

```
ubuntu@ip-172-31-35-216:~$ docker login
Using default tag: latest
The push refers to repository [docker.io/venkatesh1503/assignment3-image]
e0a4f7210798: Preparing
ba8dbc5b24b5: Preparing
denied: requested access to the resource is denied
ubuntu@ip-172-31-35-216:~$ docker login
Authenticating with existing credentials...
WARNING! Your password will be stored unencrypted in /home/ubuntu/.docker/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credential-stores

Login Succeeded
ubuntu@ip-172-31-35-216:~$ docker logout
Removing login credentials for https://index.docker.io/v1/
ubuntu@ip-172-31-35-216:~$ docker login

USING WEB-BASED LOGIN
To sign in with credentials on the command line, use 'docker login -u <username>'

Your one-time device confirmation code is: VQXF-JHDK
Press ENTER to open your browser or submit your device code here: https://login.docker.com/activate

Waiting for authentication in the browser...
^CLogin canceled
ubuntu@ip-172-31-35-216:~$ docker login -u
flag needs an argument: 'u' in -u
See 'docker login --help'.
ubuntu@ip-172-31-35-216:~$ docker login -u venkatesh1503
Password:
WARNING! Your password will be stored unencrypted in /home/ubuntu/.docker/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credential-stores

Login Succeeded
ubuntu@ip-172-31-35-216:~$ docker push venkatesh1503/assignment3-image
Using default tag: latest
The push refers to repository [docker.io/venkatesh1503/assignment3-image]
e0a4f7210798: Pushed
ba8dbc5b24b5: Mounted from library/ubuntu
latest: digest: sha256:43637699e6183aa0e2e5f3832019644275b3f58d2214da4771f66d52da02c75b_size: 741
ubuntu@ip-172-31-35-216:~$
```

https://hub.docker.com/repositories/venkatesh1503

Repositories | Docker Hub

Search Docker Hub

venkatesh1503

Search by repository name

All Content

Create repository

venkatesh1503 / assignment3-image

Contains: Image • Last pushed: less than a minute ago

venkatesh1503 / ubuntu

Contains: No content • Created: 11 minutes ago

https://hub.docker.com/repository/docker/venkatesh1503/assignment3-image

venkatesh1503/assignment3-image

Instances | EC2 | us-east-1

Apache2 Ubuntu Default Page: It

Docker-Assignment-3 (1).pdf

←

↻

https://hub.docker.com/repository/docker/venkatesh1503/assignment3-image/tags

☆

🔖

🔍

⋮

🔗

📁 Dell

📄 Dashboard | Hacker...

🌐 Online Job Portal

📷 Free Stock Photos...

📧 Gmail

🎮 HackerRank

🌐 hackerearth

🎓 sololearn

📅 DevOps May 2024 ~...

🔧 AWS Skill Builder

👤 Edit Profile - Credly

🖨 Computer Basics | S...

dockerhub

Explore

Repositories

Organizations

Usage

🔍 Search Docker Hub

ctrl+K

⌚

⚙️

🔄

⋮

V

venkatesh1503

/

Repositories

/

assignment3-image

/

Tags

Using 0 of 1 private repositories.

General

Tags

Builds

Collaborators

Webhooks

Settings

☐

Sort by

Newest

Filter Tags

🔍

Delete

☐

TAG

latest

Last pushed a few seconds ago by venkatesh1503

docker pull venkatesh1503/assignment3-image:latest

Copy

Digest	OS/ARCH	Last pull	Compressed Size
43637699e618	linux/amd64	a few seconds ago	89.31 MB

https://hub.docker.com/repository/docker/venkatesh1503/assignment3-image/tags

🪟

🔍 Search

🍏

📁

📄

📅

🔧

🖨

🔌

📶

🔋

🕒 05:34

📅 03-10-2024

🌐 ENG IN

```
ubuntu@ip-172-31-35-216: ~$ docker pull venkatesh1503/assignment3-image:latest
latest: Pulling from venkatesh1503/assignment3-image
eda6120e237e: Pull complete
d86e9a82af1b: Pull complete
Digest: sha256:43637699e6183aa0e2e5f3832019644275b3f58d2214da4771f66d52da02c75b
Status: Downloaded newer image for venkatesh1503/assignment3-image:latest
docker.io/venkatesh1503/assignment3-image:latest
ubuntu@ip-172-31-47-216:~$ docker image ls
REPOSITORY          TAG             IMAGE ID        CREATED         SIZE
venkatesh1503/assignment3-image  latest         64d5095608b6   34 minutes ago  225MB
ubuntu@ip-172-31-47-216:~$ docker run -itd -p 80:80 venkatesh1503/assignment3-image
cbb3046828daed332c00ede570854c4187b4f03c648a006d70cd1e130055522
ubuntu@ip-172-31-47-216:~$ docker ps
CONTAINER ID   IMAGE                                COMMAND                  CREATED        STATUS        PORTS                               NAMES
cbb3046828d   venkatesh1503/assignment3-image     "/bin/bash"             5 seconds ago Up 4 seconds  0.0.0.0:80->80/tcp, :::80->80/tcp  suspicious_buck
ubuntu@ip-172-31-47-216:~$
```

venkatesh1503/assignment3-image x Instances | EC2 | us-east-1 x

https://us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:v=3;case=tags:true%5Cclient:false;\$regex=tags:false%5Cclient:false

EC2 Dashboard EC2 Global View Events Console-to-Code Preview

Instances Instances Instance Types Launch Templates Spot Requests Savings Plans Reserved Instances Dedicated Hosts Capacity Reservations

Images AMIs AMI Catalog Elastic Block Store Volumes

Instances (1/2) info Last updated less than a minute ago Connect Instance state Actions Launch instances

Find Instance by attribute or tag (case-sensitive) All states

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
Docker-master	i-05d99012392371940	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1b
docker 2	i-00bcd0e7c74d50eb9	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1b

i-00bcd0e7c74d50eb9 (docker 2)

Details Status and alarms Monitoring Security Networking Storage Tags

Instance summary info

Instance ID i-00bcd0e7c74d50eb9 (docker 2)

IPv6 address

Public IPv4 address copied

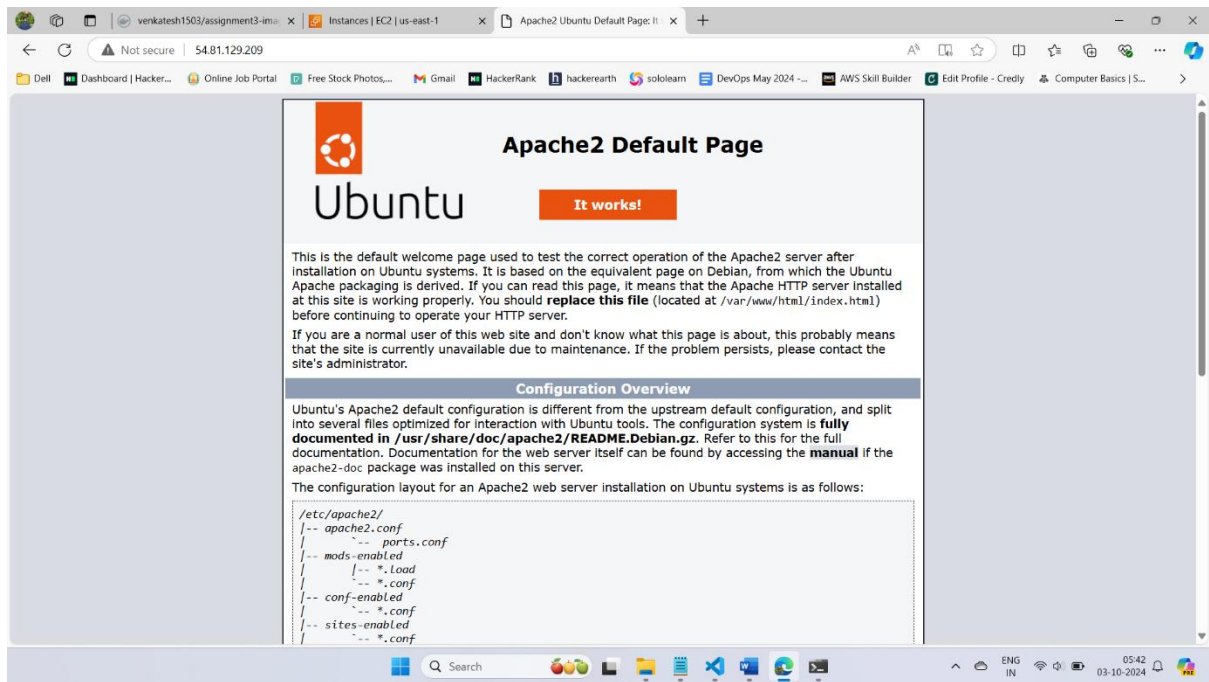
54.81.129.209 | open address

Private IPv4 addresses 172.31.47.216

Public IPv4 DNS ec2-54-81-129-209.compute-1.amazonaws.com

Instance state Running

```
ubuntu@ip-172-31-35-216:~$ docker pull venkatesh1503/assignment3-image:latest
latest: Pulling from venkatesh1503/assignment3-image
eda6120e237e: Pull complete
d86e9a82af1b: Pull complete
Digest: sha256:43637699e6183aa0e2e5f3832019644275b3f58d2214da4771f66d52da02c75b
Status: Downloaded newer image for venkatesh1503/assignment3-image:latest
docker.io/venkatesh1503/assignment3-image:latest
ubuntu@ip-172-31-47-216:~$ docker image ls
REPOSITORY          TAG             IMAGE ID        CREATED         SIZE
venkatesh1503/assignment3-image  latest         64d5095608b6   34 minutes ago  225MB
ubuntu@ip-172-31-47-216:~$ docker run -itd -p 80:80 venkatesh1503/assignment3-image
cbbe3046828daed332c00ede570854c4187b4f03c648a006d70cd1e130055522
ubuntu@ip-172-31-47-216:~$ docker ps
CONTAINER ID   IMAGE                                COMMAND                  CREATED        STATUS        PORTS                               NAMES
cbbe3046828d  venkatesh1503/assignment3-image     "/bin/bash"             5 seconds ago Up 4 seconds  0.0.0.0:80->80/tcp, :::80->80/tcp  suspicious_buck
ubuntu@ip-172-31-47-216:~$ docker exec -it cbbe3046828d /bin/bash
root@cbbe3046828d:/# 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 to suppress this message
*
root@cbbe3046828d:/#
```



### Assignment-3

docker image ls

docker login -u venkatesh1503

docker tag ubuntu:v2 venkatesh1503/assignment3-image

docker image ls

docker push venkatesh1503/assignment3-image

### New Instance

sudo apt update

sudo apt install docker.io -y

sudo usermod -aG docker devops

exit

docker version

docker image ls

docker pull venkatesh1503/assignment3-image:latest

docker run -itd -p 80:80 venkatesh1503/assignment3-image

docker ps

docker exec -it cbbe3046828d bash

### Inside Container

service apache2 status

```
service apache2 start
```

```
service apache2 status
```