

Instalación de DOCKER en Kali Linux



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INSTALACIÓN DOCKER EN KALI LINUX EN VMWARE (YO ESTOY OCUPANDO EL VMWARE PLAYER)

1. Verificar si no está instalado.

docker --version (ojo es guion doble - - sin espacio pero acá se ve como 1)

si no retorna nada, no está instalado.

2. Lanzamos la instalación de Docker

sudo apt update

sudo apt install docker.io -y

3. En mi caso me dio una lista de fallos y finalmente no se instaló.

```
kali@kali: ~  
File Actions Edit View Help  
(kali@kali)~  
$ sudo apt update  
zsh: bad pattern: ^[[200~sudo  
(kali@kali)~  
$ sudo apt install docker.io -y  
[sudo] password for kali:  
Sorry, try again.  
[sudo] password for kali:  
Installing:  
docker.io  
  
Installing dependencies:  
containerd libcompel1 libmodule-find-perl needrestart tini  
criu libintl-perl libproc-processtable-perl python3-pycrui  
docker-cli libintl-xs-perl libsort-naturally-perl runc  
  
Suggested packages:  
containernetworking-plugins btrfs-progs rinse zfs-fuse  
docker-doc cgroupfs-mount rootlesskit | zfsutils-linux  
aufs-tools debootstrap xfsprogs  
  
Summary:  
Upgrading: 0, Installing: 14, Removing: 0, Not Upgrading: 0  
Download size: 66.2 MB  
Space needed: 261 MB / 62.9 GB available  
  
Err:1 http://http.kali.org/kali kali-rolling/main amd64 runc amd64 1.1.15+ds1-1+b1  
404 Not Found [IP: 2607:5300:203:3fe6:: 80]  
Err:2 http://http.kali.org/kali kali-rolling/main amd64 containerd amd64 1.7.24~ds1-4  
404 Not Found [IP: 2607:5300:203:3fe6:: 80]  
Err:4 http://http.kali.org/kali kali-rolling/main amd64 docker.io amd64 26.1.5+dfsg1-4+b1  
404 Not Found [IP: 2607:5300:203:3fe6:: 80]  
Err:5 http://http.kali.org/kali kali-rolling/main amd64 libcompel1 amd64 4.0-2  
404 Not Found [IP: 2607:5300:203:3fe6:: 80]  
Err:6 http://http.kali.org/kali kali-rolling/main amd64 criu amd64 4.0-2  
404 Not Found [IP: 2607:5300:203:3fe6:: 80]  
Err:7 http://http.kali.org/kali kali-rolling/main amd64 docker-cli amd64 26.1.5+dfsg1-4+b1  
404 Not Found [IP: 2607:5300:203:3fe6:: 80]  
Err:8 http://http.kali.org/kali kali-rolling/main amd64 libintl-perl all 1.33-1  
404 Not Found [IP: 2607:5300:203:3fe6:: 80]  
Err:9 http://http.kali.org/kali kali-rolling/main amd64 libintl-xs-perl amd64 1.33-1+b3  
404 Not Found [IP: 2607:5300:203:3fe6:: 80]  
Get:10 http://kali.download/kali kali-rolling/main amd64 libmodule-find-perl all 0.16-2 [10.6 kB]  
Get:3 http://elmirror.cl/kali kali-rolling/main amd64 tini amd64 0.19.0-1 [255 kB]  
Get:11 http://http.kali.org/kali kali-rolling/main amd64 libproc-processtable-perl amd64 0.636-1+  
b3 [42.3 kB]  
Err:14 http://http.kali.org/kali kali-rolling/main amd64 python3-pycrui all 4.0-2  
404 Not Found [IP: 2607:5300:203:3fe6:: 80]  
Get:12 http://kali.download/kali kali-rolling/main amd64 libsort-naturally-perl all 1.03-4 [13.1  
kB]
```

4. Lo que está ocurriendo es **un error común cuando los paquetes cambian de versión en los repositorios oficiales**, pero mi sistema aún está apuntando a versiones antiguas que ya no existen (por eso da error 404). Entonces nos lanzamos a actualizar la lista de paquetes con:

sudo apt update

que para mi sorpresa me dio error también.

```
(kali@kali)-[~]
$ sudo apt update

Get:1 http://kali.download/kali kali-rolling InRelease [41.5 kB]
Err:1 http://kali.download/kali kali-rolling InRelease
  The following signatures couldn't be verified because the public key is not available: NO_PUBKE
Y ED65462EC8D5E4C5
All packages are up to date.
Warning: An error occurred during the signature verification. The repository is not updated and t
he previous index files will be used. GPG error: http://kali.download/kali kali-rolling InRelease
: The following signatures couldn't be verified because the public key is not available: NO_PUBKE
Y ED65462EC8D5E4C5
Warning: Failed to fetch http://http.kali.org/kali/dists/kali-rolling/InRelease The following si
gnatures couldn't be verified because the public key is not available: NO_PUBKEY ED65462EC8D5E4C5
Warning: Some index files failed to download. They have been ignored, or old ones used instead.
```

El error en este punto, básicamente se trata de que el sistema **no puede verificar la autenticidad de los paquetes del repositorio oficial de Kali**. Eso bloquea la instalación de Docker (y de cualquier otro paquete que dependa de ese repositorio).

¿Qué significa el error?

Kali necesita una **clave GPG pública** para verificar que los paquetes que descarga del repositorio son auténticos.

El error:

NO_PUBKEY ED65462EC8D5E4C5

Indica que esa clave no esta en el sistema, entonces la solución pasa por añadir la clave faltante de forma manual, ejecutando la siguiente línea en la terminal para descargar e importar la clave publica correcta.

```
sudo apt-key adv --keyserver keyserver.ubuntu.com --recv-keys  
ED65462EC8D5E4C5
```

cómo me vuelve a dar error, (**apt-key** va en desuso) usamos este otro método:

```
curl -fsSL https://archive.kali.org/archive-key.asc | sudo gpg --  
dearmor -o /usr/share/keyrings/kali-archive-keyring.gpg
```

Ahí nos preguntará si deseamos sobrescribir y decimos que **SI**

Ahora si podemos darle de nuevo al paso 2, **sudo apt update**.

```
(kali@kali)-[~]  
$ sudo apt-key adv --keyserver keyserver.ubuntu.com --recv-keys ED65462EC8D5E4C5  
sudo: apt-key: command not found  
  
(kali@kali)-[~]  
$ curl -fsSL https://archive.kali.org/archive-key.asc | sudo gpg --dearmor -o /usr/share/keyrin  
gs/kali-archive-keyring.gpg  
File '/usr/share/keyrings/kali-archive-keyring.gpg' exists. Overwrite? (y/N) y  
  
(kali@kali)-[~]  
$ sudo apt update  
Get:1 http://elmirror.cl/kali kali-rolling InRelease [41.5 kB]  
Get:2 http://elmirror.cl/kali kali-rolling/main amd64 Packages [21.0 MB]  
Get:3 http://elmirror.cl/kali kali-rolling/main amd64 Contents (deb) [52.0 MB]  
Get:4 http://elmirror.cl/kali kali-rolling/contrib amd64 Packages [121 kB]  
Get:5 http://elmirror.cl/kali kali-rolling/contrib amd64 Contents (deb) [327 kB]  
Get:6 http://elmirror.cl/kali kali-rolling/non-free amd64 Packages [204 kB]  
Get:7 http://elmirror.cl/kali kali-rolling/non-free amd64 Contents (deb) [914 kB]  
Get:8 http://elmirror.cl/kali kali-rolling/non-free-firmware amd64 Packages [10.6 kB]  
Get:9 http://elmirror.cl/kali kali-rolling/non-free-firmware amd64 Contents (deb) [24.3 kB]  
Fetched 74.6 MB in 7s (10.7 MB/s)  
1640 packages can be upgraded. Run 'apt list --upgradable' to see them.
```

5. Y ahora la segunda parte del paso 2,

```
sudo apt install docker.io -y
```


y comenzará la instalación de docker (al fin)

```
(kali@kali)-[~]
$ sudo apt install docker.io -y

Installing:
docker.io

Installing dependencies:
containerd      docker-cli      libintl-xs-perl      libsort-naturally-perl  runc
criu            libcompel1     libmodule-find-perl  needrestart             tini
docker-buildx  libintl-perl   libproc-processtable-perl  python3-pycriu

Suggested packages:
containernetworking-plugins  btrfs-progs      rinse      zfs-fuse
docker-doc                  cgroupfs-mount  rootlesskit | zfsutils-linux
aufs-tools                  debootstrap      xfsprogs

Summary:
Upgrading: 0, Installing: 15, Removing: 0, Not Upgrading: 1640
Download size: 81.1 MB / 81.4 MB
Space needed: 335 MB / 62.9 GB available

Get:1 http://http.kali.org/kali kali-rolling/main amd64 runc amd64 1.1.15+ds1-2+b3 [3,229 kB]
Get:4 http://kali.download/kali kali-rolling/main amd64 libcompel1 amd64 4.1-1 [64.0 kB]
Get:5 http://kali.download/kali kali-rolling/main amd64 criu amd64 4.1-1 [560 kB]
Get:6 http://http.kali.org/kali kali-rolling/main amd64 docker-buildx amd64 0.13.1+ds1-3 [13.2 MB]
Get:7 http://http.kali.org/kali kali-rolling/main amd64 docker-cli amd64 26.1.5+dfsg1-9+b3 [7,332 kB]
Get:2 http://http.kali.org/kali kali-rolling/main amd64 containerd amd64 1.7.24-ds1-5+b1 [32.8 MB]
Get:8 http://kali.download/kali kali-rolling/main amd64 libintl-perl all 1.35-1 [690 kB]
Get:9 http://kali.download/kali kali-rolling/main amd64 libintl-xs-perl amd64 1.35-1 [15.3 kB]
Get:10 http://kali.download/kali kali-rolling/main amd64 libmodule-find-perl all 0.17-1 [10.7 kB]
Get:12 http://kali.download/kali kali-rolling/main amd64 python3-pycriu all 4.1-1 [43.7 kB]
Get:3 http://http.kali.org/kali kali-rolling/main amd64 docker.io amd64 26.1.5+dfsg1-9+b3 [23.0 MB]
Get:11 http://mirror.ufro.cl/kali kali-rolling/main amd64 needrestart all 3.11-1 [68.6 kB]
Fetched 81.1 MB in 2s (34.4 MB/s)
Selecting previously unselected package runc.
(Reading database ... 406689 files and directories currently installed.)
Preparing to unpack .../00-runc_1.1.15+ds1-2+b3_amd64.deb ...
Unpacking runc (1.1.15+ds1-2+b3) ...
Selecting previously unselected package containerd.
Preparing to unpack .../01-containerd_1.7.24-ds1-5+b1_amd64.deb ...
Unpacking containerd (1.7.24-ds1-5+b1) ...
Selecting previously unselected package tini.
Preparing to unpack .../02-tini_0.19.0-1_amd64.deb ...
Unpacking tini (0.19.0-1) ...
```

6. Una vez finalizada la instalación se recomienda pasar por el paso 1 de nuevo que ahora si nos da la información correcta

```
(kali@kali)-[~]
$ docker --version
Docker version 26.1.5+dfsg1, build a72d7cd
```

7. Y verificamos que el servicio se encuentra activo con

sudo systemctl status Docker

```
(kali@kali)-[~]
$ 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 Thu 2025-05-08 18:46:39 EDT; 2min 16s ago
     Invocation: 57206f02636f46a682c3e81abcbce9a
   TriggeredBy: ● docker.socket
       Docs: https://docs.docker.com
    Main PID: 5157 (dockerd)
       Tasks: 10
      Memory: 34.6M (peak: 36.5M)
         CPU: 263ms
       CGroup: /system.slice/docker.service
               └─5157 /usr/sbin/dockerd -H fd:// --containerd=/run/containerd/containerd.sock

May 08 18:46:38 kali systemd[1]: Starting docker.service - Docker Application Container Engine ...
May 08 18:46:38 kali (dockerd)[5157]: docker.service: Referenced but unset environment variable >
May 08 18:46:39 kali dockerd[5157]: time="2025-05-08T18:46:39.017367861-04:00" level=info msg="S>
May 08 18:46:39 kali dockerd[5157]: time="2025-05-08T18:46:39.126572079-04:00" level=info msg="L>
May 08 18:46:39 kali dockerd[5157]: time="2025-05-08T18:46:39.411373314-04:00" level=info msg="L>
May 08 18:46:39 kali dockerd[5157]: time="2025-05-08T18:46:39.425175898-04:00" level=info msg="D>
May 08 18:46:39 kali dockerd[5157]: time="2025-05-08T18:46:39.425263098-04:00" level=info msg="D>
May 08 18:46:39 kali dockerd[5157]: time="2025-05-08T18:46:39.448720765-04:00" level=info msg="A>
May 08 18:46:39 kali systemd[1]: Started docker.service - Docker Application Container Engine.
```

En la que vemos el indicativo de active marcado en "azul vincapervinca" (Snatch)

8. Y para estar más seguros tiramos una prueba rápida con el contenedor de prueba oficial de Docker.

sudo docker run hello-world

Si te saludan de vuelta con un **"Hello from Docker!"** entonces todo debería estar ok.

```
(kali㉿kali)-[~]  
$ sudo docker run hello-world  
  
Unable to find image 'hello-world:latest' locally  
latest: Pulling from library/hello-world  
e6590344b1a5: Pull complete  
Digest: sha256:c41088499908a59aae84b0a49c70e86f4731e588a737f1637e73c8c09d995654  
Status: Downloaded newer image for hello-world:latest  
  
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/
```

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