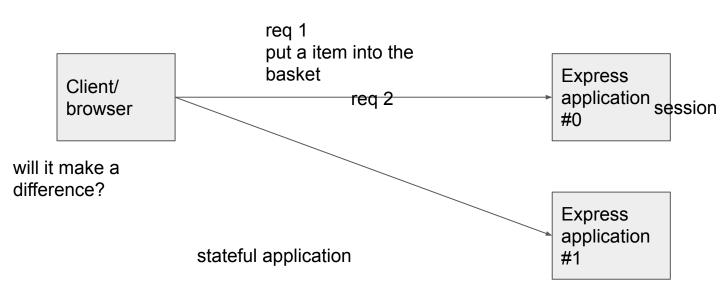
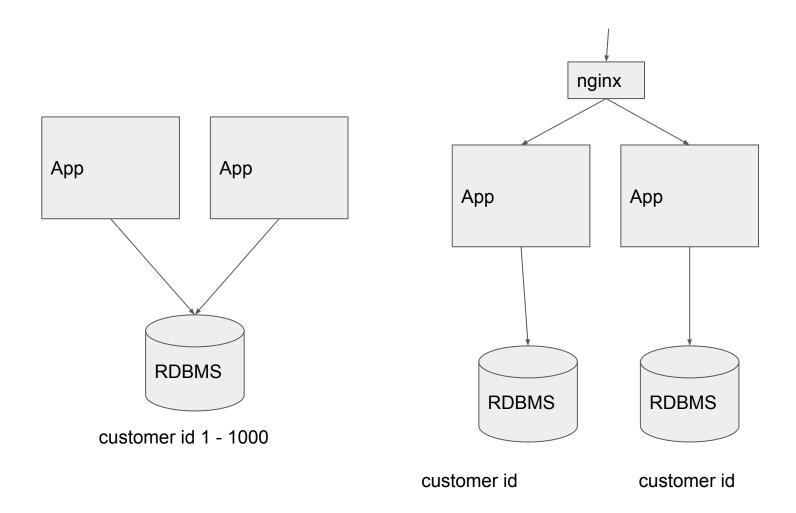
Container

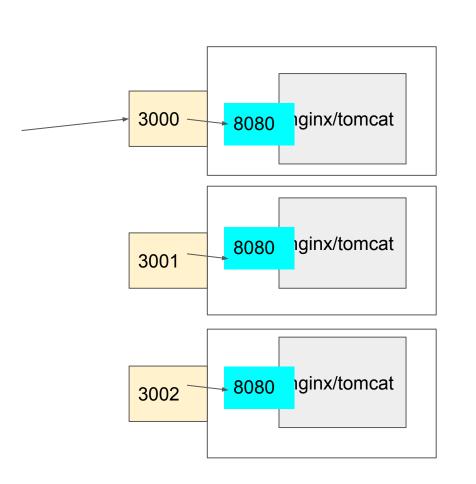
May 19 - 22

Day 1

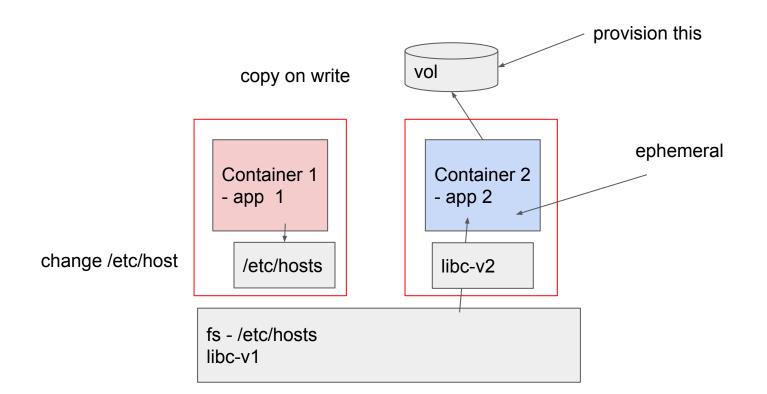


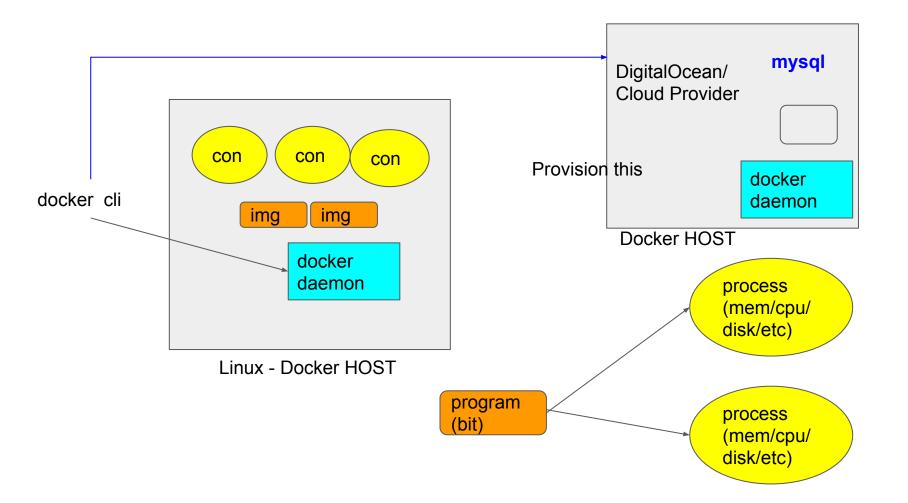
stateless application





immutable infra





docker-machine - provision a remote docker host

docker-machine env <name> - to get the config

docker

Build - docker build -t <acct_name>/<app_name>:v1 .

Examine image - docker images

Run - docker run -d -p <ext port>:<cont port> --name <cont_name> <acct_name>/<app_name>:v1

Ps - docker ps -a

Log - docker logs <container-name>

Exec - docker exec -ti <cont-name> Is

Test mysql

```
docker exec -ti <mysql-cont> bash
mysql -uroot -p<password>
show databases;
use northwind;
show tables;
exit;
```

mysqladmin ping -uroot -p<password>

will return 0 - OK, or non 0 - failed

docker network create mynet

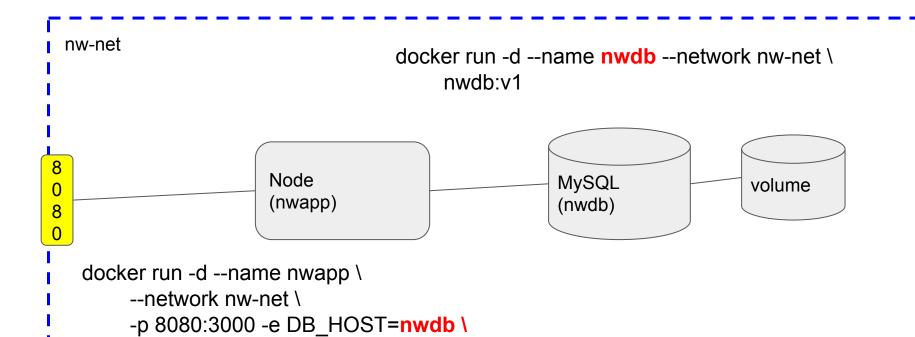
a-name becomes an entry in DNS in mynet

run the container inside the network - DNS

docker run -d --network mynet --name a-name ...

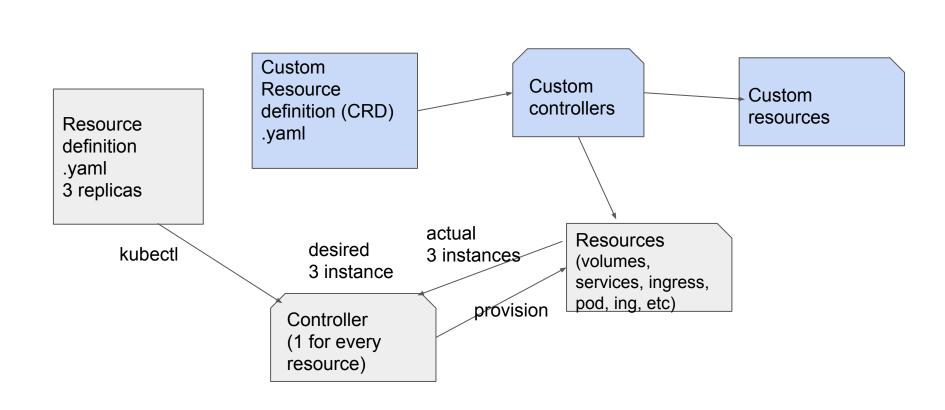
docker run -d --network mynet --name b-name ...

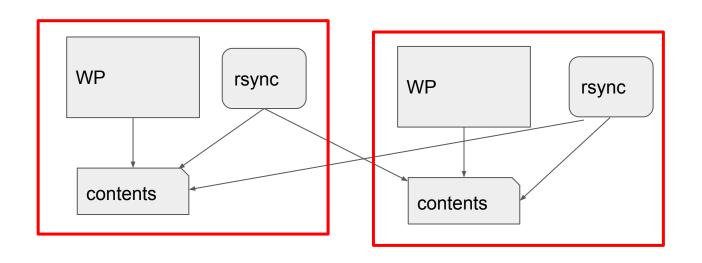
docker run -d --network mynet --name c-name ...

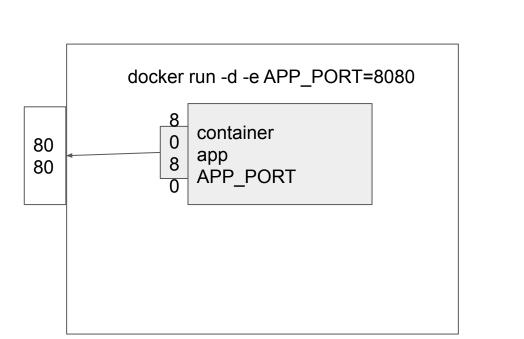


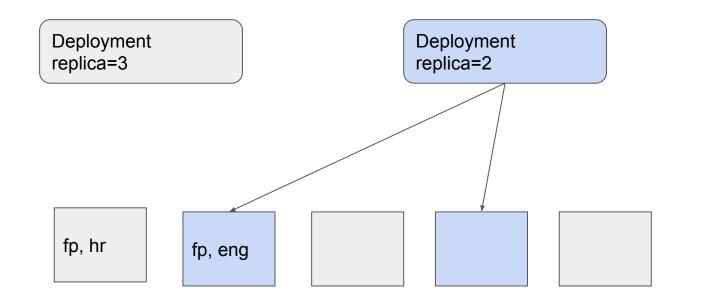
nwapp:v1

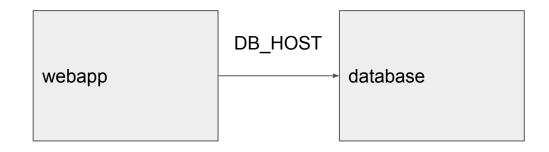
Day 2

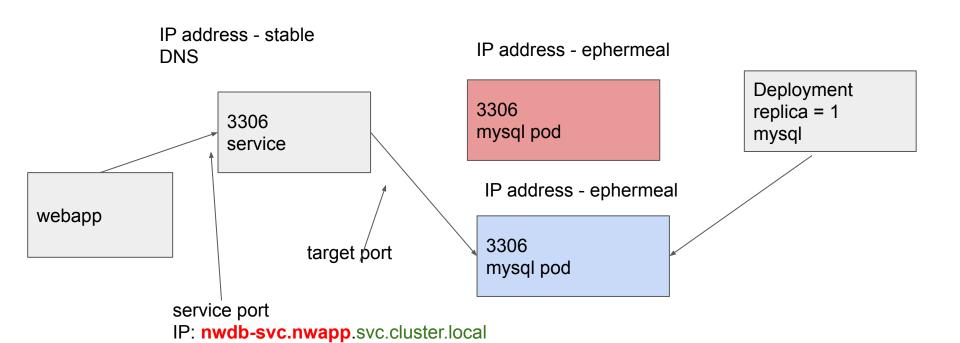


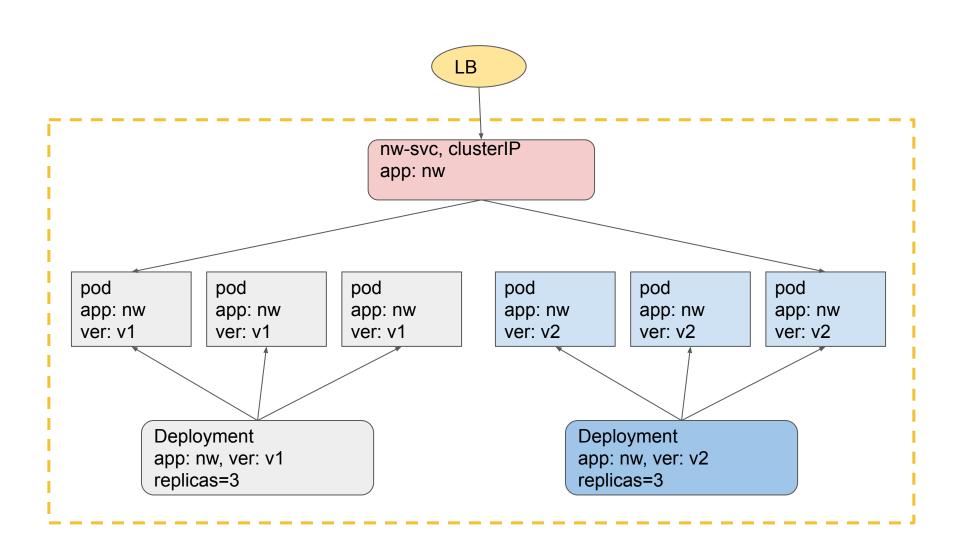




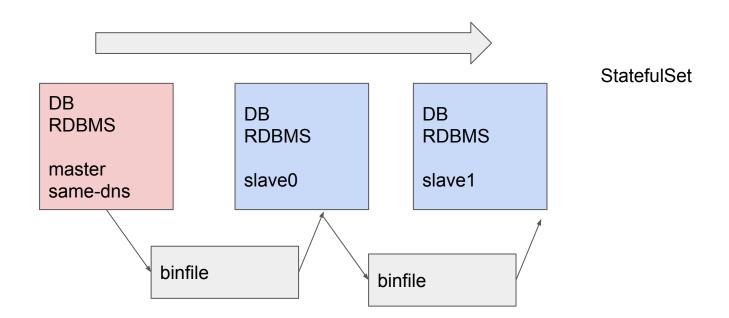


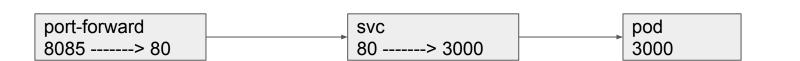




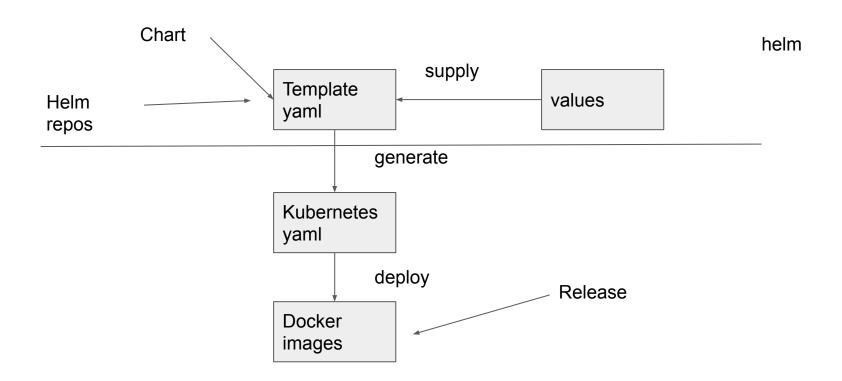


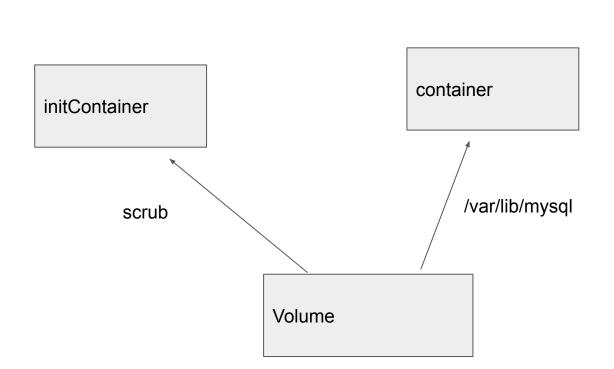
MySQL Cluster

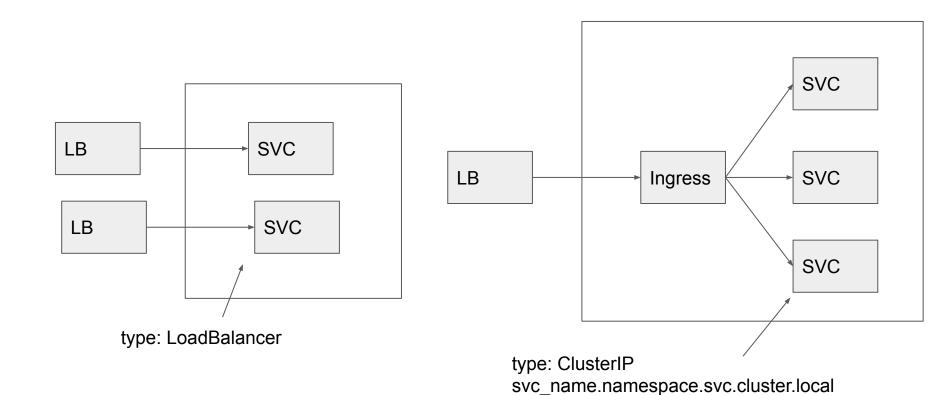


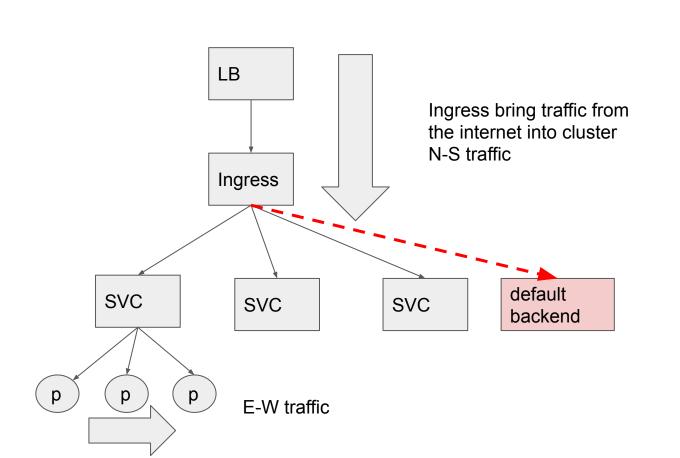


Helm





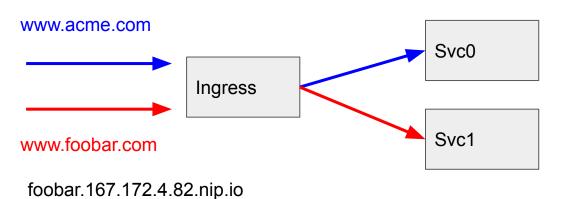


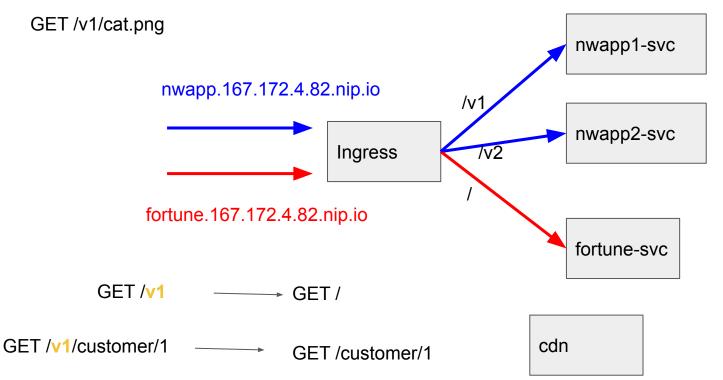


HTTP Request

Host: acme.167.172.4.82.nip.io

acme.167.172.4.82.nip.io





<img src="http://cdn.cc</pre>

Day 4

master-slave peer

MySQL Cluster

Install MySQL operator

- CRD for cluster

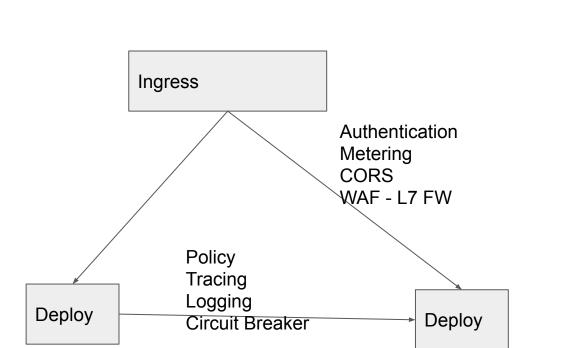
CRD to install cluster

- 3 services - 1 service master, 1 service replica, 1 service mysql cluster

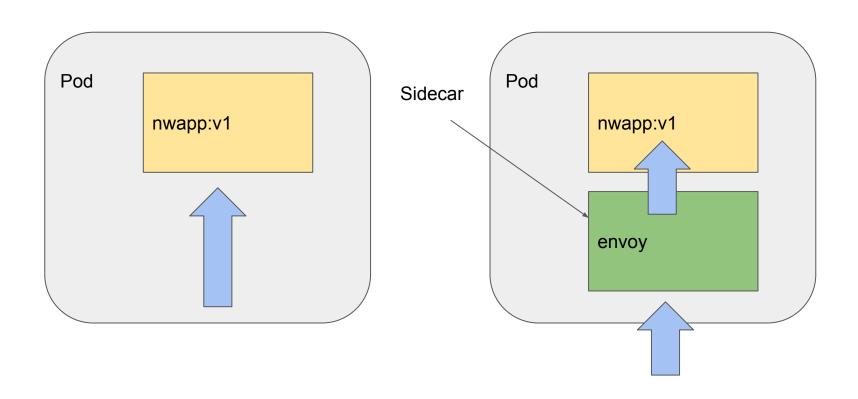
Create DB in the master

- Copy sql files into master, install
- Create cluster, is to restore backup

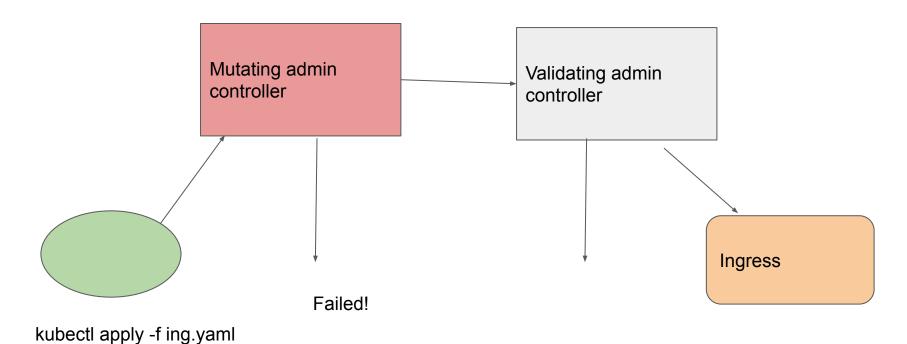
Configure your application to use the cluster

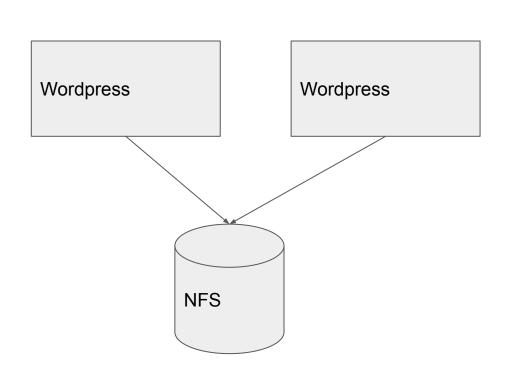


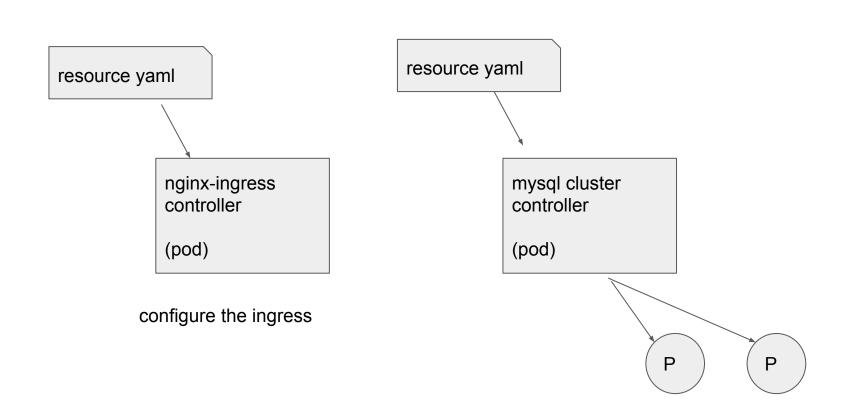
Sidecar

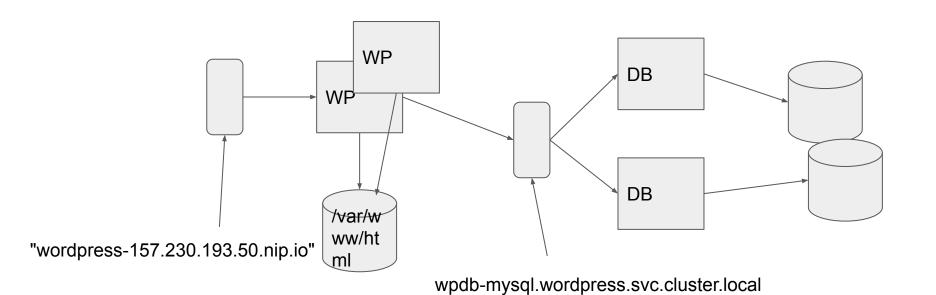


Admission Controller









Lunch Resume at 1330