**Creating Custom Dockerfile**

nano Dockerfile

# Use the official Nginx base image

FROM nginx:latest

# Copy custom configuration

COPY nginx.conf /etc/nginx/nginx.conf

# Create the directory for bind mount

RUN mkdir -p /var/opt/nginx

# Expose port 80

EXPOSE 80

# Start Nginx

CMD ["nginx", "-g", "daemon off;"]

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**Creating Custom Nginx Configuration**

nano nginx.conf

**events {}**

**http {**

**server {**

**listen 80;**

**root /var/opt/nginx;**

**index index.html;**

**}**

**}**

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**Building the Docker Image**

docker build -t my-custom-nginx .

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Starting the container using **Docker Compose**:

nano docker-compose.yaml

version: '3.8'

services:

nginx:

build: .

container\_name: custom-nginx

ports:

- "8080:80"

volumes:

- ./html:/var/opt/nginx

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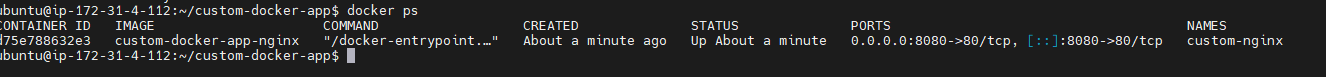
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Starting the container using docker compose

docker compose up -d

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**Pushing the Custom Image to Docker Hub**

docker login

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Tagging the image

docker tag custom-nginx-app amalinbics/custom-nginx-app

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Pushing the docker image

docker push amalinbics/custom-nginx-app

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