**Docker commands**

$ docker run

* Runs a container from an image.
* Fetches it from the host, if it exists. If it doesn’t exist, it will be pulled from the docker hub (only done the 1st time)
* Needs internet

$ docker ps

* Lists all running containers with some info’s like ID, name of the image, status
* -a or --all argument will bring all containers (default brings only running containers)

$ docker stop <name-of-the-image-or-ID>

* Still on the disk

$ docker rm <name-of-the-image-or-ID>

* Removes it from disk

$ docker images

* See all images downloaded

$ docker rmi <image\_name>

* You must ensure there is no containers running from that image.

$ docker pull <image\_name>

* It will download the image.
* Used in case we want to save on our disk and run it later (In case we do not have internet)

$ docker run -itd --name ubuntu ubuntu:latest

$ docker ps -a

$ docker exec ubuntu cat /etc/hosts

127.0.0.1 localhost

::1 localhost ip6-localhost ip6-loopback

fe00::0 ip6-localnet

ff00::0 ip6-mcastprefix

ff02::1 ip6-allnodes

ff02::2 ip6-allrouters

$ docker run centos

$ docker run -it centos bash

[root@11c117c842a3 /]# cat /etc/\*release\*

CentOS Linux release 7.6.1810 (Core)

Derived from Red Hat Enterprise Linux 7.6 (Source)

NAME="CentOS Linux"

VERSION="7 (Core)"

ID="centos"

ID\_LIKE="rhel fedora"

VERSION\_ID="7"

PRETTY\_NAME="CentOS Linux 7 (Core)"

ANSI\_COLOR="0;31"

CPE\_NAME="cpe:/o:centos:centos:7"

HOME\_URL="https://www.centos.org/"

BUG\_REPORT\_URL="https://bugs.centos.org/"

CENTOS\_MANTISBT\_PROJECT="CentOS-7"

CENTOS\_MANTISBT\_PROJECT\_VERSION="7"

REDHAT\_SUPPORT\_PRODUCT="centos"

REDHAT\_SUPPORT\_PRODUCT\_VERSION="7"

CentOS Linux release 7.6.1810 (Core)

CentOS Linux release 7.6.1810 (Core)

cpe:/o:centos:centos:7

$ docker run -d centos sleep 20

* Will run in the background a container for 20 seconds

$ docker stop <name>

$ docker rm <id>

$ docker images

REPOSITORY TAG IMAGE ID CREATED SIZE

ubuntu latest 3556258649b2 13 days ago 64.2MB

centos latest 9f38484d220f 4 months ago 202MB