

## Lesson 02 Demo 03

### Tagging an Image

**Objective:** To demonstrate the process of tagging Docker images using various methods for easier management and distribution

**Tools required:** Docker

**Prerequisites:** None

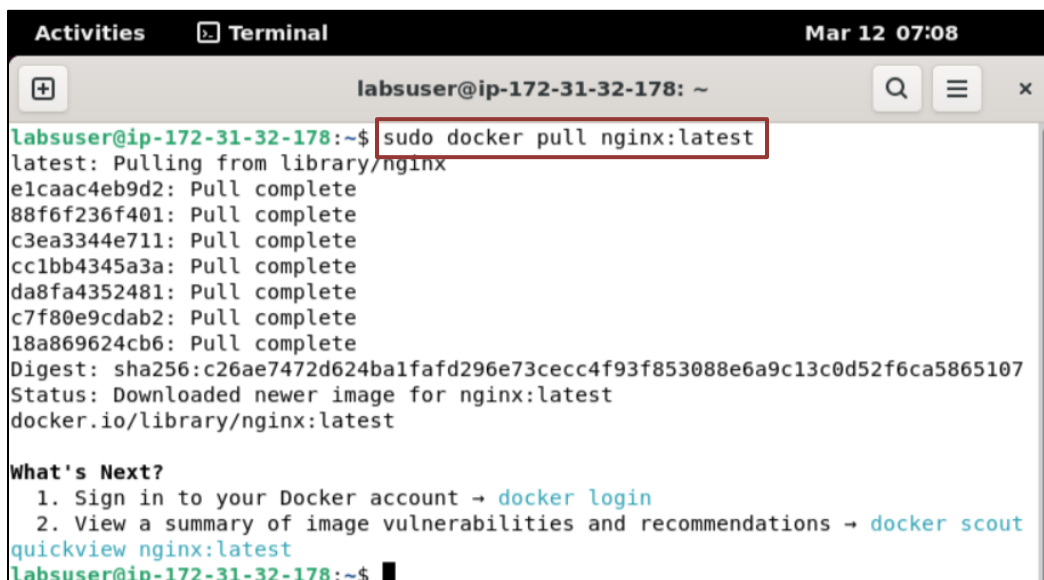
Steps to be followed:

1. Pull a Docker image
2. Tag an image referenced by name
3. Tag an image for a private repository

#### Step 1: Pull a Docker image

- 1.1 Use the following command to pull the latest nginx image:

**sudo docker pull nginx:latest**



```
Activities Terminal Mar 12 07:08
labsuser@ip-172-31-32-178: ~
labsuser@ip-172-31-32-178:~$ sudo docker pull nginx:latest
latest: Pulling from library/nginx
e1caac4eb9d2: Pull complete
88f6f236f401: Pull complete
c3ea3344e711: Pull complete
cclbb4345a3a: Pull complete
da8fa4352481: Pull complete
c7f80e9cdab2: Pull complete
18a869624cb6: Pull complete
Digest: sha256:c26ae7472d624balfafd296e73cecc4f93f853088e6a9c13c0d52f6ca5865107
Status: Downloaded newer image for nginx:latest
docker.io/library/nginx:latest

What's Next?
 1. Sign in to your Docker account → docker login
 2. View a summary of image vulnerabilities and recommendations → docker scout
quickview nginx:latest
labsuser@ip-172-31-32-178:~$
```

1.2 List all the running images and check the newly pulled image:

**sudo docker images**

```
What's Next?
  1. Sign in to your Docker account → docker login
  2. View a summary of image vulnerabilities and recommendations
labsuser@ip-172-31-32-178:~$ sudo docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
<none>        <none>    d7aad287f1df   3 days ago    183MB
nginx         latest    e4720093a3c1   3 weeks ago    187MB
```

1.3 Use the following command to tag the nginx image, referenced by Image ID, into the demo repository with version1.0:

**sudo docker tag IMAGE\_ID demo/nginx\_img:version1.0**

**sudo docker images**

**example: sudo docker tag e4720093a3c1 demo/nginx\_img:version1.0**

```
labsuser@ip-172-31-32-178:~$ sudo docker tag e4720093a3c1 demo/nginx_img:version1.0
labsuser@ip-172-31-32-178:~$ sudo docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
<none>        <none>    d7aad287f1df   3 days ago    183MB
nginx         latest    e4720093a3c1   3 weeks ago    187MB
demo/nginx_img version1.0  e4720093a3c1   3 weeks ago    187MB
labsuser@ip-172-31-32-178:~$
```

**Note:** Replace IMAGE\_ID with the Image ID of your nginx image

## Step 2: Tag an image referenced by name

- 2.1 Use the following commands to tag the nginx image, referenced by image name, into the demo repository with version2.0:

```
sudo docker tag IMAGE_NAME demo/nginx_img:version2.0
sudo docker images
```

example: `sudo docker tag nginx demo/nginx_img:version2.0`

```
labsuser@ip-172-31-32-178: ~
labsuser@ip-172-31-32-178:~$ sudo docker tag nginx demo/nginx_img:version2.0
labsuser@ip-172-31-32-178:~$ sudo docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
<none>	<none>	d7aad287f1df	3 days ago	183MB
demo/nginx_img	version1.0	e4720093a3c1	3 weeks ago	187MB
demo/nginx_img	version2.0	e4720093a3c1	3 weeks ago	187MB
nginx	latest	e4720093a3c1	3 weeks ago	187MB

**Note:** Replace IMAGE\_NAME with the name of your nginx image

- 2.2 Use the following command to tag the nginx image, referenced by name and tag, into the demo repository with version3.0:

```
sudo docker tag nginx:latest demo/nginx_img:version3.0.latest
```

```
labsuser@ip-172-31-32-178:~$ sudo docker tag nginx demo/nginx_img:version2.0
labsuser@ip-172-31-32-178:~$ sudo docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
<none>	<none>	d7aad287f1df	3 days ago	183MB
demo/nginx_img	version1.0	e4720093a3c1	3 weeks ago	187MB
demo/nginx_img	version2.0	e4720093a3c1	3 weeks ago	187MB
nginx	latest	e4720093a3c1	3 weeks ago	187MB

```
labsuser@ip-172-31-32-178:~$ sudo docker tag nginx:latest demo/nginx_img:version3.0.latest
labsuser@ip-172-31-32-178:~$ sudo docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
<none>	<none>	d7aad287f1df	3 days ago	183MB
demo/nginx_img	version1.0	e4720093a3c1	3 weeks ago	187MB
demo/nginx_img	version2.0	e4720093a3c1	3 weeks ago	187MB
demo/nginx_img	version3.0.latest	e4720093a3c1	3 weeks ago	187MB
nginx	latest	e4720093a3c1	3 weeks ago	187MB

**Note:** Replace IMAGE\_NAME and IMAGE\_TAG with the Name and Tag of your nginx image

## Step 3: Tag an image for a private repository

3.1 Use the following commands to tag an image for a private repository:

```
sudo docker tag IMAGE_ID myregistry:5000/demo/nginx_img:version4.0
```

```
sudo docker images
```

example: `sudo docker tag e4720093a3c1 myregistry:5000/demo/nginx_img:version4.0`

```
labsuser@ip-172-31-32-178:~$ sudo docker tag e4720093a3c1 myregistry:5000/demo/nginx_img:version4.0
labsuser@ip-172-31-32-178:~$ sudo docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
<none>	<none>	d7aad287f1df	3 days ago	183MB
demo/nginx_img	version1.0	e4720093a3c1	3 weeks ago	187MB
demo/nginx_img	version2.0	e4720093a3c1	3 weeks ago	187MB
demo/nginx_img	version3.0.latest	e4720093a3c1	3 weeks ago	187MB
nginx	latest	e4720093a3c1	3 weeks ago	187MB
myregistry:5000/demo/nginx_img	version4.0	e4720093a3c1	3 weeks ago	187MB

```
labsuser@ip-172-31-32-178:~$
```

**Note:** Replace IMAGE\_ID with the Image ID of your nginx image

**Note:** Use `sudo docker images` command to see the newly tagged image under `myregistry:5000/demo/nginx_img` repository

By following these steps, you have successfully tagged Docker images with different versions and repository names for easier management and distribution.