Create a custom docker image for nginx and deploy it using docker compose, where the volume bind mount should be at /var/opt/nginx location. Push the created custom docker image to your docker-hub.

STEP 1 - Create a custom docker image for nginx

```
root@ip-172-31-10-183:/home/ubuntu/git-to-github# docker pull nginx
Using default tag: latest
latest: Pulling from library/nginx
a2318d6c47ec: Pull complete
095d327c79ae: Pull complete
bbfaa25db775: Pull complete
7bb6fb0cfb2b: Pull complete
0723edc10c17: Pull complete
24b3fdc4d1e3: Pull complete
3122471704d5: Pull complete
Digest: sha256:04ba374043ccd2fc5c593885c0eacddebabd5ca375f9323666f28dfd5a9710e3
Status: Downloaded newer image for nginx:latest
docker.io/library/nginx:latest
root@ip-172-31-10-183:/home/ubuntu/git-to-github# vim docker-compose.yml
root@ip-172-31-10-183:/home/ubuntu/git-to-github# docker-compose up
! nginx Warning
[+] Building 2.1s (9/9) FINISHED
```

- > Docker pull nginx command for pull the image from hub
- > Vim command for create a file
- > Docker-compose up command for execute a container

100c@1b-11S-31-10-	roa./nome/	ubuncu/ grc-co-g.	rchan# ancver mai	yes —
REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
newtask-web	latest	714c9b757776	24 minutes ago	43.2MB
ngnix	latest	f5372f0b5426	2 hours ago	1.02GB
<none></none>	<none></none>	ba98772562a3	2 hours ago	1.02GB
git-to-github-web	latest	a8cc55ee2040	2 hours ago	1.02GB
<none></none>	<none></none>	298aff1aa7c7	2 hours ago	1.02GB
<none></none>	<none></none>	1a001f36df9b	2 hours ago	1.04GB
<none></none>	<none></none>	f3919eeb04e1	2 hours ago	1.04GB
nginx	latest	39286ab8a5e1	5 weeks ago	188MB
10: 170 21 10 102 ()				

> Docker images command for list all images

STEP 2 - deploy it using docker compose, where the volume bind mount should be at /var/opt/nginx location.

Docker-compose.yml file

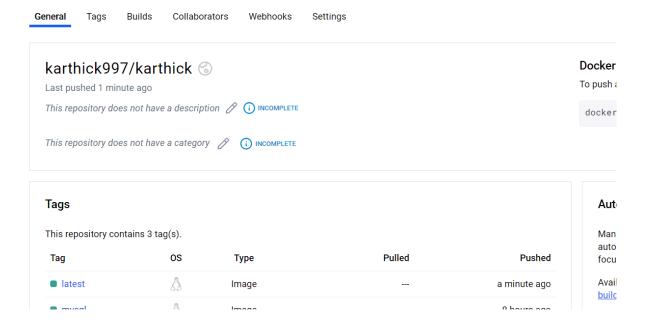
```
services:
    nginx:
    build: .
    image: ngnix:latest
    container_name: myteam
    ports:
        - "8080:80"
    volumes:
        - ./nginx-data:/var/opt/nginx
    restart: always
```

Deployment

```
nyteam | Kandom Cat Fact:
nyteam | ("data":["A form of AIDS exists in cats."])
nyteam exited with code 0
nyteam exited with code 0
nyteam exited with code 0
nyteam | Random Cat Fact:
nyteam exited with code 0
nyteam | Random Cat Fact:
nyteam | Random C
```

STEP 3 - Push the created custom docker image to your docker-hub.

```
root@ip-172-31-10-183:/home/ubuntu/git-to-github# docker login
Login with your Docker ID to push and pull images from Docker Hub. If you don't have a Docker ID, head over to htt
Username: karthick997
Password:
WARNING! Your password will be stored unencrypted in /root/snap/docker/2932/.docker/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store
Login Succeeded
root@ip-172-31-10-183:/home/ubuntu/git-to-github# docker push karthick997/karthick:latest
The push refers to repository [docker.io/karthick997/karthick]
11de3d47036d: Mounted from library/nginx
16907864a2d0: Mounted from library/nginx
2bdf51597158: Mounted from library/nginx
Ofc6bb94eec5: Mounted from library/nginx
eda13eb24d4c: Mounted from library/nginx
67796e30ff04: Mounted from library/nginx
8e2ab394fabf: Mounted from library/nginx
latest: digest: sha256:596c783ac62b9a43c60edb876fe807376cd5022a4e25e89b9a9ae06c374299d4 size: 1778
root@ip-172-31-10-183:/home/ubuntu/git-to-github#
```



- > Docker login command for login the dockerhub from vm using username and passwd of dockerhub
- Docker push <username><reposi. name>:<image tag> command for push the image to docker hub