Lab 6.6 Deploy the Docker image to Docker Hub

This section will show you how to build a Docker image and deploy it in the Docker Hub.

This lab has 3 sub-sections:

6.6.1 Pull a Docker image and create files in it

6.6.2 Login at DockerHub

6.6.3 Deploy the image to DockerHub

**Step 6.6.1:** Pull a Docker image and create files in it.

Stop all the active running containers and ensure that no containers are running in detach mode.

Pull a new ubuntu image from Docker Hub.

docker pull ubuntu

Check if it has been pulled and is available.

docker ps -a

Now, run the docker container

docker run -itd ubuntu

Check if docker container is up and running.

docker ps

Now, log in to the ubuntu instance

docker exec -it <image\_ID> bash

Create a folder and files in it.

mkdir test1 test2

cd test1

touch hello.txt hello.html hello.py

Check if the files have been created.

ls -lart

Exit the container using CTRL+D

**Step 6.6.2:** Log in at DockerHub.

Create an account in DockerHub <https://hub.docker.com/> and log in. Execute the commands mentioned below to log in at DockerHub.

docker login –username=<Your\_username> --password=<Your\_password>

Create another replicated image of Ubuntu

docker commit <Image\_ID> <your\_DockerHub\_username>/tag

**Step 6.6.3:** Deploy the image to DockerHub.

Check if it has been created.

docker images

Now, push it to DockerHub.

docker push <Repository/Image>

Go to your DockerHub account and reload the page. You should be able to see the image pushed from the terminal.