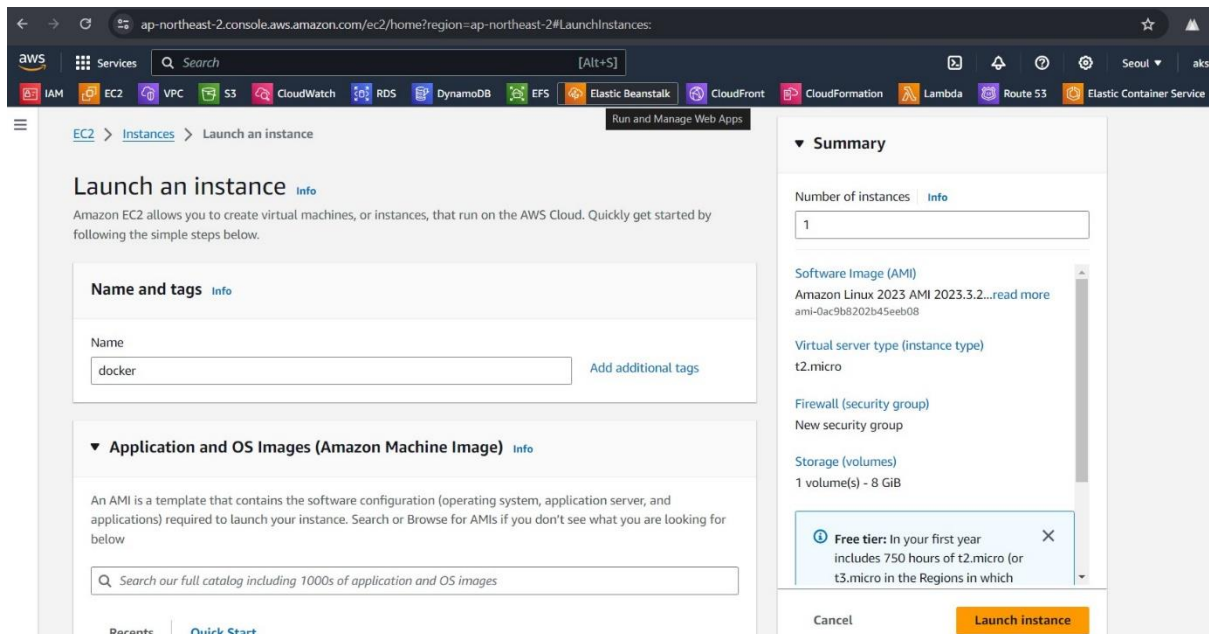


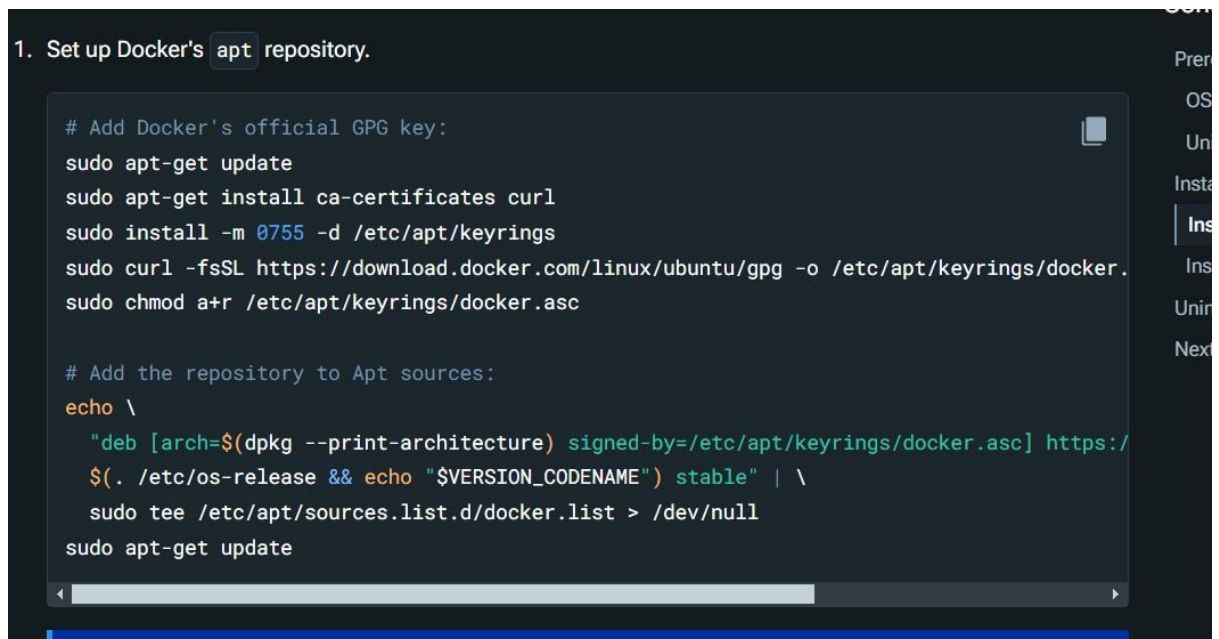
NAME = Akshay choudhary

TASK = hosting nginx via docker container

- 1) Create EC2 instance and use ubuntu image also add port in instance security group
With port number 8080,80



- 2) Launch EC2 instance and install docker in it using below command



- 3) Check this version docker

- Docker – version

4) After installing docker use below commands to host nginx

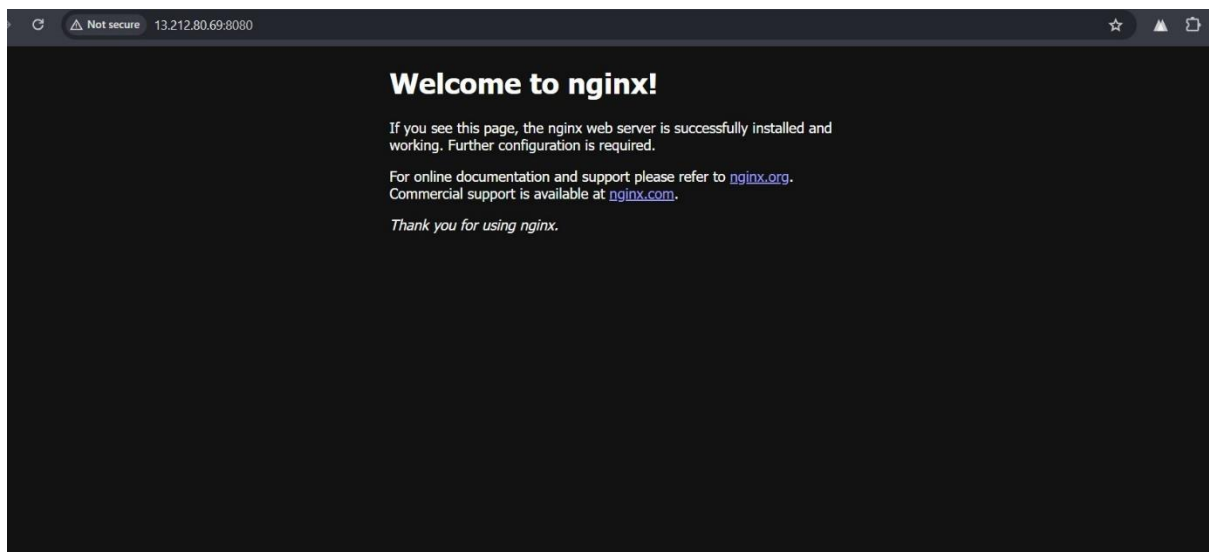
- `sudo systemctl start docker`
- `docker run -d nginx`
- `docker ps`

```
ubuntu@ip-172-31-14-61:~$ sudo -i
root@ip-172-31-14-61:~# docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS                               NAMES
b5115fbc4642   tomcat    "catalina.sh run"        37 minutes ago Up 37 minutes 0.0.0.0:32768->8080/tcp, :::32768->8080/tcp   gracious_black
249cd7e33fd3   nginx     "/docker-entrypoint..." 37 minutes ago Up 37 minutes 0.0.0.0:8080->80/tcp, :::8080->80/tcp         musing_ishizaka
root@ip-172-31-14-61:~#
```

5) Do port mapping to connect your host server and container, use below command.
`Docker run -d -p 8080:80 nginx`

- `Docker ps` (check this on mapping)

6) Go to the chrome and hit the public IP to show the nginx is running or not if its not running check user instance security group.



7) After hosting of nginx go into the container using below command. `docker exec -it bash` or `sh`

8) Go to the container and host index.html using below commands.

- `cd /usr/share/nginx/`
- `ls`
- `cd html/`
- `Ls`
- `echo "this is devop project" > index.html`

9) Index.html page hosted.