

Step 1

Check if your Docker host has any images in its local repository with the following command.

```
$ docker image ls
```

```
Luiss-MacBook-Air:log luiscastro$ docker image ls
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
jenkinsci/blueocean	latest	0afc5b7554a7	2 months ago	446MB
docker/dtr	latest	cefc393578b5	2 months ago	116MB
docker/ucp-controller	2.2.5	dec282961461	3 months ago	38.7MB
docker/ucp-auth	2.2.5	77ea720f49e5	3 months ago	20.2MB
docker/ucp-metrics	2.2.5	52d72808bc22	3 months ago	79.6MB
docker/ucp-hrm	2.2.5	0293341619b8	3 months ago	7.14MB
docker/ucp-etcd	2.2.5	d32c8846a3f2	3 months ago	29.6MB
docker/ucp-dsinfo	2.2.5	6c2fed956e1f	3 months ago	538MB
docker/ucp-compose	2.2.5	0cf3f142e6ca	3 months ago	39.6MB
docker/ucp-auth-store	2.2.5	557b0fd28fe4	3 months ago	60.5MB
docker/ucp-cfssl	2.2.5	b8fa34c4e29d	3 months ago	12.2MB
docker/ucp-agent	2.2.5	bb262347bd9f	3 months ago	20.2MB
docker/ucp	2.2.5	e00937d01b1a	3 months ago	20MB
docker/ucp-swarm	2.2.5	067dfb5c7869	3 months ago	21.7MB
registry	2	d1fd7d86a825	4 months ago	33.3MB
lcastro1981/dockerbook	v1	3fd9065eaf02	4 months ago	4.15MB
alpine	latest	3fd9065eaf02	4 months ago	4.15MB
hello-world	latest	f2a91732366c	5 months ago	1.85kB
dockercloud/registration	latest	0c7bdecbf645	9 months ago	19.5MB
dockercloud/server-proxy	latest	a3dad8c82751	9 months ago	16.6MB
java	8-jdk-alpine	3fd9dd82815c	14 months ago	145MB
tutum/ntpd	latest	545be517f7dd	2 years ago	5.25MB

Step 2

Use the following commands to pull some images and then check their sizes

```
$ docker image pull ubuntu:latest
```

```
$ docker image pull alpine:latest
```

```
$ docker image pull mongo:3.3.11
```

```
$ docker image ls
```

```
$ docker image ls
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
ubuntu	latest	ebcd9d4fca80	3 days ago	118MB
alpine	latest	02674b9cb179	8 days ago	3.99MB

Step 3

Using
image
filters

```
$ docker image ls --filter=reference="*:latest"
```

```
Luiss-MacBook-Air:log luiscastro$ docker image ls --filter=reference="*:latest"
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
alpine	latest	3fd9065eaf02	4 months ago	4.15MB
hello-world	latest	f2a91732366c	5 months ago	1.85kB

```
$ docker image ls --format "{{.Size}}"
```

```

luis@MacBook-Air:~$ docker image ls --format "{{.Size}}"
"446MB"
"116MB"
"38.7MB"
"20.2MB"
"79.6MB"
"7.14MB"
"29.6MB"
"538MB"
"39.6MB"
"60.5MB"
"12.2MB"
"20.2MB"
"20MB"
"21.7MB"
"33.3MB"
"4.15MB"
"4.15MB"
"1.85kB"
"19.5MB"
"16.6MB"
"145MB"
"5.25MB"

```

Step 4

Search Docker Hub

```
$ docker search alpine
```

Step 5

Image layers

```
$docker image inspect alpine:latest
```

\$docker history alpine

```
Luiss-MacBook-Air:log luiscastro$ docker history alpine
```

IMAGE	CREATED	CREATED BY	SIZE	COMMENT
3fd9065eaf02	4 months ago	/bin/sh -c #(nop) CMD ["/bin/sh"]	0B	
<missing>	4 months ago	/bin/sh -c #(nop) ADD file:093f0723fa46f6cddb...	4.15MB	

Step 6

Remove an image

\$docker image rm alpine:latest

```
$ docker image rm alpine:latest
```

```
Untagged: alpine:latest
```

```
Untagged: alpine@sha256:c0537...7c0a7726c88e2bb7584dc96
```

```
Deleted: sha256:02674b9cb179d...abff0c2bf5ceca5bad72cd9
```

```
Deleted: sha256:e154057080f40...3823bab1be5b86926c6f860
```