

```
[ec2-user@ip-172-31-21-184 ~]$ pwd
/home/ec2-user
[ec2-user@ip-172-31-21-184 ~]$ touch index.html Dockerfile docker-compose.yml
[ec2-user@ip-172-31-21-184 ~]$ sudo rm -rf index.html
[ec2-user@ip-172-31-21-184 ~]$ touch index.html
[ec2-user@ip-172-31-21-184 ~]$ vi index.html
[ec2-user@ip-172-31-21-184 ~]$ vi index.html
[ec2-user@ip-172-31-21-184 ~]$ vi Dockerfile
[ec2-user@ip-172-31-21-184 ~]$ vi docker-compose.yml
[ec2-user@ip-172-31-21-184 ~]$ docker build . -t custom-nginx:latest
[+] Building 0.2s (6/6) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 363B
=> [internal] load metadata for docker.io/library/nginx:latest
=> [internal] load .dockerignore
=> => transferring context: 2B
=> [1/2] FROM docker.io/library/nginx:latest
=> [2/2] WORKDIR /var/opt/nginx
=> exporting to image
=> => exporting layers
=> => writing image sha256:ad3d2f4f74aa56196ac7546f25783ed1243e8ef0b44f76aff3ae67ec1d6c0dc5
=> => naming to docker.io/library/custom-nginx:latest
[ec2-user@ip-172-31-21-184 ~]$ docker image ls
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
custom-nginx	latest	ad3d2f4f74aa	9 seconds ago	192MB
ec2-user-web	latest	ca8fb7b61dce	5 hours ago	146MB
nginx	latest	4e1b6bae1e48	11 days ago	192MB
tomcat	latest	25c101ff077b	2 weeks ago	475MB
httpd	latest	10fd72f437c4	3 months ago	148MB

```
[ec2-user@ip-172-31-21-184 ~]$ cat Dockerfile
# Dockerfile
FROM nginx:latest

# Set a working directory (optional)
WORKDIR /var/opt/nginx

# Copy custom configuration (optional if you have one)
# COPY ./default.conf /etc/nginx/conf.d/default.conf

# Expose port 80
EXPOSE 80

# Use default CMD from nginx image
```

```
[ec2-user@ip-172-31-21-184 ~]$ cat Dockerfile
# Dockerfile
FROM nginx:latest

# Set a working directory (optional)
WORKDIR /var/opt/nginx

# Copy custom configuration (optional if you have one)
COPY default.conf /etc/nginx/conf.d/default.conf

# Expose port 80
EXPOSE 80

# Use default CMD from nginx image
[ec2-user@ip-172-31-21-184 ~]$
```

```
[ec2-user@ip-172-31-21-184 ~]$ cat docker-compose.yml
version: '3.8'

services:
  nginx:
    image: custom-nginx:latest
    ports:
      - "8080:80"
    volumes:
      - ./html:/var/opt/nginx
```

```
[ec2-user@ip-172-31-21-184 ~]$ docker-compose up -d
WARN[0000] /home/ec2-user/docker-compose.yml: the attribute 'version' is obsolete, it will be ignored, please remove it to avoid potential confusion
[+] Running 2/2
 ✓ Network ec2-user_default    Created
 ✓ Container ec2-user-nginx-1  Started
[ec2-user@ip-172-31-21-184 ~]$
```

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Hello from custom Nginx Docker Image