**Docker:**

[**https://github.com/in28minutes/docker-crash-course/**](https://github.com/in28minutes/docker-crash-course/)

>docker run **-p 5000:5000** in28min/todo-rest-api-h2:1.0.0.RELEASE

>docker container run **-p 5000:5000** in28min/todo-rest-api-h2:1.0.0.RELEASE (above one is same )

>docker run **-p 5001:5000** in28min/todo-rest-api-h2:1.0.0.RELEASE (Another container running)

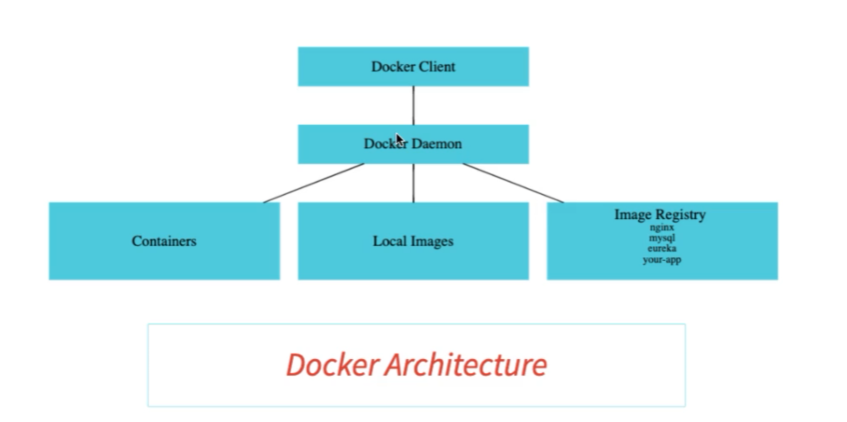
>docker run -p 5000:5000 **-d** in28min/todo-rest-api-h2:1.0.0.RELEASE

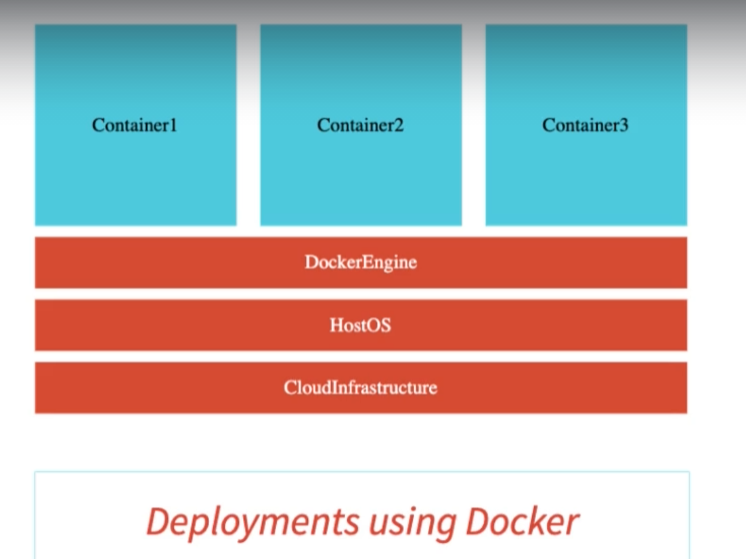
>docker logs -f <id of the container >

>docker container ls

>docker images

>docker container stop <id of the container>





>docker tag in28min/todo-rest-api-h2:1.0.0.RELEASE in28min/todo-rest-api-h2:1.0.0.latest (new image)

>docker pull mysql (mysql image)

>docker search mysql

>docker image history

>docker container stop <id of the container>

>docker container kill <id of the container >

>docker container pause <id of the container> (Stope serving)

>docker container unpause <id of the container> (resuming)

>docker container inspect <id of the container>

>docker container prune (remove all the stopped container)

>docker events

>docker top <id of the container>

>docket stats

>docker run -m 512mb –cpu-quota 5000

>docker system df

**Build docker manually:**

* Building an Image
* Build a Jar - /target/hello-world-rest-api.jar
* Setup the Prerequisites for Running the JAR - openjdk:8-jdk-alpine
* Copy the jar
* Run the jar

**Command for doing this manual docker.**

* docker run -dit openjdk:8-jdk-alpine
* docker container exec naughty\_knuth ls /tmp (Naught\_knuth is container name )
* docker container cp target/hello-world-rest-api.jar naughty\_knuth:/tmp
* docker container exec naughty\_knuth ls /tmp
* docker container commit naughty\_knuth in28min/hello-world-rest-api:manual1
* docker run in28min/hello-world-rest-api:manual1
* docker container ls
* docker container commit --change='CMD ["java","-jar","/tmp/hello-world-rest-api.jar"]' naughty\_knuth in28min/hello-world-rest-api:manual2
* docker run -p 8080:8080 in28min/hello-world-rest-api:manual2

**Build docker Using docker File:**

FROM openjdk:8-jdk-alpine

EXPOSE 8080

ADD target/hello-world-rest-api.jar hello-world-rest-api.jar

ENTRYPOINT ["sh", "-c", "java -jar /hello-world-rest-api.jar"]

>docker build -t in28min/hello-world-rest-api:dockerFile

**Spotify plugin**

[**https://github.com/in28minutes/docker-crash-course/tree/master/01-hello-world-rest-api**](https://github.com/in28minutes/docker-crash-course/tree/master/01-hello-world-rest-api)

**.dockerFile**