



## Data Engineer Bootcamp (Full-Time)

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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
alpine	3.6	sha256:43773d1dba76c4d537b494a8454558a41729b92aa2ad0feb23521c3e58cd0440	7 days ago
alpine	3.7	sha256:6d1ef012b5674ad8a127ecfa9b5e6f5178d171b90ee462846974177fd9bdd39f	7 days ago

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”.

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