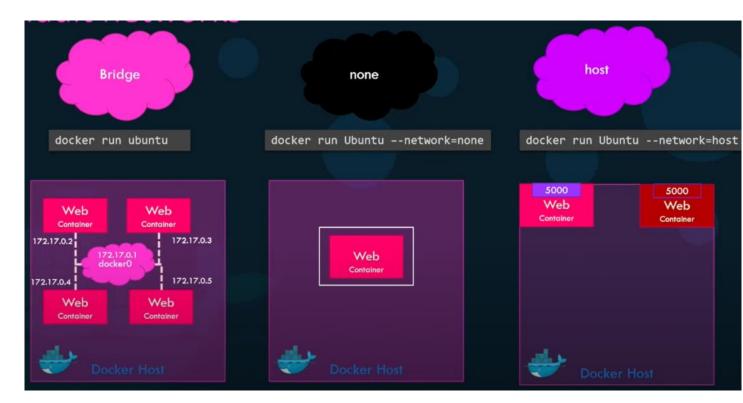
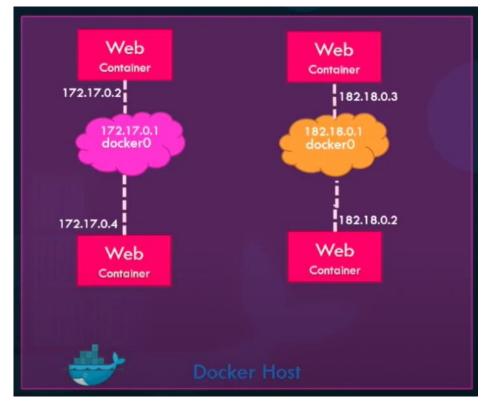
### Default networks



User-defined networks
docker network create \
 --driver bridge \
 --subnet 182.18.0.0/16
custom-isolated-network

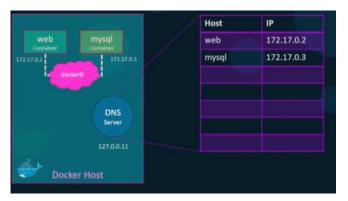
// List networks with docker network Is



docker inspect blissful\_hopper

### **Embedded DNS**

mysql.connect(mysql)



# **Docker Storage**

28 February 2022

00.3

#### File System

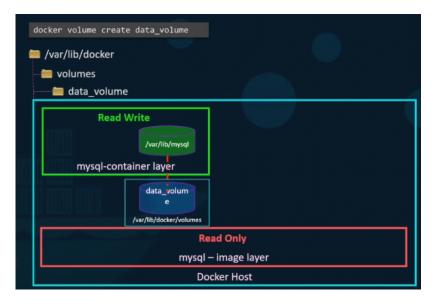








When container is stopped and removed the changed app.py and temp.txt gets removed as well. So what if we want the data to persist? docker volume create data\_volume docker run -v data\_volume:/var/lib/mysql mysql



```
docker run -v data_volume:/var/lib/mysql mysql

docker run -v data_volume2:/var/lib/mysql mysql

docker run -v /data/mysql:/var/lib/mysql mysql

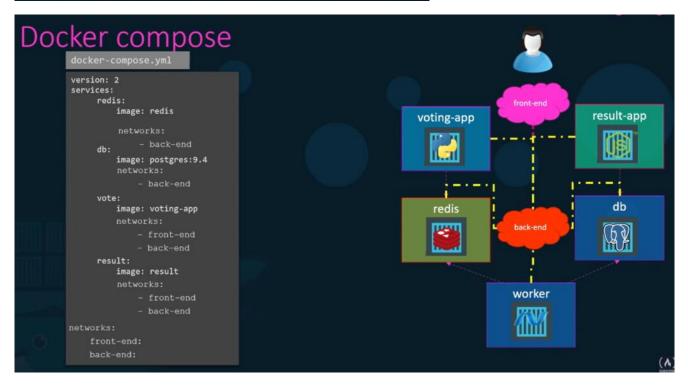
docker run \
--mount type=bind,source=/data/mysql,target=/var/lib/mysql mysql
```



```
After we have a list of these docker commands, creating a yaml file is easy
******************docker-compose.yml*
redis:
     image:redis
db:
     image:postgres:9.4
vote:
     image:voting-app
     ports:
          -5000:80
     links:
          -redis
result:
     image:result-app
     ports:
          -5001:80
     links:
          -db
worker:
     image:worker
     links:
          -redis
          -db
docker-compose up -d
If we haven't created an image for docker for our project we can instead use the following in docker
redis:
     image:redis
db:
     image:postgres:9.4
vote:
     build:./voting-app
     ports:
          -5000:80
     links:
          -redis
```

Docker compose -versions



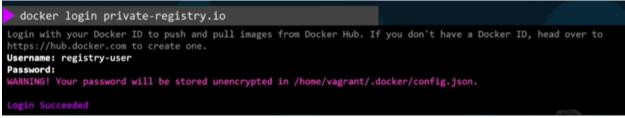


# Registry

01 March 2022 08:45



## **Private Registry**



docker run private-registry.io/apps/internal-app

### **Deploy Private Registry on Premise**

ocker run -d -p 5000:5000 --name registry registry:2

docker image tag my-image localhost:5000/my-image

docker push localhost:5000/my-image

docker pull localhost:5000/my-image

docker pull 192.168.56.100:5000/my-image

# Docker Engine

01 March 2022 08:48

