Course 1 - 7 Docker

Cheat sheets

<https://www.docker.com/sites/default/files/d8/2019-09/docker-cheat-sheet.pdf>

<https://dockerlabs.collabnix.com/docker/cheatsheet/>

## Containers Evolution



# Docker vs VM



## Docker Persistence





## Docker Port Mapping



# Building your custom image

Here is a sample Dockerfile

#This is a sample Image

FROM ubuntu

MAINTAINER me@example.com,

RUN apt-get update && \

apt-get install -y nginx

Build it

$ docker build . -t my-ubuntu

Run it

$ docker run -it my-ubuntu

Sign up to Dockerhub

Publish your custom image

# Bonus Projects

### Deploy an Website using Docker

- Run Apache webserver docker

- Access the page

- customize the index.html

### Run MySQL as a Docker

- Bring up MySQL as a docker (https://hub.docker.com/\_/mysql)

- Connect to mysql instance

- and create a database

### MySQL + Adminer

- Create a docker-compose file to bring up mysql and adminer

- See if you can access adminer ui

- create a db using adminer UI

- https://hub.docker.com/\_/mysql

- https://www.adminer.org/

- https://hub.docker.com/\_/adminer/