Actividades   Terminal ▾   23 de feb 18:06

david@david-VirtualBox: ~

```
david@david-VirtualBox:~$ sudo apt-get update
[sudo] contraseña para david:
Obj:1 http://co.archive.ubuntu.com/ubuntu focal InRelease
Des:2 http://security.ubuntu.com/ubuntu focal-security InRelease [114 kB]
Des:3 http://co.archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]
Des:4 http://co.archive.ubuntu.com/ubuntu focal-backports InRelease [108 kB]
Des:5 http://security.ubuntu.com/ubuntu focal-security/main i386 Packages [383 kB]
Des:6 http://co.archive.ubuntu.com/ubuntu focal-updates/main amd64 DEP-11 Metadata [280 kB]
Des:7 http://co.archive.ubuntu.com/ubuntu focal-updates/universe amd64 DEP-11 Metadata [391 kB]
Des:8 http://security.ubuntu.com/ubuntu focal-security/main amd64 Packages [1.265 kB]
Des:9 http://co.archive.ubuntu.com/ubuntu focal-updates/multiverse amd64 DEP-11 Metadata [940 B]
Des:10 http://co.archive.ubuntu.com/ubuntu focal-backports/main amd64 DEP-11 Metadata [7.980 B]
Des:11 http://co.archive.ubuntu.com/ubuntu focal-backports/universe amd64 DEP-11 Metadata [30,5 kB]
Des:12 http://security.ubuntu.com/ubuntu focal-security/main amd64 DEP-11 Metadata [40,6 kB]
Des:13 http://security.ubuntu.com/ubuntu focal-security/universe amd64 Packages [679 kB]
Des:14 http://security.ubuntu.com/ubuntu focal-security/universe i386 Packages [535 kB]
Des:15 http://security.ubuntu.com/ubuntu focal-security/universe amd64 DEP-11 Metadata [66,3 kB]
Des:16 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 DEP-11 Metadata [2.460 B]
Descargados 4.018 kB en 6s (685 kB/s)
Leyendo lista de paquetes... Hecho
david@david-VirtualBox:~$
```

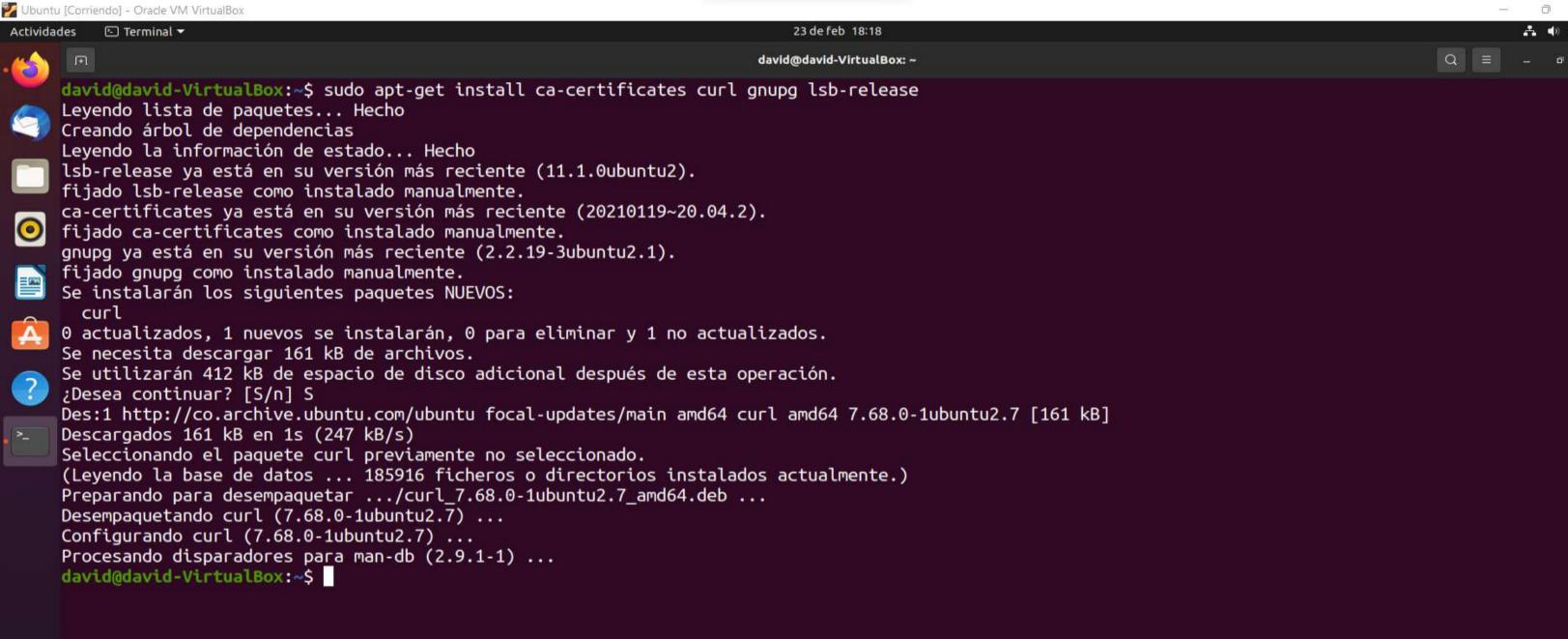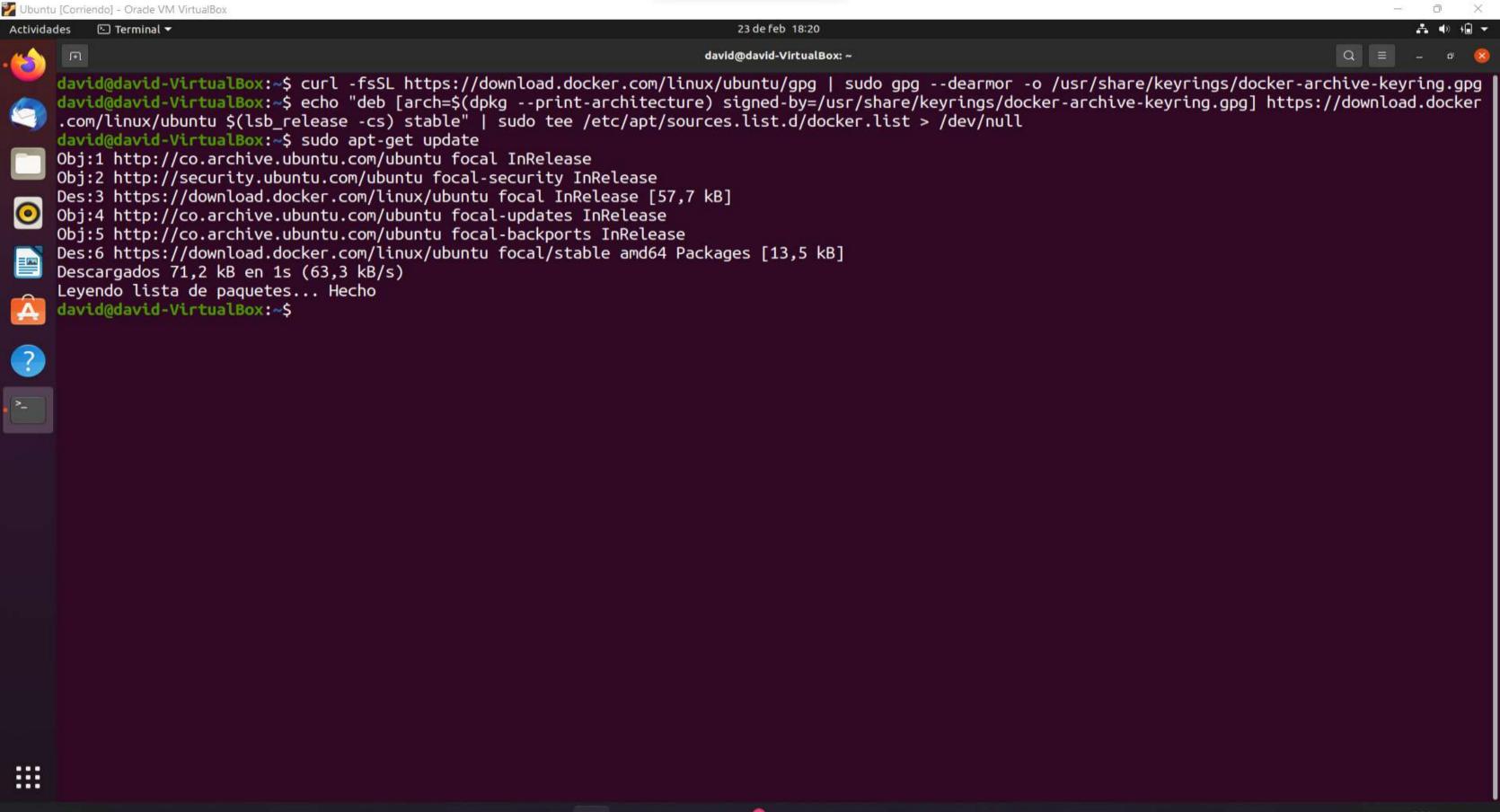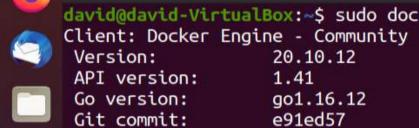6:06 p. m.
23/02/2022

```
david@david-VirtualBox:~$ sudo apt-get install ca-certificates curl gnupg lsb-release
Leyendo lista de paquetes... Hecho
Creando árbol de dependencias
Leyendo la información de estado... Hecho
lsb-release ya está en su versión más reciente (11.1.0ubuntu2).
fijado lsb-release como instalado manualmente.
ca-certificates ya está en su versión más reciente (20210119~20.04.2).
fijado ca-certificates como instalado manualmente.
gnupg ya está en su versión más reciente (2.2.19-3ubuntu2.1).
fijado gnupg como instalado manualmente.
Se instalarán los siguientes paquetes NUEVOS:
  curl
0 actualizados, 1 nuevos se instalarán, 0 para eliminar y 1 no actualizados.
Se necesita descargar 161 kB de archivos.
Se utilizarán 412 kB de espacio de disco adicional después de esta operación.
¿Desea continuar? [S/n] S
Des:1 http://co.archive.ubuntu.com/ubuntu focal-updates/main amd64 curl amd64 7.68.0-1ubuntu2.7 [161 kB]
Descargados 161 kB en 1s (247 kB/s)
Seleccionando el paquete curl previamente no seleccionado.
(Leyendo la base de datos ... 185916 ficheros o directorios instalados actualmente.)
Preparando para desempaquetar .../curl_7.68.0-1ubuntu2.7_amd64.deb ...
Desempaquetando curl (7.68.0-1ubuntu2.7) ...
Configurando curl (7.68.0-1ubuntu2.7) ...
Procesando disparadores para man-db (2.9.1-1) ...
david@david-VirtualBox:~$
```

```
david@david-VirtualBox:~$ curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo gpg --dearmor -o /usr/share/keyrings/docker-archive-keyring.gpg
david@david-VirtualBox:~$ echo "deb [arch=$(dpkg --print-architecture) signed-by=/usr/share/keyrings/docker-archive-keyring.gpg] https://download.docker
.com/linux/ubuntu $(lsb_release -cs) stable" | sudo tee /etc/apt/sources.list.d/docker.list > /dev/null
david@david-VirtualBox:~$ sudo apt-get update
Obj:1 http://co.archive.ubuntu.com/ubuntu focal InRelease
Obj:2 http://security.ubuntu.com/ubuntu focal-security InRelease
Des:3 https://download.docker.com/linux/ubuntu focal InRelease [57,7 kB]
Obj:4 http://co.archive.ubuntu.com/ubuntu focal-updates InRelease
Obj:5 http://co.archive.ubuntu.com/ubuntu focal-backports InRelease
Des:6 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages [13,5 kB]
Descargados 71,2 kB en 1s (63,3 kB/s)
Leyendo lista de paquetes... Hecho
david@david-VirtualBox:~$
```

Actividades   Terminal ▾

23 de feb 18:22

david@david-VirtualBox: ~

```
david@david-VirtualBox:~$ sudo apt-get install docker-ce docker-ce-cli containerd.io
Leyendo lista de paquetes... Hecho
Creando árbol de dependencias
Leyendo la información de estado... Hecho
Se instalarán los siguientes paquetes adicionales:
  docker-ce-rootless-extras docker-scan-plugin git git-man liberror-perl pigz slirp4netns
Paquetes sugeridos:
  aufs-tools cgroupfs-mount | cgroup-lite git-daemon-run | git-daemon-sysvinit git-doc git-el git-email git-gui gitk gitweb git-cvs git-mediawiki
  git-svn
Se instalarán los siguientes paquetes NUEVOS:
  containerd.io docker-ce docker-ce-cli docker-ce-rootless-extras docker-scan-plugin git git-man liberror-perl pigz slirp4netns
0 actualizados, 10 nuevos se instalarán, 0 para eliminar y 1 no actualizados.
Se necesita descargar 103 MB de archivos.
Se utilizarán 447 MB de espacio de disco adicional después de esta operación.
¿Desea continuar? [S/n] s
Des:1 https://download.docker.com/linux/ubuntu focal/stable amd64 containerd.io amd64 1.4.12-1 [23,7 MB]
Des:2 http://co.archive.ubuntu.com/ubuntu focal/universe amd64 pigz amd64 2.4-1 [57,4 kB]
Des:3 http://co.archive.ubuntu.com/ubuntu focal/main amd64 liberror-perl all 0.17029-1 [26,5 kB]
Des:4 http://co.archive.ubuntu.com/ubuntu focal-updates/main amd64 git-man all 1:2.25.1-1ubuntu3.2 [884 kB]
Des:5 http://co.archive.ubuntu.com/ubuntu focal-updates/main amd64 git amd64 1:2.25.1-1ubuntu3.2 [4.554 kB]
Des:6 https://download.docker.com/linux/ubuntu focal/stable amd64 docker-ce-cli amd64 5:20.10.12~3-0~ubuntu-focal [40,7 MB]
Des:7 https://download.docker.com/linux/ubuntu focal/stable amd64 docker-ce amd64 5:20.10.12~3-0~ubuntu-focal [21,2 MB]
Des:8 https://download.docker.com/linux/ubuntu focal/stable amd64 docker-ce-rootless-extras amd64 5:20.10.12~3-0~ubuntu-focal [7.921 kB]
Des:9 https://download.docker.com/linux/ubuntu focal/stable amd64 docker-scan-plugin amd64 0.12.0~ubuntu-focal [3.518 kB]
Des:10 http://co.archive.ubuntu.com/ubuntu focal/universe amd64 slirp4netns amd64 0.4.3-1 [74,3 kB]
Descargados 103 MB en 20s (5.113 kB/s)
Seleccionando el paquete pigz previamente no seleccionado.
(Leyendo la base de datos ... 185923 ficheros o directorios instalados actualmente.)
Preparando para desempaquetar .../0-pigz_2.4-1_amd64.deb ...
Desempaquetando pigz (2.4-1) ...
Seleccionando el paquete containerd.io previamente no seleccionado.
Preparando para desempaquetar .../1-containerd.io_1.4.12-1_amd64.deb ...
Desempaquetando containerd.io (1.4.12-1) ...
Seleccionando el paquete docker-ce-cli previamente no seleccionado.
Preparando para desempaquetar .../2-docker-ce-cli_5%3a20.10.12~3-0~ubuntu-focal_amd64.deb ...
Desempaquetando docker-ce-cli (5:20.10.12~3-0~ubuntu-focal) ...
Seleccionando el paquete docker-ce previamente no seleccionado.
Preparando para desempaquetar .../3-docker-ce_5%3a20.10.12~3-0~ubuntu-focal_amd64.deb ...
Desempaquetando docker-ce (5:20.10.12~3-0~ubuntu-focal) ...
```

6:22 p. m.
23/02/2022

```
david@david-VirtualBox:~$ sudo docker version
Client: Docker Engine - Community
 Version:           20.10.12
 API version:       1.41
 Go version:        go1.16.12
 Git commit:        e91ed57
 Built:             Mon Dec 13 11:45:33 2021
 OS/Arch:           linux/amd64
 Context:           default
 Experimental:      true

Server: Docker Engine - Community
 Engine:
  Version:          20.10.12
  API version:      1.41 (minimum version 1.12)
  Go version:       go1.16.12
  Git commit:       459d0df
  Built:            Mon Dec 13 11:43:42 2021
  OS/Arch:          linux/amd64
  Experimental:     false
 containerd:
  Version:          1.4.12
  GitCommit:        7b11cfaabd73bb80907dd23182b9347b4245eb5d
 runc:
  Version:          1.0.2
  GitCommit:        v1.0.2-0-g52b36a2
 docker-init:
  Version:          0.19.0
  GitCommit:        de40ad0
david@david-VirtualBox:~$
```
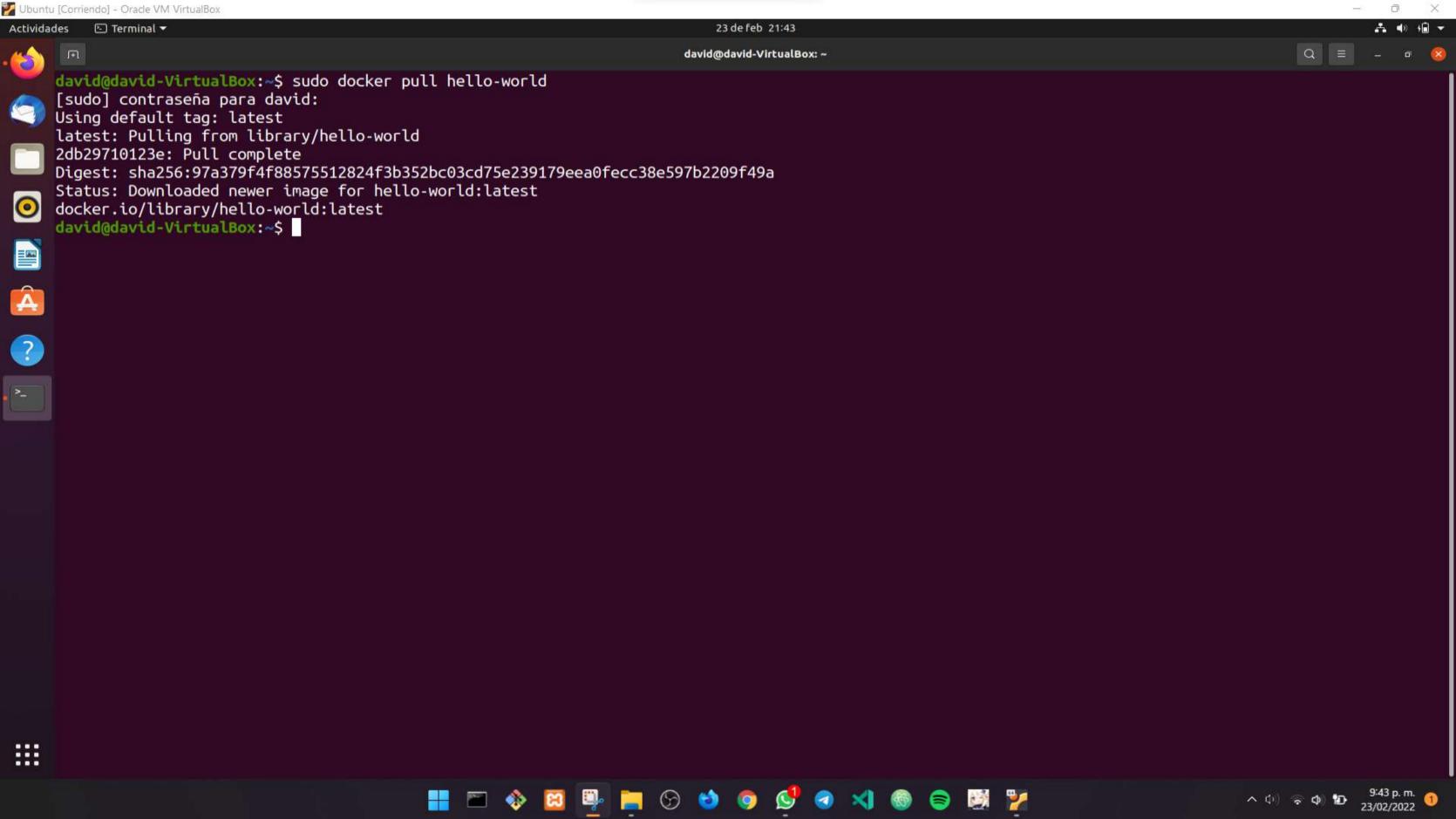
Actividades   Terminal   23 de feb 18:24

david@david-VirtualBox: ~

```
david@david-VirtualBox:~$ sudo groupadd docker
groupadd: el grupo «docker» ya existe
david@david-VirtualBox:~$ sudo usermod -aG docker $USER
david@david-VirtualBox:~$
```

6:24 p. m.
23/02/2022

Actividades Navegador web Firefox 23 de feb 21:42

Curso: DEVOPS_DEVOPS Guia de Instalación y Primer Hello-world - Official Ima

https://hub.docker.com/_/hello-world

docker hub 🔍 hello wo   Explore Pricing Sign In **Sign Up**

Explore > Official Images > hello-world

hello-world ✅ Official Image ☆

Hello World! (an example of minimal Dockerization)

⬇ 1B+

Container Windows Linux IBM Z ARM ARM 64 386 mips64le PowerPC 64 LE riscv64 x86-64

Official Image

Copy and paste to pull this image

```
docker pull hello-world
```

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Sign up for a Docker ID to gain access to all the free features Docker has to offer, including unlimited public repositories, increased container image requests, and much more.

Sign Up

Quick reference

- **Maintained by:** the Docker Community

9:42 p. m.
23/02/2022

Actividades   Terminal   23 de feb 21:43

david@david-VirtualBox: ~

```
david@david-VirtualBox:~$ sudo docker pull hello-world
[sudo] contraseña para david:
Using default tag: latest
latest: Pulling from library/hello-world
2db29710123e: Pull complete
Digest: sha256:97a379f4f88575512824f3b352bc03cd75e239179eea0fecc38e597b2209f49a
Status: Downloaded newer image for hello-world:latest
docker.io/library/hello-world:latest
david@david-VirtualBox:~$
```

9:43 p. m.
23/02/2022

Actividades   Terminal

23 de feb 22:12

david@david-VirtualBox: ~

```
david@david-VirtualBox:~$ docker images hello-world
REPOSITORY      TAG        IMAGE ID         CREATED          SIZE
hello-world     latest     feb5d9fea6a5     5 months ago     13.3kB
david@david-VirtualBox:~$
```

10:12 p. m.
23/02/2022

```
david@david-VirtualBox:~$ docker run hello-world

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/get-started/

david@david-VirtualBox:~$
```
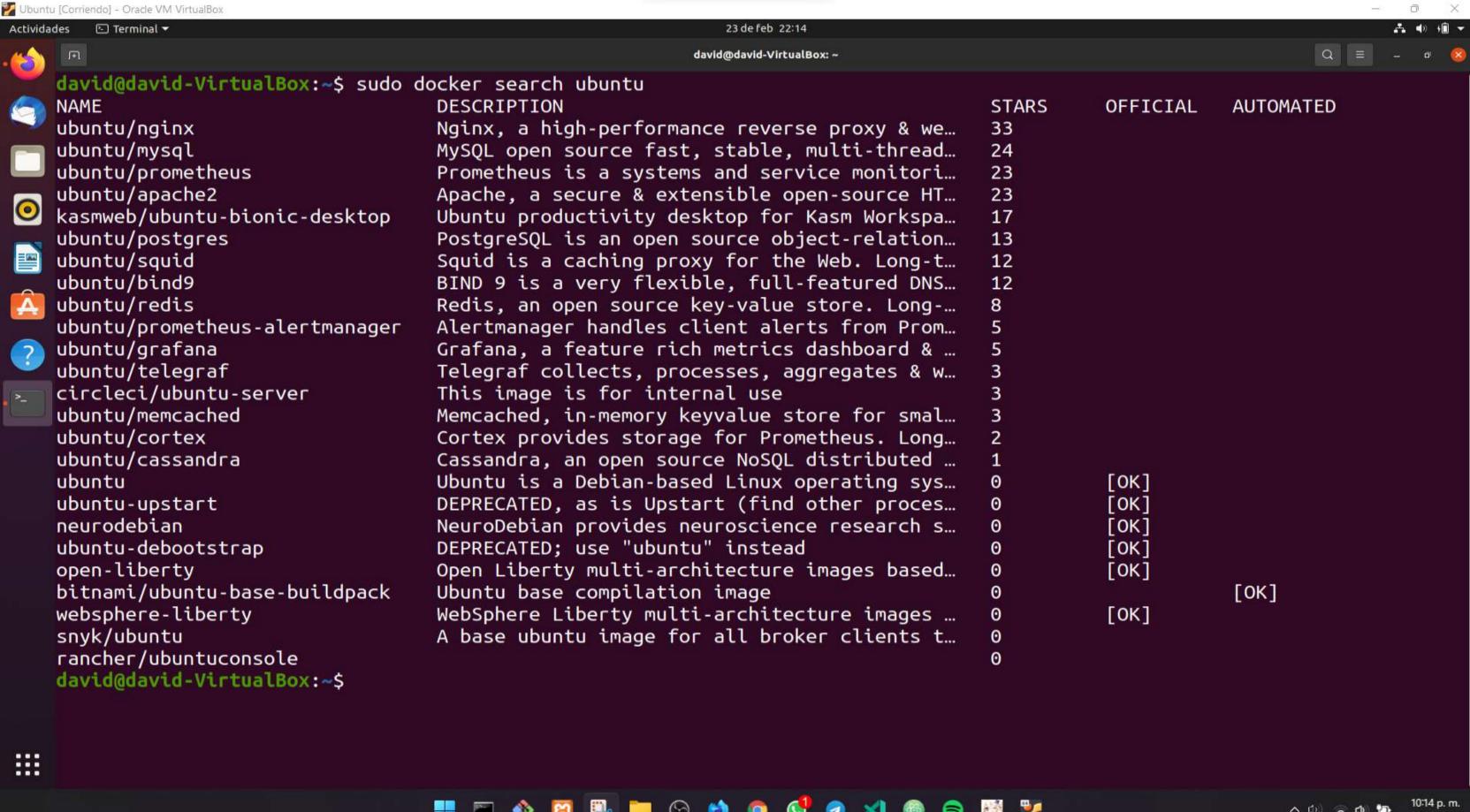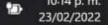
Actividades   Terminal ▾   23 de feb 22:14

david@david-VirtualBox: ~

```
david@david-VirtualBox:~$ sudo docker search ubuntu
NAME                              DESCRIPTION                                STARS      OFFICIAL    AUTOMATED
ubuntu/nginx                      Nginx, a high-performance reverse proxy & we…  33
ubuntu/mysql                      MySQL open source fast, stable, multi-thread…  24
ubuntu/prometheus                 Prometheus is a systems and service monitori…  23
ubuntu/apache2                    Apache, a secure & extensible open-source HT…  23
kasmweb/ubuntu-bionic-desktop     Ubuntu productivity desktop for Kasm Workspa…  17
ubuntu/postgres                   PostgreSQL is an open source object-relation…  13
ubuntu/squid                      Squid is a caching proxy for the Web. Long-t…  12
ubuntu/bind9                      BIND 9 is a very flexible, full-featured DNS…  12
ubuntu/redis                      Redis, an open source key-value store. Long-…  8
ubuntu/prometheus-alertmanager    Alertmanager handles client alerts from Prom…  5
ubuntu/grafana                    Grafana, a feature rich metrics dashboard & …  5
ubuntu/telegraf                   Telegraf collects, processes, aggregates & w…  3
circleci/ubuntu-server            This image is for internal use                 3
ubuntu/memcached                  Memcached, in-memory keyvalue store for smal…  3
ubuntu/cortex                     Cortex provides storage for Prometheus. Long…  2
ubuntu/cassandra                  Cassandra, an open source NoSQL distributed …  1
ubuntu                            Ubuntu is a Debian-based Linux operating sys…  0          [OK]
ubuntu-upstart                    DEPRECATED, as is Upstart (find other proces…  0          [OK]
neurodebian                       NeuroDebian provides neuroscience research s…  0          [OK]
ubuntu-debootstrap                DEPRECATED; use "ubuntu" instead               0          [OK]
open-liberty                      Open Liberty multi-architecture images based…  0          [OK]
bitnami/ubuntu-base-buildpack     Ubuntu base compilation image                  0                      [OK]
websphere-liberty                 WebSphere Liberty multi-architecture images …  0          [OK]
snyk/ubuntu                       A base ubuntu image for all broker clients t…  0
rancher/ubuntuconsole                                                            0
david@david-VirtualBox:~$
```

```
david@david-VirtualBox:~$ docker pull ubuntu
Using default tag: latest
latest: Pulling from library/ubuntu
08c01a0ec47e: Pull complete
Digest: sha256:669e010b58baf5beb2836b253c1fd5768333f0d1dbcb834f7c07a4dc93f474be
Status: Downloaded newer image for ubuntu:latest
docker.io/library/ubuntu:latest
david@david-VirtualBox:~$ docker images
REPOSITORY      TAG         IMAGE ID         CREATED         SIZE
ubuntu          latest      54c9d81cbb44     3 weeks ago     72.8MB
hello-world     latest      feb5d9fea6a5     5 months ago    13.3kB
david@david-VirtualBox:~$
```
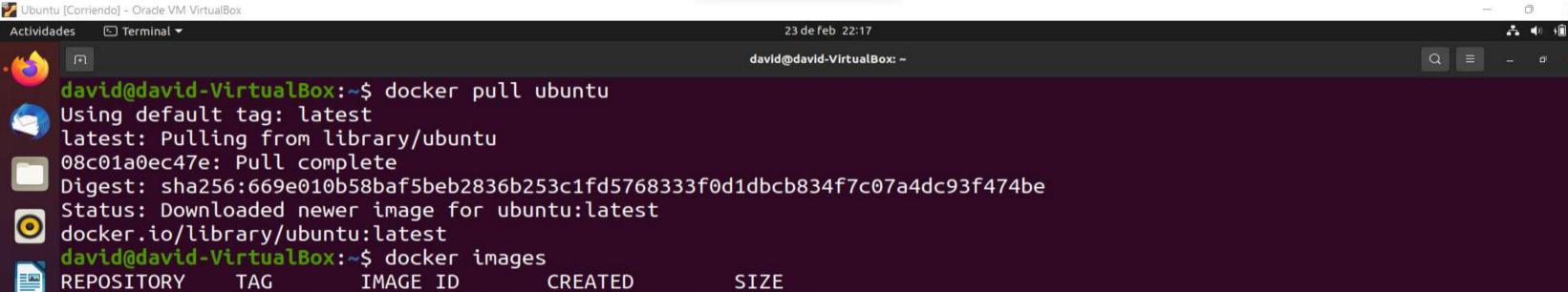
```
david@david-VirtualBox:~$ docker run ubuntu echo 'Hello world'
Hello world
david@david-VirtualBox:~$ docker run -it ubuntu bash
root@86c9a49d7eb6:/# ls
bin   boot  dev  etc  home  lib  lib32  lib64  libx32  media  mnt  opt  proc  root  run  sbin  srv  sys  tmp  usr  var
root@86c9a49d7eb6:/# ls -a
.    .dockerenv  boot  etc   lib    lib64   media  opt   root  sbin  sys  usr
..   bin         dev   home  lib32  libx32  mnt    proc  run   srv   tmp  var
root@86c9a49d7eb6:/#
```

david@david-VirtualBox: ~   root@7d7424b4109e: /

```
david@david-VirtualBox:~$ docker ps
CONTAINER ID     IMAGE       COMMAND      CREATED         STATUS          PORTS       NAMES
7d7424b4109e     ubuntu      "bash"       7 seconds ago   Up 6 seconds                adoring_bell
david@david-VirtualBox:~$
```

```
david@david-VirtualBox:~$ docker ps
CONTAINER ID    IMAGE       COMMAND       CREATED            STATUS              PORTS        NAMES
7d7424b4109e    ubuntu      "bash"        7 seconds ago      Up 6 seconds                     adoring_bell
david@david-VirtualBox:~$ docker ps
CONTAINER ID    IMAGE       COMMAND       CREATED     STATUS       PORTS        NAMES
david@david-VirtualBox:~$
```