

Exercise: Managing Images

Goal:

The goal of this exercise is for you to become familiar with downloading and deleting images. In this exercise, you'll focus on two popular applications: Memcached and Apache.

Instructions:

Download the Images

In order to download – or "pull" – the "memcached" container image, use the following command:

```
docker pull memcached:latest
```

(NOTE: the ":latest" tag is optional because if no tag is supplied, the "latest" tag is assumed.)

Next, download the "Apache" image. This image is actually called "httpd." You can determine the name of the image by searching for it on the command line with "docker search TERM", or by searching on <https://hub.docker.com>.

Download the "2-alpine" version of this image instead of the default "latest" image:

```
docker pull httpd:2-alpine
```

This image contains Apache version 2, running on the Alpine Linux distribution as its base. Alpine is heavily used in containers, due to its small size.

If that tag becomes outdated and doesn't work for you, visit this page on Docker Hub to get a working tag: https://hub.docker.com/_/httpd?tab=tags

Check that the Images are Present

List the two images that you downloaded:

```
docker images
```

Check to see how much disk space all images combined are using.

```
docker system df
```

Delete the Images

Now delete each of the two images.

To delete Memcached, use this command:

```
docker rmi memcached
```

Note, there is no tag because you have the "latest" tag of Memcached.

For Apache, you have to declare the tag explicitly, or the "rmi" command won't work.

```
docker rmi httpd:2-alpine
```

Check that the Images are Deleted

Make sure the images aren't present with this command:

```
docker images
```