

## COMMON DOCKER COMMANDS

- 1: This command helps you know the installed version of the docker software on your system

```
$ docker --version
```

```
ubuntu@ip-172-31-26-120: ~  
ubuntu@ip-172-31-26-120:~$ docker --version  
Docker version 18.06.1-ce, build e68fc7a  
ubuntu@ip-172-31-26-120:~$ █
```

- 2: This command helps you pull images from the central docker repository.

```
$ docker pull <image-name>
```

```
ubuntu@ip-172-31-26-120: ~  
ubuntu@ip-172-31-26-120:~$ docker pull ubuntu  
Using default tag: latest  
latest: Pulling from library/ubuntu  
32802c0cfa4d: Pull complete  
da1315cffa03: Pull complete  
fa83472a3562: Pull complete  
f85999a86bef: Pull complete  
Digest: sha256:6d0e0c26489e33f5a6f0020edface2727db948974  
Status: Downloaded newer image for ubuntu:latest  
ubuntu@ip-172-31-26-120:~$ █
```

3: This command helps you in listing all the docker images, downloaded on your system.

```
$ docker images
```

```
ubuntu@ip-172-31-26-120: ~  
ubuntu@ip-172-31-26-120:~$ docker images  
REPOSITORY          TAG                 IMAGE ID  
SIZE  
ubuntu               latest             93fd78260bd1  
86.2MB  
ubuntu@ip-172-31-26-120:~$
```

4: This command helps in running containers, from their image name.

```
$ docker run <image-name>
```

```
ubuntu@ip-172-31-26-120: ~  
ubuntu@ip-172-31-26-120:~$ docker run -it -d ubuntu  
233e926091f338a18d3ba915ad34a6b1bc868642d7f3eb120f91  
ubuntu@ip-172-31-26-120:~$
```

5: This command helps in listing all the containers which are running in the system

```
$ docker ps
```

```
ubuntu@ip-172-31-26-120: ~  
ubuntu@ip-172-31-26-120:~$ docker ps  
CONTAINER ID        IMAGE               COMMAND  
STATUS             PORTS              NAMES  
233e926091f3       ubuntu             "/bin/bash"  
Up About a minute   angry_jennings  
ubuntu@ip-172-31-26-120:~$
```

6: If there are any stopped containers, they can be seen by adding the “-a” flag in this command

```
$ docker ps -a
```

```
ubuntu@ip-172-31-26-120: ~  
ubuntu@ip-172-31-26-120:~$ docker ps -a  
CONTAINER ID        IMAGE               COMMAND  
STATUS             PORTS              NAMES  
f0a5fa001b0e       ubuntu             "/bin/bash"  
Exited (0) 5 seconds ago    relaxed_clark  
233e926091f3       ubuntu             "/bin/bash"  
Up 4 minutes          angry_jenning  
ubuntu@ip-172-31-26-120:~$
```

7: For logging into/accessing the container, one can use the exec command

```
$ docker exec <container-id>
```

```
root@233e926091f3: /
```

```
ubuntu@ip-172-31-26-120:~$ docker exec -it 233e926091f3 bash
root@233e926091f3:/#
```

8: For stopping a running container, we use the “stop” command

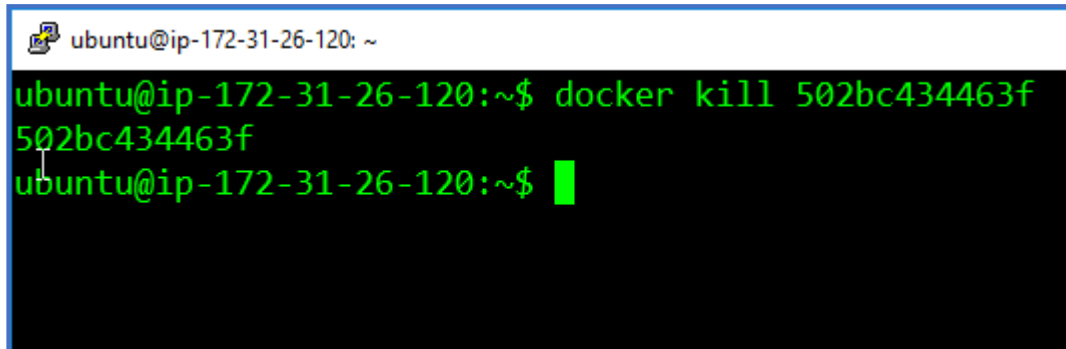
```
$ docker stop <container-id>
```

```
ubuntu@ip-172-31-26-120: ~
```

```
ubuntu@ip-172-31-26-120:~$ docker stop 233e926091f3
233e926091f3
ubuntu@ip-172-31-26-120:~$
```

**9:** This command kills the container by stopping its execution immediately. The difference between 'docker kill' and 'docker stop'. 'docker stop' gives the container time to shutdown gracefully, in situations when it is taking too much time for getting the container to stop, one can opt to kill it

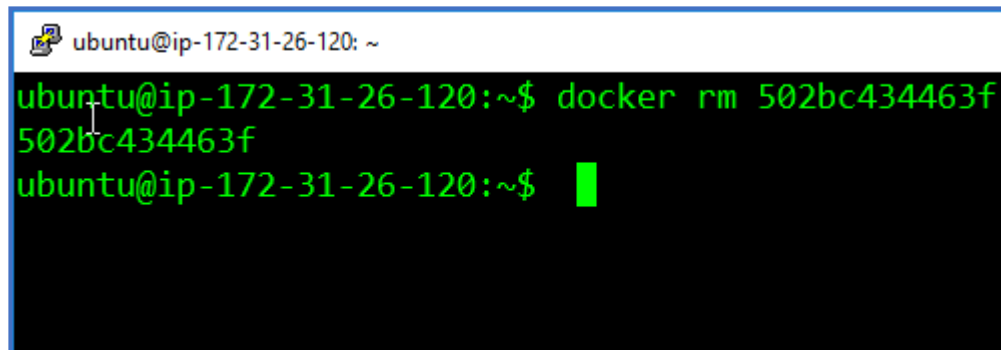
```
$ docker kill <container-id>
```

A terminal window with a blue border. The title bar shows a terminal icon and the text "ubuntu@ip-172-31-26-120: ~". The terminal content shows the command "docker kill 502bc434463f 502bc434463f" being entered and executed, with a green cursor at the end of the second line.

```
ubuntu@ip-172-31-26-120: ~  
ubuntu@ip-172-31-26-120:~$ docker kill 502bc434463f 502bc434463f  
ubuntu@ip-172-31-26-120:~$
```

**10:** To remove a stopped container from the system, we use the "rm" command

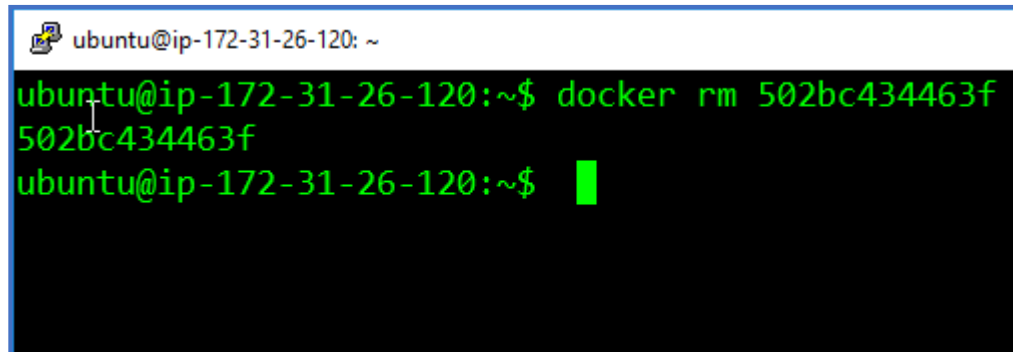
```
$ docker rm <container-id>
```

A terminal window with a blue border. The title bar shows a terminal icon and the text "ubuntu@ip-172-31-26-120: ~". The terminal content shows the command "docker rm 502bc434463f 502bc434463f" being entered and executed, with a green cursor at the end of the second line.

```
ubuntu@ip-172-31-26-120: ~  
ubuntu@ip-172-31-26-120:~$ docker rm 502bc434463f 502bc434463f  
ubuntu@ip-172-31-26-120:~$
```

**11:** To remove an image from the system we use the command “rmi”

```
$ docker rmi <image-id>
```

A screenshot of a terminal window with a blue border. The title bar shows a terminal icon and the text "ubuntu@ip-172-31-26-120: ~". The terminal content shows a green prompt "ubuntu@ip-172-31-26-120:~\$" followed by the command "docker rm 502bc434463f 502bc434463f" and a green cursor. The background of the terminal is black.

```
ubuntu@ip-172-31-26-120: ~  
ubuntu@ip-172-31-26-120:~$ docker rm 502bc434463f 502bc434463f  
ubuntu@ip-172-31-26-120:~$ █
```

