

# ALL Docker Commands

## 1. Docker --version

```
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:~$
```

This command helps you know the installed version of the docker software on your system.

## 2. Docker pull ubuntu

```
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: sha256:6d0e0c26489e33f5a6f0020edface2727db94897  
Status: Downloaded newer image for ubuntu:latest  
ubuntu@ip-172-31-26-120:~$
```

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

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## 3. Docker images

`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:~$
```

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

## 4. Docker run - it - d ubuntu

`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:~$
```

This command helps in running containers from their image name.

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## 5. Docker ps

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:~$
```

This command helps in listing all the containers which are **running** in the system.

## 6. Docker ps -a

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:~$
```

If there are any stopped containers, they can be seen by adding the **-a** flag in this command.

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## 7. Docker exec <container-id>

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

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

For logging into/accessing the container, one can use the **exec** command.

## 8. Docker stop <container-id>

```
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:~$
```

For stopping a running container, we use the **stop** command.

## 9. Docker inspect <container\_id>

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## 10. Docker kill <container-id>

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

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

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; whereas, in situations when it is taking too much time for getting the container to stop, one can opt to kill it.

## 11. docker rm < container-id >

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

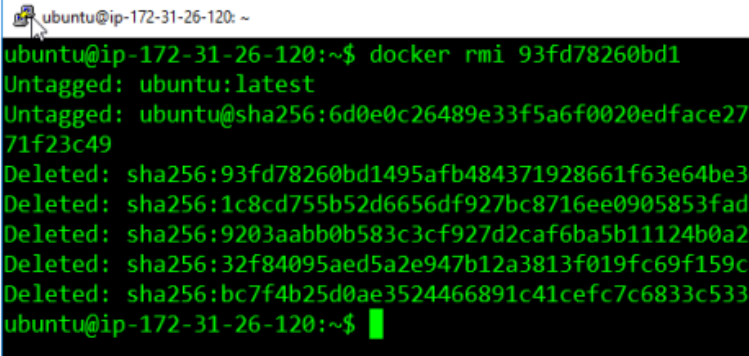
```
ubuntu@ip-172-31-26-120: ~  
ubuntu@ip-172-31-26-120:~$ docker rm 502bc434463f  
502bc434463f  
ubuntu@ip-172-31-26-120:~$ █
```

To remove a stopped container from the system, we use the **rm** command.

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## 12. docker rmi

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



```
ubuntu@ip-172-31-26-120: ~  
ubuntu@ip-172-31-26-120:~$ docker rmi 93fd78260bd1  
Untagged: ubuntu:latest  
Untagged: ubuntu@sha256:6d0e0c26489e33f5a6f0020edface2771f23c49  
Deleted: sha256:93fd78260bd1495afb484371928661f63e64be3  
Deleted: sha256:1c8cd755b52d6656df927bc8716ee0905853fad  
Deleted: sha256:9203aabb0b583c3cf927d2caf6ba5b11124b0a2  
Deleted: sha256:32f84095aed5a2e947b12a3813f019fc69f159c  
Deleted: sha256:bc7f4b25d0ae3524466891c41cefc7c6833c533  
ubuntu@ip-172-31-26-120:~$
```

To remove an image from the system, we use the **rmi** command.