Data Engineer Bootcamp (Full-Time)

HM
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Working with Docker Images | dockerlabs

Tested Infrastructure

Listing the Docker Images

```
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
hello-world         latest              4ab4c602aa5e        6 weeks ago         1.84kB


docker images -a
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
hello-world         latest              4ab4c602aa5e        6 weeks ago         1.84kB
```

The docker images command takes an optional [REPOSITORY[:TAG]] argument that restricts the list to images that match the argument. If you specify REPOSITORY but no TAG, the docker images command lists all images in the given repository.

To demo this, let us pull all various versions of alpine OS

```
docker pull alpine:3.6
docker pull alpine:3.7
docker pull alpine:3.8
docker pull alpine:3.9


[node4] (local) root@192.168.0.20 ~
$ docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
alpine              3.6                 43773d1dba76        7 days ago          4.03MB
alpine              3.7                 6d1ef012b567        7 days ago          4.21MB
alpine              3.8                 dac705114996        7 days ago          4.41MB
alpine              3.9                 5cb3aa00f899        7 days ago          5.53MB


[node4] (local) root@192.168.0.20 ~
$ docker images alpine:3.7
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
alpine              3.7                 6d1ef012b567        7 days ago          4.21MB
```

List the full length image IDs

```
$ docker images --no-trunc
REPOSITORY          TAG                 IMAGE ID                                                                  CREATED
     SIZE
alpine              3.6                 sha256:43773d1dba76c4d537b494a8454558a41729b92aa2ad0feb23521c3e58cd0440   7 days ago
     4.03MB
alpine              3.7                 sha256:6d1ef012b5674ad8a127ecfa9b5e6f5178d171b90ee462846974177fd9bdd39f   7 days ago
     4.21MB
```

```
alpine              3.8                 sha256:dac7051149965716b0acdcab16380b5f4ab6f2a1565c86ed5f651e954d1e615c   7 days ago
     4.41MB
alpine              3.9                 sha256:5cb3aa00f89934411ffba5c063a9bc98ace875d8f92e77d0029543d9f2ef4ad0   7 days ago
     5.53MB


$ docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
ubuntu              latest              94e814e2efa8        3 days ago          88.9MB
alpine              3.6                 43773d1dba76        7 days ago          4.03MB
alpine              3.7                 6d1ef012b567        7 days ago          4.21MB
alpine              3.8                 dac705114996        7 days ago          4.41MB
alpine              3.9                 5cb3aa00f899        7 days ago          5.53MB
```

If you want to filter out just alpine

```
$ docker images --filter=reference='alpine'
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
alpine              3.6                 43773d1dba76        7 days ago          4.03MB
alpine              3.7                 6d1ef012b567        7 days ago          4.21MB
alpine              3.8                 dac705114996        7 days ago          4.41MB
alpine              3.9                 5cb3aa00f899        7 days ago          5.53MB
```

Explanation

The [REPOSITORY[:TAG]] value must be an “exact match”.

[Lab] Workshop Demonstrating Hello World Example

[Lab] Workshop: Work with Docker Image

[Lab] Exercise: Basic Docker Commands

[Lecture Video] Docker Sunday

Monday - Docker II

[Lab] Workshop: Install Zepplin with Docker

[Lab] Workshop: Docker Compose --Flask

[Quiz] Docker Commands Quiz

Tuesday - Real Client Project Phase 2

Wednesday - Real Client Project Phase 2

Thursday - Real Client Project Phase 2

RCP project Submission (Competition)

[Lab] Workshop: Work with Docker Image