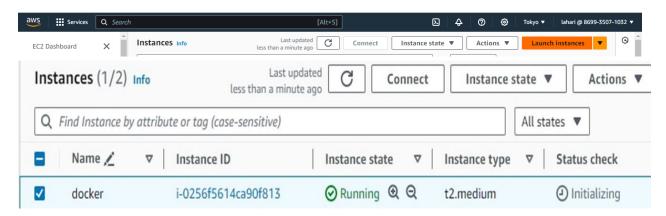
TASK

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

```
    ubuntu@ip-172-31-32-182: ~
    ubuntu@ip-172-31-32-182:~$ 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)

```
root@ip-172-31-32-182:~# apt install docker.io -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
docker.io is already the newest version (24.0.7-Oubuntu4.1).
0 upgraded, 0 newly installed, 0 to remove and 143 not upgraded.
root@ip-172-31-32-182:~# docker --version
Docker version 24.0.7, build 24.0.7-Oubuntu4.1
```

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**

```
oot@ip-1/2-31-32-182:~# vi dockerfile
root@ip-172-31-32-182:~# docker images
REPOSITORY
              TAG
                         IMAGE ID
                                        CREATED
              <none>
                         f0ea8c15e97d
                                         21 minutes ago
                                                           134MB
<none>
                         ble9cef3f297
                                                          78.1MB
ubuntu
              latest
                                        4 weeks ago
hello-world
              latest
                         d2c94e258dcb
                                        17 months ago
```

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>

```
oot@ip-172-31-32-182:~# docker tag ble9cef3f297 vcube:nginx
root@ip-172-31-32-182: ~
root@ip-172-31-32-182:~# docker images
REPOSITORY
                         IMAGE ID
                                          CREATED
                                                             SIZE
<none>
              <none>
                         f0ea8c15e97d
                                          26 minutes ago
                                                             134MB
                         b1e9cef3f297
              latest
                                          4 weeks ago
                                                             78.1MB
ubuntu
                                          4 weeks ago
                         ble9cef3f297
                                                             78.1MB
              nginx
```

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:~#