**Finding the version**

# docker --version

## Downloading image

# docker pull httpd

## Images

# docker image ls

## Run

# docker run -it -d httpd

## What’s running

# docker ps

## ps -a

List all the docker containers running/exited/stopped with container details

# ps -a

Access the docker container and run commands inside the container. I am accessing the apache server container in this example

# docker exec -it 09ca6feb6efc bash

# ls

## Removing container

# docker rm 9b6343d3b5a0

Run the below command to check if the container got removed or not.

# docker ps -a

## Removing image

# docker rmi fce289e99eb9

## Restart Docker

# docker restart 09ca6feb6efc

Run the command below and check the STATUS parameter to verify if the container started recently.

# docker ps

## Stopping Docker

# docker stop 09ca6feb6efc

Run the below command to check if the container is still running or it has stopped

# docker ps

# docker start 09ca6feb6efc

# docker ps

## Kill

Stop the docker container immediately. Docker stop command stops the container gracefully, that’s the difference between a kill and stop commands

# docker kill 09ca6feb6efc

# docker ps

## TAG

### Tag an image referenced by ID

To tag a local image with ID “0e5574283393” into the “fedora” repository with “version1.0”:

# docker tag 0e5574283393 fedora/httpd:version1.0

### Tag an image referenced by Name

To tag a local image with name “httpd” into the “fedora” repository with “version1.0”:

# docker tag httpd fedora/httpd:version1.0

Note that since the tag name is not specified, the alias is created for an existing local version httpd:latest

### Tag an image referenced by Name and Tag

To tag a local image with name “httpd” and tag “test” into the “fedora” repository with “version1.0.test”:

# docker tag httpd:test fedora/httpd:version1.0.test

### Tag an image for a private repository

To push an image to a private registry and not the central Docker registry you must tag it with the registry hostname and port (if needed).

# docker tag 0e5574283393 myregistryhost:5000/fedora/httpd:version1.0

## Commit

Save a new docker image with container id mentioned in the command on the local system. In the example below, geekflare is the username, and httpd\_image is the image name.

# docker commit 09ca6feb6efc geekflare/httpd\_image

## Login

Login into docker hub. You will be asked your docker hub credentials to log in

# docker login

## Push

Upload a docker image with the image name mentioned in the command on the dockerhub.

# docker push geekflare/httpd\_image

## Docker info

Get detailed information about docker installed on the system including the kernel version, number of containers and images, etc.

# docker info

## Checking history

Shows the history of a docker image with the image name mentioned in the command.

# docker history httpd

## Checking logs

Show the logs of the docker container with contained id mentioned in the command

# docker logs 09ca6feb6efc

## Searching image

Search for a docker image on dockerhub with the name mentioned in the command.

# docker search hadoop

https://geekflare.com/docker-commands/