

```
Activities Terminal mai 12 23:53
vinicius@vinicius-VirtualBox: ~

2 history
vinicius@vinicius-VirtualBox:~$ sudo apt update
[sudo] password for vinicius:
Sorry, try again.
[sudo] password for vinicius:
Hit:1 http://br.archive.ubuntu.com/ubuntu jammy InRelease
Get:2 http://br.archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]
Get:3 http://br.archive.ubuntu.com/ubuntu jammy-backports InRelease [108 kB]
Get:4 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
Hit:5 https://download.docker.com/linux/ubuntu jammy InRelease
Fetched 337 kB in 20s (16,7 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
284 packages can be upgraded. Run 'apt list --upgradable' to see them.
vinicius@vinicius-VirtualBox:~$ sudo apt install apt-transport-https ca-certifi
cates curl software-properties-common
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
ca-certificates is already the newest version (20211016ubuntu0.22.04.1).
curl is already the newest version (7.81.0-1ubuntu1.10).
software-properties-common is already the newest version (0.99.22.6).
apt-transport-https is already the newest version (2.4.9).
The following package was automatically installed and is no longer required:
  systemd-hwe-hwdb
Use 'sudo apt autoremove' to remove it.
0 upgraded, 0 newly installed, 0 to remove and 284 not upgraded.
vinicius@vinicius-VirtualBox:~$
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Activities Terminal mai 12 23:54
vinicius@vinicius-VirtualBox: ~

0 upgraded, 0 newly installed, 0 to remove and 284 not upgraded.
vinicius@vinicius-VirtualBox:~$ curl -fsSL https://download.docker.com/linux/ub
untu/gpg | sudo gpg --dearmor -o /usr/share/keyrings/docker-archive-keyring.gpg
File '/usr/share/keyrings/docker-archive-keyring.gpg' exists. Overwrite? (y/N)
Enter new filename:
gpg: no valid OpenPGP data found.
gpg: dearmoring failed: File exists
vinicius@vinicius-VirtualBox:~$ curl -fsSL https://download.docker.com/linux/ub
untu/gpg | sudo gpg --dearmor -o /usr/share/keyrings/docker-archive-keyring.gpg
File '/usr/share/keyrings/docker-archive-keyring.gpg' exists. Overwrite? (y/N)
Enter new filename: n
vinicius@vinicius-VirtualBox:~$ ^C
vinicius@vinicius-VirtualBox:~$ curl -fsSL https://download.docker.com/linux/ub
untu/gpg | sudo gpg --dearmor -o /usr/share/keyrings/docker-archive-keyring.gpg
File '/usr/share/keyrings/docker-archive-keyring.gpg' exists. Overwrite? (y/N)
nmn
Enter new filename:
gpg: no valid OpenPGP data found.
gpg: dearmoring failed: File exists
vinicius@vinicius-VirtualBox:~$ echo "deb [arch=$(dpkg --print-architecture) si
gned-by=/usr/share/keyrings/docker-archive-keyring.gpg] https://download.docker
.com/linux/ubuntu $(lsb_release -cs) stable" | sudo tee /etc/apt/sources.list.d
/docker.list > /dev/null
vinicius@vinicius-VirtualBox:~$
vinicius@vinicius-VirtualBox:~$ sudo apt update
Hit:1 http://br.archive.ubuntu.com/ubuntu jammy InRelease
```



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Activities Terminal mai 12 23:54
vinicius@vinicius-VirtualBox: ~
vinicius@vinicius-VirtualBox:~$ apt-cache policy docker-ce
docker-ce:
  Installed: 5:23.0.6-1~ubuntu.22.04~jammy
  Candidate: 5:23.0.6-1~ubuntu.22.04~jammy
  Version table:
*** 5:23.0.6-1~ubuntu.22.04~jammy 500
    500 https://download.docker.com/linux/ubuntu jammy/stable amd64 Package
S
    100 /var/lib/dpkg/status
  5:23.0.5-1~ubuntu.22.04~jammy 500
    500 https://download.docker.com/linux/ubuntu jammy/stable amd64 Package
S
  5:23.0.4-1~ubuntu.22.04~jammy 500
    500 https://download.docker.com/linux/ubuntu jammy/stable amd64 Package
S
  5:23.0.3-1~ubuntu.22.04~jammy 500
    500 https://download.docker.com/linux/ubuntu jammy/stable amd64 Package
S
  5:23.0.2-1~ubuntu.22.04~jammy 500
    500 https://download.docker.com/linux/ubuntu jammy/stable amd64 Package
S
  5:23.0.1-1~ubuntu.22.04~jammy 500
    500 https://download.docker.com/linux/ubuntu jammy/stable amd64 Package
S
  5:23.0.0-1~ubuntu.22.04~jammy 500
    500 https://download.docker.com/linux/ubuntu jammy/stable amd64 Package
S
  5:20.10.24-3-0~ubuntu-jammy 500
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Activities Terminal mai 12 23:55
vinicius@vinicius-VirtualBox: ~
vinicius@vinicius-VirtualBox:~$ sudo apt install docker-ce
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
docker-ce is already the newest version (5:23.0.6-1~ubuntu.22.04~jammy).
The following package was automatically installed and is no longer required:
  systemd-hwe-hwdb
Use 'sudo apt autoremove' to remove it.
0 upgraded, 0 newly installed, 0 to remove and 284 not upgraded.
vinicius@vinicius-VirtualBox:~$ sudo systemctl status docker
● docker.service - Docker Application Container Engine
   Loaded: loaded (/lib/systemd/system/docker.service; enabled; vendor prese
   Active: active (running) since Fri 2023-05-12 23:26:28 -03; 9min ago
   TriggeredBy: ● docker.socket
     Docs: https://docs.docker.com
    Main PID: 789 (dockerd)
      Tasks: 7
     Memory: 95.7M
        CPU: 255ms
    CGroup: /system.slice/docker.service
            └─789 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/cont>

mai 12 23:26:27 vinicius-VirtualBox dockerd[789]: time="2023-05-12T23:26:27.57>
mai 12 23:26:27 vinicius-VirtualBox dockerd[789]: time="2023-05-12T23:26:27.57>
mai 12 23:26:27 vinicius-VirtualBox dockerd[789]: time="2023-05-12T23:26:27.85>
mai 12 23:26:27 vinicius-VirtualBox dockerd[789]: time="2023-05-12T23:26:27.87>
```

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Activities Terminal mai 12 23:55
vinicius@vinicius-VirtualBox: ~
vinicius@vinicius-VirtualBox:~$ sudo 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/

vinicius@vinicius-VirtualBox:~$ docker search ubuntu
permission denied while trying to connect to the Docker daemon socket at unix:/
/var/run/docker.sock: Get "http://%2Fvar%2Frun%2Fdocker.sock/v1.24/images/sear
ch?term=ubuntu": dial unix /var/run/docker.sock: connect: permission denied
vinicius@vinicius-VirtualBox:~$ sudo docker search ubuntu
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Activities Terminal mai 12 23:56
vinicius@vinicius-VirtualBox: ~
2 ubuntu/telegraf Telegraf collects, processes, aggregates & w...
4
vinicius@vinicius-VirtualBox:~$ sudo docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
vinicius/ubuntu-nodejs latest 58d0a55a13a5 About an hour ago 201
MB
viniciusgjusta/ubuntu-nodejs latest 58d0a55a13a5 About an hour ago 201
MB
hello-world latest 9c7a54a9a43c 8 days ago 13.
3kB
ubuntu latest 3b418d7b466a 2 weeks ago 77.
8MB
vinicius@vinicius-VirtualBox:~$ sudo docker pull ubuntu
Using default tag: latest
latest: Pulling from library/ubuntu
Digest: sha256:dfd64a3b4296d8c9b62aa3309984f8620b98d87e47492599ee20739e8eb54fbf
Status: Image is up to date for ubuntu:latest
docker.io/library/ubuntu:latest
vinicius@vinicius-VirtualBox:~$ sudo docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
vinicius/ubuntu-nodejs latest 58d0a55a13a5 About an hour ago 201
MB
viniciusgjusta/ubuntu-nodejs latest 58d0a55a13a5 About an hour ago 201
MB
hello-world latest 9c7a54a9a43c 8 days ago 13.
3kB
```



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Activities Terminal mai 12 23:56
vinicius@vinicius-VirtualBox: ~
8MB
vinicius@vinicius-VirtualBox:~$ sudo docker run ubuntu
vinicius@vinicius-VirtualBox:~$ sudo docker run -it ubuntu
root@a238812bd844:/# apt update
Get:1 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
Get:2 http://security.ubuntu.com/ubuntu jammy-security/main amd64 Packages [459
kB]
Get:3 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 Package
s [291 kB]
Get:4 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 Package
s [36.3 kB]
Get:5 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages
[901 kB]
Get:6 http://archive.ubuntu.com/ubuntu jammy InRelease [270 kB]
Get:7 http://archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]
Get:8 http://archive.ubuntu.com/ubuntu jammy-backports InRelease [108 kB]
Get:9 http://archive.ubuntu.com/ubuntu jammy/universe amd64 Packages [17.5 MB]
Get:10 http://archive.ubuntu.com/ubuntu jammy/multiverse amd64 Packages [266 kB
]
Get:11 http://archive.ubuntu.com/ubuntu jammy/main amd64 Packages [1792 kB]
Get:12 http://archive.ubuntu.com/ubuntu jammy/restricted amd64 Packages [164 kB
]
Get:13 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [738
kB]
Get:14 http://archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [
1135 kB]
Get:15 http://archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 Packages
[42.2 kB]
Get:16 http://archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 Packages
[500 kB]
```

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vinicius@vinicius-VirtualBox: ~
Running hooks in /etc/ca-certificates/update.d...
done.
root@a238812bd844:/# node -v
v12.22.9
root@a238812bd844:/# exit
exit
vinicius@vinicius-VirtualBox:~$ sudo docker ps
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS   NAMES
vinicius@vinicius-VirtualBox:~$ sudo docker ps -a
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS   NAMES
a238812bd844   ubuntu    "/bin/bash"   About a minute ago   Exited (0) 32 s
econds ago    priceless_dubinsky
6370f3eb149f   ubuntu    "/bin/bash"   About a minute ago   Exited (0) Abou
t a minute ago    exciting_chatelet
2925072e72f8   hello-world  "/hello"     5 minutes ago       Exited (0) 5 mi
nutes ago        festive_euler
5c4f9cc54227   ubuntu    "/bin/bash"   2 hours ago         Exited (137) Ab
out an hour ago   charming_brown
vinicius@vinicius-VirtualBox:~$ sudo docker ps -l
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS   NAMES
a238812bd844   ubuntu    "/bin/bash"   About a minute ago   Exited (0) 53 secon
ds ago          priceless_dubinsky
vinicius@vinicius-VirtualBox:~$ sudo docker start 5c4f9cc54227
5c4f9cc54227
vinicius@vinicius-VirtualBox:~$ sudo docker stop 5c4f9cc54227
5c4f9cc54227
vinicius@vinicius-VirtualBox:~$ sudo docker restart 5c4f9cc54227
5c4f9cc54227
```

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Activities Terminal mai 12 23:57
vinicius@vinicius-VirtualBox: ~
PORTS NAMES
a238812bd844 ubuntu "/bin/bash" About a minute ago Exited (0) 53 seconds ago
priceless_dubinsky
vinicius@vinicius-VirtualBox:~$ sudo docker start 5c4f9cc54227
5c4f9cc54227
vinicius@vinicius-VirtualBox:~$ sudo docker stop 5c4f9cc54227
5c4f9cc54227
vinicius@vinicius-VirtualBox:~$ sudo docker festive_euler
docker: 'festive_euler' is not a docker command.
See 'docker --help'
vinicius@vinicius-VirtualBox:~$ sudo docker rm festive_euler
festive_euler
vinicius@vinicius-VirtualBox:~$ sudo docker ps -a
CONTAINER ID IMAGE COMMAND CREATED STATUS
PORTS NAMES
a238812bd844 ubuntu "/bin/bash" 3 minutes ago Exited (0) 2 minutes ago
priceless_dubinsky
6370f3eb149f ubuntu "/bin/bash" 4 minutes ago Exited (0) 4 minutes ago
exciting_chatelet
5c4f9cc54227 ubuntu "/bin/bash" 2 hours ago Exited (137) 27 seconds ago
charming_brown
vinicius@vinicius-VirtualBox:~$ docker commit -m "added Node.js" -a "viniciusgjusta" a238812bd844 viniciusgjusta/ubuntu-nodejs
permission denied while trying to connect to the Docker daemon socket at unix:///var/run/docker.sock: Post "http://%2Fvar%2Frun%2Fdocker.sock/v1.24/commit?author=viniciusgjusta&comment=added+Node.js&container=a238812bd844&repo=viniciusgjusta%2Fubuntu-nodejs&tag=latest": dial unix /var/run/docker.sock: connect: permission denied
vinicius@vinicius-VirtualBox:~$ sudo docker commit -m "added Node.js" -a "viniciusgjusta" a238812bd844 viniciusgjusta/ubuntu-nodejs
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Activities Terminal mai 12 23:57
vinicius@vinicius-VirtualBox: ~
mission denied
vinicius@vinicius-VirtualBox:~$ sudo docker commit -m "added Node.js" -a "viniciusgjusta" a238812bd844 viniciusgjusta/ubuntu-nodejs
sha256:7983a59436b2f742aa8ec01eb4915b319888a86839f85546906b50733bffa322b
vinicius@vinicius-VirtualBox:~$ sudo docker images
[REPOSITORY TAG IMAGE ID CREATED SI
ZE
viniciusgjusta/ubuntu-nodejs latest 7983a59436b2 15 seconds ago 201
MB
vinicius/ubuntu-nodejs latest 58d0a55a13a5 About an hour ago 201
MB
viniciusgjusta/ubuntu-nodejs <none> 58d0a55a13a5 About an hour ago 201
MB
hello-world latest 9c7a54a9a43c 8 days ago 13.
3kB
Terminal latest 3b418d7b466a 2 weeks ago 77.
8MB
vinicius@vinicius-VirtualBox:~$
vinicius@vinicius-VirtualBox:~$
vinicius@vinicius-VirtualBox:~$ sudo docker login -u viniciusgjusta
Password:
Error response from daemon: Get "https://registry-1.docker.io/v2/": unauthorized: incorrect username or password
vinicius@vinicius-VirtualBox:~$ sudo docker login -u viniciusgjusta
Password:
WARNING! Your password will be stored unencrypted in /root/.docker/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store
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Activities Terminal mai 12 23:58
vinicius@vinicius-VirtualBox: ~
vinicius/ubuntu-nodejs latest 58d0a55a13a5 About an hour ago 201
MB
viniciusgjusta/ubuntu-nodejs <none> 58d0a55a13a5 About an hour ago 201
MB
hello-world latest 9c7a54a9a43c 8 days ago 13.
3kB
ubuntu latest 3b418d7b466a 2 weeks ago 77.
8MB
vinicius@vinicius-VirtualBox:~$
vinicius@vinicius-VirtualBox:~$
vinicius@vinicius-VirtualBox:~$ sudo docker login -u viniciusgjusta
Password:
Error response from daemon: Get "https://registry-1.docker.io/v2/": unauthorized: incorrect username or password
vinicius@vinicius-VirtualBox:~$ sudo docker login -u viniciusgjusta
Password:
WARNING! Your password will be stored unencrypted in /root/.docker/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store
Login Succeeded
vinicius@vinicius-VirtualBox:~$ sudo docker push viniciusgjusta/ubuntu-nodejs
Using default tag: latest
The push refers to repository [docker.io/viniciusgjusta/ubuntu-nodejs]
ab64522c341d: Pushed
b8a36d10656a: Layer already exists
latest: digest: sha256:9595f543d1b4907a89206679029c5da05a0d6d812957199c4a8787f8
cbc29908 size: 741
vinicius@vinicius-VirtualBox:~$
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