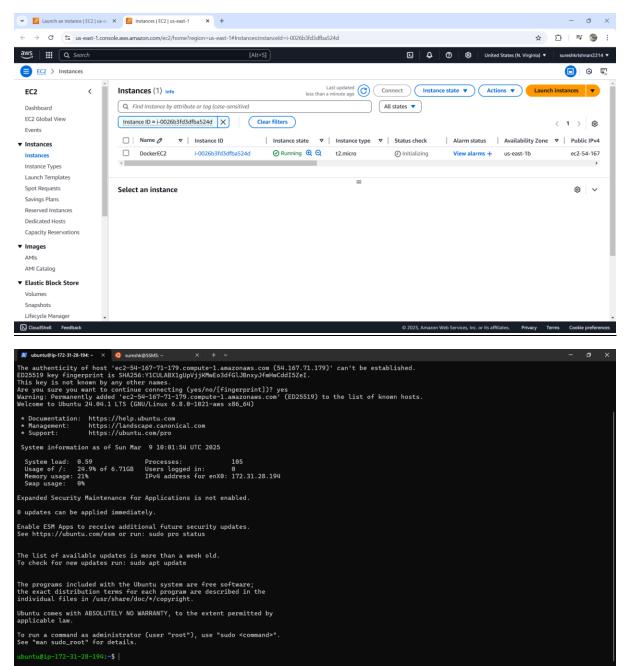
Docker Task -3

Creating EC2 Instance:



Installing Docker & Compose:

```
Get:16 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Components [151 kB]
Get:17 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Components [151 kB]
Get:17 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 ScAages [195 kB]
Get:28 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 ScAages [196 kB]
Get:28 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Components [364 kB]
Get:22 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Components [364 kB]
Get:22 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Components [364 kB]
Get:22 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Packages [794 kB]
Get:23 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Packages [794 kB]
Get:25 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Components [364 kB]
Get:26 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Components [398 kB]
Get:27 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Components [398 kB]
Get:28 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 Components [298 kB]
Get:38 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 Components [298 kB]
Get:38 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 Components [298 kB]
Get:38 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse
```

```
Unpacking docker in (26.1.3-0ubntul-24.04.1) ...
Selecting previously unselected package ubnturian.
Preparing to unpack .../15-ubnturian_6.12.16.all.deb ...
Unpacking ubnturian (0.12.16) ...
Setting up python3-dotten (1.0.1-1) ...
Setting up pyth
```

Creating a custom Nginx Docker Image:

Creating a Docker file:

Creating a custom HTML file:

```
ubuntu@ip-172-31-28-194:~/ × sureshk@SSMS:~ × + v

ubuntu@ip-172-31-28-194:~/nginx-custom$ vi Dockerfile
ubuntu@ip-172-31-28-194:~/nginx-custom$ cat Dockerfile
FROM nginx:latest
COPY custom-index.html /usr/share/nginx/html/index.html
ubuntu@ip-172-31-28-194:~/nginx-custom$ echo "<h1>Welcome to Custom Nginx</h1>" > custom-index.html
```

Build & Push Docker Image to Docker Hub:

Build the Docker Image:

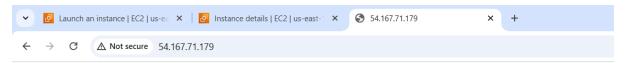
Pushing the Image to Docker Hub:

```
wbuntu@ip=172-31-28-194:~/nginx-custom$ docker tag nginx-custom sureshkrishnan2214/nginx-custom
permission denied while trying to connect to the Docker daemon socket at unix://var/run/docker.sock: Post "http://%2Fvar%2Frun%2Fdocker.sock/v1.45/images/n
ginx-custom/tag?reporesureshkrishnan2214/rpginx-customs/sudo docker tag nginx-custom sureshkrishnan2214/nginx-custom
ubuntu@ip=172-31-28-194:~/nginx-custom$ sudo docker tag nginx-custom sureshkrishnan2214/nginx-custom
Using default tag: latest
The push refers to repository [docker.io/sureshkrishnan2214/nginx-custom]
559fb33*4]46: Pushed
55e9644*2103: Pushed
6fd5815*f290e: Pushed
6fd5815*f290e: Pushed
6fd5826456e: Pushed
6fd5826456e: Pushed
6fd5826456be: Pushed
6fd68276456e: Pushed
6fd68315*f290e: Pushed
```

Creating a Docker Compose File:

Deploying Nginx using Docker Compose:

Output of the Index.html:



Welcome to Custom Nginx