Lesson 7 Lesson End Project: 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:

* Pull a Docker image and create files in it
* Log in at DockerHub
* Deploy the image to DockerHub

**Step 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 the docker container is up and running

**docker ps**

* Now, log in to the ubuntu instance

**docker exec -it < Container\_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 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 through your terminal:

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

* Create another replicated image of Ubuntu

**docker commit <Container\_ID> <your\_DockerHub\_username>/tag**

**Step 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