

Passo 1

Atualizar o índice do pacote apt e instala os pacotes para permitir que o apt use um repositório HTTPS:

```
Ubuntu 64-bit - VMware Workstation 17 Player (Non-commercial use only)
Player | [ ] [ ] [ ] [ ] [ ]

root@vmdocker:/home/suporte# apt update
Hit:1 http://br.archive.ubuntu.com/ubuntu focal InRelease
Get:2 http://br.archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]
Get:3 http://br.archive.ubuntu.com/ubuntu focal-backports InRelease [108 kB]
Get:4 http://br.archive.ubuntu.com/ubuntu focal-security InRelease [114 kB]
Fetched 336 kB in 1s (263 kB/s)
Reading package lists... Done
Building dependency tree
Reading state information... Done
19 packages can be upgraded. Run 'apt list --upgradable' to see them.
root@vmdocker:/home/suporte#
```

```
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Player | [ ] [ ] [ ] [ ] [ ]

root@vmdocker:/home/suporte# apt install \
> apt-transport-https \
> ca-certificates \
> curl \
> gnupg-agent \
> software-properties-common
```

```
Ubuntu 64-bit - VMware Workstation 17 Player (Non-commercial use only)
Player | [ ] [ ] [ ] [ ] [ ]

root@vmdocker:/home/suporte# apt install \
> apt-transport-https \
> ca-certificates \
> curl \
> gnupg-agent \
> software-properties-common
Reading package lists... Done
Building dependency tree
Reading state information... Done
ca-certificates is already the newest version (20211016ubuntu0.20.04.1).
ca-certificates set to manually installed.
curl is already the newest version (7.68.0-1ubuntu2.18).
curl set to manually installed.
software-properties-common is already the newest version (0.99.9.11).
software-properties-common set to manually installed.
The following NEW packages will be installed:
  apt-transport-https gnupg-agent
0 upgraded, 2 newly installed, 0 to remove and 19 not upgraded.
Need to get 6,944 B of archives.
After this operation, 208 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
```

```
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> apt-get install \
> ca-certificates \
> curl \
> gnupg-agent \
> software-properties-common
Reading package lists... Done
Building dependency tree
Reading state information... Done
ca-certificates is already the newest version (20211016ubuntu0.20.04.1).
ca-certificates set to manually installed.
curl is already the newest version (7.68.0-1ubuntu2.18).
curl set to manually installed.
software-properties-common is already the newest version (0.99.9.11).
software-properties-common set to manually installed.
The following NEW packages will be installed:
  apt-get gnupg-agent
0 upgraded, 2 newly installed, 0 to remove and 19 not upgraded.
Need to get 6,944 B of archives.
After this operation, 208 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://br.archive.ubuntu.com/ubuntu focal-updates/universe amd64 apt-get 2.0.9
[1,704 B]
Get:2 http://br.archive.ubuntu.com/ubuntu focal-updates/universe amd64 gnupg-agent 2.2.19-3ubuntu2.2
[5,240 B]
Fetched 6,944 B in 1s (12.7 kB/s)
Selecting previously unselected package apt-get.
(Reading database ... 72301 files and directories currently installed.)
Preparing to unpack .../apt-get_2.0.9_all.deb ...
Unpacking apt-get (2.0.9) ...
Selecting previously unselected package gnupg-agent.
Preparing to unpack .../gnupg-agent_2.2.19-3ubuntu2.2_all.deb ...
Unpacking gnupg-agent (2.2.19-3ubuntu2.2) ...
Setting up apt-get (2.0.9) ...
Setting up gnupg-agent (2.2.19-3ubuntu2.2) ...
root@vmdocker:/home/suporte#
```

Passo 2:

Adicionar a chave GPG oficial do Docker:

```
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root@vmdocker:/home/suporte# curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo apt-key
add -
OK
root@vmdocker:/home/suporte#
```

Verificar chave

```
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Player ▾ | || ▾ | 🔄 📄 🖨

root@vmdocker:/home/suporte# curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo apt-key
add -
OK
root@vmdocker:/home/suporte# apt-key fingerprint 0EBFCD88
pub  rsa4096 2017-02-22 [SDEA]
    9DC8 5822 9FC7 DD38 854A  E2D8 8D81 803C 0EBF CD88
uid  [ unknown] Docker Release (CE deb) <docker@docker.com>
sub  rsa4096 2017-02-22 [S]

root@vmdocker:/home/suporte#
```

Passo 3

Configurando repositório estável:

```
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Player  ▾  ||  ▾  ↕  🖥  🖨

root@vmdocker:/home/suporte# add-apt-repository "deb [arch=amd64] https://download.docker.com/linux/
ubuntu focal stable"
Hit:1 https://download.docker.com/linux/ubuntu focal InRelease
Reading package lists... Done
root@vmdocker:/home/suporte# _
```

```
Ubuntu 64-bit - VMware Workstation 17 Player (Non-commercial use only)
Player  ▾  ||  ▾  ↕  🖥  🖨

root@vmdocker:/home/suporte# add-apt-repository "deb [arch=amd64] https://download.docker.
ubuntu focal stable"
Hit:1 https://download.docker.com/linux/ubuntu focal InRelease
Reading package lists... Done
root@vmdocker:/home/suporte# apt update
Hit:1 https://download.docker.com/linux/ubuntu focal InRelease
Reading package lists... Done
Building dependency tree
Reading state information... Done
All packages are up to date.
root@vmdocker:/home/suporte#
```

Adicionando o repositório Docker às fontes do APT:

```
root@Vm-docker:/home/suporte# sudo add-apt-repository "deb [arch=amd64] https://download.docker.com/linux/ubuntu focal stable"
Hit:1 http://azure.archive.ubuntu.com/ubuntu focal InRelease
Hit:2 http://azure.archive.ubuntu.com/ubuntu focal-updates InRelease
Hit:3 http://azure.archive.ubuntu.com/ubuntu focal-backports InRelease
Hit:4 http://azure.archive.ubuntu.com/ubuntu focal-security InRelease
Get:5 https://download.docker.com/linux/ubuntu focal InRelease [57.7 kB]
Get:6 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages [28.2 kB]
Fetched 85.8 kB in 1s (128 kB/s)
Reading package lists... Done
root@Vm-docker:/home/suporte#
```

```
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5:20.10.10~3-0~ubuntu-focal 500
500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
5:20.10.9~3-0~ubuntu-focal 500
500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
5:20.10.8~3-0~ubuntu-focal 500
500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
5:20.10.7~3-0~ubuntu-focal 500
500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
5:20.10.6~3-0~ubuntu-focal 500
500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
5:20.10.5~3-0~ubuntu-focal 500
500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
5:20.10.4~3-0~ubuntu-focal 500
500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
5:20.10.3~3-0~ubuntu-focal 500
500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
5:20.10.2~3-0~ubuntu-focal 500
500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
5:20.10.1~3-0~ubuntu-focal 500
500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
5:20.10.0~3-0~ubuntu-focal 500
500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
5:19.03.15~3-0~ubuntu-focal 500
500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
5:19.03.14~3-0~ubuntu-focal 500
500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
5:19.03.13~3-0~ubuntu-focal 500
500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
5:19.03.12~3-0~ubuntu-focal 500
500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
5:19.03.11~3-0~ubuntu-focal 500
500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
5:19.03.10~3-0~ubuntu-focal 500
500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
5:19.03.9~3-0~ubuntu-focal 500
500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages
root@vmdocker:/home/suporte# _
```

Instalando o Docker:

```
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Player

root@vmdocker:/home/suporte# apt install docker-ce
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  containerd.io docker-buildx-plugin docker-ce-cli docker-ce-rootless-extras docker-compose-plugin
Suggested packages:
  aufs-tools cgroupfs-mount | cgroup-lite
Recommended packages:
  pigz slirp4netns
The following NEW packages will be installed:
  containerd.io docker-buildx-plugin docker-ce docker-ce-cli docker-ce-rootless-extras
  docker-compose-plugin
0 upgraded, 6 newly installed, 0 to remove and 0 not upgraded.
Need to get 109 MB of archives.
After this operation, 395 MB of additional disk space will be used.
Do you want to continue? [Y/n] y_
```

```
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Fetched 109 MB in 6s (18.9 MB/s)
Selecting previously unselected package containerd.io.
(Reading database ... 72309 files and directories currently installed.)
Preparing to unpack .../0-containerd.io_1.6.21-1_amd64.deb ...
Unpacking containerd.io (1.6.21-1) ...
Selecting previously unselected package docker-buildx-plugin.
Preparing to unpack .../1-docker-buildx-plugin_0.10.4-1ubuntu.20.04~focal_amd64.deb ...
Unpacking docker-buildx-plugin (0.10.4-1ubuntu.20.04~focal) ...
Selecting previously unselected package docker-ce-cli.
Preparing to unpack .../2-docker-ce-cli_5:23.0.5-1ubuntu.20.04~focal_amd64.deb ...
Unpacking docker-ce-cli (5:23.0.5-1ubuntu.20.04~focal) ...
Selecting previously unselected package docker-ce.
Preparing to unpack .../3-docker-ce_5:23.0.5-1ubuntu.20.04~focal_amd64.deb ...
Unpacking docker-ce (5:23.0.5-1ubuntu.20.04~focal) ...
Selecting previously unselected package docker-ce-rootless-extras.
Preparing to unpack .../4-docker-ce-rootless-extras_5:23.0.5-1ubuntu.20.04~focal_amd64.deb ...
Unpacking docker-ce-rootless-extras (5:23.0.5-1ubuntu.20.04~focal) ...
Selecting previously unselected package docker-compose-plugin.
Preparing to unpack .../5-docker-compose-plugin_2.17.3-1ubuntu.20.04~focal_amd64.deb ...
Unpacking docker-compose-plugin (2.17.3-1ubuntu.20.04~focal) ...
Setting up docker-buildx-plugin (0.10.4-1ubuntu.20.04~focal) ...
Setting up containerd.io (1.6.21-1) ...
Created symlink /etc/systemd/system/multi-user.target.wants/containerd.service → /lib/systemd/system/containerd.service.
Setting up docker-compose-plugin (2.17.3-1ubuntu.20.04~focal) ...
Setting up docker-ce-cli (5:23.0.5-1ubuntu.20.04~focal) ...
Setting up docker-ce-rootless-extras (5:23.0.5-1ubuntu.20.04~focal) ...
Setting up docker-ce (5:23.0.5-1ubuntu.20.04~focal) ...
Created symlink /etc/systemd/system/multi-user.target.wants/docker.service → /lib/systemd/system/docker.service.
Created symlink /etc/systemd/system/sockets.target.wants/docker.socket → /lib/systemd/system/docker.socket.
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for systemd (245.4-4ubuntu3.20) ...
root@vmdocker:/home/suporte#
```

```
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Player

root@vmdocker:/home/suporte# systemctl status docker
● docker.service - Docker Application Container Engine
   Loaded: loaded (/lib/systemd/system/docker.service; enabled; vendor preset: enabled)
   Active: active (running) since Sat 2023-05-06 01:05:47 UTC; 1min 5s ago
   TriggeredBy: ● docker.socket
     Docs: https://docs.docker.com
    Main PID: 2541 (dockerd)
      Tasks: 9
     Memory: 24.5M
    CGroup: /system.slice/docker.service
            └─2541 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/containerd.sock

May 06 01:05:46 vmdocker systemd[1]: Starting Docker Application Container Engine...
May 06 01:05:46 vmdocker dockerd[2541]: time="2023-05-06T01:05:46.112226990Z" level=info msg="Start
May 06 01:05:46 vmdocker dockerd[2541]: time="2023-05-06T01:05:46.115033819Z" level=info msg="detec
May 06 01:05:46 vmdocker dockerd[2541]: time="2023-05-06T01:05:46.279593892Z" level=info msg="Loadi
May 06 01:05:46 vmdocker dockerd[2541]: time="2023-05-06T01:05:46.894839527Z" level=info msg="Loadi
May 06 01:05:46 vmdocker dockerd[2541]: time="2023-05-06T01:05:46.963930995Z" level=warning msg="WA
May 06 01:05:46 vmdocker dockerd[2541]: time="2023-05-06T01:05:46.964072009Z" level=info msg="Docker
May 06 01:05:46 vmdocker dockerd[2541]: time="2023-05-06T01:05:46.964322506Z" level=info msg="Daemo
May 06 01:05:47 vmdocker systemd[1]: Started Docker Application Container Engine.
May 06 01:05:47 vmdocker dockerd[2541]: time="2023-05-06T01:05:47.034686130Z" level=info msg="API l
lines 1-21/21 (END)_
```

```
root@vmdocker:/home/suporte# 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/>

```
root@vmdocker:/home/suporte# _
```