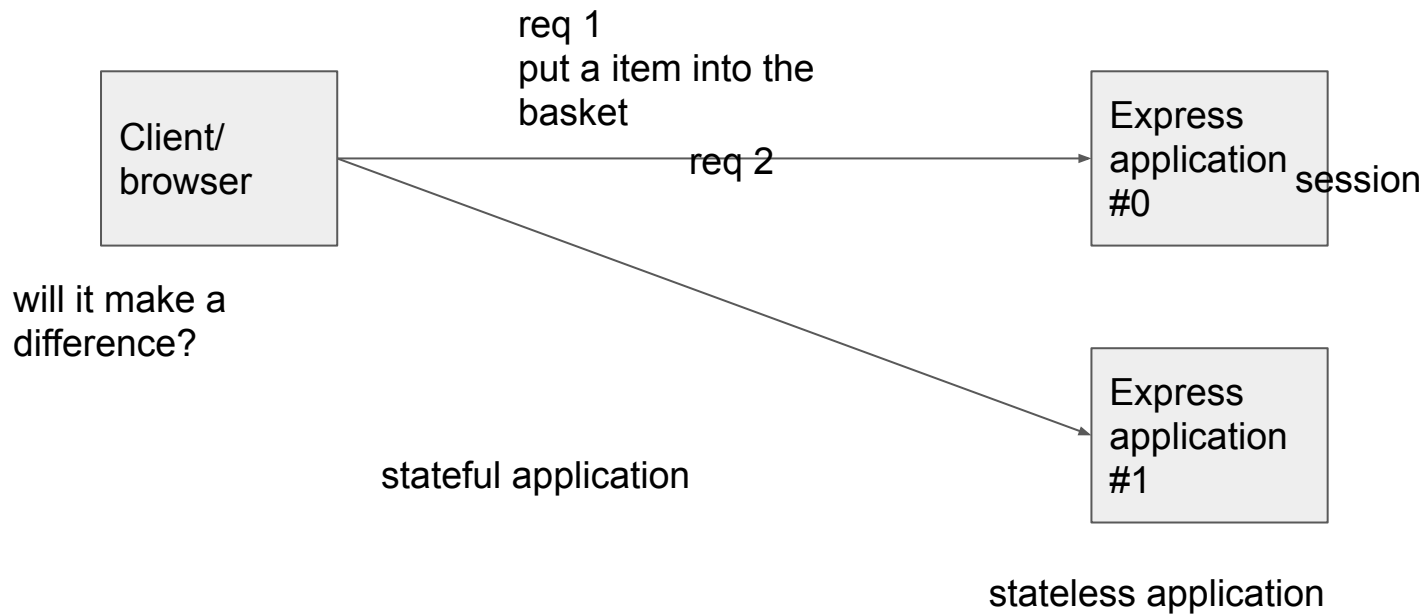
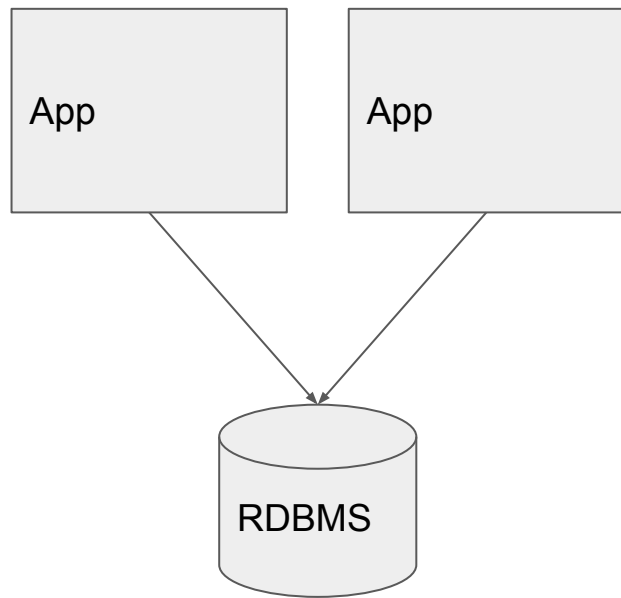


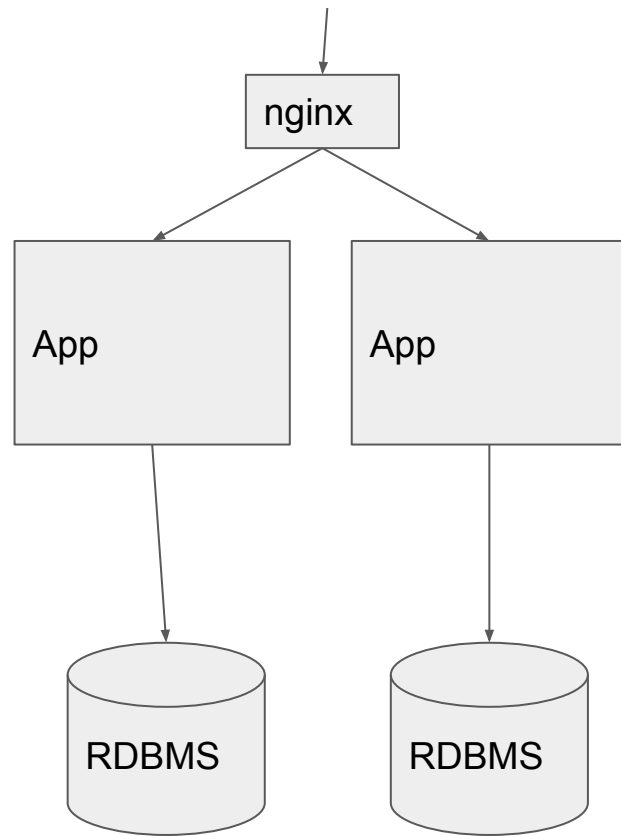
# Container

May 19 - 22



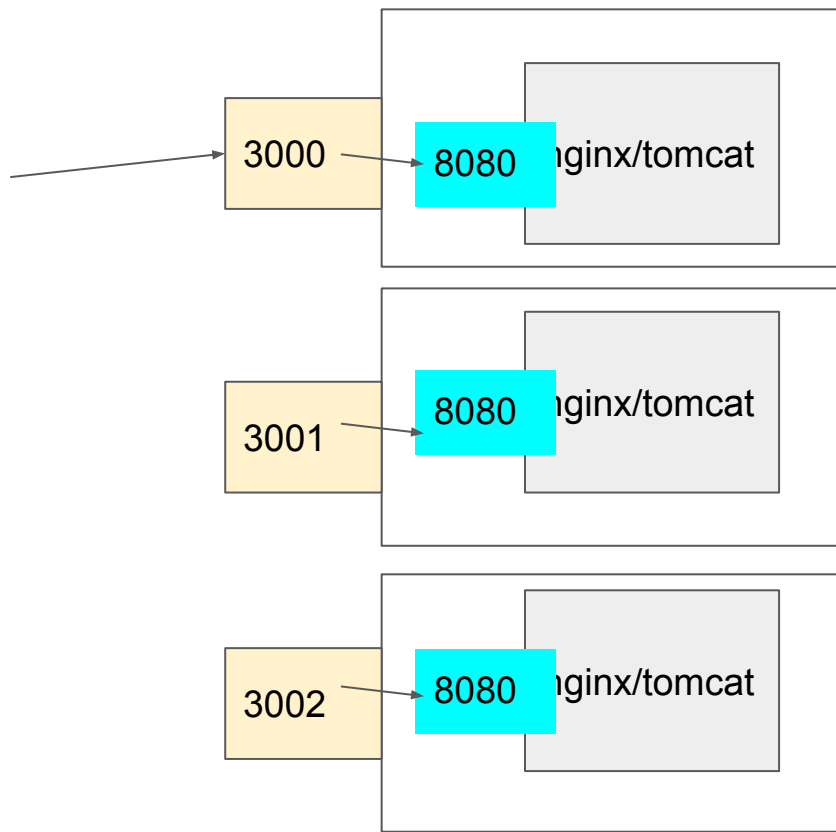


customer id 1 - 1000

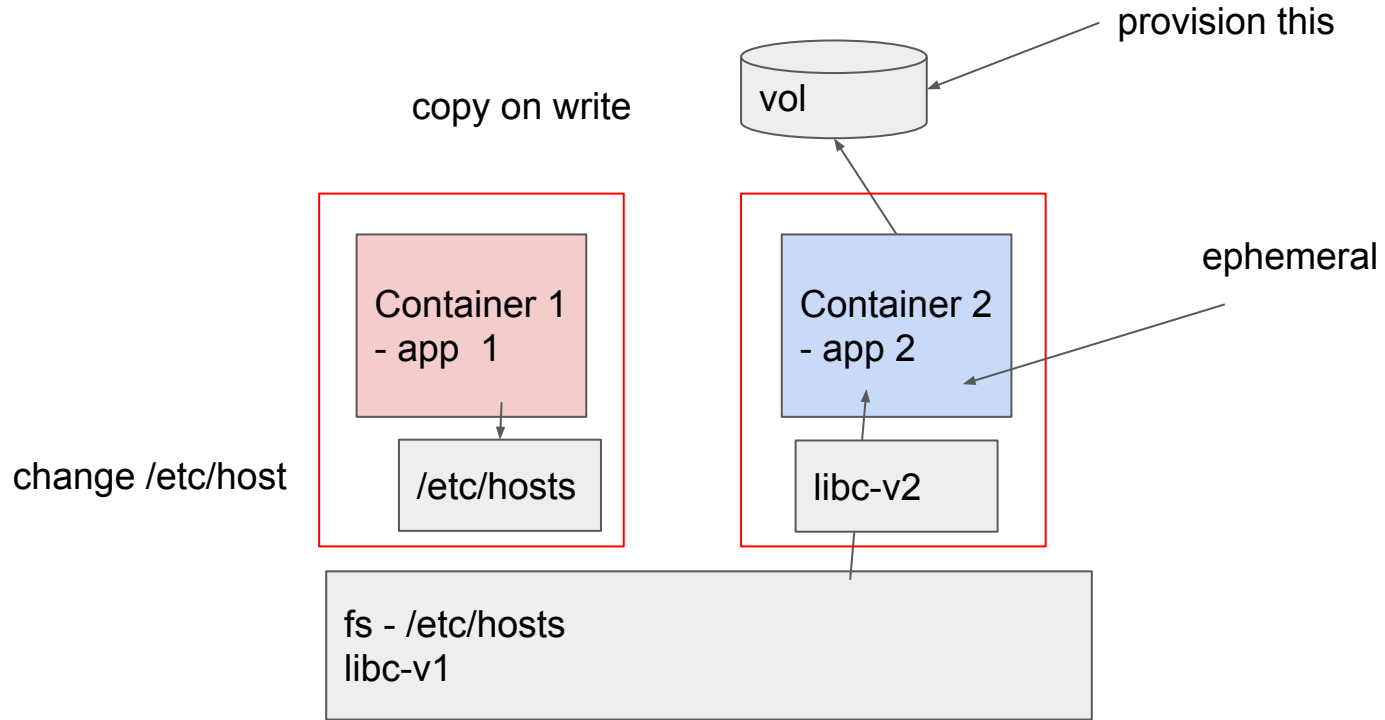


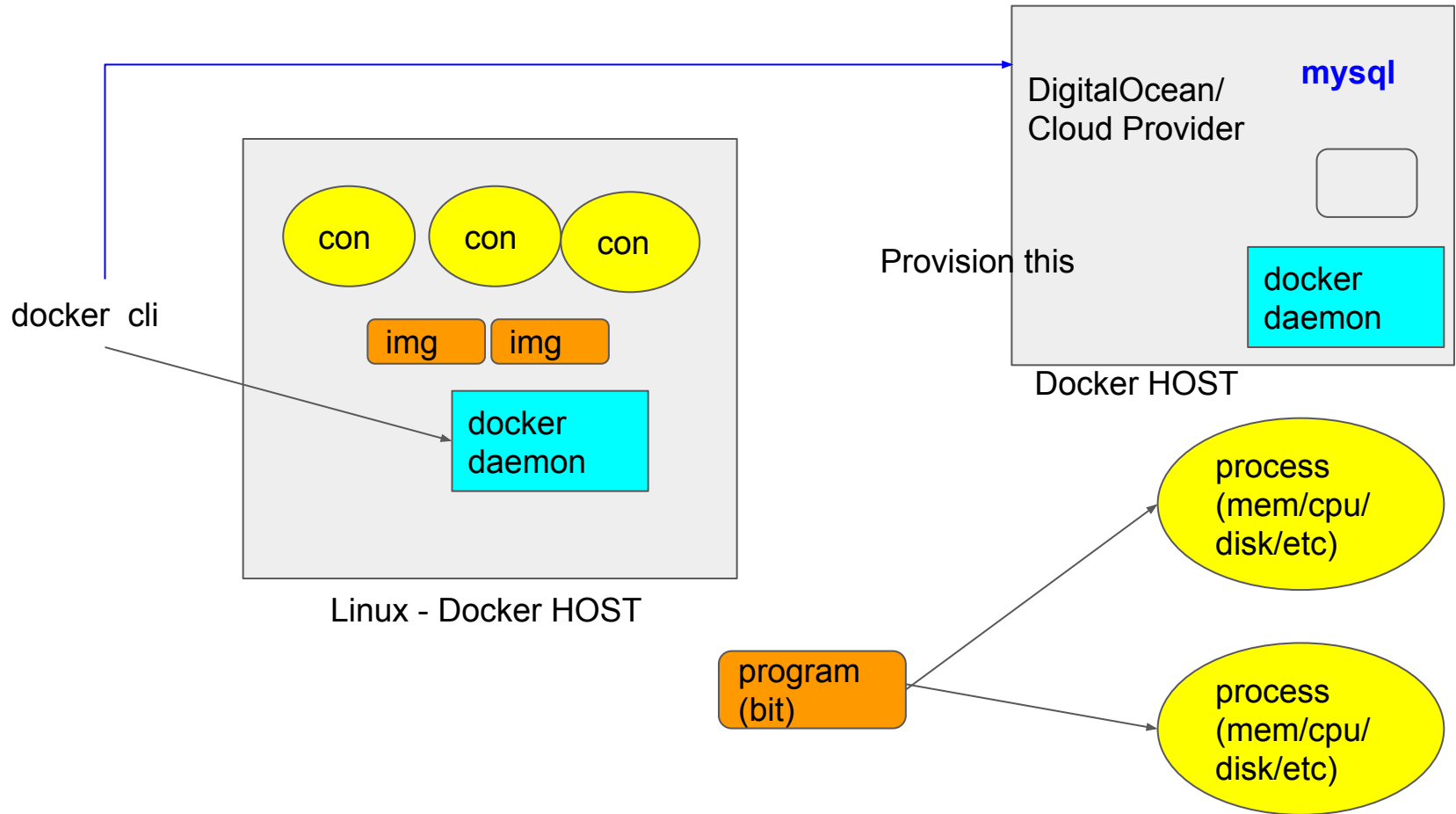
customer id

customer id



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> ls`



# 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 ...
```

nw-net

```
docker run -d --name nwdb --network nw-net \  
nwdb:v1
```

8  
0  
8  
0

Node  
(nwapp)

MySQL  
(nwdb)

volume

```
docker run -d --name nwapp \  
--network nw-net \  
-p 8080:3000 -e DB_HOST=nwdb \  
nwapp:v1
```

Lunch  
Resume at 1315