Docker Image Upload & Container Creation((AWS Linux / EC2):

✅ Correct way (step by step on EC2)

Login into your Amazon Ec2 instances using cmd

📁 Step 1: Create a working directory

mkdir nginx-docker

cd nginx-docker

📝 Step 2: Create the Dockerfile

vi Dockerfile

Press `i` (insert mode) and paste:

FROM nginx

COPY index.html /usr/share/nginx/html/index.html

Save & exit:

ESC ➜ :wq ➜ Enter

🌐 Step 3: Create `index.html`

vi index.html

Paste:

<!DOCTYPE html>

```
<html>
<head>
  <title>Docker on EC2</title>
</head>
<body>
  <h1>Hello from Nginx inside Docker 🚀</h1>
  <p>Running on AWS EC2</p>
</body>
</html>
```

Save & exit.

🏗️ Step 4: Build the Docker image

```
docker build -t my-nginx-image .
```

You should see steps like:

Step 1/2 : FROM nginx

Step 2/2 : COPY index.html ...

Successfully built ...

▶️ Step 5: Run the container

```
docker run -d -p 80:80 --name my-nginx my-nginx-image
```

🌍 Step 6: Access from browser

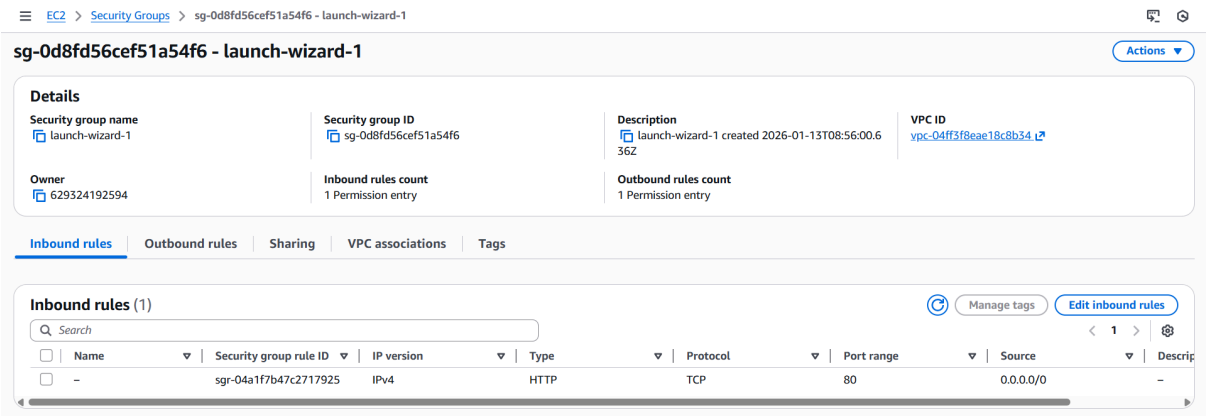
Open your browser and visit:

http://<EC2-Public-IP> i.e **http://13.53.198.16/**

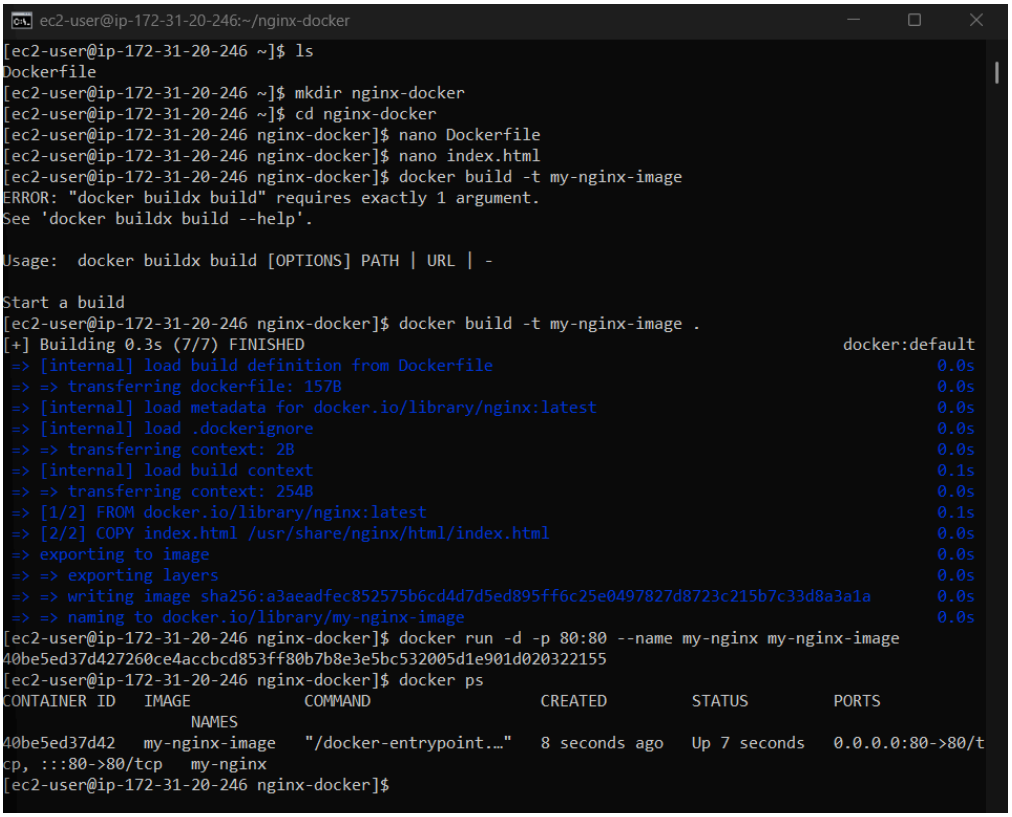
⚠️ Make sure EC2 **Security Group** allows:

- **Inbound → HTTP → Port 80 → 0.0.0.0/0**

  If not click on Edit inbound rules



OUTPUT:



Hello from NGINX inside Docker

Running on AWS EC2