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 can see the apache2 service.

Answer

```
aravi@techarkit-ubuntu:~$ sudo docker images
[sudo] password for aravi:
REPOSITORY      TAG         IMAGE ID        CREATED        SIZE
ravi-apache2    latest      d299d1c4514c    7 hours ago    232MB
ubuntu          latest      e4c58958181a    5 weeks ago    77.8MB

aravi@techarkit-ubuntu:~$ sudo docker tag ravi-apache2
arkitcoin/apache2:latest

aravi@techarkit-ubuntu:~$ sudo docker images
REPOSITORY          TAG         IMAGE ID        CREATED         SIZE
arkitcoin/apache2   latest      d299d1c4514c    7 hours ago     232MB
ravi-apache2        latest      d299d1c4514c    7 hours ago     232MB
ubuntu              latest      e4c58958181a    5 weeks ago     77.8MB
```

Login to the Dockerhub from command line to push the image

```
aravi@techarkit-ubuntu:~$ sudo docker login
Log in with your Docker ID or email address to push and pull
images from Docker Hub. If you don't have a Docker ID, head over
to https://hub.docker.com/ to create one.
You can log in with your password or a Personal Access Token
(PAT). Using a limited-scope PAT grants better security and is
required for organizations using SSO. Learn more at
https://docs.docker.com/go/access-tokens/

Username: arkitcoin
Password:
WARNING! Your password will be stored unencrypted in
/root/.docker/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#creden
tials-store

Login Succeeded
```

Push the Image to Dockerhub using the below procedure

```
sudo docker push arkitcoin/apache2:latest
```

So Now Login to another server/desktop assuming you already installed the docker on the same machine.

```
sudo docker pull arkitcoin/apache2:latest
```

It will pull the image on the same server.

```
sudo docker run -it -d -p 80:80 arkitcoin/apache2:latest

# to see the latest container use the below command
sudo docker ps -a
```

Now access the container which we just brought up using the below commands

```
sudo docker exec -it 8fc8bc6efd04 bash

root@8fc8bc6efd04:/# service apache2 status
root@8fc8bc6efd04:/# service apache2 start
```

That's it, I can access the Web Browser using the Host IP Address on port 80.