

Dockerfile & Docker Hub

1. Create your own NGINX docker image(not using official image)

Create a Dockerfile for NGINX image

Edit file /usr/share/nginx/html/index.html and add a custom index.html through docker file

Create a container from Nginx image and publish port 8080

Exec bash on it and install nano

Check on localhost:8080 changes

Push image to docker hub in your docker registry, ECR, GCR

Solution :-

Dockerfile :-

```
FROM ubuntu:16.04
```

```
RUN apt-get update -y \
```

```
    && apt-get install -y nginx \
```

```
    && apt-get clean
```

```
RUN rm -frv /var/www/html/*
```

```
COPY index.html /var/www/html/index.html
```

```
RUN chmod +r /var/www/html/index.html
```

EXPOSE 8080

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

Index.html file:-

```
<html>
```

```
<header><title>This is title</title></header>
```

```
<body>
```

```
Austin Dsouza
```

```
</body>
```

```
</html>
```

```
austin@Quantiphi-745: ~/dock
File Edit View Search Terminal Help
austin@Quantiphi-745:~/dock$ sudo docker build -t docker-austin .
Sending build context to Docker daemon 3.072kB
Step 1/7 : FROM ubuntu:16.04
----> 13c9f1285025
Step 2/7 : RUN apt-get update -y      && apt-get install -y nginx      && apt-get clean
----> Using cache
----> af888b9fed89
Step 3/7 : RUN rm -frv /var/www/html/*
----> Using cache
----> 93e53c5f21a1
Step 4/7 : COPY index.html /var/www/html/index.html
----> Using cache
----> 0457dc886449
Step 5/7 : RUN chmod +r /var/www/html/index.html
----> Running in 609fedb67cab
Removing intermediate container 609fedb67cab
----> 3a01848626c0
Step 6/7 : EXPOSE 8080
----> Running in d829bb085209
Removing intermediate container d829bb085209
----> c5052308377e
Step 7/7 : CMD ["nginx","-g","daemon off;"]
----> Running in 4aca461ff92e
Removing intermediate container 4aca461ff92e
----> f2704892f2f0
Successfully built f2704892f2f0
Successfully tagged docker-austin:latest
austin@Quantiphi-745:~/dock$ sudo docker run -d -p 8080:80 docker-austin
eb323d40843d6a5c16cd1184b5e7094233f66b4f248c5821cdebfd2989ef0b88
austin@Quantiphi-745:~/dock$ sudo docker ps
CONTAINER ID        IMAGE               COMMAND                  CREATED              STATUS              PORTS               NAME
eb323d40843d        docker-austin      "nginx -g 'daemon of..." 12 seconds ago      Up 10 seconds      8080/tcp, 0.0.0.0:8080->80/tcp   luci
austin@Quantiphi-745:~/dock$
```



