

Install Docker in LINUX (Ubuntu 20.04)

```
sudo apt-get update && sudo apt-get upgrade -y
```

```
sudo apt install apt-transport-https ca-certificates curl software-properties-common
```

```
curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo apt-key add -
```

```
sudo add-apt-repository "deb [arch=amd64] https://download.docker.com/linux/ubuntu focal stable"
```

```
apt-cache policy docker-ce
```

```
sudo apt install docker-ce
```

```
sudo systemctl status docker
```

Check your docker information

```
docker info
```

```
docker version
```

Docker Help Command

```
docker --help |less
```

Management Commands

```
container
```

```
image
```

```
network
```

```
build
```

Commands/Child Commands/ Action on Management Commands

```
create
```

```
rm
```

```
ls, etc.
```

Show list of available container

docker container ls

docker image ls

docker network ls

docker ps //Show all running Docker Container

Create a container / Pull request

docker container run ubuntu

#Execute a specific command in container

docker container run ubuntu cat /etc/os-release

docker container run ubuntu sleep 30

View all container

docker container ls -a

Download/pull new container of nginx, mysql, ubuntu:14.04

docker container run nginx

docker container run mysql

docker container run ubuntu:14.04

Remove a container

docker container rm <container-id>

docker ls -a

Start a specific docker container

docker container start <container-id>

docker container stop <container-id>

Docker run at background

docker container run -d ubuntu

docker container run -d nginx

Interaction with container

```
docker container run -it ubuntu /bin/bash
```

Remove all container at once

```
docker container ls -aq
```

```
docker container rm $(docker container ls -aq)
```

Inspect the container

```
docker container run -d nginx
```

```
docker container inspect <container-id> | less
```

```
docker container logs <container-id>
```

```
docker container stats
```