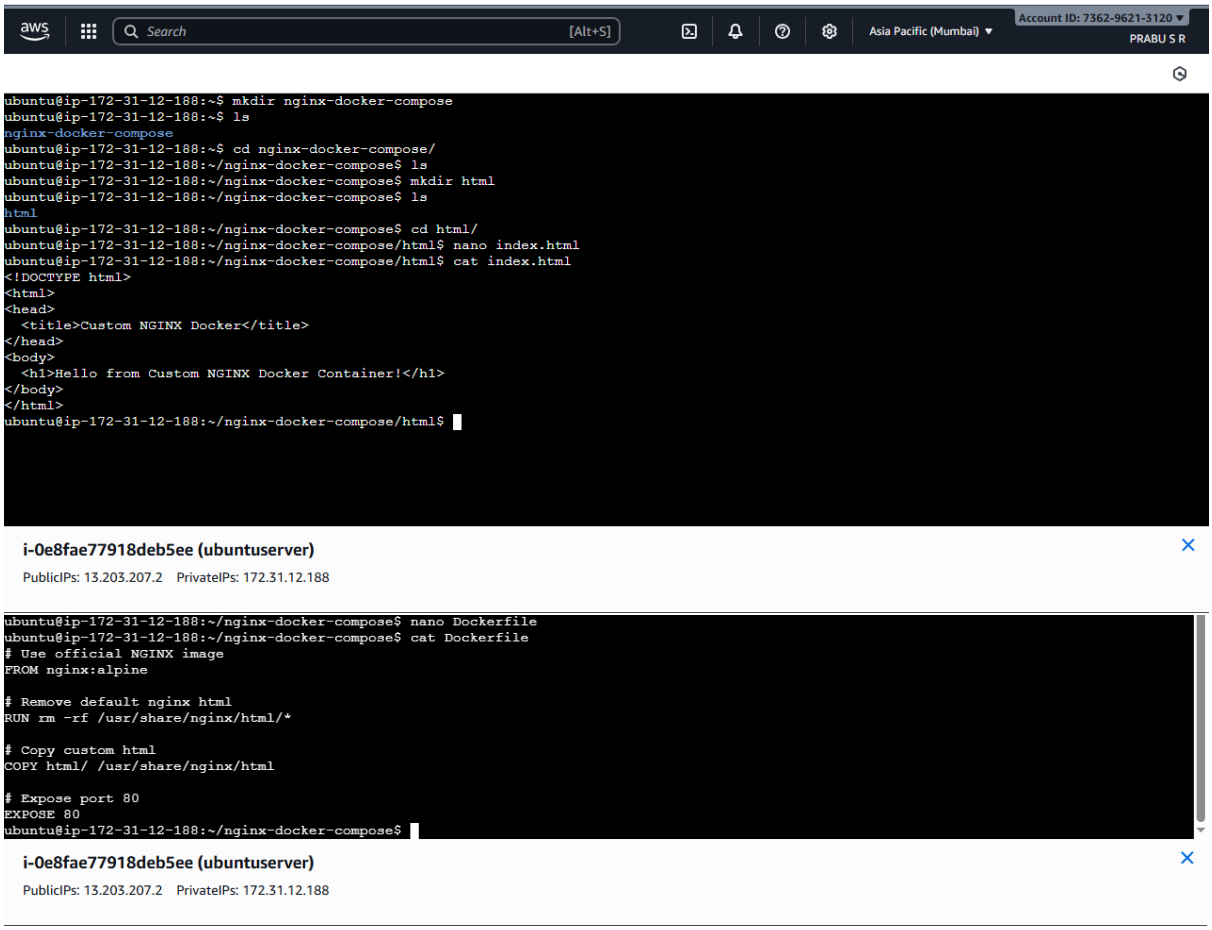
Docker Task -3

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.

Created a **custom NGINX Docker image**



```
ubuntu@ip-172-31-12-188:~/nginx-docker-compose$ nano docker-compose.yml
ubuntu@ip-172-31-12-188:~/nginx-docker-compose$ cat docker-compose.yml
version: '3.8'

services:
  nginx:
    build: .
    image: yourdockerhubusername/custom-nginx:latest
    ports:
      - "8080:80"
    volumes:
      - /var/opt/nginx:/usr/share/nginx/html
ubuntu@ip-172-31-12-188:~/nginx-docker-compose$
```

i-0e8fae77918deb5ee (ubuntuserver)

PublicIPs: 13.203.207.2 PrivateIPs: 172.31.12.188

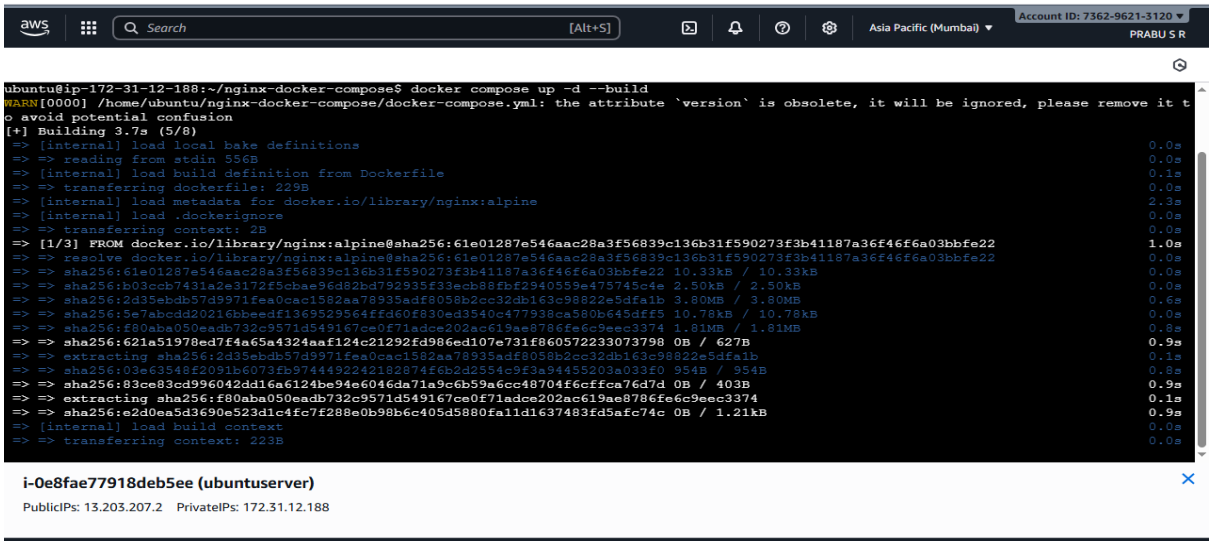
I Set up a **bind mount to `/var/opt/nginx`**

```
ubuntu@ip-172-31-12-188:~/nginx-docker-compose$ cd
ubuntu@ip-172-31-12-188:~$ ls
nginx-docker-compose
ubuntu@ip-172-31-12-188:~$ pwd
/home/ubuntu
ubuntu@ip-172-31-12-188:~$ sudo mkdir -p /var/opt/nginx
ubuntu@ip-172-31-12-188:~$ sudo chmod -R 777 /var/opt/nginx
ubuntu@ip-172-31-12-188:~$ echo "<h1>Serving from /var/opt/nginx</h1>" | sudo tee /var/opt/nginx/index.html
<h1>Serving from /var/opt/nginx</h1>
ubuntu@ip-172-31-12-188:~$
```

i-0e8fae77918deb5ee (ubuntuserver)

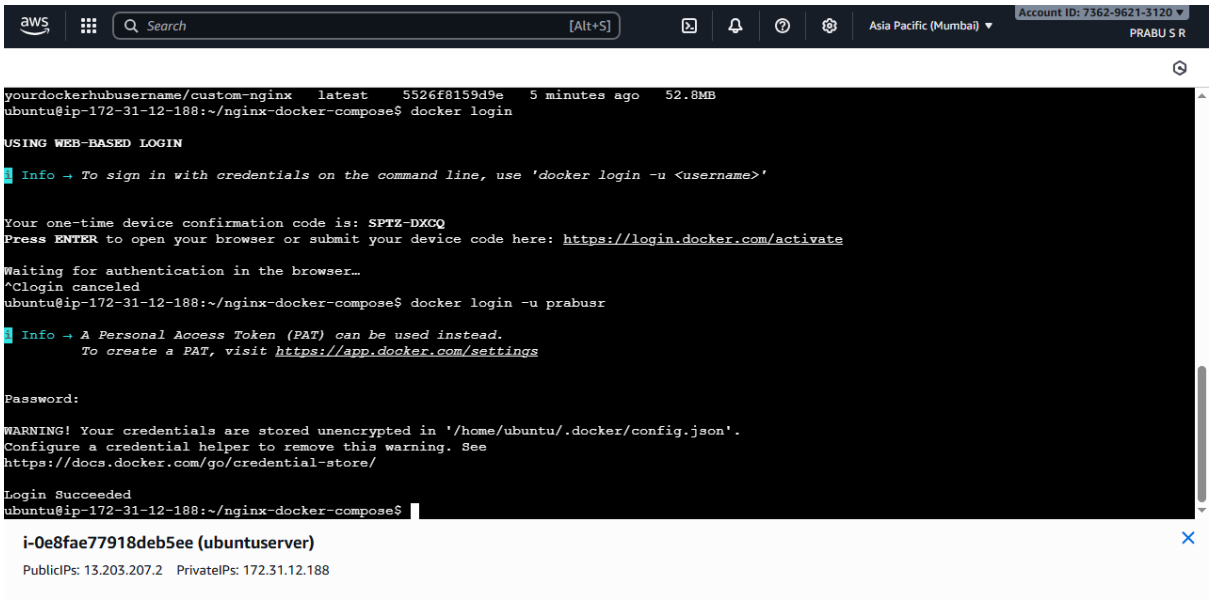
PublicIPs: 13.203.207.2 PrivateIPs: 172.31.12.188

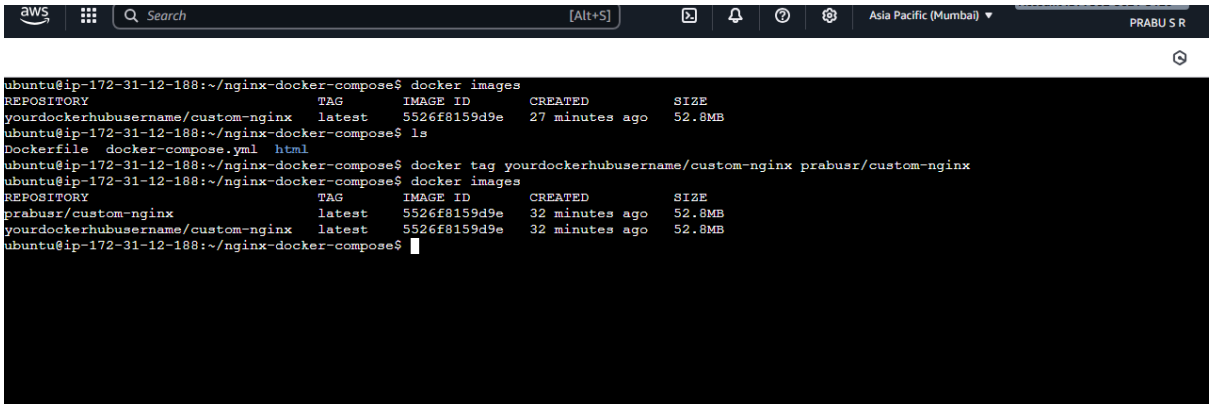
Used **Docker Compose** to deploy

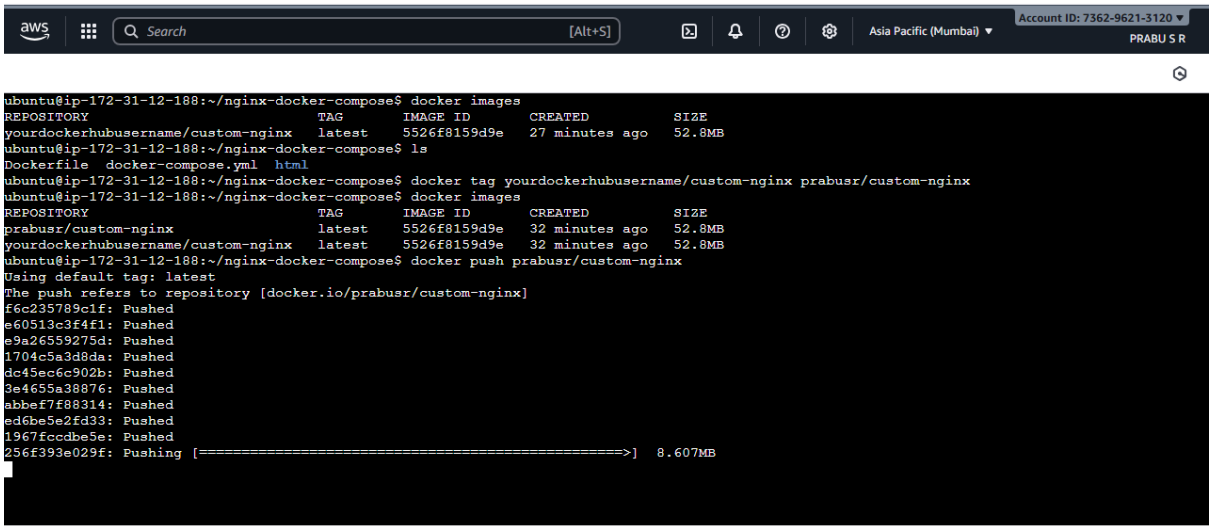


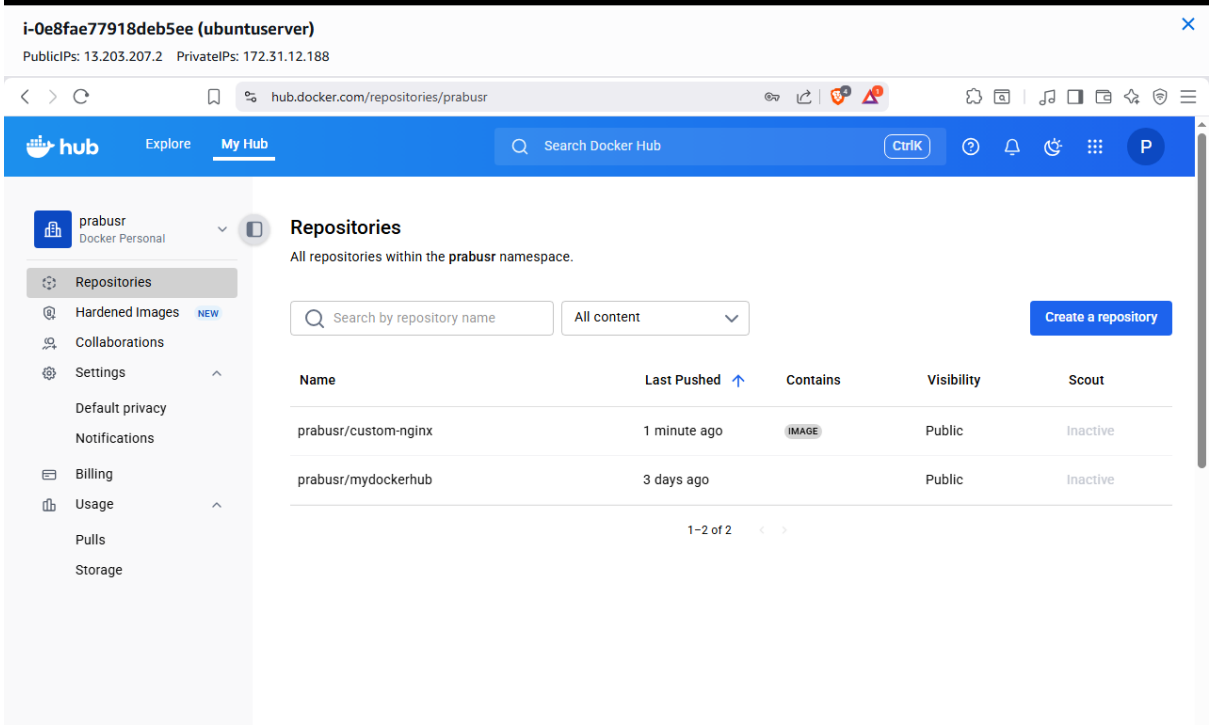
Serving from /var/opt/nginx

Pushed my **docker image to Docker Hub**






aws
Search
[Alt+S]
Asia Pacific (Mumbai)
Account ID: 7362-9621-3120
PRABU S R
ubuntu@ip-172-31-12-188:~/nginx-docker-compose$ docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
yourdockerhubusername/custom-nginx latest 5526f8159d9e 27 minutes ago 52.8MB
ubuntu@ip-172-31-12-188:~/nginx-docker-compose$ ls
Dockerfile docker-compose.yml html
ubuntu@ip-172-31-12-188:~/nginx-docker-compose$ docker tag yourdockerhubusername/custom-nginx prabusr/custom-nginx
ubuntu@ip-172-31-12-188:~/nginx-docker-compose$ docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
prabusr/custom-nginx latest 5526f8159d9e 32 minutes ago 52.8MB
yourdockerhubusername/custom-nginx latest 5526f8159d9e 32 minutes ago 52.8MB
ubuntu@ip-172-31-12-188:~/nginx-docker-compose$ docker push prabusr/custom-nginx
Using default tag: latest
The push refers to repository [docker.io/prabusr/custom-nginx]
f6c235789c1f: Pushed
e60513c3f4f1: Pushed
e9a26559275d: Pushed
1704c5a3d8da: Pushed
dc45ec6c902b: Pushed
3e4655a38876: Pushed
abbef7f88314: Pushed
ed6be5e2fd33: Pushed
1967fccdbe5e: Pushed
256f393e029f: Pushing [==========>] 8.607MB


i-0e8fae77918deb5ee (ubuntuserver)
PublicIPs: 13.203.207.2 PrivateIPs: 172.31.12.188
hub.docker.com/repositories/prabusr
hub
Explore
My Hub
Search Docker Hub
CtrlK
P
prabusr
Docker Personal
Repositories
Hardened Images
NEW
Collaborations
Settings
Default privacy
Notifications
Billing
Usage
Pulls
Storage
Repositories
All repositories within the prabusr namespace.
Search by repository name
All content
Create a repository
Name
Last Pushed
Contains
Visibility
Scout
prabusr/custom-nginx
1 minute ago
IMAGE
Public
Inactive
prabusr/mydockerhub
3 days ago
Public
Inactive
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