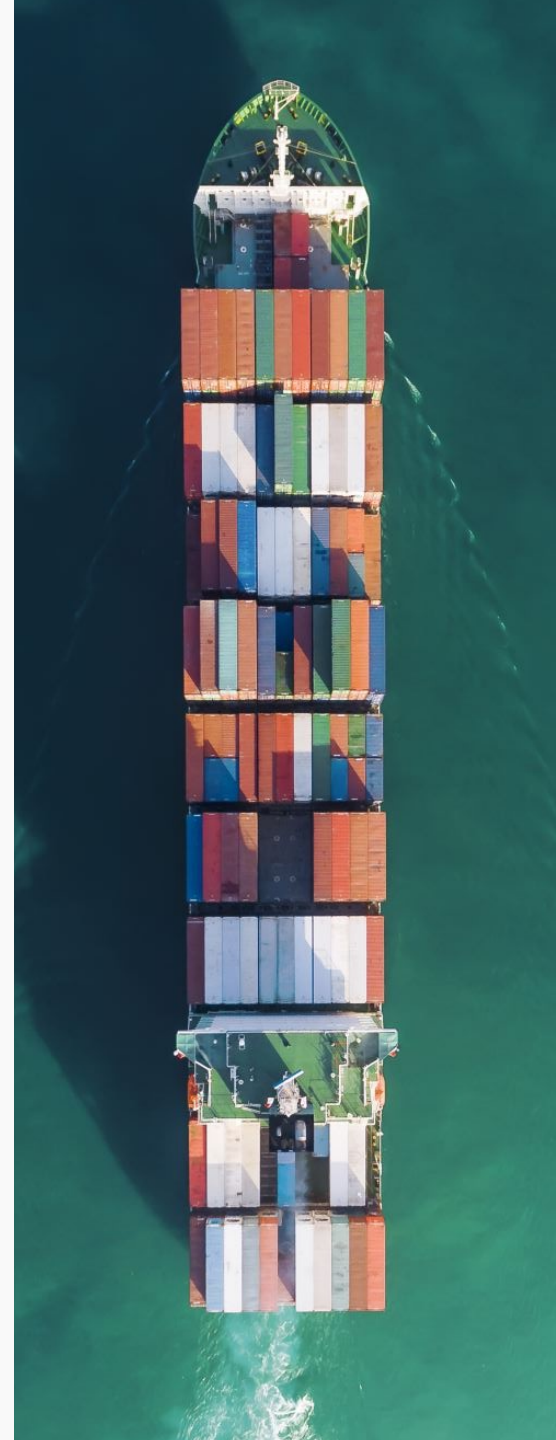


kokchun giang

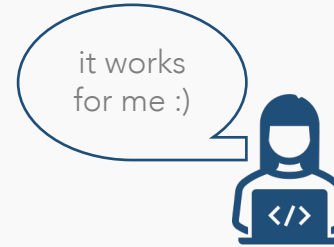
docker containers to isolate environments



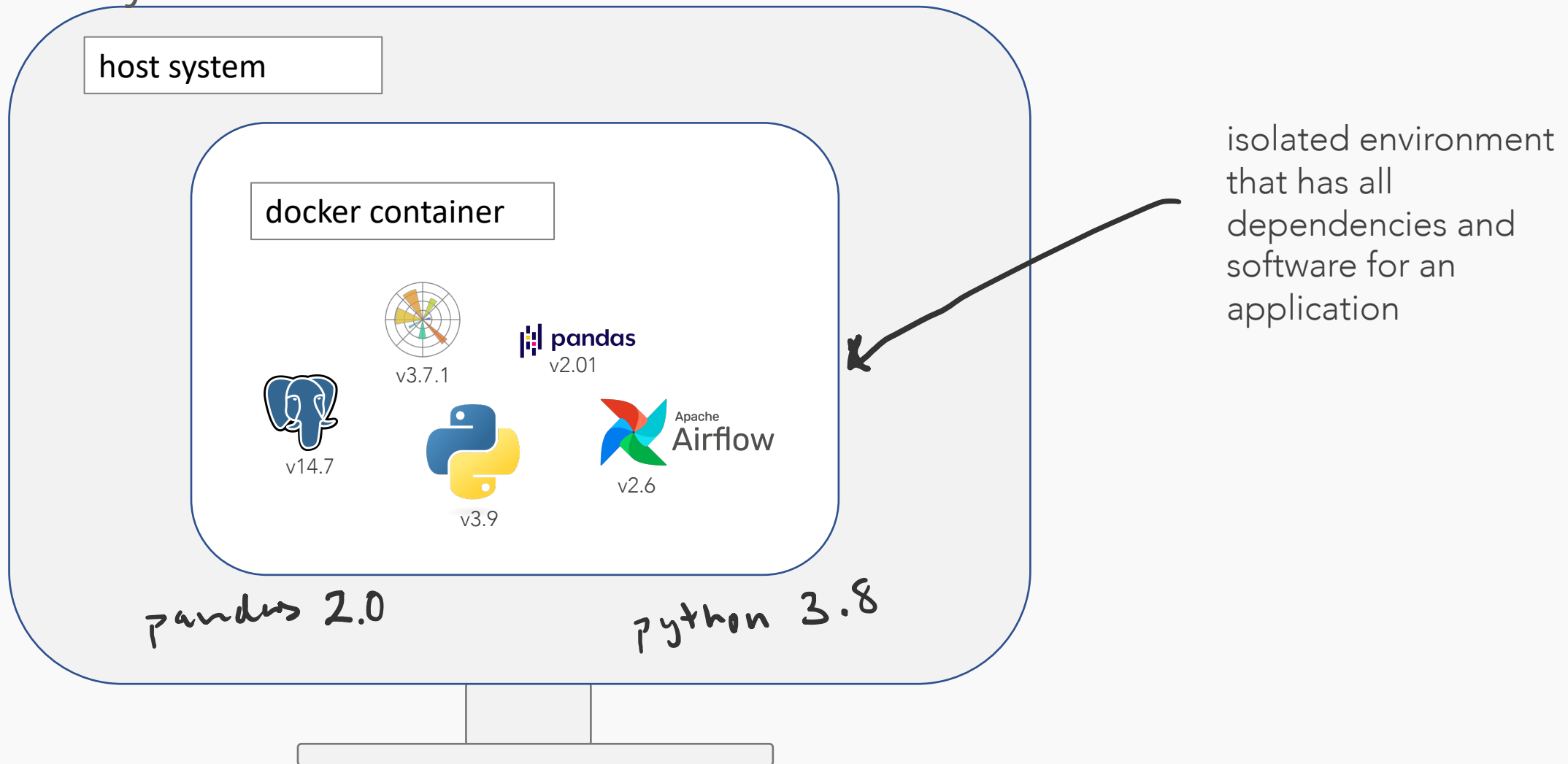
we need to setup the same **development environment**



install different softwares
and packages
(examples)



what if there was an **environment** that works for everyone?



creating a **docker container** from scratch



dockerfile



docker
image



docker
container

instructions
to create image

spins up
a container
from image

sharing **docker images** to your friend

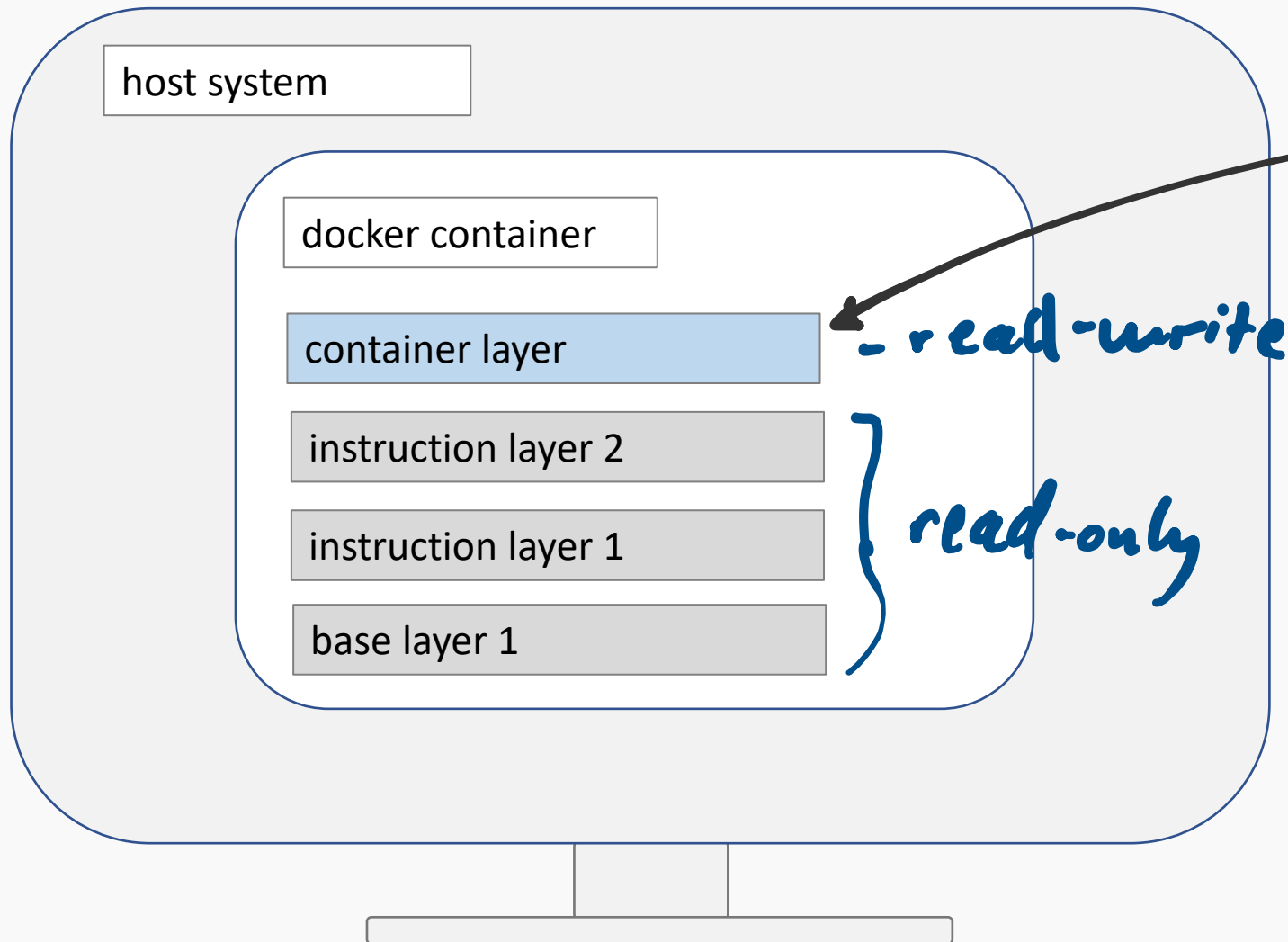


docker
image

← can be shared
to other computers

↓
can spin up docker
container with same
development environment

where is my **data**?



data stored here during
lifetime of container

data doesn't
persist when
container shut down

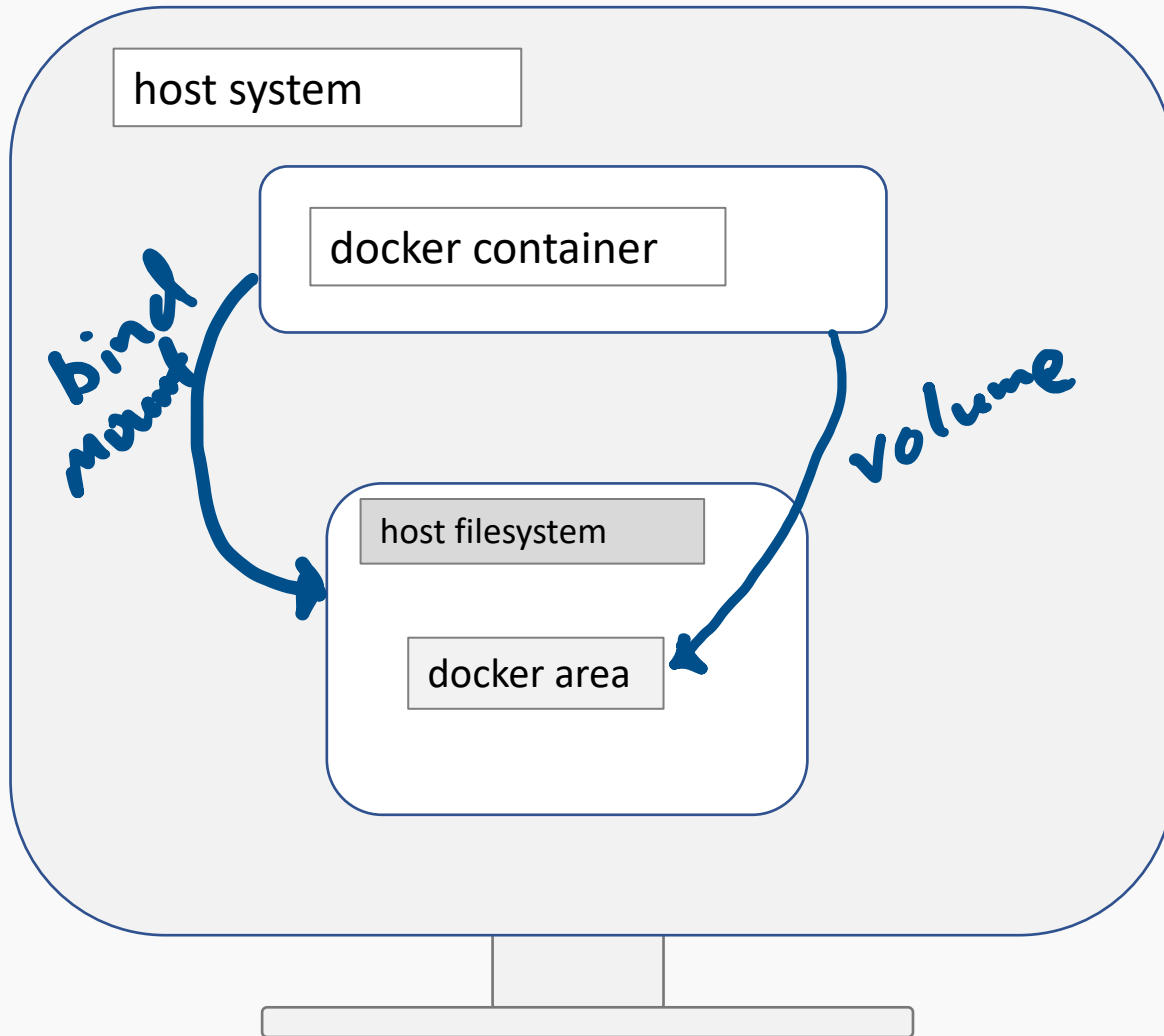
volumes & bind mount to persist data

volumes

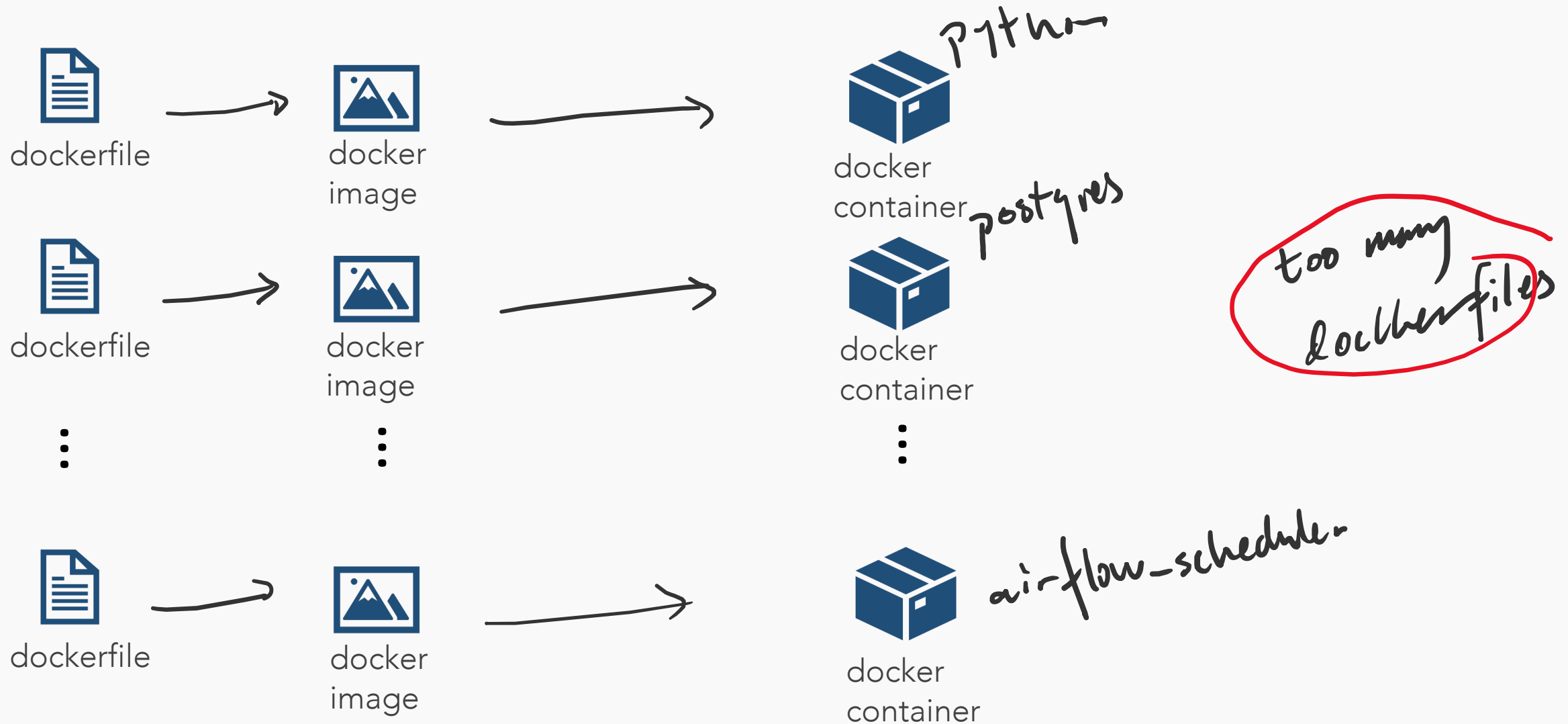
Stored in certain place
in host & managed
by docker

bind mounts

stored anywhere in
host filesystem



separate into several **docker containers** for scalability



creating multiple **docker containers** using docker-compose

