

Created a folder named project and placed config files:

```
root@ip-172-31-9-141:~/Project# ls -rlt
total 16
-rw-r--r-- 1 root root 173 Nov 30 06:45 Dockerfile
-rw-r--r-- 1 root root 160 Nov 30 06:45 nginx.conf
drwxr-xr-x 2 root root 4096 Nov 30 06:55 data
-rw-r--r-- 1 root root 159 Nov 30 07:07 docker-compose.yml
root@ip-172-31-9-141:~/Project#
```

Created dockerfile,docker-compose file and nginx config file under this folder.

Mentioned to create custom volume location:

```
root@ip-172-31-9-141:~/Project# cat Dockerfile
FROM nginx:latest

# Create custom directory for bind mount
RUN mkdir -p /var/opt/nginx

# Copy custom config
COPY nginx.conf /etc/nginx/nginx.conf

# Expose port
EXPOSE 80
root@ip-172-31-9-141:~/Project#
```

Default volume data has to be copied to the custom folder.

```
root@ip-172-31-9-141:~/Project# cat docker-compose.yml
version: '3.8'

services:
  custom-nginx:
    image: dockerhub-nginx:latest
    build: .
    ports:
      - "80:80"
    volumes:
      - ./data:/var/opt/nginx
root@ip-172-31-9-141:~/Project#
```

```
root@ip-172-31-9-141:~/Project# cat nginx.conf
events {}

http {
    server {
        listen 80;

        location / {
            root /usr/share/nginx/html;
            index index.html;
        }
    }
}
root@ip-172-31-9-141:~/Project#
```

```
root@ip-172-31-9-141:~/Project# docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
dockerhub-nginx	latest	3acb34dc1a35	7 hours ago	152MB
nginx	latest	60adc2e137e7	12 days ago	152MB

Pushed code to the dockerhub:

```
root@ip-172-31-9-141:~/Project# docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
dockerhub-nginx	latest	3acb34dc1a35	7 hours ago	152MB
tamililan/staticweb	v1	3acb34dc1a35	7 hours ago	152MB
nginx	latest	60adc2e137e7	12 days ago	152MB

```
root@ip-172-31-9-141:~/Project# ls -rlt
```

tamililan/staticweb

Last pushed less than a minute ago • Repository size: 58 MB • 0 • 0

Add a description

Add a category

- General
- Tags
- Image Management
- BETA
- Collaborators
- Webhooks
- Settings

Tags

DOCKER SCOUT INACTIVE

Activate

This repository contains 0 tag(s).

Tag	OS	Type	Pulled	Pushed
v1		Image	less than 1 day	2 minutes

See all

```
root@ip-172-31-9-141:~/Project# docker service ls
ID NAME MODE REPLICAS IMAGE PORTS
j56oqsuhd36n flamboyant_buck replicated 4/4 tamililan/staticweb:v1 *:80->80/tcp
root@ip-172-31-9-141:~/Project# sudo docker service ps j56oqsuhd36n
ID NAME IMAGE NODE DESIRED STATE CURRENT STATE ERROR PORTS
mojxv5inl60a flamboyant_buck.1 tamililan/staticweb:v1 ip-172-31-4-150 Running Running 4 minutes ago
h98os66ub98a flamboyant_buck.2 tamililan/staticweb:v1 ip-172-31-9-141 Running Running 4 minutes ago
pr9gayquexcy flamboyant_buck.3 tamililan/staticweb:v1 ip-172-31-13-209 Running Running 4 minutes ago
hw5abvfu0uem flamboyant_buck.4 tamililan/staticweb:v1 ip-172-31-10-67 Running Running 4 minutes ago
root@ip-172-31-9-141:~/Project#
```