Docker Task -3

Task Description:

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.

```
root@ip-172-31-12-67:~# mkdir custom-nginx && cd custom-nginx
root@ip-172-31-12-67:~/custom-nginx# mkdir site-content
root@ip-172-31-12-67:~/custom-nginx# touch site-content/index.html
root@ip-172-31-12-67:~/custom-nginx# echo '<h1>Hello from /var/opt/nginx</h1>' > site-content/index.html
root@ip-172-31-12-67:~/custom-nginx# nano nginx.conf'
root@ip-172-31-12-67:~/custom-nginx# docker login -u ashok070
 Info \rightarrow A Personal Access Token (PAT) can be used instead.
          To create a PAT, visit <a href="https://app.docker.com/settings">https://app.docker.com/settings</a>
Password:
WARNING! Your credentials are stored unencrypted in '/root/.docker/config.json'.
Configure a credential helper to remove this warning. See
https://docs.docker.com/go/credential-store/
Login Succeeded
root@ip-172-31-12-67:~/custom-nginx# docker push ashok070/custom-nginx:1.0
The push refers to repository [docker.io/ashok070/custom-nginx]
f62eb32901aa: Pushed
bc8c5794520b: Pushed
640e06e412a9: Mounted from library/nginx
bd66bdd2f47f: Mounted from library/nginx
4f313ed230a0: Mounted from library/nginx
36acb230000e: Mounted from library/nginx
2aaacff968bc: Mounted from library/nginx
bbbd2d1aea89: Mounted from library/nginx
7b97c641cb43: Mounted from library/nginx
fd2758d7a50e: Mounted from library/nginx
  t@ip-172-31-12-67:~/custom-nginx# docker info | grep Username
t@ip-172-31-12-67:~/custom-nginx# cat ~/.docker/config.json | jq .
 "auths": {
    "https://index.docker.io/v1/access-token": {
   https://index.docker.io/v1/refresh-token": {
 oot@ip-172-31-12-67:~/custom-nginx# docker build -t ashok070/custom-nginx:1.0 .
 +] Building 5.3s (8/8) FINISHED
```

```
root@ip-172-31-12-67:-/custom-nginx# sudo usermod -aG docker $USER
root@ip-172-31-12-67:-/custom-nginx# nano Dockerfile
root@ip-172-31-12-67:-/custom-nginx# dockerignore
.dockerignore: command not found
root@ip-172-31-12-67:-/custom-nginx# dockerignore
.dockerignore: command not found
root@ip-172-31-12-67:-/custom-nginx# dockerignore
.dockerignore: command 'git' not found, did you mean:
.command 'git' not mound, did you mean:
.command 'git' from deb git (1:2.43.0-lubuntu7.2)
.command 'git' from deb git (1:2.43.0-lubuntu7.2)
.command 'git' from deb git (2.10-2)

Try: apt install deb name>
.command 'git' from deb git (2.10-2)

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.command 'git' from deb git' (2.10-2)

Try: apt install git' (2.10-2)

Try: apt in
```



Congratulations, you're all set!

Your device is now connected.

root@ip-172-31-12-67:-/custom-nginx# docker compose up -d
WARN[[0000] /root/custom-nginx/docker-compose.yml: the attribute `version` is obsolete, it will be ignored, please remove it to avoid potential confusion
unable to get image 'YYOUR DOCKERHUB USER>/custom-nginx:1.0': Error response from daemon: invalid reference format

```
}
root@ip-172-31-12-67:~/custom-nginx# docker push ashok070/c
 The push refers to repository [docker.io/ashok070/custom-no
f62eb32901aa: Preparing
bc8c5794520b: Preparing
640e06e412a9: Preparing
bd66bdd2f47f: Preparing
4f313ed230a0: Preparing
36acb230000e: Waiting
2aaacff968bc: Waiting
bbbd2d1aea89: Waiting
 7b97c641cb43: Waiting
fd2758d7a50e: Waiting
denied: requested access to the resource is denied
denied: requested access to the resource is denied

bc8c5794520b: Pushed

640e06e412a9: Mounted from library/nginx

bd66bdd2f4ff: Mounted from library/nginx

4f313ed230a0: Mounted from library/nginx

36acb230000e: Mounted from library/nginx

2aaacff968bc: Mounted from library/nginx

bbbd2d1aea89: Mounted from library/nginx

bbbd2d1aea89: Mounted from library/nginx

fd2758d7a50e: Mounted from library/nginx

1.0: digest: sha256:d194f0466491c13b48e8c49b556f801f0ba31fa5ee8bleaf9df5c3fdd033307f size: 2403

root@ip-172-31-12-67:~/custom-nginx# nano docker-compose.yml

root@ip-172-31-12-67:~/custom-nginx# docker compose up -d

MARN [0000] /root/custom-nginx/docker-compose.yml: the attribute `version` is obsolete, it will be ignored, please remove it to unable to get image '<YOUR DOCKERHUB USER>/custom-nginx:1.0': Error response from daemon: invalid reference format

root@ip-172-31-12-67:~/custom-nginx# nano docker-compose.yml

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root@ip-172-31-12-67:~/custom-nginx# docker-compose.yml

root@ip-172-31-12-67:~/custom-nginx# docker-compose.yml
     Network custom-nginx_default
```

Hello from /var/opt/nginx