Step 1: Launch EC2 Instance

1. Go to AWS Console → EC2 → Launch Instances

2. Choose:

- AMI: Amazon Linux 2023

- Instance Type: t2.micro

- VPC / Subnet: Default

- Security Group: Default

3. Key Pair: existing key pair

4. Launch the instance

Step 2: Connect via SSH

Switch to root:

sudo su

cd

Step 3: Install Docker & GIT

yum update -y

yum install -y docker

service start docker

docker –version

yum install git -y

Step 4: Create Application Directory

mkdir app

cd app

git init

Create index.html & Dockerfile file

vim index.html

hi iam Abi

save & exit

Step 5: Create Dockerfile

Vim Dockerfile

FROM nginx:latest Use official Nginx image

WORKDIR /app Creating container working directory

COPY . . Copy all files into container /app

COPY index.html /usr/share/nginx/html/ copy into nginx path

ENTRYPOINT ["nginx"] when this container starts, run the nginx

CMD ["-g","daemon off;"] tells Nginx to **stay in the foreground**

Will execute as [ ENTRYPOINT+ CMD ]

Step 6: Build Docker Image

docker build -t myimg .

docker image ls

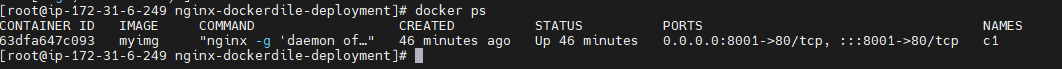
A black screen with white text

AI-generated content may be incorrect.

Step 7: Run Docker Container

docker run -itd –name c1 -p 8001:80 myimg

docker ps



Step 10: Access Application

Open your browser:

http://13.204.143.4:8001/

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A screenshot of a computer

AI-generated content may be incorrect.

Step 11

git push <https://github.com/jagadamma/nginx-dockerdile-deployment.git>

A screenshot of a computer

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