

2. Issue the following command to retag the Ubuntu image:

```
docker tag ubuntu:latest ubuntu:16.04
```

3. Use the **docker images** command to confirm that a tag was added to the Ubuntu image.

*Example 6-3 Listing Available Docker Images*

---

admin@fcc1a71d8f61:~\$ docker images				
REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
myregistry	latest	082be17251ee	30 hours ago	441MB
ibm_zcx_zos_cli_image	latest	00f61e376fd0	3 days ago	363MB
ubuntu	16.04	f8835575bd80	3 weeks ago	64.8MB
ubuntu	latest	f8835575bd80	3 weeks ago	64.8MB
s390x/ubuntu	16.04	fcae39a6d474	6 weeks ago	118MB

---

4. Now, remove the tag for **ubuntu:latest** by running the following command:

```
docker rmi ubuntu:latest
```

You should receive a message *"Untagged: ubuntu:latest"*.

For more details in how to work with tags, see Section 6.7, "Working with tags" on page 136 in this publication.

## 6.3 Building a private registry image

There is a registry image available in Docker Hub for IBM Z platform. The name of this image is *ibmcom/registry-s390x* and its available in Docker Hub. For more details, see <https://hub.docker.com/r/ibmcom/registry-s390x>.

For our private registry deployment, we use *ibmcom/registry-s390x*, and the building of an image is not required. However, this section provides good concepts and commands that might be helpful for application developers who manage Docker instances. This procedure can also be used if you do not find a registry image with the version that you want to install.

The following steps work only when the zCX instance has internet access. The image build process downloads and installs some components into the new image when it executes the instructions of the Dockerfile. You see more details in Example 6-8, which shows the output of the build process.

Use the procedure in this section to build a private registry image. Again, we recommend that you use the available registry image for **s390x** (**ibmcom/registry-s390x**). If your zCX instance is behind a firewall, go to the following section.

1. Connect via SSH into your zCX instance by using the command in Example 6-4. Be sure to replace the IP address with one that is valid for your zCX environment.

*Example 6-4 Connecting to zCX instance*

---

```
erics-mbp:ssh ibmuser$ ssh admin@129.40.23.70 -p 8022  
Warning: Permanently added '[129.40.23.70]:8022' (ECDSA) to the list of known hosts.
```

```
Welcome to the IBM z/OS Container Extensions (IBM zCX) shell that provides access to Docker commands.  
For more information on how to use this shell to execute Docker commands refer to "IBM z/OS Container  
Extensions Guide".
```

```
Last login: Fri Sep  6 15:22:36 2019 from 9.57.181.31
```

---