

Docker network

none

HOST

bridge

127.0.0.1

127.0.0.1  
HostIP 10.0.0.3

127.0.0.1  
172.17.0.3

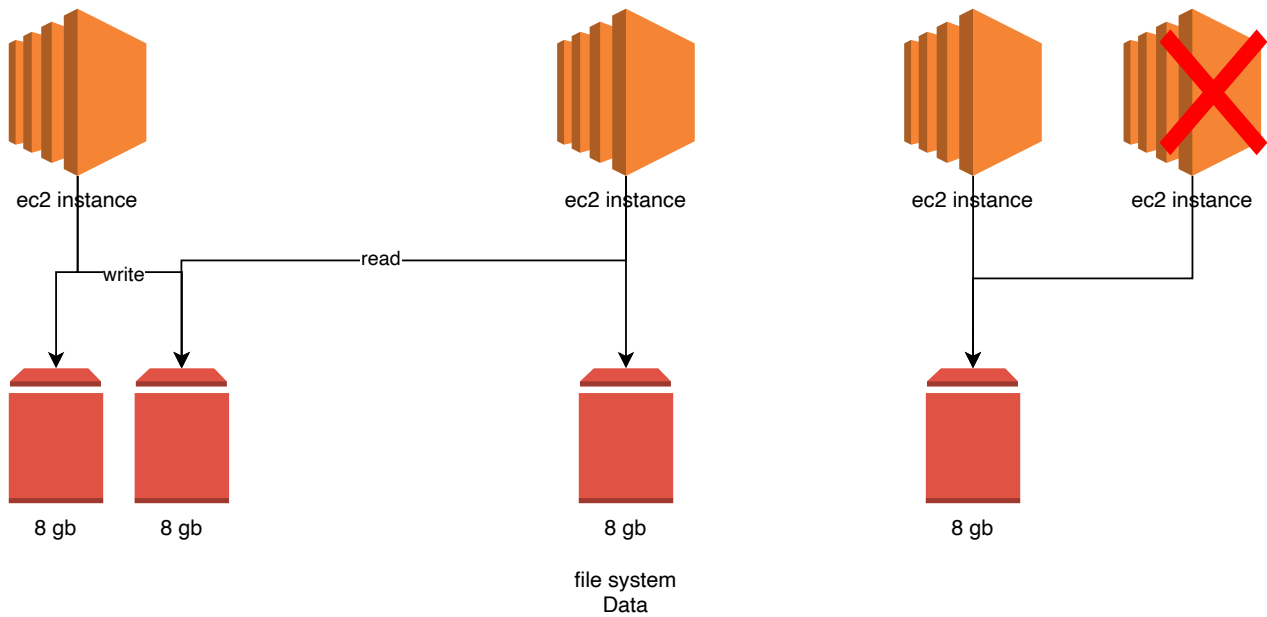


127.0.0.1  
172.17.0.2

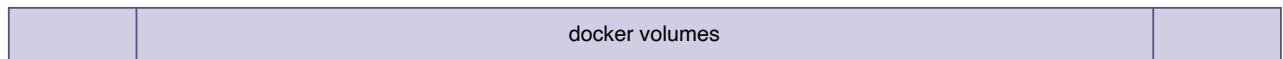
docker network

- create
- inspect
- connect
- disconnect
- rm/prune

## Docker volumes



## named volume

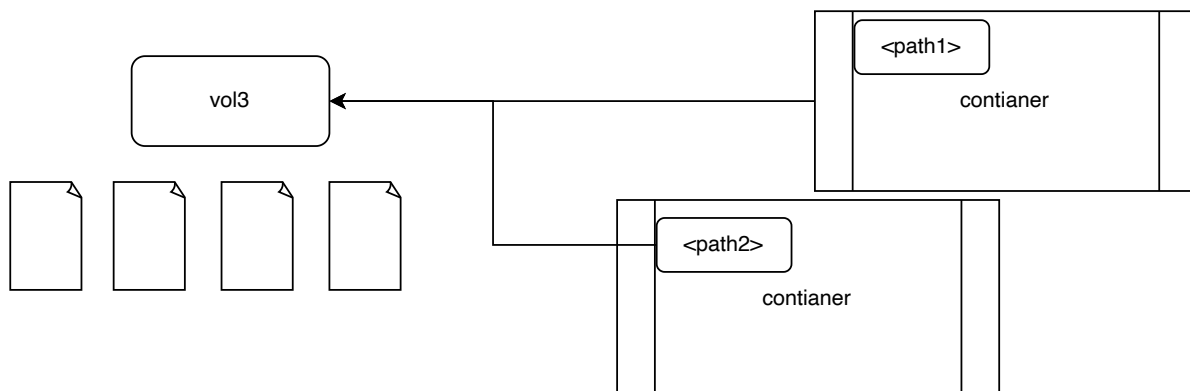


vol1

vol2

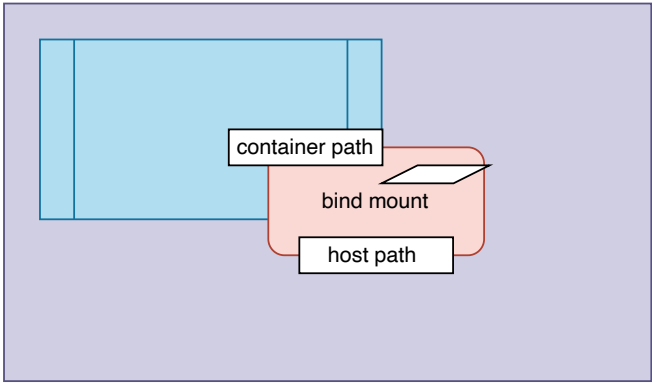
vol3

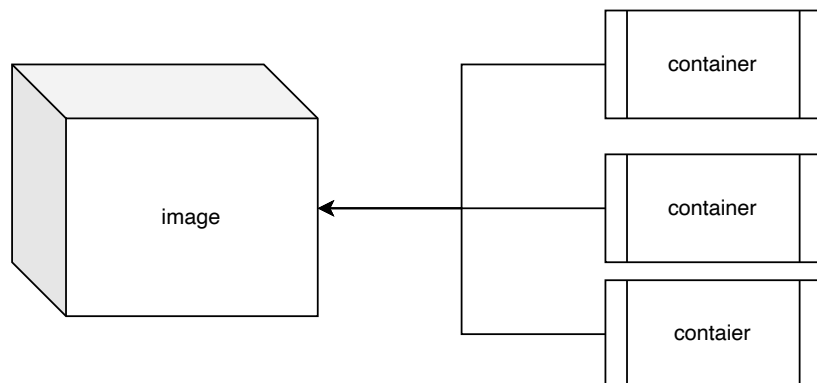
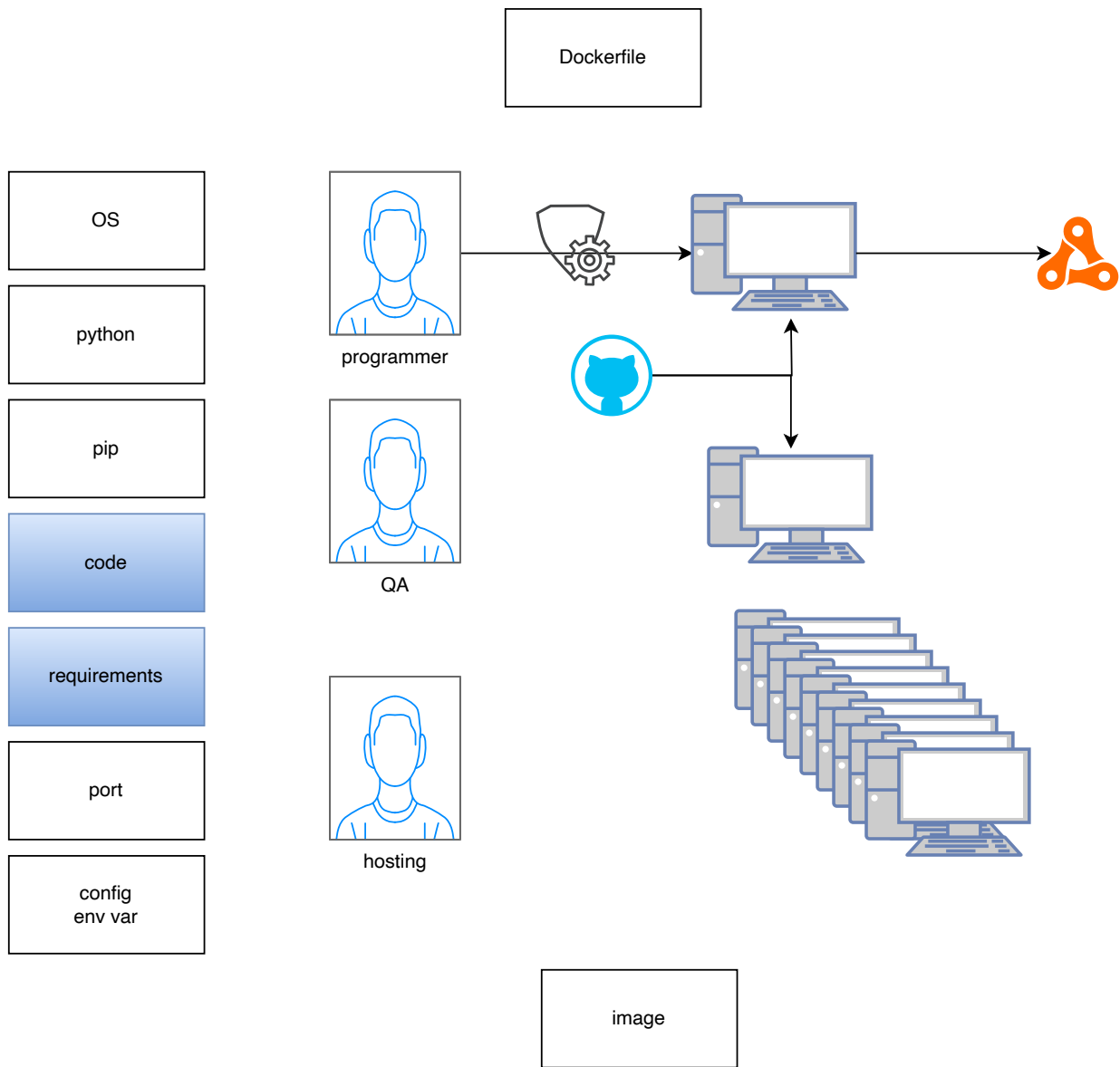
docker run \*\*\*\*\* -v vol3:<path> \*\*\*\*\*



bind mount

docker run \*\*\*\*\* -v path:path \*\*\*\*\*





Docker images

- env if needed
- port exposing
- Copy the code and the requirements
- Run os commands
- package manager
- python version - java .... env
- os

movies api

docker build -t image-name .

- app
  - main.py
  - requirements.txt
  - venv
  - Dockerfile

- FROM base image
- WORKDIR path in container {mkdir && cd }
- COPY copy from host to images
- ADD copy from web to images
- RUN run os commands
- ENV environment variable
- EXPOSE block the port for another apps
- USER
- CMD
- ENTRYPOINT