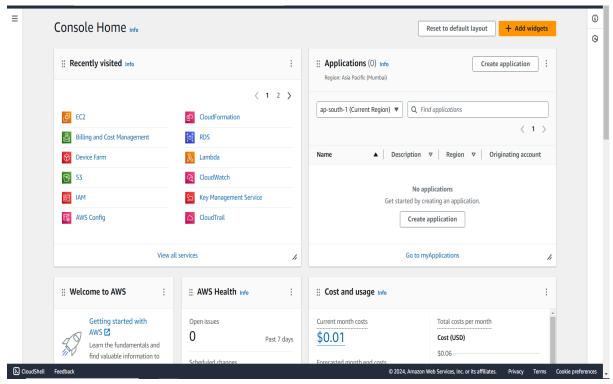
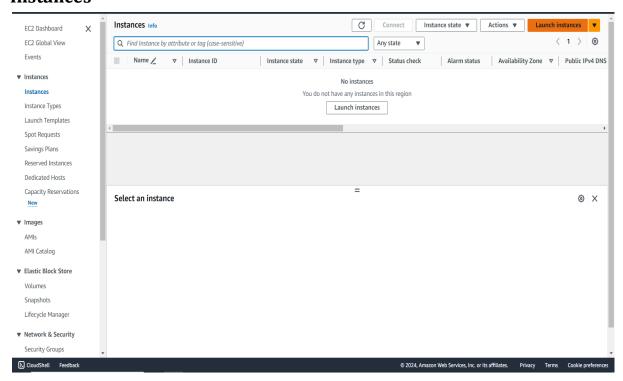
## Create a private registry and push any image in that private registry

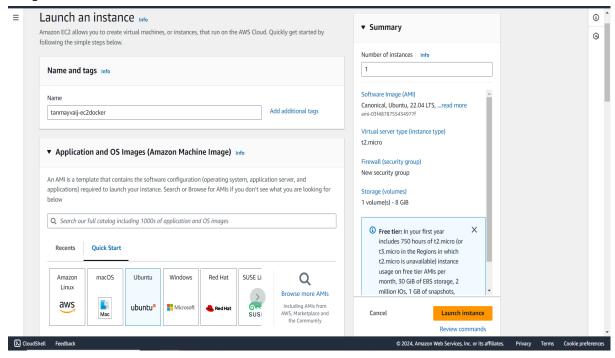
Step 1: Sign in to aws account



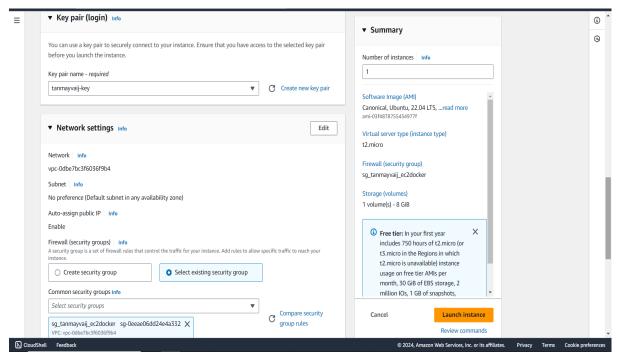
Step 2: Go to 'instances' in the EC2 dashboard and click on 'Launch Instances'



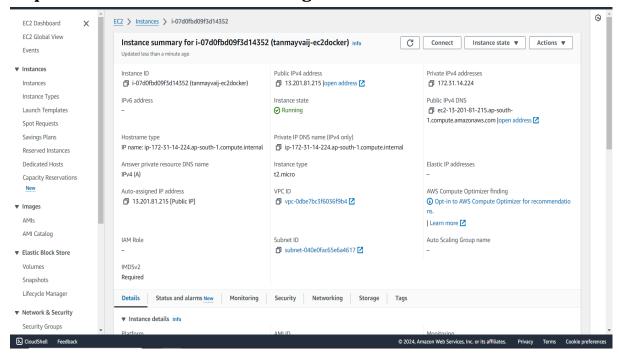
#### Step 3: Give a name to the instance and select ubuntu os



# Step 4: Select key pair and security group and click on 'Launch Instance'



#### Step 5: Click on the created running instance and click on 'Connect'

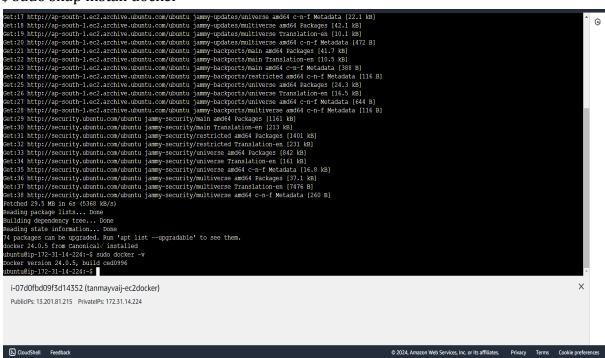


### Step 6: Update the instance and install docker

#### Commands:-

\$ sudo apt update -y

\$ sudo snap install docker



### Step 7: Pull 'registry' image from docker hub

Commands:-

\$ sudo su

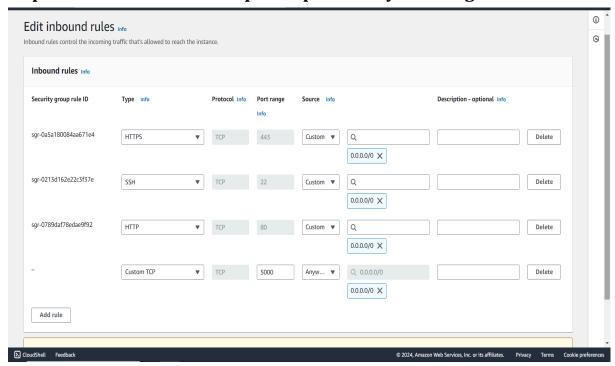
\$ docker pull registry

# Step 8: Check the exposed port of the registry image

Commands:-

\$ docker inspect <image\_id>

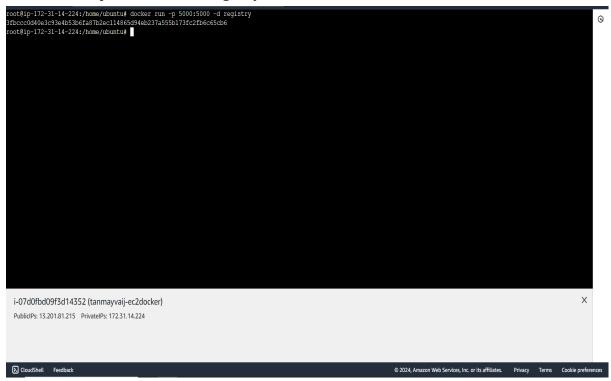
Step 9: Enable traffic on the ports specified by the image



### Step 10: Start the registry container

Command:-

\$ docker run -p 5000:5000 -d registry



## Step 11: Create a Dockerfile and write the following text in it

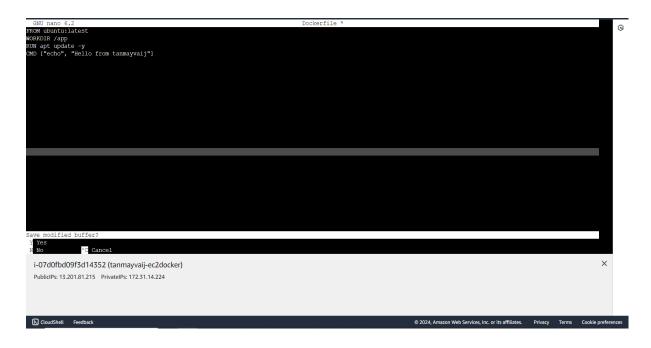
FROM node:21-alpine

WORKDIR /app

COPY..

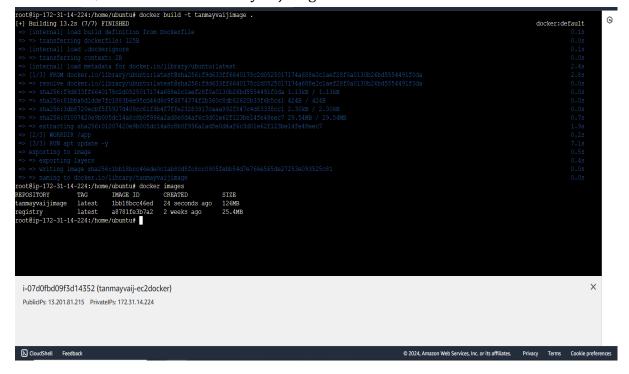
RUN npm install

CMD npm start



# Step 12: Build image using the dockerfile

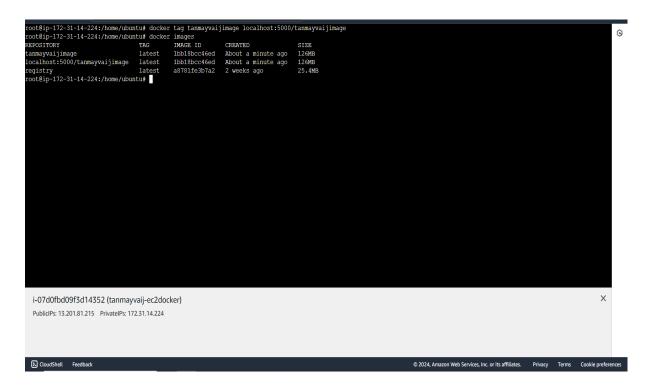
Command:-\$ docker build -t tanmayvaijimage.



#### Step 13: Add the prefix 'localhost:5000' to the created image

Command:-

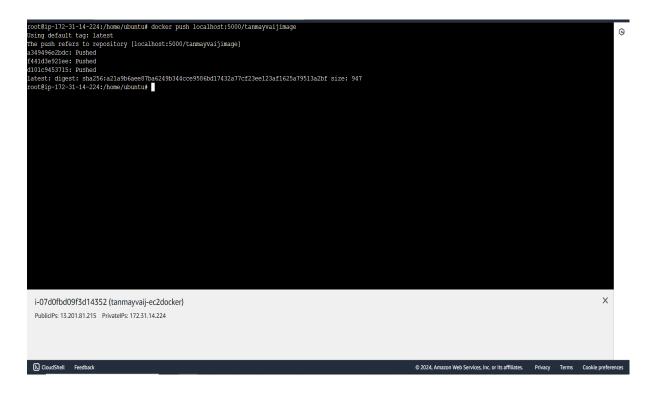
\$ docker tag tanmayvaijimage localhost:5000/tanmayvaijimage



#### Step 14: Push the image to the private registry

Command:-

\$ docker push localhost:5000/tanmayvaijimage



### Step 15: Remove all local images

#### Command:-

\$ docker image rm -f <image\_id>

```
REPOSITORY TAG INAGE ID CREATED SIZE

CORRECT STORY INAGE ID CREATED SIZE

Localhost:5000/tanmayvaijimage latest lbb18bcc46ed 2 minutes ago 126MB

tanmayvaijimage latest lbb18bcc46ed 2 minutes ago 126MB

registry latest a8781fe3b7a2 2 weeks ago 25.4MB

root&ip-172-31-14-224:/home/ubuntut docker image rm -f lbb18bcc46ed 2 minutes ago 126MB

Untagged: tanmayvaijimage:latest

Untagged: tocalhost:5000/tanmayvaijimage:latest

Intagged: localhost:5000/tanmayvaijimage:latest

Intagged: localhost:5000/tanmayvaijimage:latest

Intagged: localhost:5000/tanmayvaijimage:latest

SPOSITORY INAGE IN CREATED SIZE

REPOSITORY TAG INAGE ID CREATED SIZE

Registry latest a8781fe3b1a2 2 weeks ago 25.4MB

oot&ip-172-31-14-224:/home/ubuntut
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (3)
         i-07d0fbd09f3d14352 (tanmayvaij-ec2docker)
          PublicIPs: 13.201.81.215 PrivateIPs: 172.31.14.224
```

# Step 16: Pull and run image from the private registry

#### Command:-

\$ docker run localhost:5000/tanmayvaijimage

