

Docker Workshop

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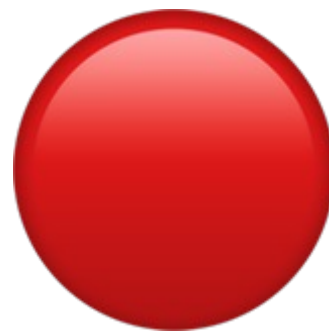
Intro



Why containers?







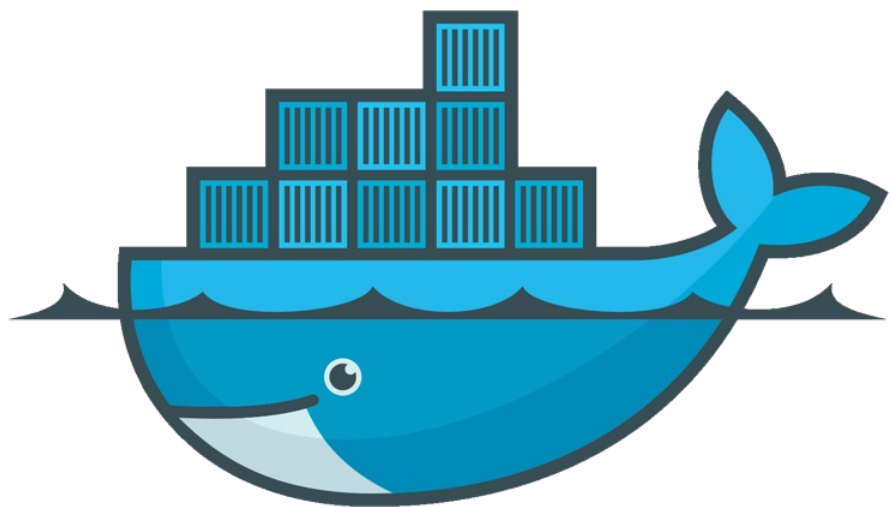


Shipping is hard!





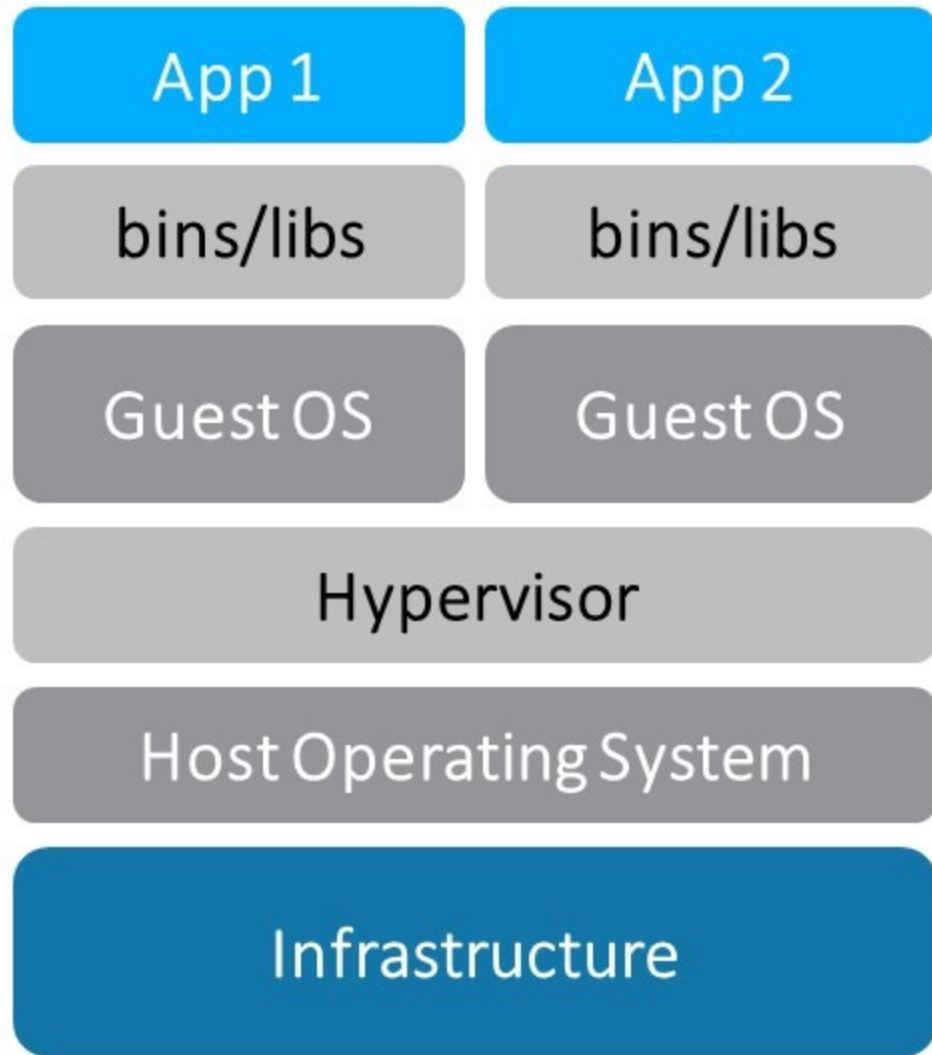




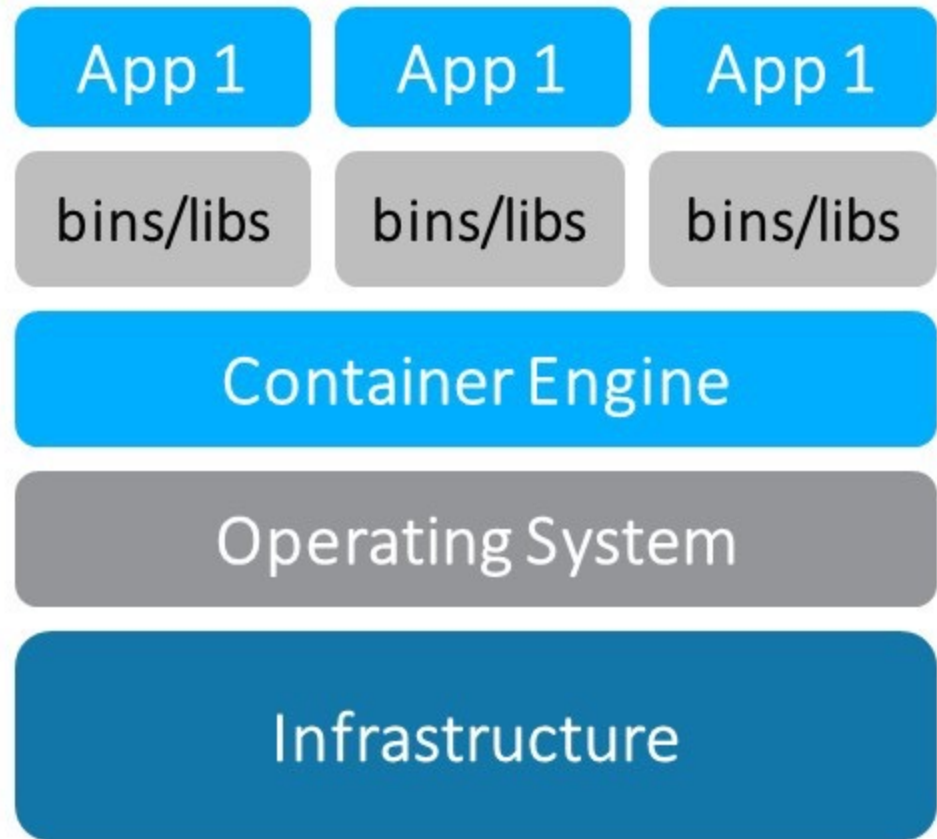
docker



Specification for packaging,
shipping and running services



Virtual Machines



Containers

Process 1

CONTAINER

Tomcat

Java

Debian

Process 2

CONTAINER

PHP

MySQL

Ubuntu

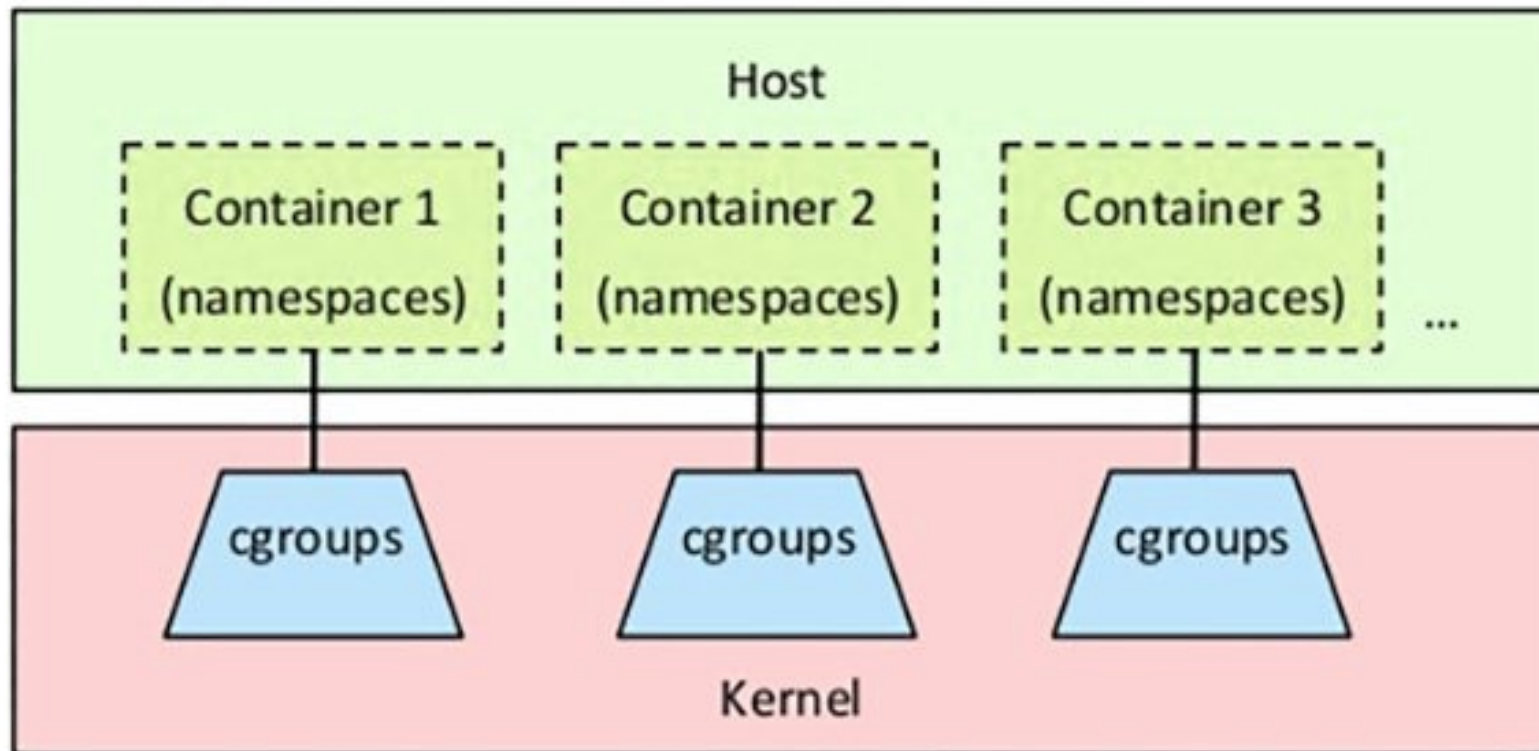
Process 3

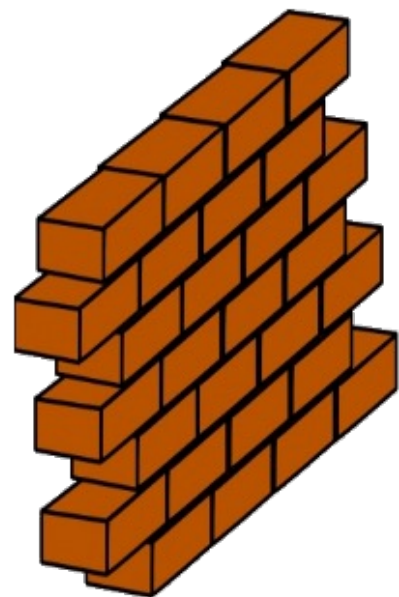
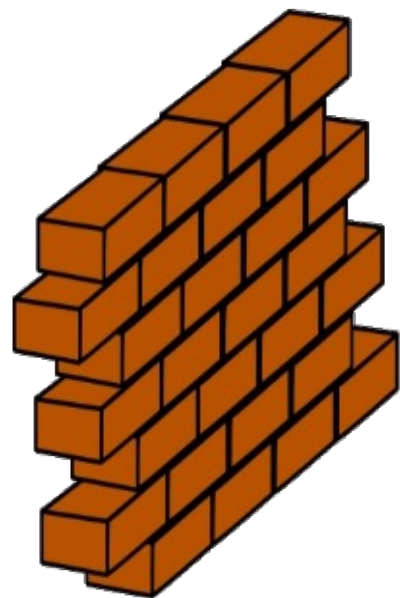
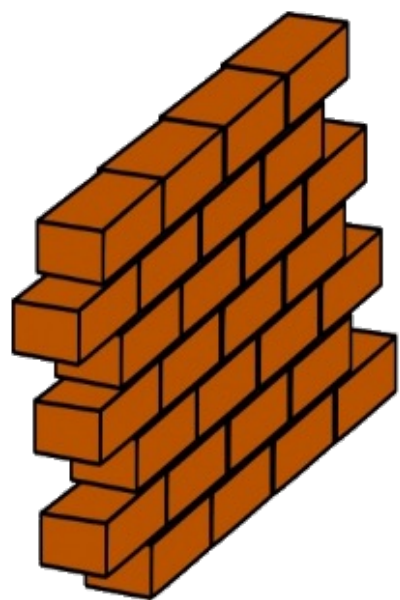
CONTAINER

Static Binary

Alpine

Kernel





Dockerfile



→ Build →

Image



→ Run →

Container



Containers are minimal



```
$ docker images ubuntu
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
ubuntu	latest	f63181f19b2f	8 months ago	72.9MB

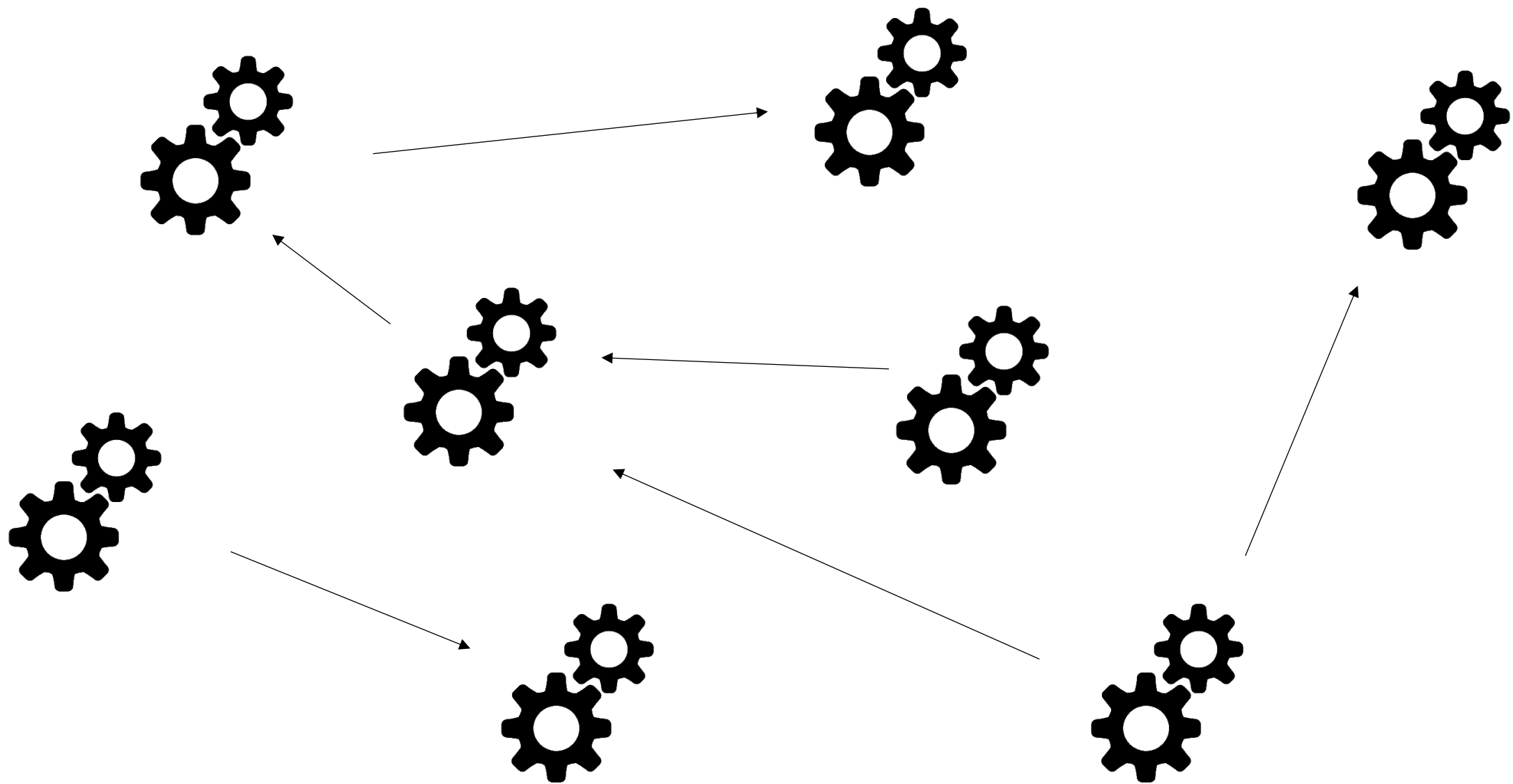
```
$ docker images alpine
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
alpine	latest	14119a10abf4	4 weeks ago	5.6MB
alpine	3.12	d6e46aa2470d	11 months ago	5.57MB
alpine	3.10	be4e4bea2c2e	17 months ago	5.58MB
alpine	3.8	c8bccc0af957	20 months ago	4.41MB

Containers are task-specific

Containers are isolated

Containers are reproducible
(ish)





Kelsey Hightower ✓

@kelseyhightower

Following



I'm sure that container management system you wrote is going to be awesome!



7:52 PM - 7 Nov 2014



Kelsey Hightower ✓

@kelseyhightower

Following



But it scales!



8:03 PM - 7 Nov 2014

Orchestrator

