Task

Creating docker image of centos 7 and host CSS template

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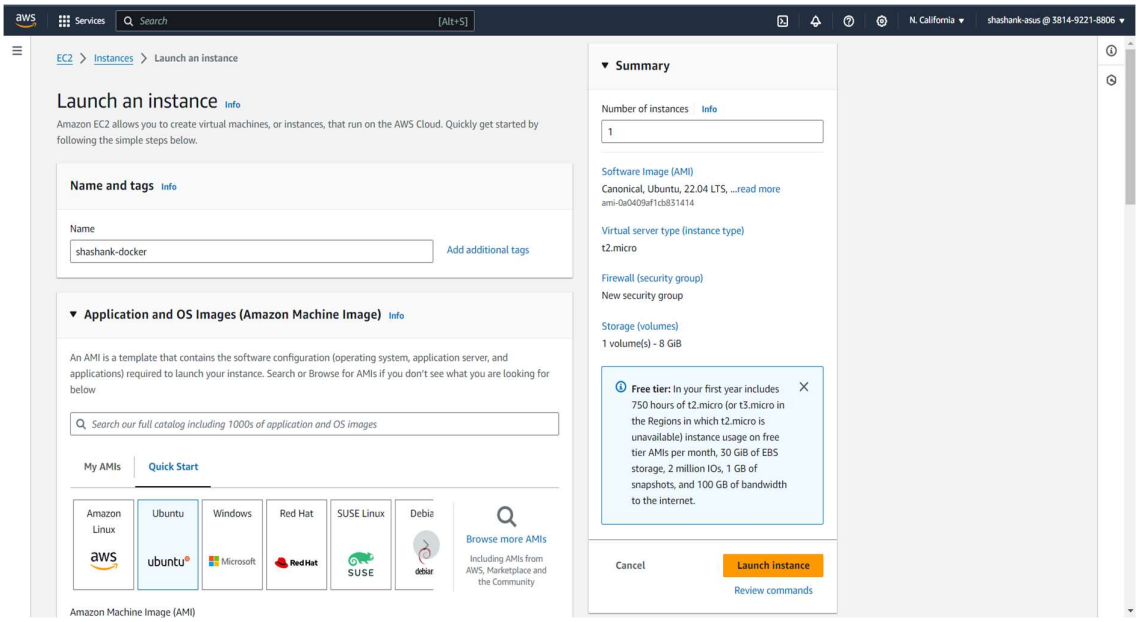
Note – for docker practical you need docker hub account

1. Create and launch EC2 instance with ubuntu image.



2. Install the docker into the terminal.
   Use commands
   Sudo -i
   Link - https://docs.docker.com/engine/install/ubuntu/
   After installing docker in your terminal use commad
   Systemctl start docker

3. Take a git clone of your repo. In which your image file is present.
   Use commands
   git clone <your repo https code>
   ls

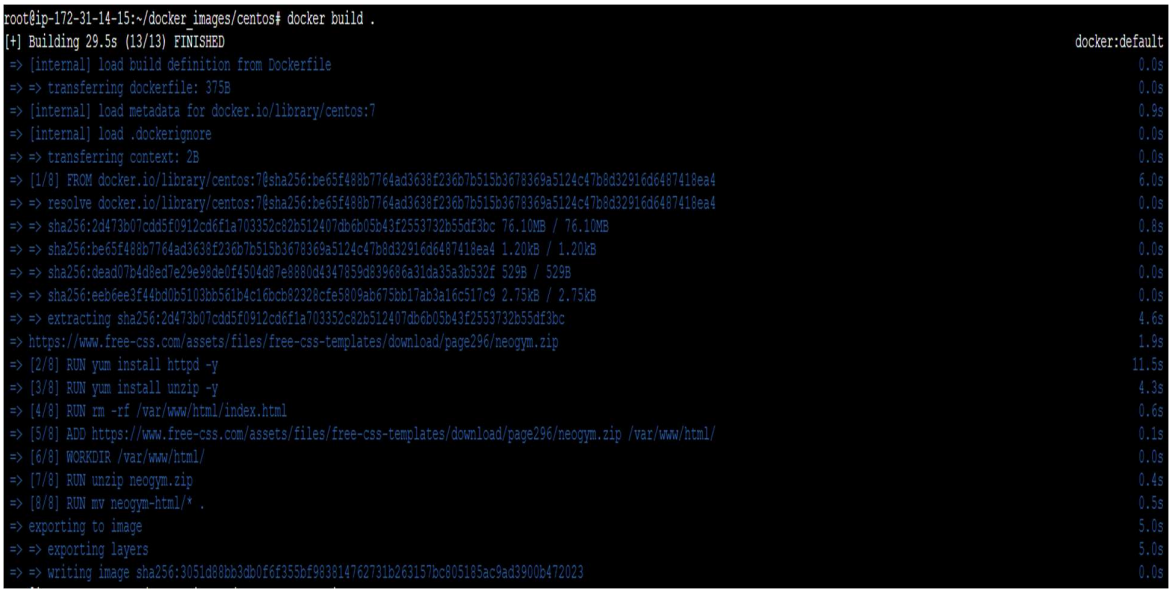
cd <your repo>

ls

Enter in your folder or file which contain docker image script or code.

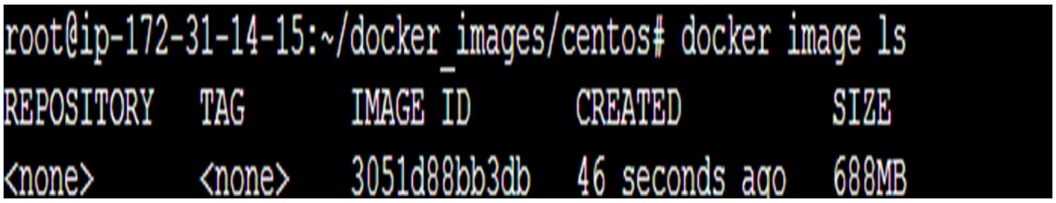
4. Create docker image from your docker image file using command.

   docker build .



5. After building of image use this command to see your image created or not use command.

   docker images or docker image ls



6. Give tag to the images use command.

   docker tag <image_id> <dockerhub-user>/<dockerhub-repo>[:<tag>]

   docker images or docker image ls

```
root@ip-172-31-14-15:~/docker_images/centos# docker tag 3051d88bb3db shashank9532dockerhub/docker:newone
root@ip-172-31-14-15:~/docker_images/centos# docker image ls
REPOSITORY                        TAG       IMAGE ID       CREATED         SIZE
shashank9532dockerhub/docker      newone    3051d88bb3db   5 minutes ago   688MB
```

7. Login into your docker hub account use

   docker login

   (It ask for dockerhub username & password enter this)

8. Add port number to the image use command.

   docker run -d -p <port-no>:<image-port-no> <dockerhub-user>/<dockerhub-repo>[:<tag>]

```
root@ip-172-31-14-15:~/docker_images/centos# docker run -d -p 80:80 shashank9532dockerhub/docker:newone
a90f0ebb61fb093ffaee9790ef9ba75581eff44244337900fb3381a9310d7e88
```

   docker ps -a

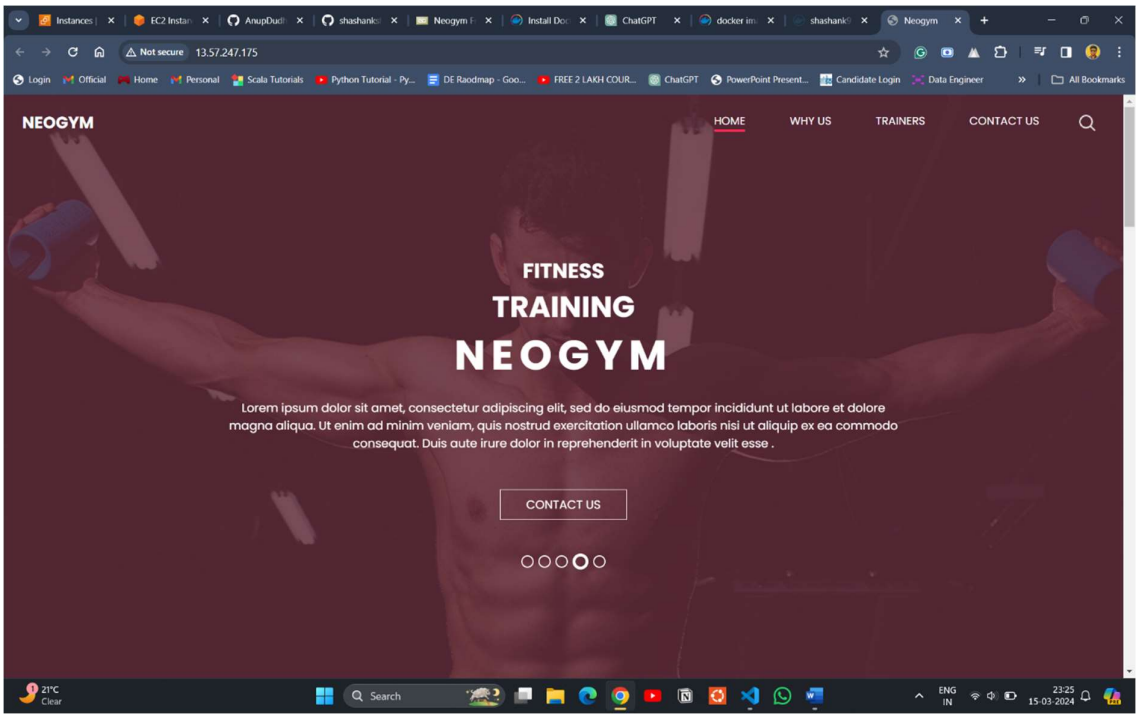
```
root@ip-172-31-14-15:~/docker_images/centos# docker ps
CONTAINER ID   IMAGE                             COMMAND                  CREATED         STATUS         PORTS                                 NAMES
a90f0ebb61fb   shashank9532dockerhub/docker:newone   "/bin/sh -c 'httpd -…"   5 minutes ago   Up 5 minutes   0.0.0.0:80->80/tcp, :::80->80/tcp   magical_hugle
```

9. Use push command to push your image to your docker repo.

   docker push <dockerhub-user>/<dockerhub-repo>[:<tag>]

```
root@ip-172-31-14-15:~/docker_images/centos# docker push shashank9532dockerhub/docker:newone
The push refers to repository [docker.io/shashank9532dockerhub/docker]
ed7732e07776: Pushed
2fa555d36f67: Pushed
5f70bf18a086: Pushed
0b09fe32f3b6: Pushed
45ce9f4ff377: Pushed
a5b7a99aa7d6: Pushed
b7e8d3690882: Pushed
174f56854903: Mounted from library/centos
newone: digest: sha256:1a398bdbc1704f83455c2d4e0338cdc882f659a57f97cb2c04b141689e72497c size: 1996
```

10. Copy the IP address and host into the browser.



11. Go your dockerhub and check whether your image push or not.