Introduction to Docker



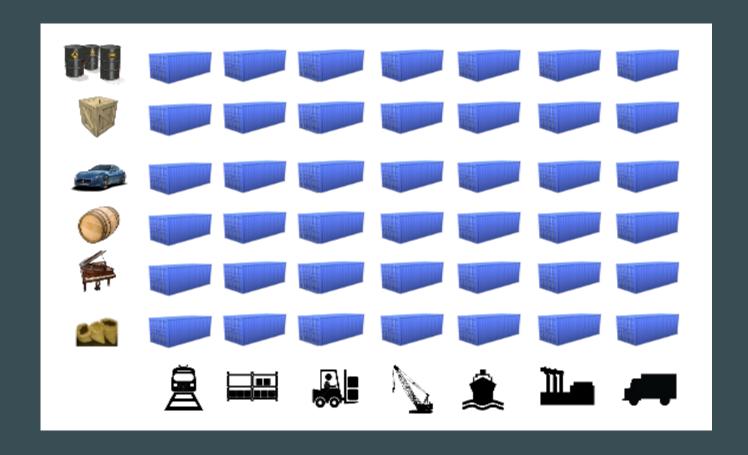
Structure

- General
- Basic Commands
- Docker-Compose
- Tutorial

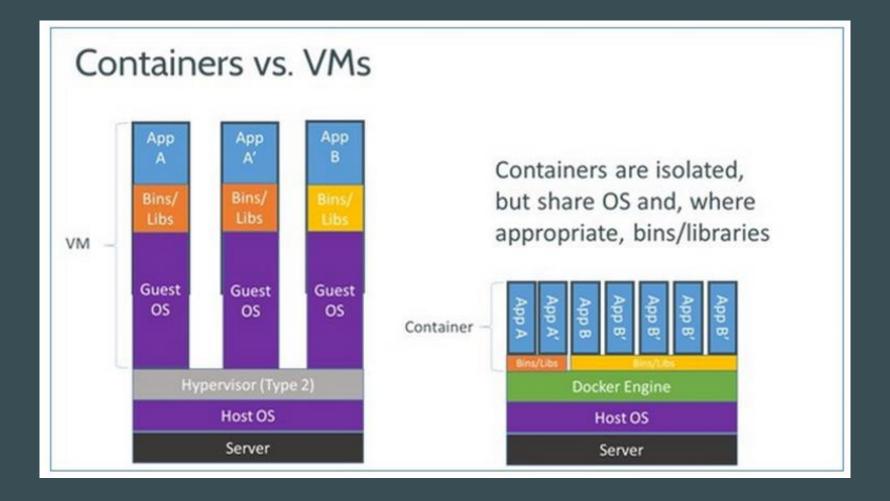


- Open Source
- Founded in 2009
- Since 2013 public
- Written in Go
- Apache 2.0 Licence











Docker Hub

- A cloud service for sharing applications and automating workflows
- most of the images are shared on Docker Hub

Docker Registry

- base of Docker Hub
- self hosting for private images

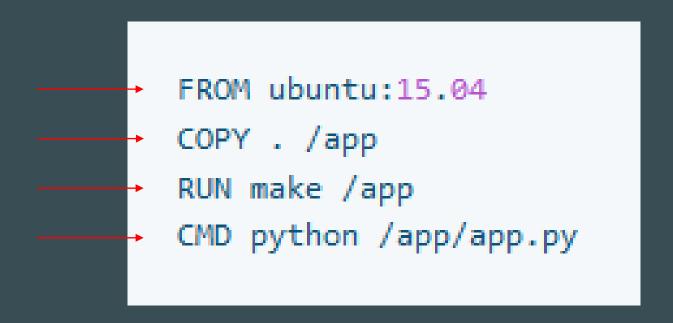


Docker File

- configure your own image
 - select base image
 - copy files
 - create users
 - set port mappings



Layers



docker run



docker create



docker images



docker ps



docker kill



docker restart



docker rm



docker rmi



docker stop



docker build



docker pull



docker push



docker commit



docker stats



Docker-Compose

"Compose is a tool for defining and running multi-container Docker applications." (Docker Inc., https://docs.docker.com/compose/)

- Configuration in .yaml file
- run multiple containers with one command
- configure port mappings



Tutorial

Basic functions of docker and docker-compose

