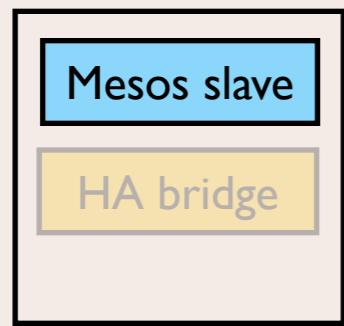
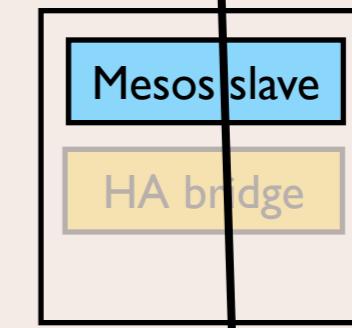
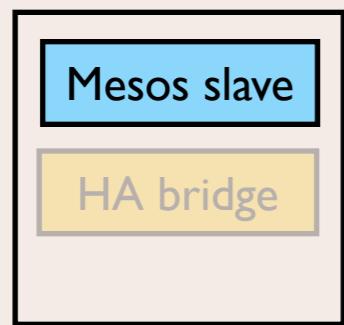
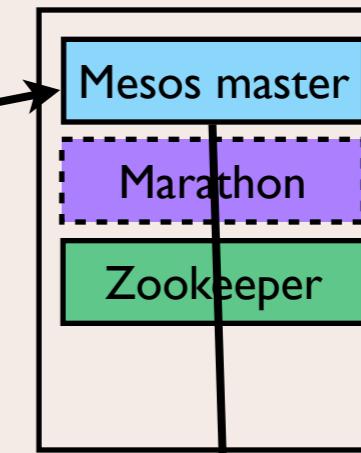
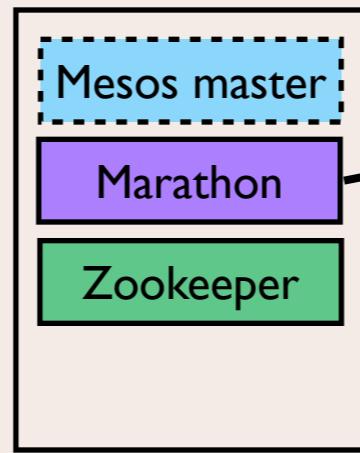
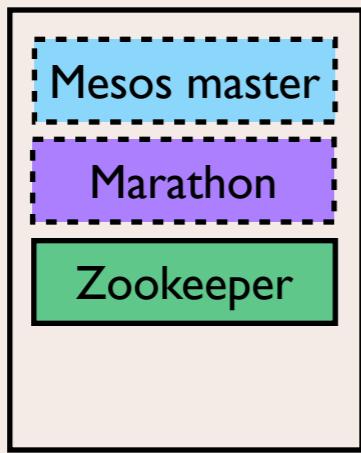


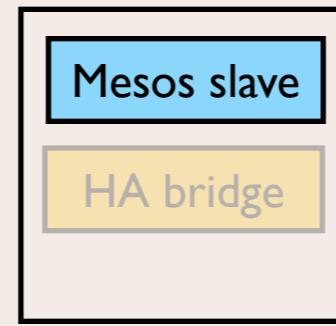
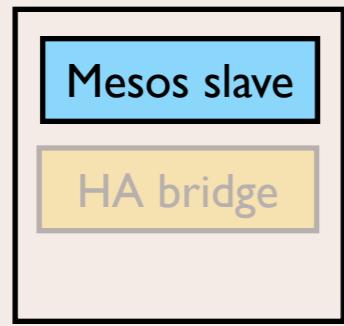
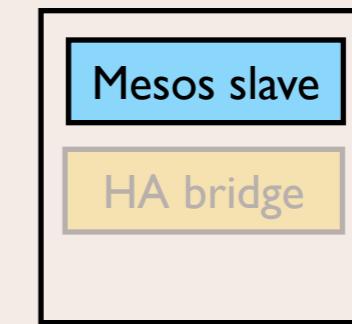
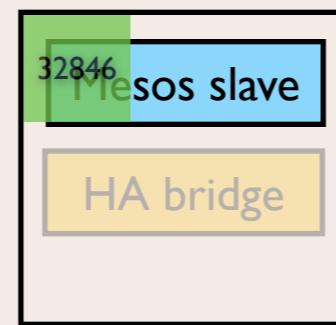
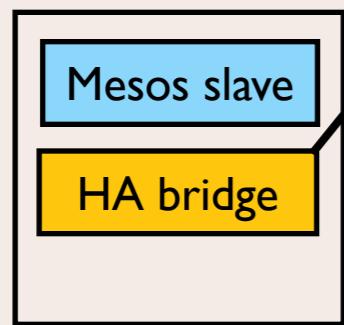
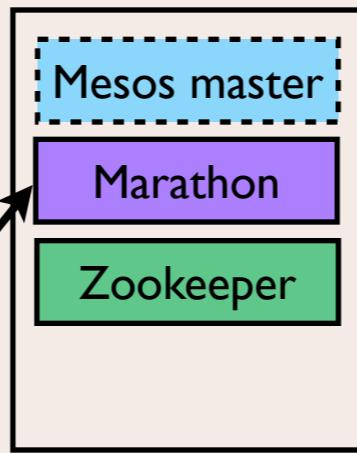
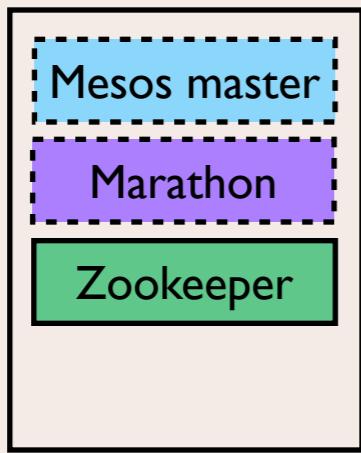
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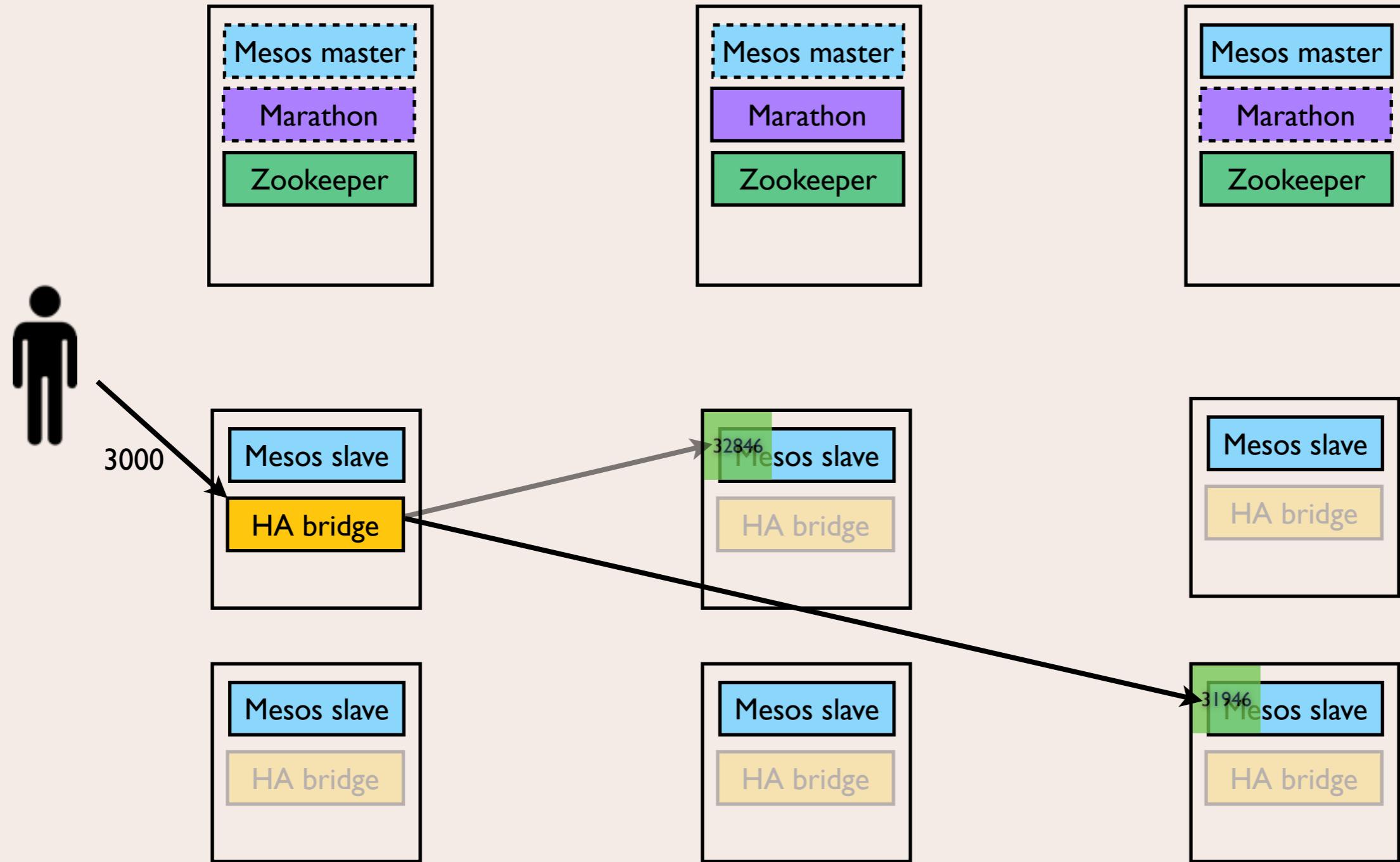














# DEMO TIME

<https://github.com/Woorank/vagrant-mesos-cluster>

<http://meetup.com/Docker-Belgium>

Thank  

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**You!**

# Photo Credit

<http://www.soullifestyle.com/sites/default/files/styles/1240/public/products/slideshow/image/Rome%20Floor%20lamp%20Antique%20Bronze%20Dark%20Grey%20Shade.jpg>

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