

A docker registry can be taught as place to store and distribute **Docker** images. It serves as a target for your **docker** push and **docker** pull commands.

Docker registries is a service that store docker images in a way that is layer aware. In this article we will see how we can create a docker image , commit it docker hub and use the docker hub to transfer the image to another location. In this article we will work using commands like pull,push ,login commit and log out.

Docker provides a free public registry called docker hub "docker.io". Sign up the free account and we can use those from our local machine to pull and push the images

1. Login to the docker hub from your local machine using the "docker login" command as,
[puppet@root\$:~]\$ 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 <https://hub.docker.com> to create one.

Username: jagadesh1982

Password:

Login Succeeded

2. Start a docker container

```
[root@localhost ~]# docker run -dit ssh-ubuntu:v0.1  
b0d45fc63c6ea512ce7abf646ebc0c10faac9a213777df0b84567a8190a6566c
```

3. Commit the started container to named image using the commit command

```
[root@localhost ~]# docker commit b0d45fc63c6e jagadesh1982/docker-ssh-ubuntu  
sha256:24a28b5a880a8da64c8dc06a8a70a232985a0b81c4ae0577fa308a4da28d3a9a
```

Make sure that the image being committed is given a name jagadesh1982/docker-ssh-ubuntu

4. Push the docker image to the docker hub

```
[root@localhost ~]# docker push jagadesh1982/docker-ssh-ubuntu  
The push refers to a repository [docker.io/jagadesh1982/docker-ssh-ubuntu]
```

f424ab7bccf1: Pushed

5eb5bd4c5014: Pushed

d195a7a18c70: Pushed

af605e724c5a: Pushed

59f161c3069d: Pushed

4f03495a4d7d: Mounted from library/ubuntu

latest: digest:

sha256:7adcbca38458c525bc972e77588928ad2aab40e81bf209ca403d026112299e1 size: 1569

5. Remove the local docker image jagadesh1982/docker-ssh-ubuntu

```
[puppet@root$:~]$ docker rmi jagadesh1982/docker-ssh-ubuntu
```

6. Now pull the docker image jagadesh1982/docker-ssh-ubuntu" which will download the image from the docker hub

```
[puppet@root$::~~]$ docker pull jagadesh1982/docker-ssh-ubuntu
```

Using default tag: latest

Trying to pull repository docker.io/jagadesh1982/docker-ssh-ubuntu ...

latest: Pulling from docker.io/jagadesh1982/docker-ssh-ubuntu

8aec416115fd: Already exists

695f074e24e3: Already exists

946d6c48c2a7: Already exists

bc7277e579f0: Already exists

2508cbcde94b: Already exists

f274ef5fcd9a: Already exists

a5268b86b65e: Already exists

Digest: sha256:2f6ddb28b1403b7ddf370c87f16d4ce495030e8819191e8f68e68dc476a7ad65

7. Logout from the docker hub

```
[root@localhost ~]# docker logout
```

Remove login credentials for <https://index.docker.io/v1/>