

Docker

1º Primero hacemos un `sudo apt update` & para actualizar los datos y archivos de ubuntu

```
C:\Users\Alumno.DESKTOP-DI5KTUG>wsl
manolo@A6Alumno19:/mnt/c/Users/Alumno.DESKTOP-DI5KTUG$ sudo apt update
[sudo] password for manolo:
Hit:1 http://archive.ubuntu.com/ubuntu noble InRelease
Hit:2 https://download.docker.com/linux/ubuntu noble InRelease
Get:3 http://archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:4 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Get:5 http://archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:6 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [1490 kB]
Get:7 http://archive.ubuntu.com/ubuntu noble-updates/main Translation-en [287 kB]
Get:8 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 Components [175 kB]
Get:9 http://archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [1487 kB]
Get:10 http://archive.ubuntu.com/ubuntu noble-updates/universe amd64 Components [378 kB]
Get:11 http://archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Packages [2068 kB]
Get:12 http://archive.ubuntu.com/ubuntu noble-updates/restricted Translation-en [467 kB]
Get:13 http://archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Components [212 B]
Get:14 http://archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Components [940 B]
Get:15 http://archive.ubuntu.com/ubuntu noble-backports/main amd64 Components [7164 B]
Get:16 http://archive.ubuntu.com/ubuntu noble-backports/universe amd64 Components [11.0 kB]
Get:17 http://archive.ubuntu.com/ubuntu noble-backports/restricted amd64 Components [216 B]
Get:18 http://archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 Components [212 B]
Get:19 http://security.ubuntu.com/ubuntu noble-security/main amd64 Components [21.5 kB]
Get:20 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Components [52.3 kB]
Get:21 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Components [212 B]
Get:22 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Components [212 B]
Fetched 6823 kB in 1s (7223 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
All packages are up to date.
```

```
manolo@A6Alumno19:/mnt/c/Users/Alumno.DESKTOP-DI5KTUG$ sudo apt upgrade -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Calculating upgrade... Done
The following package was automatically installed and is no longer required:
  libllvm19
Use 'sudo apt autoremove' to remove it.
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
```

```
manolo@A6Alumno19:/mnt/c/Users/Alumno.DESKTOP-DI5KTUG$ sudo apt install apt-transport-https ca-certificates curl software-properties-common -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
apt-transport-https is already the newest version (2.8.3).
ca-certificates is already the newest version (20240203).
curl is already the newest version (8.5.0-2ubuntu10.6).
software-properties-common is already the newest version (0.99.49.3).
The following package was automatically installed and is no longer required:
  libllvm19
Use 'sudo apt autoremove' to remove it.
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
```

```
mano1o@A6Alumno19:/mnt/c/Users/Alumno.DESKTOP-DISK1UG$ sudo apt update
Hit:1 http://archive.ubuntu.com/ubuntu noble InRelease
Hit:2 https://download.docker.com/linux/ubuntu noble InRelease
Hit:3 http://security.ubuntu.com/ubuntu noble-security InRelease
Hit:4 http://archive.ubuntu.com/ubuntu noble-updates InRelease
Hit:5 http://archive.ubuntu.com/ubuntu noble-backports InRelease
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
All packages are up to date.
mano1o@A6Alumno19:/mnt/c/Users/Alumno.DESKTOP-DISK1UG$ sudo apt install docker-ce docker-ce-cli containerd.io docker-buildx-plugin docker-compose-plugin -y
Reading package lists... Done
```

```
mano1o@A6Alumno19:/mnt/c/Users/Alumno.DESKTOP-DISK1UG$ echo "deb [arch=$(dpkg --print-architecture) signed-by=/usr/share/keyrings/docker-archive-keyring.gpg] \
https://download.docker.com/linux/ubuntu $(lsb_release -cs) stable" | sudo tee /etc/apt/sources.list.d/docker.list > /dev/null
mano1o@A6Alumno19:/mnt/c/Users/Alumno.DESKTOP-DISK1UG$ sudo apt update
Hit:1 http://archive.ubuntu.com/ubuntu noble InRelease
Hit:2 https://download.docker.com/linux/ubuntu noble InRelease
Hit:3 http://security.ubuntu.com/ubuntu noble-security InRelease
Hit:4 http://archive.ubuntu.com/ubuntu noble-updates InRelease
Hit:5 http://archive.ubuntu.com/ubuntu noble-backports InRelease
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
All packages are up to date.
```

Ahora se pone este comando: `sudo apt install docker-ce docker-ce-cli containerd.io docker-buildx-plugin docker-compose-plugin` que se encarga de instalar todo lo necesario para que funcione docker.

```
All packages are up to date.
mano1o@A6Alumno19:/mnt/c/Users/Alumno.DESKTOP-DISK1UG$ sudo apt install docker-ce docker-ce-cli containerd.io docker-buildx-plugin docker-compose-plugin -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following package was automatically installed and is no longer required:
  liblvm19
Use 'sudo apt autoremove' to remove it.
The following additional packages will be installed:
  docker-ce-rootless-extras iptables libip4tc2 libip6tc2 libnetfilter-contrack3 libnfnetlink0 libnftables1 libnftnl11
  libslirp0 nftables pigz slirp4netns
Suggested packages:
  cgroupfs-mount | cgroup-lite docker-model-plugin firewalld
The following NEW packages will be installed:
  containerd.io docker-buildx-plugin docker-ce docker-ce-cli docker-ce-rootless-extras docker-compose-plugin iptables
  libip4tc2 libip6tc2 libnetfilter-contrack3 libnfnetlink0 libnftables1 libnftnl11 libslirp0 nftables pigz
0 upgraded, 14 newly installed, 0 to remove and 0 not installed.
```

Y despues deste comando: `sudo docker pull ubuntu` para que desccargue la imageb oficial de ubuntu

```
mano1o@A6Alumno19:/mnt/c/Users/Alumno.DESKTOP-DISK1UG$ sudo docker pull ubuntu
Using default tag: latest
latest: Pulling from library/ubuntu
ala21c96bc16: Pull complete
Digest: sha256:728785b59223d755e3e5c5af178fab1be7031f3522c5ccd7a0b32b80d8248123
Status: Downloaded newer image for ubuntu:latest
docker.io/library/ubuntu:latest
```

Y el comando `sudo systemctl status docker` para comprobar que funcione el comando

```

mano1o@A6Alumno19:/mnt/c/Users/Alumno.DESKTOP-DISKTUG$ sudo systemctl status docker
● docker.service - Docker Application Container Engine
   Loaded: loaded (/usr/lib/systemd/system/docker.service; enabled; preset: enabled)
   Active: active (running) since Tue 2025-10-07 14:41:05 CEST; 17s ago
     TriggeredBy: ● docker.socket
        Docs: https://docs.docker.com
      Main PID: 1719 (dockerd)
         Tasks: 18
        Memory: 128.3M (peak: 156.6M)
           CPU: 2.064s
      CGroup: /system.slice/docker.service
              └─1719 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/containerd.sock

Oct 07 14:41:05 A6Alumno19 dockerd[1719]: time="2025-10-07T14:41:05.591342587+02:00" level=info msg="CDI directory does>
Oct 07 14:41:05 A6Alumno19 dockerd[1719]: time="2025-10-07T14:41:05.599953290+02:00" level=info msg="Creating a contain>
Oct 07 14:41:05 A6Alumno19 dockerd[1719]: time="2025-10-07T14:41:05.661367230+02:00" level=info msg="Loading containers>
Oct 07 14:41:05 A6Alumno19 dockerd[1719]: time="2025-10-07T14:41:05.852245086+02:00" level=info msg="Loading containers>

```

```

mano1o@A6Alumno19:/mnt/c/Users/Alumno.DESKTOP-DISKTUG$ docker info
Client: Docker Engine - Community
 Version:      28.5.0
 Context:      default
 Debug Mode:   false
 Plugins:
  buildx: Docker Buildx (Docker Inc.)
    Version:  v0.29.1
    Path:      /usr/libexec/docker/cli-plugins/docker-buildx
  compose: Docker Compose (Docker Inc.)
    Version:  v2.40.0
    Path:      /usr/libexec/docker/cli-plugins/docker-compose

```

```

mano1o@A6Alumno19:/mnt/c/Users/Alumno.DESKTOP-DISKTUG$ docker ps -a
permission denied while trying to connect to the Docker daemon socket at unix:///var/run/docker.sock: Get "http://%2Fvar%2Frun%2Fdocker.sock/v1.51/containers/json?all=1": dial unix /var/run/docker.sock: connect: permission denied
mano1o@A6Alumno19:/mnt/c/Users/Alumno.DESKTOP-DISKTUG$

```

Y para terminar comprobamos los archivos de docker y el usuario en docker

```
mano1o@A6Alumno19:/mnt/c/Users/Alumno.DESKTOP-DISKTUG$ sudo docker run -it ubuntu /bin/bash
root@e9dbbc5ec5cb:/#
```