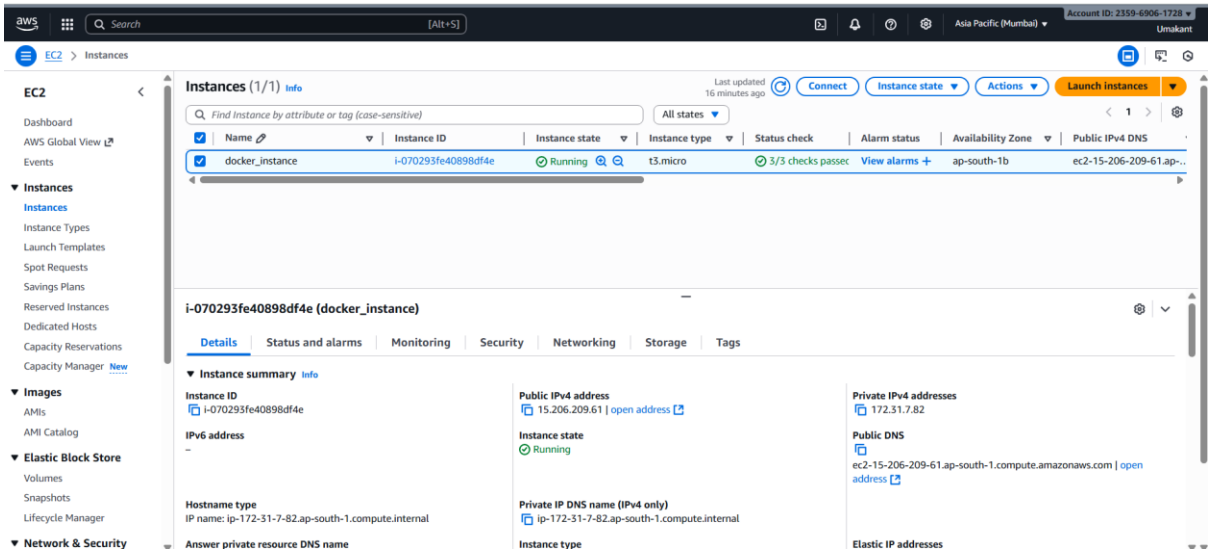
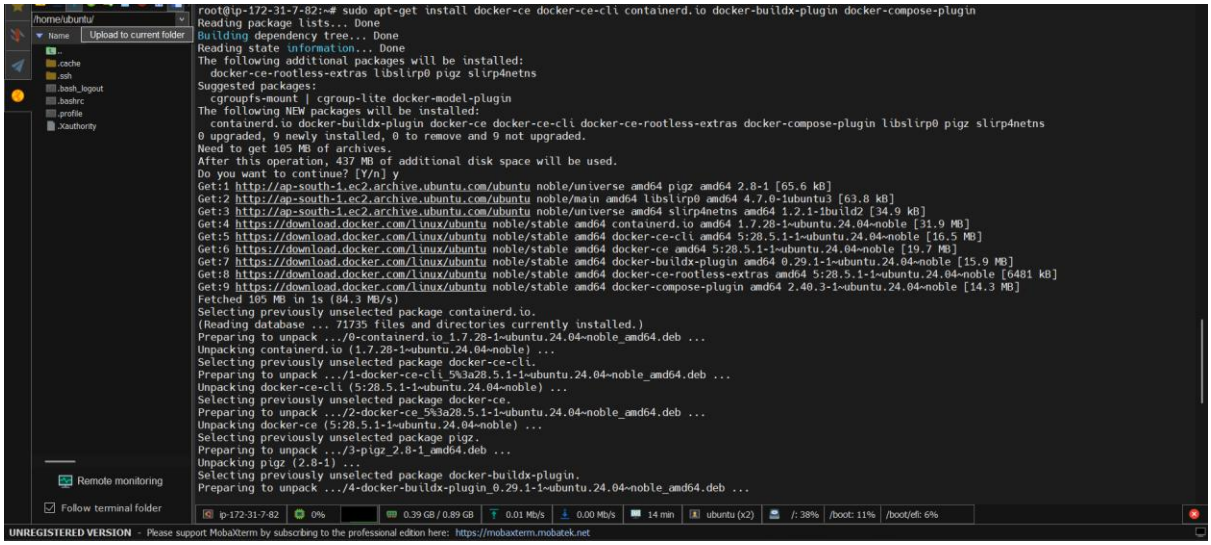
Docker Assignment

Step : Create Ec2 Instance

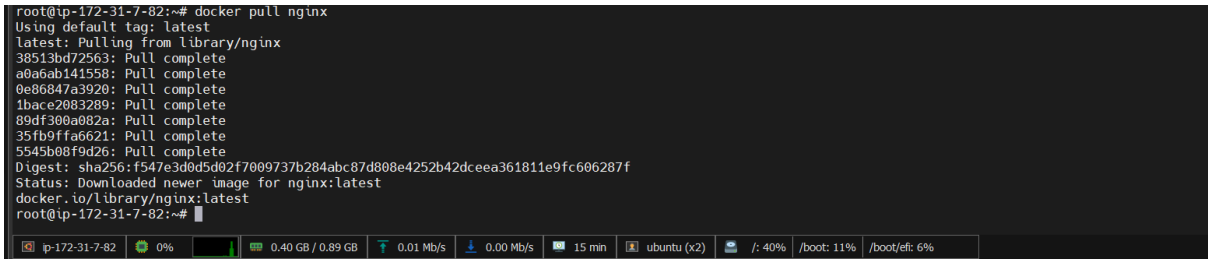


Step : Install Docker on Ec2 server

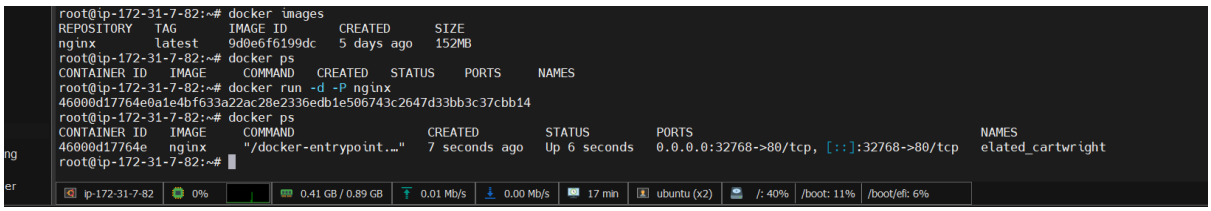
```
root@ip-172-31-7-82:~# # Add Docker's official GPG key:
sudo apt-get update
sudo apt-get install ca-certificates curl
sudo install -m 0755 -d /etc/apt/keyrings
sudo curl -fsSL https://download.docker.com/linux/ubuntu/gpg -o /etc/apt/keyrings/docker.asc
sudo chmod a+r /etc/apt/keyrings/docker.asc

# Add the repository to Apt sources:
echo \
  "deb [arch=$(dpkg --print-architecture) signed-by=/etc/apt/keyrings/docker.asc] https://download.docker.com/linux/ubuntu \
  $(. /etc/os-release && echo "${UBUNTU_CODENAME:-$VERSION_CODENAME}") stable" | \
  sudo tee /etc/apt/sources.list.d/docker.list > /dev/null
sudo apt-get update
Hit:1 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble InRelease
Hit:2 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease
Hit:3 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease
Hit:4 http://security.ubuntu.com/ubuntu noble-security InRelease
Reading package lists... Done
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
ca-certificates is already the newest version (20240203).
ca-certificates set to manually installed.
curl is already the newest version (8.5.0-2ubuntu10.6).
curl set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 9 not upgraded.
Hit:1 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble InRelease
Hit:2 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease
Hit:3 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease
Get:4 https://download.docker.com/linux/ubuntu noble InRelease [48.5 kB]
Hit:5 http://security.ubuntu.com/ubuntu noble-security InRelease
Get:6 https://download.docker.com/linux/ubuntu noble/stable amd64 Packages [33.5 kB]
```



Step : Pull Docker image nginx

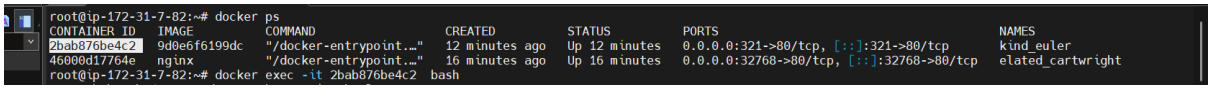


Run docker image nginx

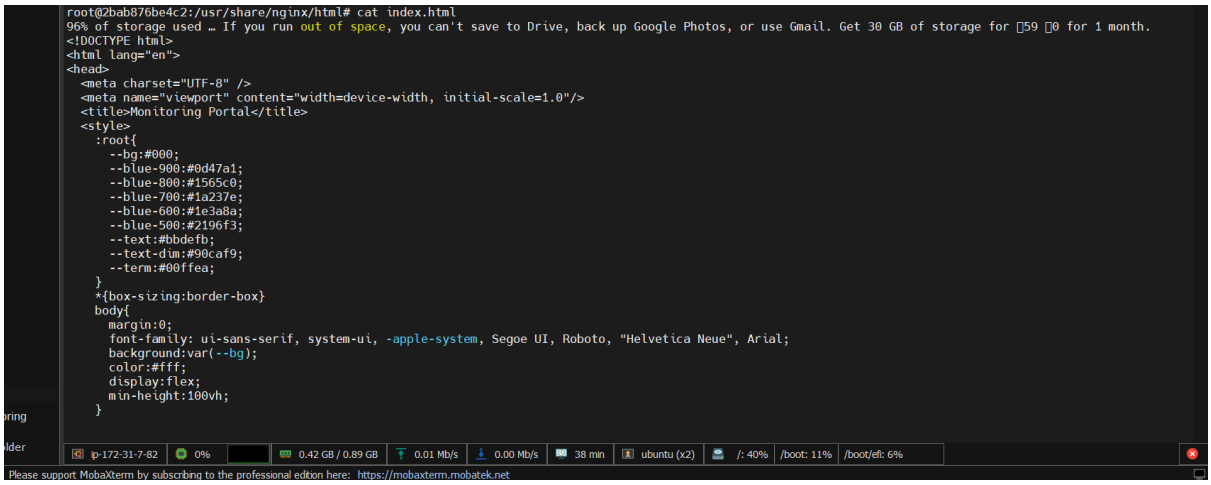


Output

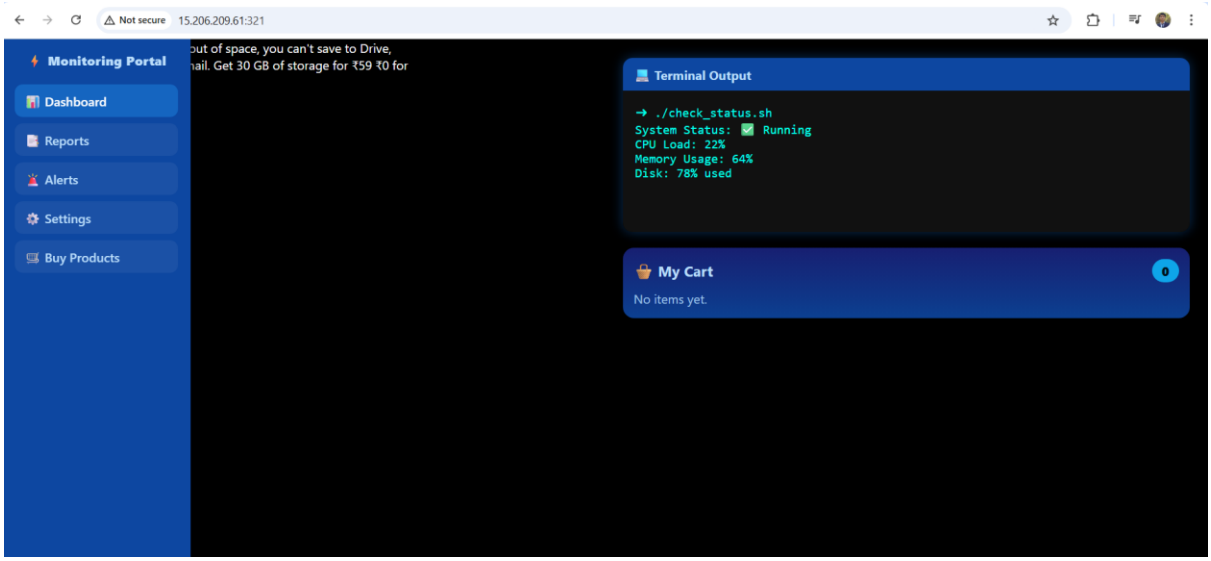
Step : login into Nginx running container



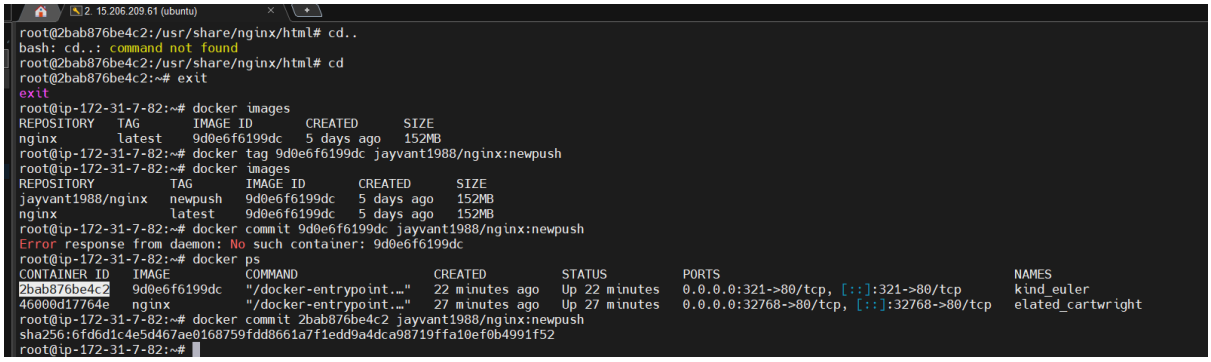
Add index.html file

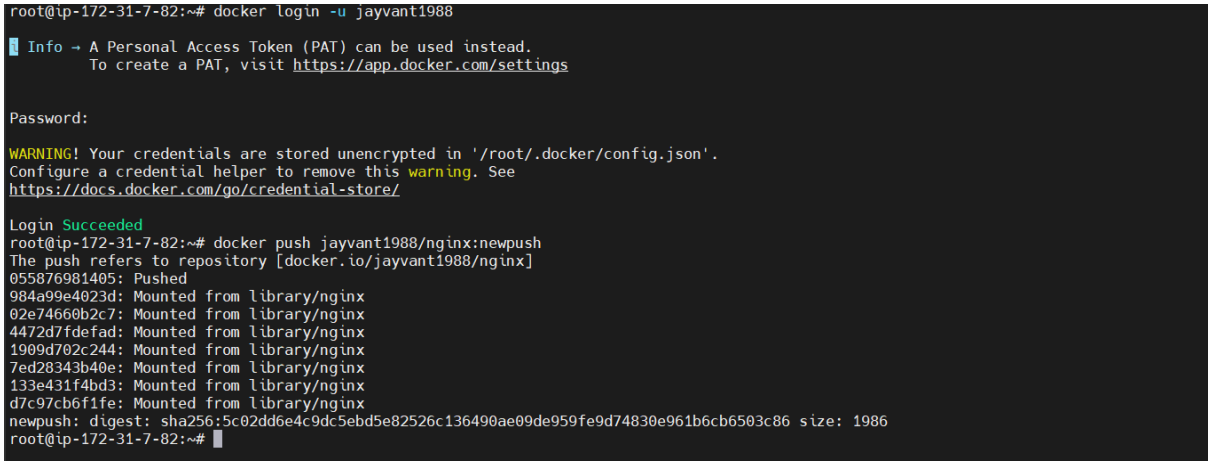


Output

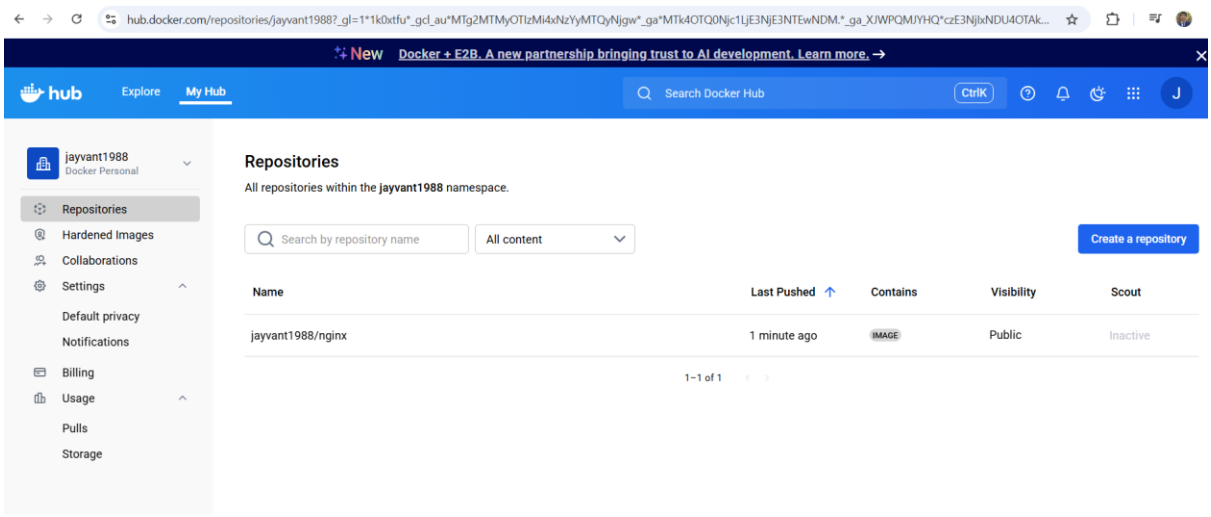


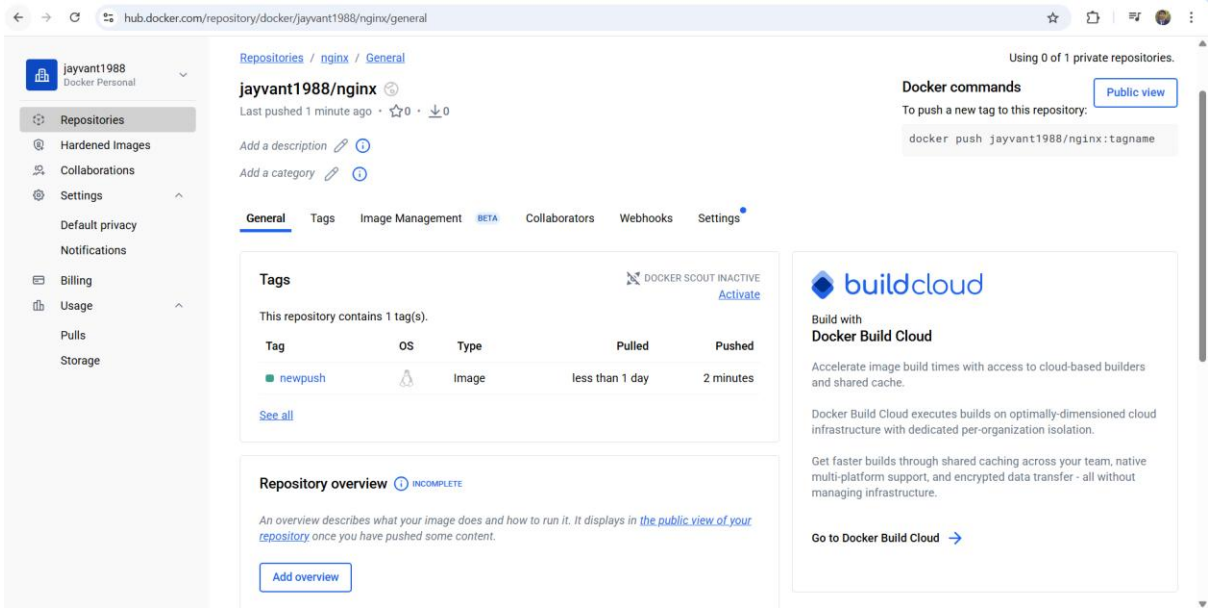
Step: Push Image on docker hub





Output


hub.docker.com/repositories/jayvant1988?_gl=1*1k0xtfu*_gcl_au*MTg2MTMyOTIzMi4xNzYyMTQyNjgw*_ga*MTk4OTQ0Njc1LjE3NjE3NTEwNDM.*_ga_XJWPQMJYHQ*czE3NjIxNDU4OTAk...
New
Docker + E2B. A new partnership bringing trust to AI development. Learn more. →
hub
Explore
My Hub
Search Docker Hub
CtrlK
J
jayvant1988
Docker Personal
Repositories
Hardened Images
Collaborations
Settings
Default privacy
Notifications
Billing
Usage
Pulls
Storage
Repositories
All repositories within the jayvant1988 namespace.
Search by repository name
All content
Create a repository
Name
Last Pushed
Contains
Visibility
Scout
jayvant1988/nginx
1 minute ago
IMAGE
Public
Inactive
1–1 of 1


hub.docker.com/repository/docker/jayvant1988/nginx/general
jayvant1988
Docker Personal
Repositories
Hardened Images
Collaborations
Settings
Default privacy
Notifications
Billing
Usage
Pulls
Storage
Repositories / nginx / General
jayvant1988/nginx
Last pushed 1 minute ago · 0 · 0
Add a description
Add a category
Using 0 of 1 private repositories.
Docker commands
Public view
To push a new tag to this repository:
docker push jayvant1988/nginx:tagname
General
Tags
Image Management
BETA
Collaborators
Webhooks
Settings
Tags
DOCKER SCOUT INACTIVE
Activate
This repository contains 1 tag(s).
Tag
OS
Type
Pulled
Pushed
newpush
Image
less than 1 day
2 minutes
See all
buildcloud
Build with
Docker Build Cloud
Accelerate image build times with access to cloud-based builders and shared cache.
Docker Build Cloud executes builds on optimally-dimensioned cloud infrastructure with dedicated per-organization isolation.
Get faster builds through shared caching across your team, native multi-platform support, and encrypted data transfer - all without managing infrastructure.
Go to Docker Build Cloud
Repository overview
INCOMPLETE
An overview describes what your image does and how to run it. It displays in the public view of your repository once you have pushed some content.
Add overview