**Module-3: Docker – I Assignment - 3**

You have been asked to:

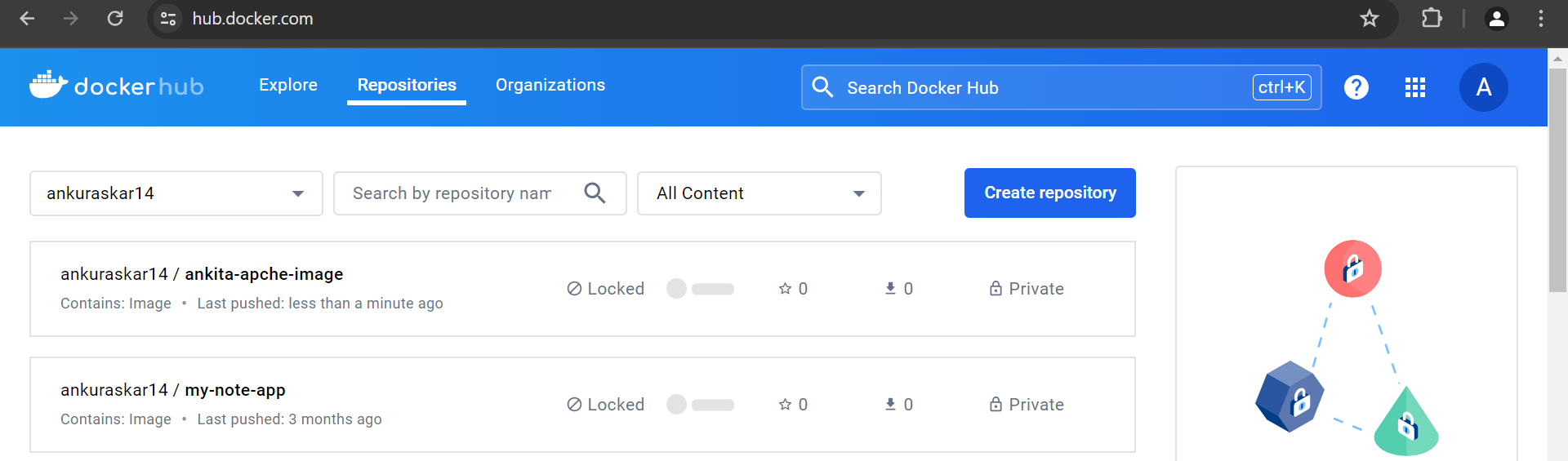
● Use the saved image in the previous assignment

● 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



A screenshot of a computer program

Description automatically generated

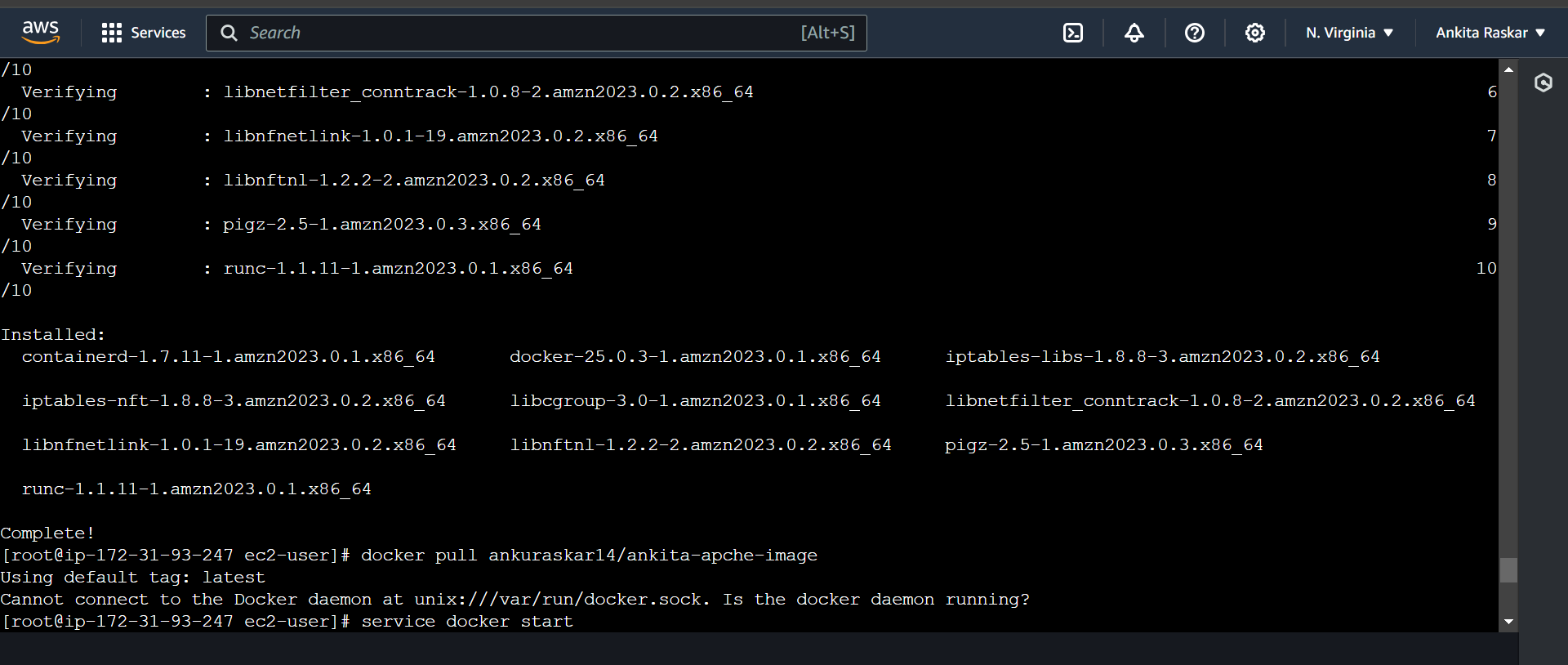
A screenshot of a computer

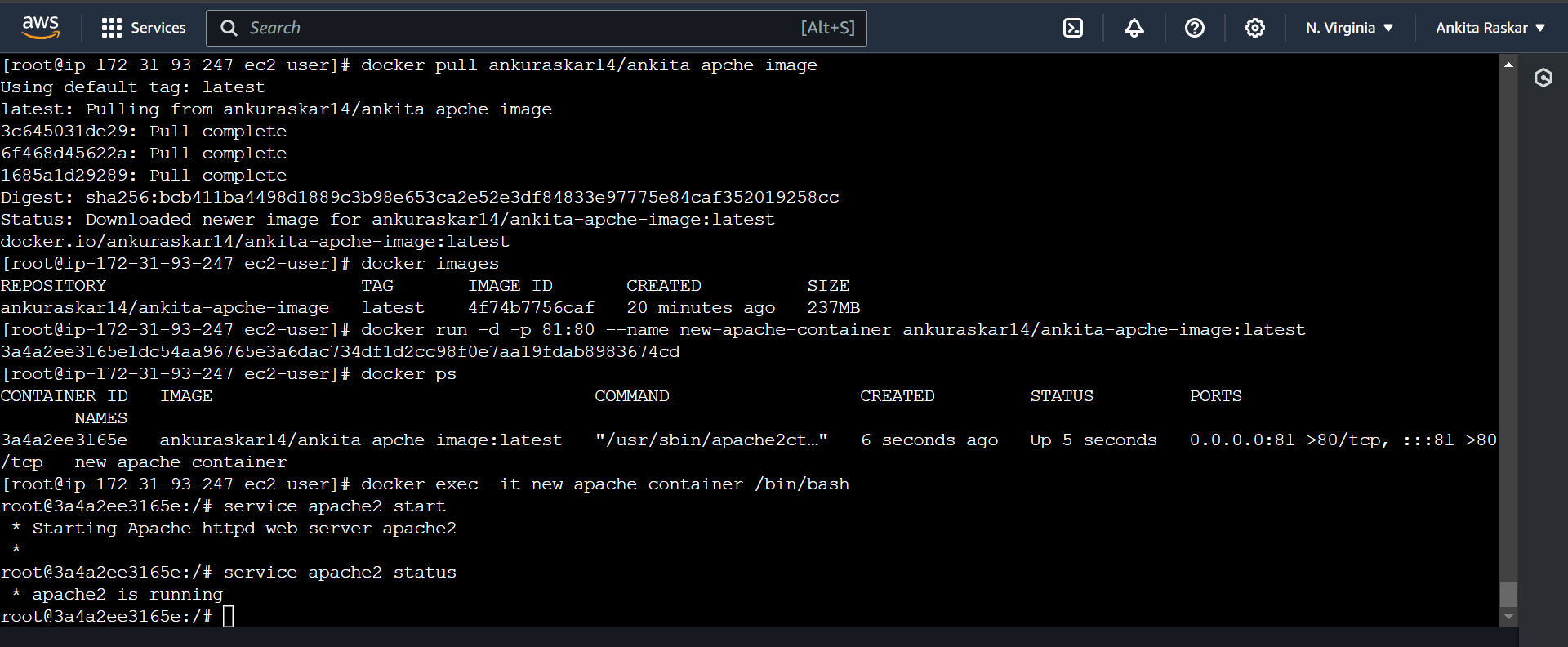
Description automatically generated

A screenshot of a computer

Description automatically generated

-------------------new server-----------------------------------------------------------





A screenshot of a computer

Description automatically generated

[root@ip-172-31-22-207 ec2-user]# docker images

REPOSITORY TAG IMAGE ID CREATED SIZE

apache-image new 2c1abdeb8174 19 minutes ago 237MB

ubuntu latest 7af9ba4f0a47 13 days ago 77.9MB

[root@ip-172-31-22-207 ec2-user]# docker tag 2c1abdeb8174 ankuraskar14/apache-image:latest

[root@ip-172-31-22-207 ec2-user]# docker images

REPOSITORY TAG IMAGE ID CREATED SIZE

apache-image new 2c1abdeb8174 21 minutes ago 237MB

ankuraskar14/apache-image latest 2c1abdeb8174 21 minutes ago 237MB

ubuntu latest 7af9ba4f0a47 13 days ago 77.9MB

[root@ip-172-31-22-207 ec2-user]# docker rmi 2c1abdeb8174

Error response from daemon: conflict: unable to delete 2c1abdeb8174 (cannot be forced) - image is being used by running container 9f6ed9c566fb

[root@ip-172-31-22-207 ec2-user]# docker ps

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

9f6ed9c566fb apache-image:new "/usr/sbin/apache2ct…" 13 minutes ago Up 13 minutes 0.0.0.0:81->80/tcp, :::81->80/tcp new-container

a9df3d19dd53 ubuntu "/bin/bash" 38 minutes ago Up 36 minutes 0.0.0.0:80->80/tcp, :::80->80/tcp my-apache-container

[root@ip-172-31-22-207 ec2-user]# docker commit docker commit 9f6ed9c566fb ankita-apche-image:latest

"docker commit" requires at least 1 and at most 2 arguments.

See 'docker commit --help'.

Usage: docker commit [OPTIONS] CONTAINER [REPOSITORY[:TAG]]

Create a new image from a container's changes

[root@ip-172-31-22-207 ec2-user]# docker images

REPOSITORY TAG IMAGE ID CREATED SIZE

ankuraskar14/apache-image latest 2c1abdeb8174 25 minutes ago 237MB

apache-image new 2c1abdeb8174 25 minutes ago 237MB

ubuntu latest 7af9ba4f0a47 13 days ago 77.9MB

[root@ip-172-31-22-207 ec2-user]# docker commit 9f6ed9c566fb ankita-apche-image:latest

sha256:4f74b7756cafa234e1ac8f1e0b2af8e89369538f0dafc829f28076211d8422e5

[root@ip-172-31-22-207 ec2-user]# docker images

REPOSITORY TAG IMAGE ID CREATED SIZE

ankita-apche-image latest 4f74b7756caf 4 seconds ago 237MB

ankuraskar14/apache-image latest 2c1abdeb8174 26 minutes ago 237MB

apache-image new 2c1abdeb8174 26 minutes ago 237MB

ubuntu latest 7af9ba4f0a47 13 days ago 77.9MB

[root@ip-172-31-22-207 ec2-user]# docker tag 4f74b7756caf ankuraskar14/ankita-apche-image:latest

[root@ip-172-31-22-207 ec2-user]# docker images

REPOSITORY TAG IMAGE ID CREATED SIZE

ankuraskar14/ankita-apche-image latest 4f74b7756caf About a minute ago 237MB

ankita-apche-image latest 4f74b7756caf About a minute ago 237MB

apache-image new 2c1abdeb8174 27 minutes ago 237MB

ankuraskar14/apache-image latest 2c1abdeb8174 27 minutes ago 237MB

ubuntu latest 7af9ba4f0a47 13 days ago 77.9MB

[root@ip-172-31-22-207 ec2-user]# 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: ankuraskar14

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/#credentials-store

Login Succeeded

[root@ip-172-31-22-207 ec2-user]# docker push ankuraskar14/ankita-apche-image:latest

The push refers to repository [docker.io/ankuraskar14/ankita-apche-image]

791c0f62a3f9: Pushed

7d7853302474: Pushed

e0a9f5911802: Mounted from library/ubuntu

latest: digest: sha256:bcb411ba4498d1889c3b98e653ca2e52e3df84833e97775e84caf352019258cc size: 949

[root@ip-172-31-22-207 ec2-user]# ^C

[root@ip-172-31-22-207 ec2-user]#

**------------------------------------------------------------new server------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------**

[root@ip-172-31-93-247 ec2-user]# docker pull ankuraskar14/ankita-apche-image

Using default tag: latest

Cannot connect to the Docker daemon at unix:///var/run/docker.sock. Is the docker daemon running?

[root@ip-172-31-93-247 ec2-user]# service docker start

Redirecting to /bin/systemctl start docker.service

[root@ip-172-31-93-247 ec2-user]# docker pull ankuraskar14/ankita-apche-image

Using default tag: latest

Error response from daemon: pull access denied for ankuraskar14/ankita-apche-image, repository does not exist or may require 'docker login': denied: requested access to the resource is denied

[root@ip-172-31-93-247 ec2-user]# docker pull ankuraskar14/ankita-apche-image

Using default tag: latest

latest: Pulling from ankuraskar14/ankita-apche-image

3c645031de29: Pull complete

6f468d45622a: Pull complete

1685a1d29289: Pull complete

Digest: sha256:bcb411ba4498d1889c3b98e653ca2e52e3df84833e97775e84caf352019258cc

Status: Downloaded newer image for ankuraskar14/ankita-apche-image:latest

docker.io/ankuraskar14/ankita-apche-image:latest

[root@ip-172-31-93-247 ec2-user]# docker images

REPOSITORY TAG IMAGE ID CREATED SIZE

ankuraskar14/ankita-apche-image latest 4f74b7756caf 20 minutes ago 237MB

[root@ip-172-31-93-247 ec2-user]# docker run -d -p 81:80 --name new-apache-container ankuraskar14/ankita-apche-image:latest

3a4a2ee3165e1dc54aa96765e3a6dac734df1d2cc98f0e7aa19fdab8983674cd

[root@ip-172-31-93-247 ec2-user]# docker ps

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

3a4a2ee3165e ankuraskar14/ankita-apche-image:latest "/usr/sbin/apache2ct…" 6 seconds ago Up 5 seconds 0.0.0.0:81->80/tcp, :::81->80/tcp new-apache-container

[root@ip-172-31-93-247 ec2-user]# docker exec -it new-apache-container /bin/bash

root@3a4a2ee3165e:/# service apache2 start

\* Starting Apache httpd web server apache2 \*

root@3a4a2ee3165e:/# service apache2 status

\* apache2 is running

root@3a4a2ee3165e:/#