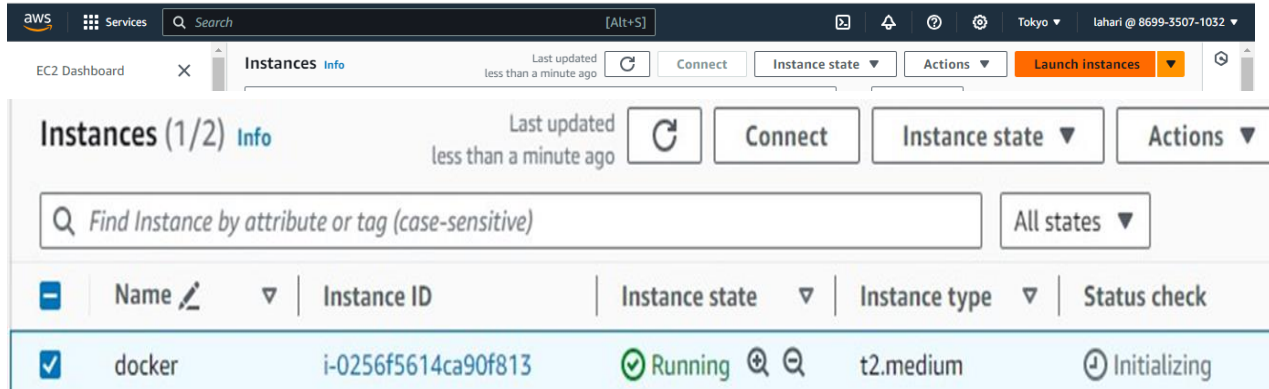# TASK
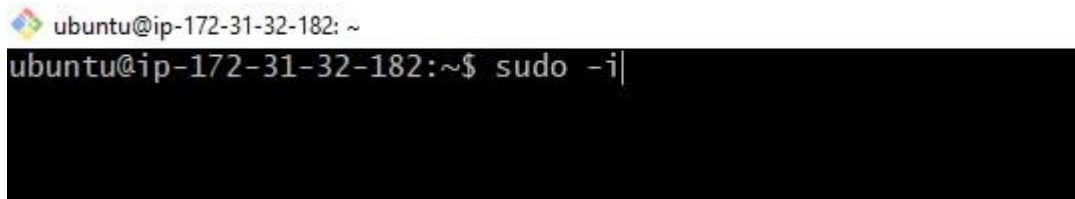
Docker Image Management (Build an image, Give Version, remove the image)

Launch instance and connect to Git Bash

To become a root user the command we use

Sudo -i

To Install docker use the below commands:

apt update -y

apt install docker.io -y and docker --version (to show the version of docker we installed)

BUILD AN IMAGE

To build a Docker image, you need a Dockerfile that contains instructions for building the image. Below script is used to build a Dockerfile.

```
root@ip-172-31-32-182:~# vi Dockerfile
root@ip-172-31-32-182:~# cat dockerfile
FROM ubuntu:latest
RUN apt-get update && apt-get install -y
curl
COPY ./app/app
CMD["./app/start.sh"]
```

To build an image use the below command

Docker build -t <image_name>:<version> .

To show the created docker images use **docker images**

```
root@ip-172-31-32-182:~# vi dockerfile
root@ip-172-31-32-182:~# docker images
REPOSITORY      TAG         IMAGE ID        CREATED          SIZE
<none>          <none>      f0ea8c15e97d    21 minutes ago   134MB
ubuntu          latest      b1e9cef3f297    4 weeks ago      78.1MB
hello-world     latest      d2c94e258dcb    17 months ago    13.3kB
```

VERSION

When building an image, you can directly tag it with a version using the docker tag command.

docker tag <existing_image_id> <image_name>:<new_version>

```
root@ip-172-31-32-182:~# docker tag b1e9cef3f297 vcube:nginx
```

```
root@ip-172-31-32-182: ~
root@ip-172-31-32-182:~# docker images
REPOSITORY      TAG         IMAGE ID        CREATED          SIZE
<none>          <none>      f0ea8c15e97d    26 minutes ago   134MB
ubuntu          latest      b1e9cef3f297    4 weeks ago      78.1MB
ubuntu          nginx       b1e9cef3f297    4 weeks ago      78.1MB
```

This tags the image with ID b1e9cef3f297 as nginx

REMOVING AN IMAGE

To delete a Docker image from your system, use the docker rmi <image_name> command

```
root@ip-172-31-32-182:~# docker rmi f0ea8c15e97d
Deleted: sha256:f0ea8c15e97df2fd6873f4c63e895e9f6cc202973ff790cb5c8a2ea87c6edb35
Deleted: sha256:fc7f710d357d01ed02188f907cfd097dcb5ff6e42992e9c63012d9e0356b79d7
root@ip-172-31-32-182:~#
```