

Task – 9

Docker Volume and network:

```
ubuntu@ip-172-31-28-13:~$ docker volume create newvol
newvol
ubuntu@ip-172-31-28-13:~$ docker volume ls
DRIVER      VOLUME NAME
local       newvol
ubuntu@ip-172-31-28-13:~$ docker network create mynetwork
98296ed344e8bf6cf58d6f89751b24d08f0e8806ef965c5ea6706d0b6168212f
ubuntu@ip-172-31-28-13:~$
```

Docker File:

```
FROM nginx:12.2.0-alpine

WORKDIR /usr/share/nginx/html

COPY html /usr/share/nginx/html

EXPOSE 80
```

Docker Compose

```
version: '3.8'

services:
  nginx:
    build: .
    container_name: custom-nginx-container
    ports:
      - "80:80"
    restart: always
    volumes:
      - myvol:/var/opt/nginx
    networks:
      - mynetwork

volumes:
  myvol:
    external: true

networks:
  mynetwork:
    external: true
```

```
ubuntu@ip-172-31-28-13:~/custom-nginx$ docker-compose up -d
[+] Running 1/1
 ✓ Container custom-nginx-container Started
ubuntu@ip-172-31-28-13:~/custom-nginx$
```

Custom volume and network:

```
ubuntu@ip-172-31-28-13:~/custom-nginx$ docker volume ls
DRIVER      VOLUME NAME
local       myvol

ubuntu@ip-172-31-28-13:~/custom-nginx$ docker network ls
NETWORK ID    NAME        DRIVER      SCOPE
cf15a83d7f36  bridge     bridge      local
5ea26d2c68e4  host       host        local
98296ed344e8  mynetwork  bridge      local
bd05a24a9761  none       null        local
ubuntu@ip-172-31-28-13:~/custom-nginx$
```

Docker Login:

```
ubuntu@ip-172-31-28-13:~/custom-nginx$ docker login
Log in with your Docker ID or email address to push and pull images from Docker Hub. If you don't have an account, go to https://docs.docker.com/go/quickstart/#create-a-docker-account to create one.
You can log in with your password or a Personal Access Token (PAT). Using a limited-scope token is recommended.
Learn more at https://docs.docker.com/go/access-tokens/


Username: cyrildoss14
Password:
WARNING! Your password will be stored unencrypted in /home/ubuntu/.docker/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store

Login Succeeded
ubuntu@ip-172-31-28-13:~/custom-nginx$
```




Docker Tag and Push:

```
ubuntu@ip-172-31-28-13:~/custom-nginx$ docker tag custom_nginx cyrildoss14/custom_nginx
ubuntu@ip-172-31-28-13:~/custom-nginx$
```

```
ubuntu@ip-172-31-28-13:~/custom-nginx$ docker push cyrildoss14/custom_nginx
Using default tag: latest
The push refers to repository [docker.io/cyrildoss14/custom_nginx]
379618133a9c: Pushed
3f6a3d22b9ce: Mounted from library/nginx
261a5dc153b4: Mounted from library/nginx
7da4ba4a0030: Mounted from library/nginx
10988c108f66: Mounted from library/nginx
d58e4a0f2971: Mounted from library/nginx
37719940dcaa: Mounted from library/nginx
5d4427064ecc: Mounted from library/nginx
latest: digest: sha256:42780c27a1697879ade5be51ad0f77f643b64104746ef73535b739985c1a3e6f size: 1985
ubuntu@ip-172-31-28-13:~/custom-nginx$
```

 **docker hub**

Explore Repositories Organizations

cyrildoss14

Search by repository name

All Content

Create repository

cyrildoss14 / custom_nginx

Contains: Image • Last pushed: less than a minute ago

☆ 0

📦 0

🌐 Public

🛡️ Scout inactive

Output:

