

# Hosting your own Docker Image Registry

## 1 Search for Docker Registry image

```
$ docker search registry
```

## 2 Run Docker Registry container

```
$ docker run -d --name registry -p 5000:5000 --restart=always registry
```

## 3 List out containers

```
$ docker ps -a
```

## 4 Pull busybox image

```
$ docker pull busybox
```



5

## Tag busybox image with local registry address

```
$ docker tag busybox:latest  
localhost:5000/cerulean-busybox
```

6

## List out Docker Images

```
$ docker images
```

7

## Push tagged busybox image to registry container

```
$ docker push localhost:5000/cerulean-busybox
```

8

## Remove tagged busybox image from Docker host

```
$ docker rmi localhost:5000/cerulean-busybox
```



8

## Pull busybox image from registry container

```
$ docker pull localhost:5000/cerulean-busybox
```

9

## List out Docker Images

```
$ docker images
```



## 10

## Verify contents of local registry

```
$ sudo su -  
  
cd /var/lib/docker/volumes  
  
ls  
  
cd <registry-volume-ID>  
  
cd _data  
  
cd docker  
  
cd registry  
  
cd v2  
  
cd repositories  
  
tree cerulean-busybox  
  
exit
```

