Docker Cheat sheet 1- Basics

Containers & Network

1) To list your running docker containers , run the command

- ➢ **docker ps**

2) Let's start by running a Nginx container.

- ➢ **docker run --name my-test-nginx-container**

3) Check your container is running or not using the docker ps command.

4) To stop your container, run the following

- ➢ **docker stop my-test-nginx-container**

5) To Kill your container
- ➢ **docker rm my-test-nginx-container**

6) Check the list of default networks provided by docker, run
- ➢ **docker network ls**

7) Create a docker network by running the following

- ➢ **docker network create my-test-network --driver bridge**

8) To create and attach a container to a network run

- ➢ **docker run --name my-test-nginx2 --network my-test-network nginx**

9) Delete network and container

- ➢ **docker rm -rf my-test-nginx2**
- ➢ **docker network rm my-test-network**

10) To Expose the container port to the outside world , run

- ➢ **docker run --name my-test-nginx -p 8001:80 nginx**

Containers & Volumes

11) Create a volume by running the following command

- ➢ **docker create volume test-volume**

Attach the volume to a nginx container in the /home directory.

- ➢ **docker run --name testcontainer --mount source=test-volume,target=/home nginx**

Get a bash inside the container and create a file in /home folder

- ➢ **docker exec -it testcontainer bash**
- ➢ **touch /home/sample.txt**
- ➢ **echo "This is a sample file" > sample.txt**

Exit the container.

Create a new container by running by mounting the same volume.

docker run --name testcontainer2 --mount source=test-volume,target=/home nginx

The /home directory should persist the data.