Module-3: Docker – I Assignment - 3

You have been asked to:

- **Use the saved image in the previous assignment**
- **Upload this image on Dockerhub**
- **On a separate machine pull this dockerhub image, and launch it on port 80**
- **Start the apache2 service**
- **Verify if you are able to see the apache2 service**

The above task can be achieved as follows:

- **Firstly we need to login to the docker and the tag our image and pushed it to docker hub by applying below commands**

```
/root/.hushlogin file.
root@MTLP-1751:~# sudo docker login
Authenticating with existing credentials...
Login Succeeded
```

```
root@MTLP-1751:~# sudo docker tag myimage sairajareddymuli/sairajareddy
root@MTLP-1751:~# sudo docker login
Authenticating with existing credentials...
Login Succeeded
root@MTLP-1751:~# sudo docker push sairajareddymuli/sairajareddy
Using default tag: latest
The push refers to repository [docker.io/sairajareddymuli/sairajareddy]
93c5c4f39e51: Pushed
256d88da4185: Pushed
latest: digest: sha256:fa6781238a55a018b5e040c5c73cf35550f7fa896255ec61be99f45e6517719a size: 741
```

- **As shown in above image was successfully pushed to docker hub.**

● Then open another instance with installed docker and pull image from docker hub by applying following commands.

```
root@MTLP-1751:~# sudo docker ps
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS     NAMES
root@MTLP-1751:~# sudo docker login
Authenticating with existing credentials...
Login Succeeded
root@MTLP-1751:~# sudo docker pull sairajareddymuli/sairajareddy
Using default tag: latest
latest: Pulling from sairajareddymuli/sairajareddy
Digest: sha256:fa6781238a55a018b5e040c5c73cf35550f7fa896255ec61be99f45e6517719a
Status: Image is up to date for sairajareddymuli/sairajareddy:latest
docker.io/sairajareddymuli/sairajareddy:latest
root@MTLP-1751:~# sudo docker run -itd -p 80:80 sairajareddymuli/sairajareddy
d7da809263b03bc0f3cd558065fc9d8fed308adb10330d74dda04092ace0069a
root@MTLP-1751:~# sudo docker ps
CONTAINER ID   IMAGE                          COMMAND       CREATED         STATUS         PORTS                NAMES
d7da809263b0   sairajareddymuli/sairajareddy   "/bin/bash"   4 seconds ago   Up 2 seconds   0.0.0.0:80->80/tcp   lucid_mendel
root@MTLP-1751:~# sudo docker exec -it d7da809263b0 /bin/bash
root@d7da809263b0:/# service apache2 start
 * Starting Apache httpd web server apache2
AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 172.17.0.2. Set the 'ServerName' directive globally t
o suppress this message
 *
root@d7da809263b0:/# service apache2 status
 * apache2 is running
root@d7da809263b0:/# service apache2 start
```

● Then check the apache2 server status and start the we achived the task as shown below in our loacal host apache2 server was running on our local host and verified successfully.