## **Docker Task -3**

# **Task Description:**

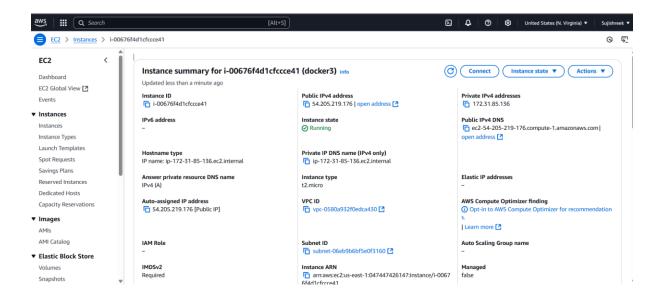
Create a custom docker image for nginx and deploy it using docker compose, where the volume bind mount should be at /var/opt/nginx location. Push the created custom docker image to your docker-hub.

## Tech stacks need to be used:

- AWS EC2
- Docker
- Docker Compose

## **SCREENSHORTS:**

--EC2 LAUNCH USING UBUNTU



#### --AFTER THIS DOING CONNECT AND INSTALLING DOCKER AND DOCKER COMPOSE, THEN RELOADING

```
Setting up python3-compose (1.29.2-6ubuntul) ...
Setting up python3-compose (1.29.2-6ubuntul) ...
Setting up docker-compose (1.29.2-6ubuntul) ...
Processing triggers for dbus (1.14.10-4ubuntu4.1) ...
Processing triggers for fdus (1.14.10-4ubuntu4.1) ...
Scanning processes...
Scanning limux images...

Running kernel seems to be up-to-date.

No services need to be restarted.

No containers need to be restarted.

No user sessions are running outdated binaries.

No WM quests are running outdated hypervisor (qemu) binaries on this host.
ubuntu@ip-172-31-85-136:-$ sudo systemctl start docker
ubuntu@ip-172-31-85-36:-$ sudo systemctl enable docker
ubuntu@ip-172-31-85-36:-$ sudo systemctl enable docker ubuntu
ubuntu@ip-172-31-85-36:-$ sudo systemctl enable docker
ubuntu@ip-172-31-85-36:-$ sudo systemctl start docker
ubuntu@ip-172-31-85-36:-$ sudo systemctl enable docker ubuntu
ubuntu@ip-172-31-85-36:-$ sudo systemctl enable docker
```

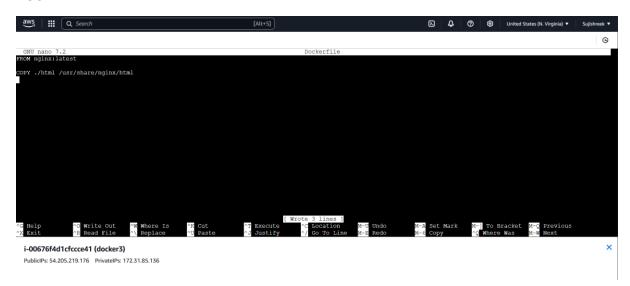
```
Last login: Thu Apr 24 15:05:08 2025 from 18.206.107.27

ubuntu8jp-172-31-85-136:-$ history

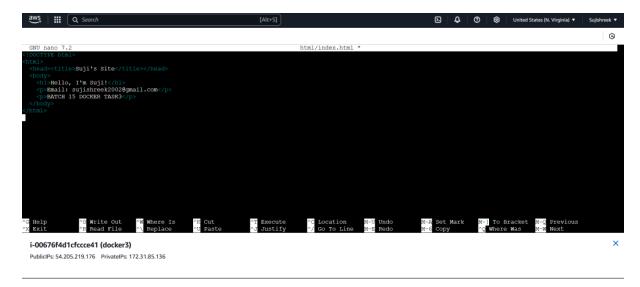
1 sudo apt update
2 sudo apt install -y docker.io docker-compose
3 sudo systemctl start docker
4 sudo systemctl enable docker
5 sudo usermod -ac docker ubuntu
6 history
7 ext
8 mkdir nginx-custom && cd nginx-custom
9 touch Dockerfile
10 nano Dockerfile
11 mkdir html
12 <html>
13 nano html/index.html
14 ocker build -t sujishreek/nginx-custom:latest .
15 docker build -t sujishreek/nginx-custom:latest .
16 docker build -t sujishreek/nginx-custom:latest .
17 docker ps
18 docker login
19 history

ubuntu8jp-172-31-85-136:-$ 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/
```

#### DOCKERFILE:



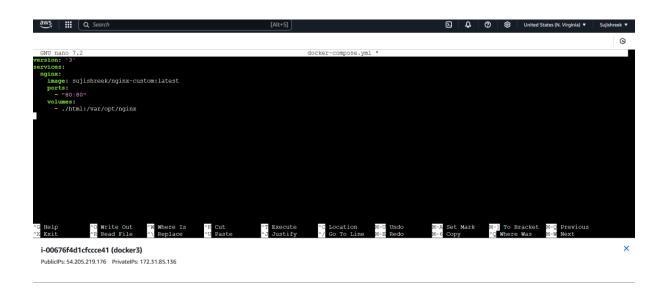
## Html/index.html:

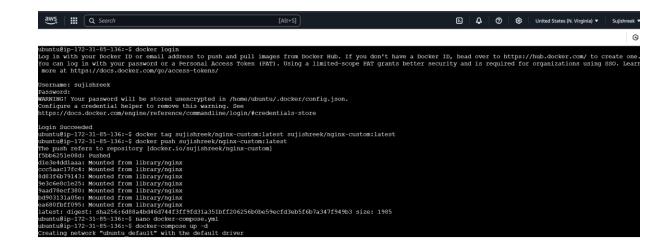


### **TESTING PORT 8080:**



## Docker-compose.yml:







#### Hello, I'm Suji!

Email: sujishreek2002@gmail.com BATCH 15 DOCKER TASK3

**OVERALL COMMANDS:** 

```
ubuntu@ip-172-31-85-136:~$ history
   1 sudo apt update
   2 sudo apt install -y docker.io docker-compose
   3 sudo systemctl start docker
   4 sudo systemctl enable docker
      sudo usermod -aG docker ubuntu
   6 history
   7
      exit
   8 mkdir nginx-custom && cd nginx-custom
   9 touch Dockerfile
  10 nano Dockerfile
  11 mkdir html
  12 <html>
13 nano html/index.html
      ocker build -t sujishreek/nginx-custom:latest .
  14
  15 docker build -t sujishreek/nginx-custom:latest .
  16 docker run -d -p 8080:80 sujishreek/nginx-custom:latest
  17 docker ps
  18 docker login
  19 history
  20 docker login
     docker tag sujishreek/nginx-custom:latest sujishreek/nginx-custom:latest
  21
      docker push sujishreek/nginx-custom:latest
  22
  23 nano docker-compose.yml
  24 docker-compose up -d
  25 docker ps
```

26 history