



Your code doesn't work

But it works on my machine!



Installed all the dependencies?

What about

Configurations

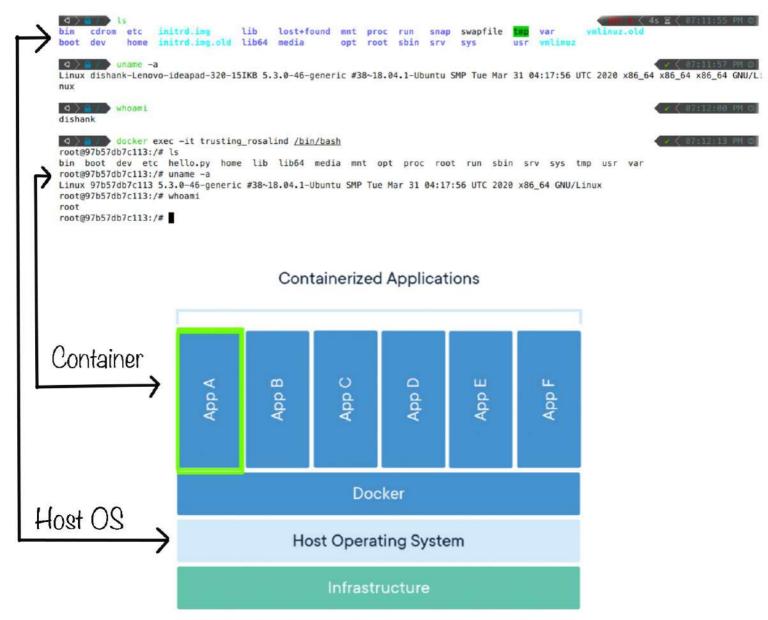
Scalability

Security

Just use DOCKER!



Docker provides an isolated environment to separate your code from the infrastructure



Credits: https://www.docker.com/resources/what-container



This seems so cool but how to run a container?

Before running, we need to build a Docker image



Sending build context to Docker daemon 3.584kB

Step 1/3: FROM python:3
---> 6feb119dd186

Step 2/3: COPY sample_app//
---> Using cache
---> 4c851ed8a29c

Step 3/3: ENTRYPOINT "/bin/sh"
---> Using cache
---> a89793a141d7

Successfully built a89793a141d7

Successfully tagged oszine:latest

- Stepl: Pulling an existing image
 (Here python: 3 is an Ubuntu image with python installed)
 The image is fresh with no dependency issues
- Step 2: Copy your code into the image Dump all the code you want to use here!
- Step 3: ENTRYPOINT

 Commands the container will run on startup

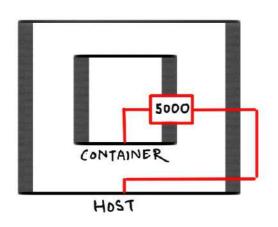
Great, now that our Docker image is built, let's start a container!



84ea7ebebc7ab9eb7f595c8da86b866e89f4388455a141f6d158b57c9f535ede

Flags

- -t is used to get a terminal
- -p allows port forwarding

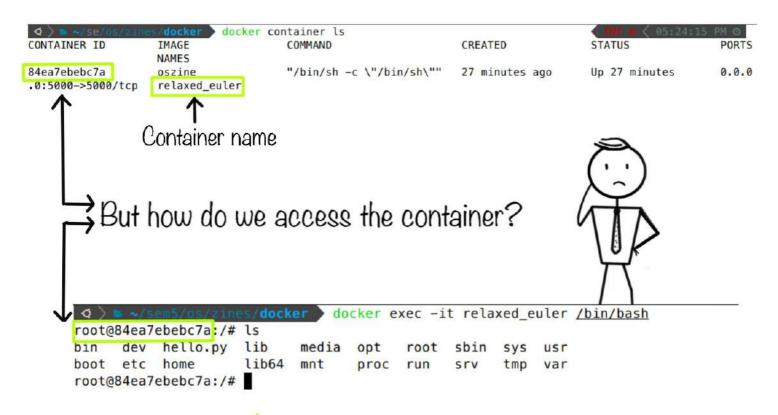


This allows the host to see the container's contents on port 5000

- -d is used to run the container in the background
- Oszine is the name of the image from which the container is run



Our container is now running!



Docker exec

- It executes your given commands inside the container
- Here we execute the /bin/bash command to get an interactive shell