

Custom nginx docker image:

```
aws Services Search [Alt+S]
root@ip-172-31-23-3:~# mkdir task8
root@ip-172-31-23-3:~# cd task8
root@ip-172-31-23-3:~/task8# vi dockerfile
root@ip-172-31-23-3:~/task8# docker build -t nginx .
DEPRECATED: The legacy builder is deprecated and will be removed in a future release.
             Install the buildx component to build images with BuildKit:
             https://docs.docker.com/go/buildx/

Sending build context to Docker daemon  2.048kB
Step 1/4 : FROM nginx:latest
latest: Pulling from library/nginx
2cc3ae149d28: Pull complete
a97f9034bc9b: Pull complete
9571e65a55a3: Pull complete
0b432cb2d95e: Pull complete
24436676f2de: Pull complete
928cc9acedf0: Pull complete
ca6fb48c6db4: Pull complete
Digest: sha256:56b388b0d79c738f4cf51bbaf184a14fab19337f4819ceb2cae7d94100262de8
Status: Downloaded newer image for nginx:latest
---> dde0cca083bc
Step 2/4 : WORKDIR /usr/share/nginx/html
---> Running in 99f771756c97
Removing intermediate container 99f771756c97
---> f66b2db72459
Step 3/4 : EXPOSE 80
---> Running in aaef5a1dfff5e
Removing intermediate container aaef5a1dfff5e
```

```

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Step 2/4 : WORKDIR /usr/share/nginx/html
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---> f66b2db72459
Step 3/4 : EXPOSE 80
---> Running in aaef5a1dfff5e
Removing intermediate container aaef5a1dfff5e
---> 0074987f05dc
Step 4/4 : CMD ["nginx","-g", "daemon off;"]
---> Running in f3251fe55f32
Removing intermediate container f3251fe55f32
---> ddea49380adf
Successfully built ddea49380adf
Successfully tagged nginx:latest
root@ip-172-31-23-3:~/task8#

```

```

root@ip-172-31-23-3:~/task8# docker images

```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
nginx	latest	ddea49380adf	28 minutes ago	188MB
nginx	<none>	dde0cca083bc	2 weeks ago	188MB
hello-world	latest	d2c94e258dcb	13 months ago	13.3kB

```

root@ip-172-31-23-3:~/task8#

```

Docker compose file:

```
version: '3.7'
services:
  web:
    image: nginx
    ports:
      - 8000:80
    volumes:
      - './nginxvol:/var/opt/nginx'
volumes:
  nginxvol:
```

~~~~~

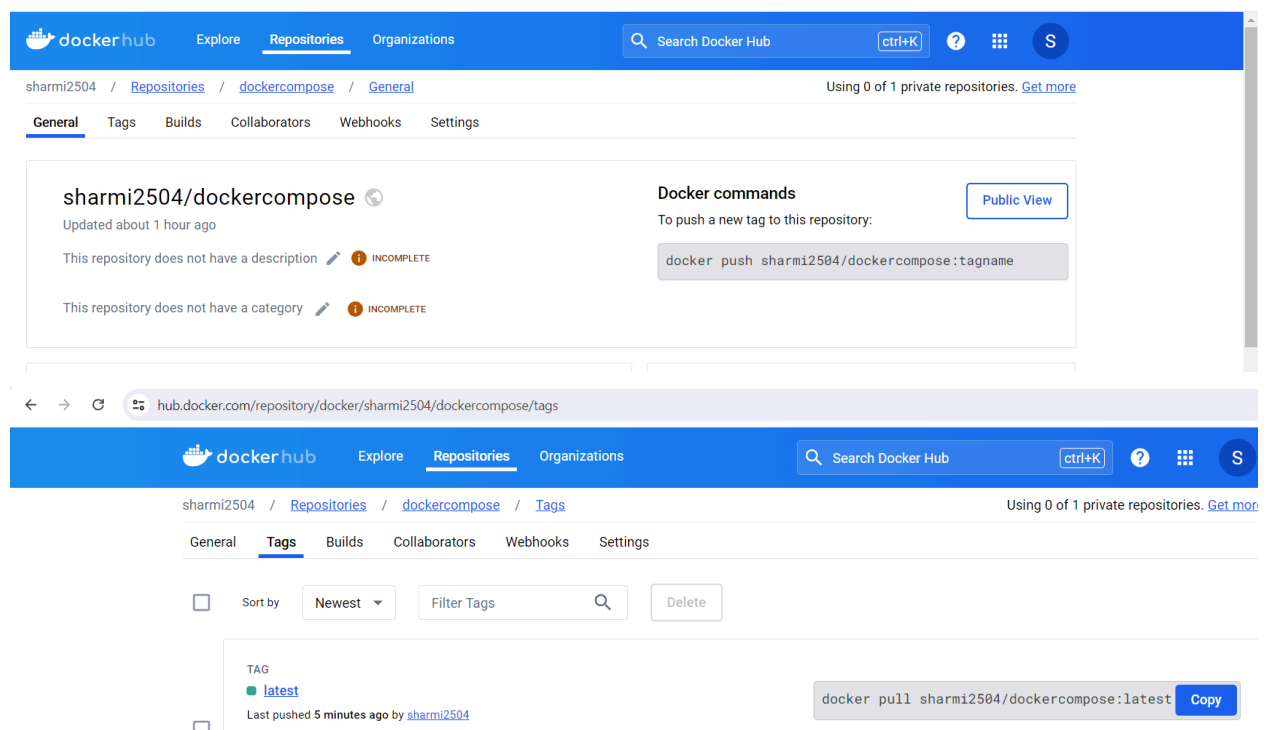
```
"docker-compose.yml" 12L, 146B
```

Volume created in the name ngnixvol:

```
ubuntu@ip-172-31-23-3:~/compose$ docker volume create nginxvol
nginxvol
ubuntu@ip-172-31-23-3:~/compose$ docker volume ls
DRIVER      VOLUME NAME
local       nginxvol
```

Execute the docker compose file and push it in docker hub:

```
ubuntu@ip-172-31-23-3:~/compose$ docker-compose up -d
Creating network "compose_default" with the default driver
Creating volume "compose_nginxvol" with default driver
Creating compose_web_1 ... done
ubuntu@ip-172-31-23-3:~/compose$ docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS                               NAMES
00603994c337   nginx    "/docker-entrypoint..." 13 seconds ago Up 8 seconds   0.0.0.0:8000->80/tcp, :::8000->80/tcp compose_web_1
ubuntu@ip-172-31-23-3:~/compose$ docker tag nginx sharmi2504/dockercompose
ubuntu@ip-172-31-23-3:~/compose$ docker push sharmi2504/dockercompose
Using default tag: latest
The push refers to repository [docker.io/sharmi2504/dockercompose]
10655d686986: Mounted from library/nginx
3dd5fd695861: Mounted from library/nginx
eddb6eb0845b: Mounted from library/nginx
8162731fle8d: Mounted from library/nginx
cddaf363c4d4: Mounted from library/nginx
409a3bc90254: Mounted from library/nginx
1387079e86ad: Mounted from library/nginx
latest: digest: sha256:dc1886bff19a6e52c7055f8784ce956c23a15afccfc21439617effa66894b972 size: 1778
```



The image shows two screenshots of the Docker Hub interface. The top screenshot displays the 'General' tab for the repository 'sharmi2504/dockercompose'. It indicates the repository was updated about 1 hour ago and shows two 'INCOMPLETE' status items for missing description and category. A 'Docker commands' section provides a 'Public View' button and a command to push a new tag: 'docker push sharmi2504/dockercompose:tagname'. The bottom screenshot shows the 'Tags' tab for the same repository. It lists a single tag 'latest' pushed 5 minutes ago by 'sharmi2504'. A 'docker pull sharmi2504/dockercompose:latest' command is shown with a 'Copy' button. The browser address bar in both screenshots shows 'hub.docker.com/repository/docker/sharmi2504/dockercompose/tags'.