DOCKER IMAGE

- BUILDING BLOCK OF DOKER WORLD
- LUNCH CONTAINER FROM IMAGE
- IMAGE IS THE "BUILD" PART OF DOCKER LIFE CYCLE
- FILESYSTEM WITH SEQUENCE OF INSTRUCTIONS, EG. ADD FILE, RUN CMD OPEN PORT, ...
- "IMAGES ARE SOURCE CODES FOR YOUR CONTAINERS"

REGISTERS

- DOCKER STORES IMAGES IN REGISTERS
  - PUBLIC - DOCKER HUB
  - PRIVATE

CONTAINERS

- CONTAINERS ARE RUNNING INSTANCES OF IMAGES
- ONE IMAGE CAN RUN AS MULTIPLE CONTAINERS
- CONTAINER IS:
  - AN IMAGE FORMAT
  - A SET OF STANDART OPERATIONS
  - AN EXECUTING ENVIROMENT
- CONTAINERS CAN BE {
  - START
  - STOP
  - DEPLOY
  - ....

DOCKER COMMANDS

DOCKER INFO

- TELL SOME STATE INFORMATIONS

DOCKER RUN -I -T UBUNTU /BIN /BASH

- RUN /BIN /BASH IN UBUNTU IMAGE
- -I -T IS FOR TTY INPUT
- --NAME - NAME THE CONTAINER

DOCKER PS

- SHOW DOCKER ~~PROCESSES~~ CONTAINERS
- -A - SHOW ALL (WITH EXITED)
- -L - SHOW LAST (RUNNING OR STOPPED)
- -Q - SHOW ONLY IDS (FOR ~~A~~ DOCKER RM COMMAND)

DOCKER START <NAME/ID>

- RUN CONTAINER
- YOU CAN REPLACE START WITH:
  - STOP
  - RESTART

DOCKER ATTACH <NAME/ID>

- GET INTO CONTAINER
- GET TO RUNNING COMMAND (BASH, PYTHON, APP)

DOCKER LOGS <NAME/ID>

- SHOW ~~STD~~ OUTPUT
- -F - LIKE TAIL -F (REALTIME OUTPUT)
- -T - ADD TIME INFORMATION

DOCKER TOP <NAME/ID>

- SHOW RUNNING PROCCESSES IN CONTAINER

DOCKER INSPECT <NAME/ID>

- RETURN JSON WITH ALL INFORMATIONS ABOUT CONTAINER
- -F | --FORMAT -CAN SELECT PART OF THE JSON, EG: --FORMAT '{{.State.Pid}}'

DOCKER RM <NAME/ID>

- REMOVE CONTAINER

DOCKER RM `DOCKER PS -Q -A`

- REMOVE ALL CONTAINERS