1.

**[root@ip-172-30-2-240 ec2-user]# yum install docker -y**

Loaded plugins: priorities, update-motd, upgrade-helper

amzn-main | 2.1 kB 00:00

amzn-updates | 2.5 kB 00:00

Package docker-18.03.1ce-5.0.amzn1.x86\_64 already installed and latest version

Nothing to do

2.

**[root@ip-172-30-2-240 ec2-user]# docker run hello-world**

Unable to find image 'hello-world:latest' locally

latest: Pulling from library/hello-world

9db2ca6ccae0: Pull complete

Digest: sha256:4b8ff392a12ed9ea17784bd3c9a8b1fa3299cac44aca35a85c90c5e3c7afacdc

Status: Downloaded newer image for hello-world:latest

Hello from Docker!

This message shows that your installation appears to be working correctly.

To generate this message, Docker took the following steps:

1. The Docker client contacted the Docker daemon.

2. The Docker daemon pulled the "hello-world" image from the Docker Hub.

(amd64)

3. The Docker daemon created a new container from that image which runs the

executable that produces the output you are currently reading.

4. The Docker daemon streamed that output to the Docker client, which sent it

to your terminal.

To try something more ambitious, you can run an Ubuntu container with:

$ docker run -it ubuntu bash

Share images, automate workflows, and more with a free Docker ID:

https://hub.docker.com/

For more examples and ideas, visit:

<https://docs.docker.com/engine/userguide/>

3.

**[root@ip-172-30-2-240 ec2-user]# dcoker pull busybox**

bash: dcoker: command not found

[root@ip-172-30-2-240 ec2-user]# docker pull busybox

Using default tag: latest

latest: Pulling from library/busybox

Digest: sha256:cb63aa0641a885f54de20f61d152187419e8f6b159ed11a251a09d115fdff9bd

Status: Image is up to date for busybox:latest

**[root@ip-172-30-2-240 ec2-user]# docker images**

REPOSITORY TAG IMAGE ID CREATED SIZE

user23docker/fstdockerdemo latest f61416fd3628 46 hours ago 163MB

docker latest 53bd8bd29b50 3 days ago 153MB

centos latest 5182e96772bf 13 days ago 200MB

busybox latest e1ddd7948a1c 2 weeks ago 1.16MB

httpd latest 11426a19f1a2 2 weeks ago 178MB

ubuntu latest 735f80812f90 3 weeks ago 83.5MB

nginx latest c82521676580 3 weeks ago 109MB

hello-world latest 2cb0d9787c4d 5 weeks ago 1.85kB

alpine latest 11cd0b38bc3c 6 weeks ago 4.41MB

4.

**[root@ip-172-30-2-240 ec2-user]# docker run busybox**

**[root@ip-172-30-2-240 ec2-user]# docker run busybox echo "hello from busybox"**

**hello from busybox**

**[root@ip-172-30-2-240 ec2-user]# docker ps**

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

**[root@ip-172-30-2-240 ec2-user]# docker ps -a**

CONTAINER ID IMAGE COMMAND C REATED STATUS PORTS NAMES

a4c6c7cd1608 busybox "echo 'hello from bu…" 2 minutes ago Exited (0) 2 minutes ago lovin g\_ramanujan

cf6d79273130 busybox "sh" 2 minutes ago Exited (0) 2 minutes ago borin g\_swartz

950cbff101d1 hello-world "/hello" 1 2 minutes ago Exited (0) 12 minutes ago wonde rful\_volhard

12f7100fa52f user23docker/fstdockerdemo "/bin/sh -c 'java -j…" 1 3 minutes ago Exited (0) 13 minutes ago agita ted\_hypatia

fbcb8d32e068 docker "docker-entrypoint.s…" 3 6 minutes ago Created heuri stic\_wing

e40225acbdce alpine "ping localhost" 3 8 minutes ago Exited (0) 37 minutes ago unruf fled\_dubinsky

757cc16f9cfd alpine "/bin/sh" 4 0 minutes ago Exited (137) 35 minutes ago upbea t\_jang

329f0587a267 alpine "/bin/sh" 4 1 minutes ago Exited (137) 34 minutes ago infal lible\_almeida

0bf7e17961c9 alpine "/bin/sh" 4 2 minutes ago Exited (0) 41 minutes ago brave \_yonath

52b1c2262181 alpine "/bin/sh" 4 3 minutes ago Exited (0) 43 minutes ago hopef ul\_mccarthy

96480740360d alpine "/bin/sh" 4 4 minutes ago Exited (0) 44 minutes ago heuri stic\_keldysh

83d37d5f2a6f busybox "sh" A bout an hour ago Exited (137) 34 minutes ago youth ful\_golick

2f3be0ad14aa busybox "sh" A bout an hour ago Exited (0) About an hour ago hardc ore\_elbakyan

76371ffd8725 busybox "sh" A bout an hour ago Exited (0) About an hour ago agita ted\_jennings

133f65fda181 alpine "/bin/sh" A bout an hour ago Exited (0) About an hour ago goofy \_curran

be4d36be6625 ubuntu "/bin/bash" A bout an hour ago Exited (0) About an hour ago youth ful\_albattani

827a7e94d769 centos "/bin/bash" A bout an hour ago Exited (0) About an hour ago roman tic\_feynman

f994092e10ca user23docker/fstdockerdemo "/bin/sh -c 'java -j…" A bout an hour ago Exited (0) About an hour ago amazi ng\_visvesvaraya

46f6b31d0faa user23docker/fstdockerdemo "/bin/sh -c 'java -j…" A bout an hour ago Exited (0) About an hour ago affec tionate\_kirch

de0c9cab02cc ubuntu "/bin/bash" A bout an hour ago Exited (0) About an hour ago bliss ful\_jang

7e5b57287abc centos "/bin/bash" A bout an hour ago Exited (0) About an hour ago happy \_kilby

**[root@ip-172-30-2-240 ec2-user]# docker run -it busybox /bin/sh**

**/ # hostname**

204d751513ea

**/ # ls**

bin dev etc home proc root sys tmp usr var

**/ # pwd**

/

**/ # uptime**

07:00:54 up 2:24, 0 users, load average: 0.00, 0.00, 0.00

**[root@ip-172-30-2-240 ec2-user]# docker rm $(docker ps -a -q -f status=exited)**

204d751513ea

a4c6c7cd1608

cf6d79273130

950cbff101d1

12f7100fa52f

e40225acbdce

757cc16f9cfd

329f0587a267

0bf7e17961c9

52b1c2262181

96480740360d

83d37d5f2a6f

2f3be0ad14aa

76371ffd8725

133f65fda181

be4d36be6625

827a7e94d769

f994092e10ca

46f6b31d0faa

de0c9cab02cc

7e5b57287abc

5.

**[root@ip-172-30-2-240 ec2-user]# docker rmi f61416fd3628**

Untagged: user23docker/fstdockerdemo:latest

Untagged: user23docker/fstdockerdemo@sha256:423fcb08f6172387f552357ea4d85871467ed34273ec7425ab5b4c058cd33baf

Deleted: sha256:f61416fd36283162a647ba82f9778eafb1fe3e32060c59a90b7a2a2027b2b5cf

Deleted: sha256:3a2f2c4e2465d21c3e7300c1d04194ca53d1ab654b849fb2bc9c8e609a11afb0

Deleted: sha256:458d967aef94a59313254f5c50519828c030fe3a6ee3017da01db2c6b8349b49

Deleted: sha256:b6fb8f8f88465d06a0888fe21a6a50fd1ceec79294d7f3401589ce0a9ee3ac56