

isabela boscov [Executando] - Oracle VM VirtualBox

Arquivo Máquina Visualizar Entrada Dispositivos Ajuda

Computador

Lixeira (vazia)

Rede

vitor

Como Instalar e Utilizar o Docker no Ubuntu 20.04 | DigitalOcean — Mozilla Firefox

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Passo 2 — Executando o Comando Docker Sem Sudo (Opcional)

Passo 3 — Usando o Comando Docker

Passo 4 —

vitor@vitor-virtualbox:~

```
To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo_root" for details.  
  
vitor@vitor-virtualbox:~$ su apt update  
su: user apt does not exist or the user entry does not contain all the required fields  
  
vitor@vitor-virtualbox:~$ sudo apt install  
[sudo] senha para vitor:  
Lendo listas de pacotes... Pronto  
Construindo árvore de dependências... Pronto  
Lendo informação de estado... Pronto  
0 pacotes atualizados, 0 pacotes novos instalados, 0 a serem removidos e 139 não atualizados.  
  
vitor@vitor-virtualbox:~$ sudo apt install apt-transport-https ca-certificates  
curl software-properties-common  
Lendo listas de pacotes... Pronto  
Construindo árvore de dependências... Pronto  
Lendo informação de estado... Pronto  
ca-certificates já é a versão mais recente (20211016ubuntu0.22.04.1).  
ca-certificates configurado para instalar manualmente.  
Os pacotes adicionais seguintes serão instalados:  
libcurl4 python3-software-properties software-properties-qt  
Os NOVOS pacotes a seguir serão instalados:  
apt-transport-https curl  
Os pacotes a seguir serão atualizados:  
libcurl4 python3-software-properties software-properties-common  
  
Adicione o repositório do Docker às fontes do APT.
```

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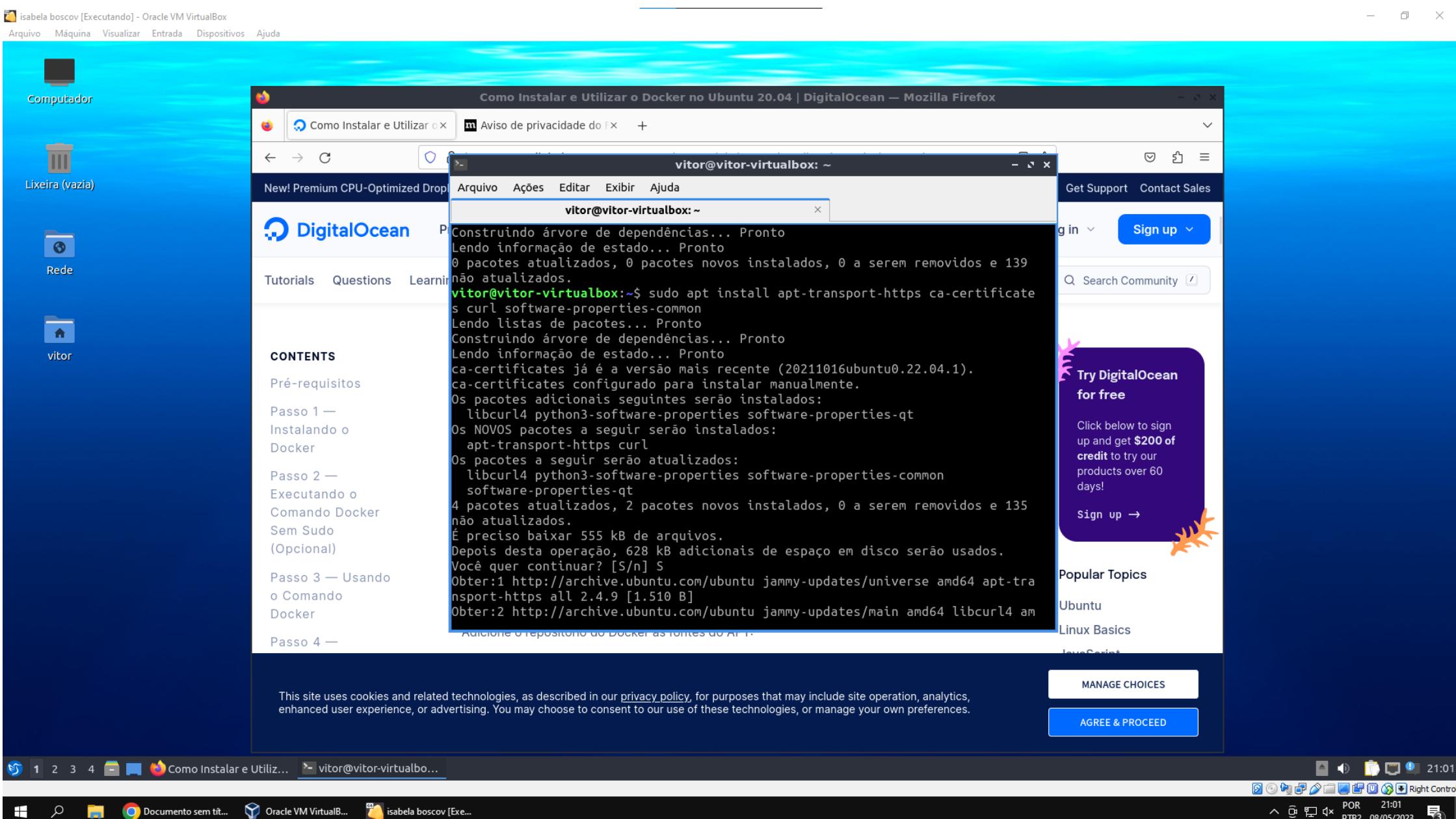
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vitor@vitor-virtualbox: ~

```
A descompactar libcurl4:amd64 (7.81.0-1ubuntu1.10) sobre (7.81.0-1ubuntu1.7)
...
A seleccionar pacote anteriormente não seleccionado curl.
A preparar para desempacotar .../2-curl_7.81.0-1ubuntu1.10_amd64.deb ...
A descompactar curl (7.81.0-1ubuntu1.10) ...
A preparar para desempacotar .../3-software-properties-common_0.99.22.6_all.deb ...
A descompactar software-properties-common (0.99.22.6) sobre (0.99.22.5) ...
A preparar para desempacotar .../4-software-properties-qt_0.99.22.6_all.deb .
...
A descompactar software-properties-qt (0.99.22.6) sobre (0.99.22.5) ...
A preparar para desempacotar .../5-python3-software-properties_0.99.22.6_all.deb ...
A descompactar python3-software-properties (0.99.22.6) sobre (0.99.22.5) ...
Configurando apt-transport-https (2.4.9) ...
Configurando python3-software-properties (0.99.22.6) ...
Configurando libcurl4:amd64 (7.81.0-1ubuntu1.10) ...
Configurando curl (7.81.0-1ubuntu1.10) ...
Configurando software-properties-common (0.99.22.6) ...
Configurando software-properties-qt (0.99.22.6) ...
A processar 'triggers' para libc-bin (2.35-0ubuntu3.1) ...
A processar 'triggers' para man-db (2.10.2-1) ...
A processar 'triggers' para dbus (1.12.20-2ubuntu4.1) ...
A processar 'triggers' para mailcap (3.70+nmu1ubuntu1) ...
A processar 'triggers' para desktop-file-utils (0.26-1ubuntu3) ...
vitor@vitor-virtualbox:~$
```

Adicione o repositório do Docker às fontes do sistema.

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vitor@vitor-virtualbox: ~

```
A preparar para desempacotar .../3-software-properties-common_0.99.22.6_all.deb ...
A descompactar software-properties-common (0.99.22.6) sobre (0.99.22.5) ...
A preparar para desempacotar .../4-software-properties-qt_0.99.22.6_all.deb .
...
A descompactar software-properties-qt (0.99.22.6) sobre (0.99.22.5) ...
A preparar para desempacotar .../5-python3-software-properties_0.99.22.6_all.deb ...
A descompactar python3-software-properties (0.99.22.6) sobre (0.99.22.5) ...
Configurando apt-transport-https (2.4.9) ...
Configurando python3-software-properties (0.99.22.6) ...
Configurando libcurl4:amd64 (7.81.0-1ubuntu1.10) ...
Configurando curl (7.81.0-1ubuntu1.10) ...
Configurando software-properties-common (0.99.22.6) ...
Configurando software-properties-qt (0.99.22.6) ...
A processar 'triggers' para libc-bin (2.35-0ubuntu3.1) ...
A processar 'triggers' para man-db (2.10.2-1) ...
A processar 'triggers' para dbus (1.12.20-2ubuntu4.1) ...
A processar 'triggers' para mailcap (3.70+nmu1ubuntu1) ...
A processar 'triggers' para desktop-file-utils (0.26-1ubuntu3) ...
vitor@vitor-virtualbox:~$ curl -fsSL https://download.docker.com/linux/ubuntu
/gpg | sudo apt-key add -
Warning: apt-key is deprecated. Manage keyring files in trusted.gpg.d instead
(see apt-key(8)).
OK
vitor@vitor-virtualbox:~$
```

Adicione o repositório do Docker às fontes do APT.

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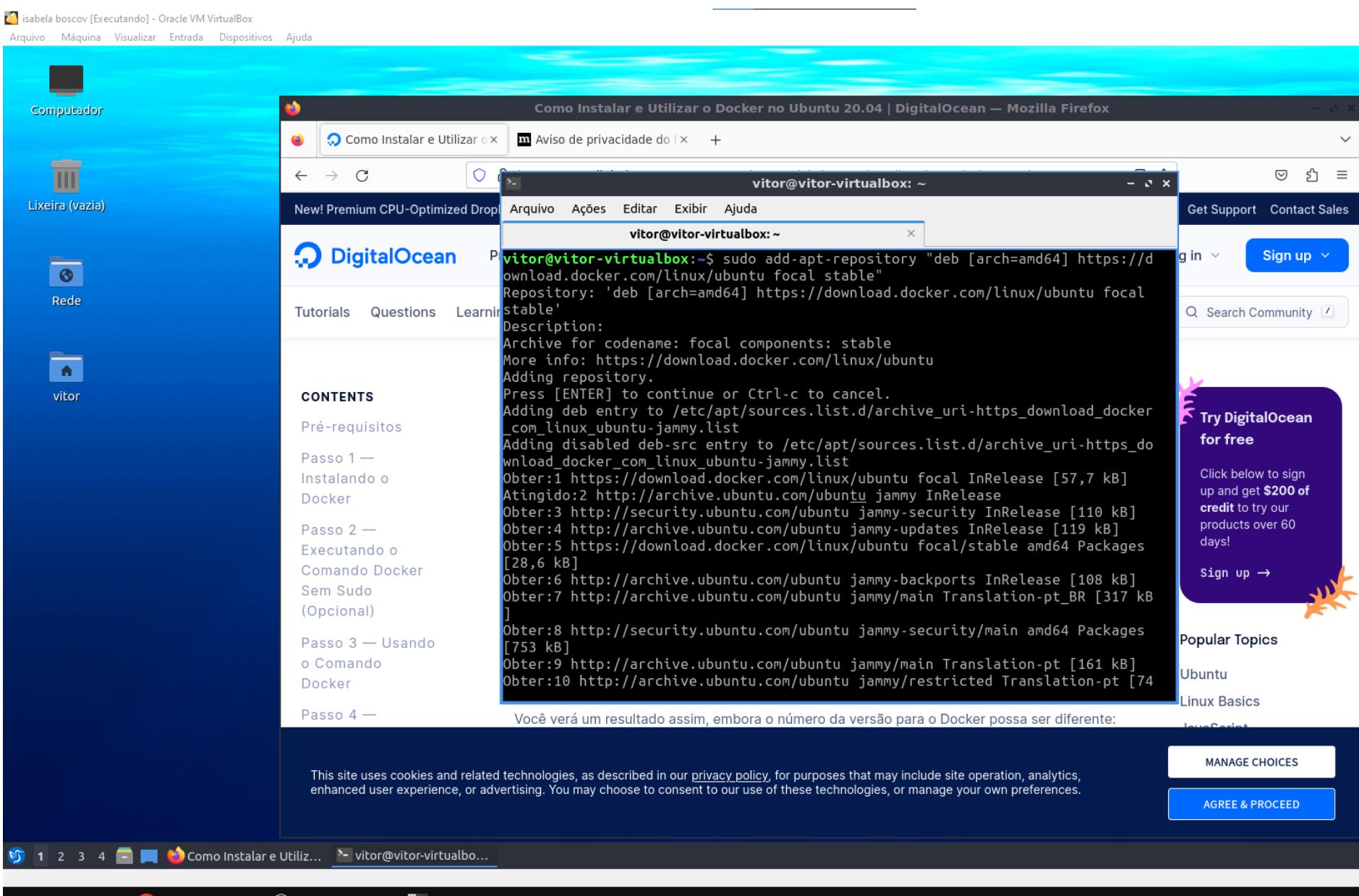
Ubuntu

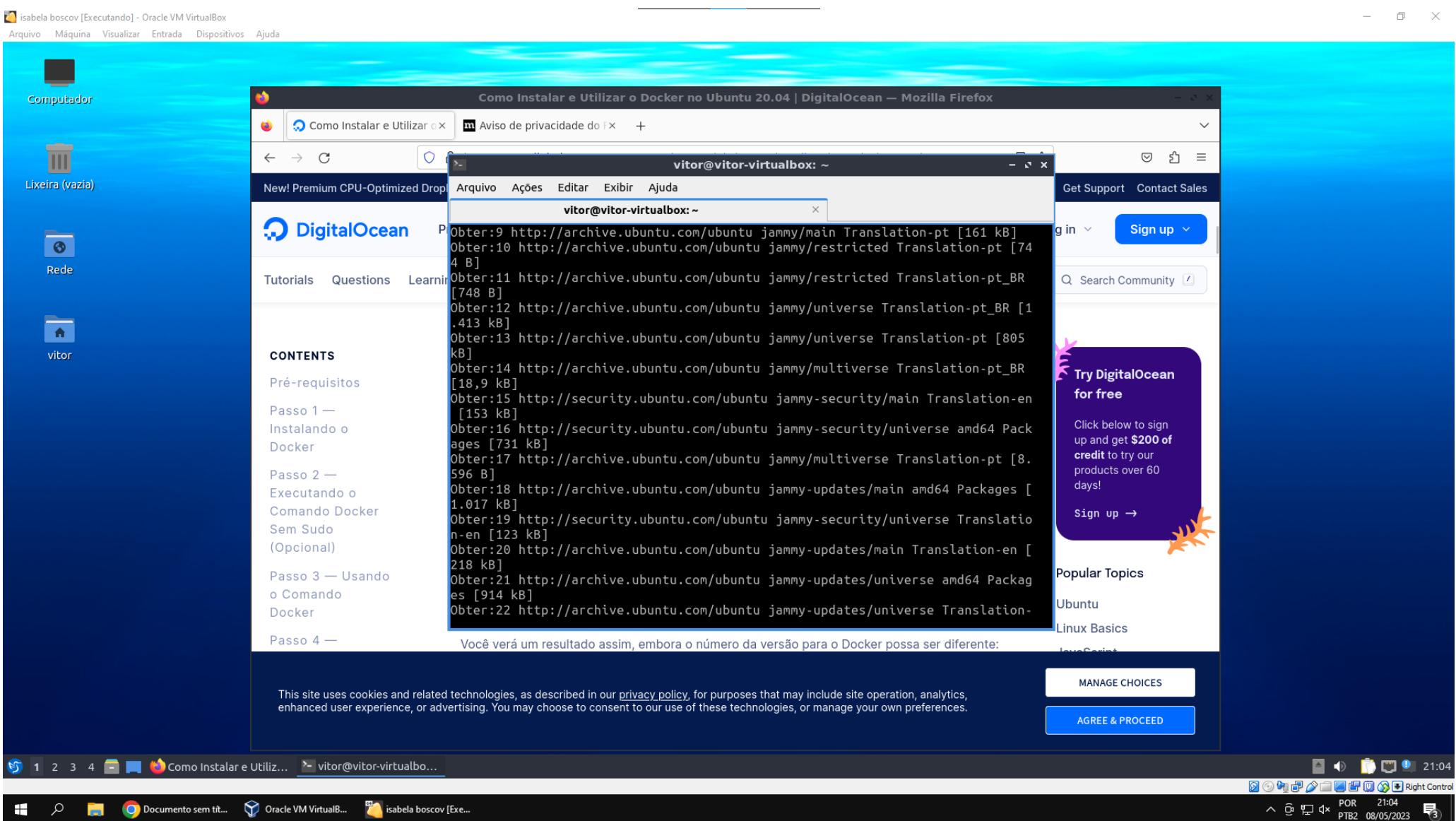
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Passo 4 —

Obter:20 http://archive.ubuntu.com/ubuntu jammy-updates/main Translation-en [218 kB]

Obter:21 http://archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [914 kB]

Obter:22 http://archive.ubuntu.com/ubuntu jammy-updates/universe Translation-en [185 kB]

Baixados 7.241 kB em 5s (1.406 kB/s)

Lendo listas de pacotes... Pronto

W: https://download.docker.com/linux/ubuntu/dists/focal/InRelease: Key is stored in legacy trusted.gpg keyring (/etc/apt/trusted.gpg), see the DEPRECATION section in apt-key(8) for details.

vitor@vitor-virtualbox:~\$ sudo apt update

Atingido:1 http://security.ubuntu.com/ubuntu jammy-security InRelease

Atingido:2 https://download.docker.com/linux/ubuntu focal InRelease

Atingido:3 http://archive.ubuntu.com/ubuntu jammy InRelease

Atingido:4 http://archive.ubuntu.com/ubuntu jammy-updates InRelease

Obter:5 http://archive.ubuntu.com/ubuntu jammy-backports InRelease [108 kB]

Baixados 108 kB em 2s (50,7 kB/s)

Lendo listas de pacotes... Pronto

Construindo árvore de dependências... Pronto

Lendo informação de estado... Pronto

135 pacotes podem ser atualizados. Corra 'apt list --upgradable' para vê-los.

W: https://download.docker.com/linux/ubuntu/dists/focal/InRelease: Key is stored in legacy trusted.gpg keyring (/etc/apt/trusted.gpg), see the DEPRECATION section in apt-key(8) for details.

vitor@vitor-virtualbox:~\$

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vitor@vitor-virtualbox: ~

Arquivo Ações Editar Exibir Ajuda

vitor@vitor-virtualbox: ~

```
Baixados 108 kB em 2s (50,7 kB/s)
Lendo listas de pacotes... Pronto
Construindo árvore de dependências... Pronto
Lendo informação de estado... Pronto
135 pacotes podem ser atualizados. Corra 'apt list --upgradable' para vê-los.
W: https://download.docker.com/linux/ubuntu/dists/focal/InRelease: Key is stored in legacy trusted.gpg keyring (/etc/apt/trusted.gpg), see the DEPRECATION section in apt-key(8) for details.
vitor@vitor-virtualbox:~$ apt-cache policy docker-ce
docker-ce:
  Instalado: (nenhum)
  Candidato: 5:23.0.6-1~ubuntu.20.04-focal
  Tabela de versão:
    5:23.0.6-1~ubuntu.20.04-focal 500
      https://download.docker.com/linux/ubuntu focal/stable amd64 Packa
ges
    5:23.0.5-1~ubuntu.20.04-focal 500
      https://download.docker.com/linux/ubuntu focal/stable amd64 Packa
ges
    5:23.0.4-1~ubuntu.20.04-focal 500
      https://download.docker.com/linux/ubuntu focal/stable amd64 Packa
ges
    5:23.0.3-1~ubuntu.20.04-focal 500
      https://download.docker.com/linux/ubuntu focal/stable amd64 Packa
ges
    5:23.0.2-1~ubuntu.20.04-focal 500
      https://download.docker.com/linux/ubuntu focal/stable amd64 Packa
ges
    5:23.0.1-1~ubuntu.20.04-focal 500
      https://download.docker.com/linux/ubuntu focal/stable amd64 Packa
ges
    5:23.0.0-1~ubuntu.20.04-focal 500
      https://download.docker.com/linux/ubuntu focal/stable amd64 Packa
ges
    5:20.10.24~3-0~ubuntu-focal 500
      https://download.docker.com/linux/ubuntu focal/stable amd64 Packa
ges
    5:20.10.23~3-0~ubuntu-focal 500
      https://download.docker.com/linux/ubuntu focal/stable amd64 Packa
ges
    5:20.10.22~3-0~ubuntu-focal 500
      https://download.docker.com/linux/ubuntu focal/stable amd64 Packa
```

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Arquivo Máquina Visualizar Entrada Dispositivos Ajuda

vitor@vitor-virtualbox: ~

Arquivo Ações Editar Exibir Ajuda

vitor@vitor-virtualbox: ~

```
5:19.03.9~3-0~ubuntu-focal 500
  500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packa
ges
vitor@vitor-virtualbox:~$ sudo apt install docker-ce
Lendo listas de pacotes... Pronto
Construindo árvore de dependências... Pronto
Lendo informação de estado... Pronto
Os pacotes adicionais seguintes serão instalados:
  containerd.io docker-buildx-plugin docker-ce-cli docker-ce-rootless-extras docker-compose-plugin libslirp0 pigz slirp4netns
Pacotes sugeridos:
  aufs-tools cgroupfs-mount | cgroup-lite
Os NOVOS pacotes a seguir serão instalados:
  containerd.io docker-buildx-plugin docker-ce docker-ce-rootless-extras docker-compose-plugin libslirp0 pigz slirp4netns
0 pacotes atualizados, 9 pacotes novos instalados, 0 a serem removidos e 135 não atualizados.
É preciso baixar 109 MB de arquivos.
Depois desta operação, 395 MB adicionais de espaço em disco serão usados.
Você quer continuar? [S/n] S
Obter:1 http://archive.ubuntu.com/ubuntu jammy/universe amd64 pigz amd64 2.6-1 [63,6 kB]
Obter:2 http://archive.ubuntu.com/ubuntu jammy/main amd64 libslirp0 amd64 4.6.1-1build1 [61,5 kB]
Obter:3 http://archive.ubuntu.com/ubuntu jammy/universe amd64 slirp4netns amd64 1.0.1-2 [28,2 kB]
Obter:4 https://download.docker.com/linux/ubuntu focal/stable amd64 containerd.io amd64 1.6.21-1 [28,3 MB]
Obter:5 https://download.docker.com/linux/ubuntu focal/stable amd64 docker-buildx-plugin amd64 0.10.4-1~ubuntu.20.04~focal [25,9 MB]
Obter:6 https://download.docker.com/linux/ubuntu focal/stable amd64 docker-ce-cli amd64 5:23.0.6-1~ubuntu.20.04~focal [13,2 MB]
Obter:7 https://download.docker.com/linux/ubuntu focal/stable amd64 docker-ce amd64 5:23.0.6-1~ubuntu.20.04~focal [22,0 MB]
Obter:8 https://download.docker.com/linux/ubuntu focal/stable amd64 docker-ce-rootless-extras amd64 5:23.0.6-1~ubuntu.20.04~focal [8.780 kB]
Obter:9 https://download.docker.com/linux/ubuntu focal/stable amd64 docker-compose-plugin amd64 2.17.3-1~ubuntu.20.04~focal [10,9 MB]
Baixados 109 MB em 14s (7.646 kB/s)
A seleccionar pacote anteriormente não seleccionado pigz.
(Lendo banco de dados ... 255959 ficheiros e directórios actualmente instalados.)
A preparar para desempacotar .../0-pigz_2.6-1_amd64.deb ...
A descompactar pigz (2.6-1) ...
A seleccionar pacote anteriormente não seleccionado containerd.io.
A preparar para desempacotar .../1-containerd.io_1.6.21-1_amd64.deb ...
A descompactar containerd.io (1.6.21-1) ...
A seleccionar pacote anteriormente não seleccionado docker-buildx-plugin.
A preparar para desempacotar .../2-docker-buildx-plugin_0.10.4-1~ubuntu.20.04~focal_amd64.deb ...
A descompactar docker-buildx-plugin (0.10.4-1~ubuntu.20.04~focal) ...
A seleccionar pacote anteriormente não seleccionado docker-ce-cli.
A preparar para desempacotar .../3-docker-ce-cli_5%3a23.0.6-1~ubuntu.20.04~focal_amd64.deb ...
A descompactar docker-ce-cli (5:23.0.6-1~ubuntu.20.04~focal) ...
A seleccionar pacote anteriormente não seleccionado docker-ce.
A preparar para desempacotar .../4-docker-ce_5%3a23.0.6-1~ubuntu.20.04~focal_amd64.deb ...
```

1 2 3 4 Documento sem tít... Oracle VM VirtualB... isabela boscov [Exe... 21:12

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Arquivo Máquina Visualizar Entrada Dispositivos Ajuda

vitor@vitor-virtualbox: ~

Arquivo Ações Editar Exibir Ajuda

vitor@vitor-virtualbox: ~

```
A preparar para desempacotar .../7-libslirp0_4.6.1-1build1_amd64.deb ...
A descompactar libslirp0:amd64 (4.6.1-1build1) ...
A seleccionar pacote anteriormente não seleccionado slirp4netns.
A preparar para desempacotar .../8-slirp4netns_1.0.1-2_amd64.deb ...
A descompactar slirp4netns (1.0.1-2) ...
Configurando docker-buildx-plugin (0.10.4-1~ubuntu.20.04~focal) ...
Configurando containerd.io (1.6.21-1) ...
Created symlink /etc/systemd/system/multi-user.target.wants/containerd.service → /lib/systemd/system/containerd.service.
Configurando docker-compose-plugin (2.17.3-1~ubuntu.20.04~focal) ...
Configurando docker-ce-cli (5:23.0.6-1~ubuntu.20.04~focal) ...
Configurando libslirp0:amd64 (4.6.1-1build1) ...
Configurando pigz (2.6-1) ...
Configurando docker-ce-rootless-extras (5:23.0.6-1~ubuntu.20.04~focal) ...
Configurando slirp4netns (1.0.1-2) ...
Configurando docker-ce (5:23.0.6-1~ubuntu.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.
A processar 'triggers' para man-db (2.10.2-1) ...
A processar 'triggers' para libc-bin (2.35-0Ubuntu3.1) ...
vitor@vitor-virtualbox:~$ sudo systemctl status docker
● docker.service - Docker Application Container Engine
  Loaded: loaded (/lib/systemd/system/docker.service; enabled; vendor preset: enabled)
  Active: active (running) since Mon 2023-05-08 21:12:26 -03; 58s ago
TriggeredBy: ● docker.socket
    Docs: https://docs.docker.com
 Main PID: 4480 (dockerd)
   Tasks: 7
  Memory: 26.9M
    CPU: 559ms
   CGroup: /system.slice/docker.service
           └─4480 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/containerd.sock

mai 08 21:12:25 vitor-virtualbox systemd[1]: Starting Docker Application Container Engine...
mai 08 21:12:25 vitor-virtualbox dockerd[4480]: time="2023-05-08T21:12:25.515599685-03:00" level=info msg="Starting up"
mai 08 21:12:25 vitor-virtualbox dockerd[4480]: time="2023-05-08T21:12:25.517371597-03:00" level=info msg="detected 127.0.0.53 nameserver, assuming systemd-resolved, so using resolv.conf: >
mai 08 21:12:25 vitor-virtualbox dockerd[4480]: time="2023-05-08T21:12:25.755947270-03:00" level=info msg="Loading containers: start."
mai 08 21:12:26 vitor-virtualbox dockerd[4480]: time="2023-05-08T21:12:26.452767821-03:00" level=info msg="Loading containers: done."
mai 08 21:12:26 vitor-virtualbox dockerd[4480]: time="2023-05-08T21:12:26.557247342-03:00" level=info msg="Docker daemon" commit=9dbdbd4 graphdriver=overlay2 version=23.0.6
mai 08 21:12:26 vitor-virtualbox dockerd[4480]: time="2023-05-08T21:12:26.558082575-03:00" level=info msg="Daemon has completed initialization"
mai 08 21:12:26 vitor-virtualbox systemd[1]: Started Docker Application Container Engine.
mai 08 21:12:26 vitor-virtualbox dockerd[4480]: time="2023-05-08T21:12:26.654218708-03:00" level=info msg="API listen on /run/docker.sock"
lines 1-21/21 (END)
```

1 2 3 4 Documento sem tít... vitor@vitor-virtualbo... 21:13

Oracle VM VirtualB... isabela boscov [Exe... 21:13 POR PTB2 08/05/2023 Right Control

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Arquivo Máquina Visualizar Entrada Dispositivos Ajuda

vitor@vitor-virtualbox: ~

Arquivo Ações Editar Exibir Ajuda

vitor@vitor-virtualbox: ~

```
vitor@vitor-virtualbox:~$ sudo docker run hello-world
[sudo] senha para vitor:
Unable to find image 'hello-world:latest' locally
latest: Pulling from library/hello-world
719385e32844: Pull complete
Digest: sha256:9eabfcf6034695c4f6208296be9090b0a3487e20fb6a5cb056525242621cf73d
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/
```

vitor@vitor-virtualbox:~\$

1 2 3 4 > vitor@vitor-virtualbo... Como Instalar e Utiliz... 21:31

Documentos sem tit... Oracle VM VirtualB... isabela boscov [Exe... 21:31 POR PTB2 08/05/2023 Right Control

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Arquivo Máquina Visualizar Entrada Dispositivos Ajuda

vitor@vitor-virtualbox: ~

Arquivo Ações Editar Exibir Ajuda

vitor@vitor-virtualbox: ~

```
mm78/lubuntu 0
kiralsn/lubuntu 0
iportilla/lubuntu.ibm.helloworld_amd64 0
hugojoefson/lubuntu 0
iportilla/lubuntu.ibm.helloworld_arm 0
hheikkinen/lubuntu 0
iportilla/lubuntu.ibm.helloworld_arm64 0
vitor@vitor-virtualbox:~$ sudo docker search ubuntu
NAME          DESCRIPTION               STARS   OFFICIAL  AUTOMATED
ubuntu        Ubuntu is a Debian-based Linux operating sys... 15925  [OK]
websphere-liberty WebSphere Liberty multi-architecture images ... 293   [OK]
open-liberty   Open Liberty multi-architecture images based... 59    [OK]
neurodebian   NeuroDebian provides neuroscience research s... 99    [OK]
ubuntu-debootstrap DEPRECATED; use "ubuntu" instead 51    [OK]
ubuntu-upstart DEPRECATED, as is Upstart (find other proces... 114   [OK]
ubuntu/nginx   Nginx, a high-performance reverse proxy & we... 89
ubuntu/cortex   Cortex provides storage for Prometheus. Long... 3
ubuntu/squid    Squid is a caching proxy for the Web. Long-t... 56
ubuntu/apache2  Apache, a secure & extensible open-source HT... 58
ubuntu/mysql   MySQL open source fast, stable, multi-thread...
ubuntu/kafka    Apache Kafka, a distributed event streaming ...
ubuntu/bind9   BIND 9 is a very flexible, full-featured DNS...
ubuntu/redis   Redis, an open source key-value store. Long-...
ubuntu/prometheus Prometheus is a systems and service monitori...
ubuntu/postgres PostgreSQL is an open source object-relation...
ubuntu/zookeeper ZooKeeper maintains configuration informatio...
ubuntu/grafana  Grafana, a feature rich metrics dashboard & ...
ubuntu/memcached Memcached, in-memory keyvalue store for small...
ubuntu/prometheus-alertmanager Alertmanager handles client alerts from Prom...
ubuntu/dotnet-deps Chiselled Ubuntu for self-contained .NET & A...
ubuntu/dotnet-runtime Chiselled Ubuntu runtime image for .NET apps...
ubuntu/dotnet-aspNet Chiselled Ubuntu runtime image for ASP.NET a...
ubuntu/cassandra Cassandra, an open source NoSQL distributed ...
ubuntu/telegraf Telegraf collects, processes, aggregates & w...
vitor@vitor-virtualbox:~$ sudo docker pull ubuntu
Using default tag: latest
latest: Pulling from library/ubuntu
dbf6a9befcde: Pull complete
Digest: sha256:dfd64a3b4296d8c9b62aa3309984f8620b98d87e47492599ee20739e8eb54fbf
Status: Downloaded newer image for ubuntu:latest
docker.io/library/ubuntu:latest
vitor@vitor-virtualbox:~$
```

1 2 3 4 🌐 vitor@vitor-virtualbo... 🔍 Como Instalar e Utiliz... 21:34

Documentos sem tít... Oracle VM VirtualB... isabela boscov [Exe... 21:34 POR PTB2 08/05/2023 Right Control

isabela boscov [Executando] - Oracle VM VirtualBox

Arquivo Máquina Visualizar Entrada Dispositivos Ajuda

vitor@vitor-virtualbox: ~

Arquivo Ações Editar Exibir Ajuda

vitor@vitor-virtualbox: ~

```
iportilla/lubuntu.ibm.helloworld_arm          0
hheikkinen/lubuntu                          0
iportilla/lubuntu.ibm.helloworld_arm64        0
vitor@vitor-virtualbox:~$ sudo docker search ubuntu
NAME                           DESCRIPTION          STARS   OFFICIAL   AUTOMATED
ubuntu                         Ubuntu is a Debian-based Linux operating sys... 15925   [OK]
websphere-liberty               WebSphere Liberty multi-architecture images ... 293     [OK]
open-liberty                     Open Liberty multi-architecture images based... 59      [OK]
neurodebian                     NeuroDebian provides neuroscience research s... 99      [OK]
ubuntu-debootstrap              DEPRECATED; use "ubuntu" instead           51      [OK]
ubuntu-upstart                  DEPRECATED, as is Upstart (find other proces... 114     [OK]
ubuntu/nginx                    Nginx, a high-performance reverse proxy & we... 89
ubuntu/cortex                   Cortex provides storage for Prometheus. Long... 3
ubuntu/squid                    Squid is a caching proxy for the Web. Long-t... 56
ubuntu/apache2                 Apache, a secure & extensible open-source HT... 58
ubuntu/mysql                    MySQL open source fast, stable, multi-thread... 46
ubuntu/kafka                    Apache Kafka, a distributed event streaming ... 31
ubuntu/bind9                    BIND 9 is a very flexible, full-featured DNS...
ubuntu/redis                    Redis, an open source key-value store. Long-... 18
ubuntu/prometheus               Prometheus is a systems and service monitori... 40
ubuntu/postgres                 PostgreSQL is an open source object-relation...
ubuntu/zookeeper                ZooKeeper maintains configuration informatio...
ubuntu/grafana                  Grafana, a feature rich metrics dashboard & ...
ubuntu/memcached                Memcached, in-memory keyvalue store for smal...
ubuntu/prometheus-alertmanager Alertmanager handles client alerts from Prom...
ubuntu/dotnet-deps              Chiselled Ubuntu for self-contained .NET & A...
ubuntu/dotnet-runtime            Chiselled Ubuntu runtime image for .NET apps...
ubuntu/dotnet-aspNet            Chiselled Ubuntu runtime image for ASP.NET a...
ubuntu/cassandra                Cassandra, an open source NoSQL distributed ...
ubuntu/telegraf                 Telegraf collects, processes, aggregates & w...
vitor@vitor-virtualbox:~$ sudo docker pull ubuntu
Using default tag: latest
latest: Pulling from library/ubuntu
dbf6a9befcde: Pull complete
Digest: sha256:dfd64a3b4296d8c9b62aa3309984f8620b98d87e47492599ee20739e8eb54fbf
Status: Downloaded newer image for ubuntu:latest
docker.io/library/ubuntu:latest
vitor@vitor-virtualbox:~$ sudo docker images
REPOSITORY    TAG      IMAGE ID      CREATED      SIZE
hello-world   latest   9c7a54a9a43c  4 days ago   13.3kB
ubuntu        latest   3b418d7b466a  13 days ago  77.8MB
vitor@vitor-virtualbox:~$
```

1 2 3 4 └ vitor@vitor-virtualbo... └ Como Instalar e Utiliz... Right Control

isabela boscov [Executando] - Oracle VM VirtualBox

Arquivo Máquina Visualizar Entrada Dispositivos Ajuda

Arquivo Ações Editar Exibir Ajuda

root@c9e05860fead: /

```
hheikkinen/lubuntu          0
iportilla/lubuntu.ibm.helloworld_arm64  0
vitor@vitor-virtualbox:~$ sudo docker search ubuntu
NAME                  DESCRIPTION          STARS   OFFICIAL  AUTOMATED
ubuntu                Ubuntu is a Debian-based Linux operating sys... 15925  [OK]
websphere-liberty      WebSphere Liberty multi-architecture images ... 293    [OK]
open-liberty           Open Liberty multi-architecture images based... 59     [OK]
neurodebian            NeuroDebian provides neuroscience research s... 99     [OK]
ubuntu-debootstrap     DEPRECATED; use "ubuntu" instead          51     [OK]
ubuntu-upstart         DEPRECATED, as is Upstart (find other proces... 114    [OK]
ubuntu/nginx           Nginx, a high-performance reverse proxy & we... 89
ubuntu/cortex          Cortex provides storage for Prometheus. Long... 3
ubuntu/squid           Squid is a caching proxy for the Web. Long-t... 56
ubuntu/apache2          Apache, a secure & extensible open-source HT... 58
ubuntu/mysql            MySQL open source fast, stable, multi-thread... 46
ubuntu/kafka            Apache Kafka, a distributed event streaming ... 31
ubuntu/bind9            BIND 9 is a very flexible, full-featured DNS... 51
ubuntu/redis             Redis, an open source key-value store. Long-... 18
ubuntu/prometheus       Prometheus is a systems and service monitori... 40
ubuntu/postgres          PostgreSQL is an open source object-relation... 27
ubuntu/zookeeper        ZooKeeper maintains configuration informatio... 5
ubuntu/grafana           Grafana, a feature rich metrics dashboard & ... 9
ubuntu/memcached         Memcached, in-memory keyvalue store for smal... 5
ubuntu/prometheus-alertmanager Alertmanager handles client alerts from Prom... 8
ubuntu/dotnet-deps       Chiselled Ubuntu for self-contained .NET & A... 8
ubuntu/dotnet-runtime     Chiselled Ubuntu runtime image for .NET apps... 5
ubuntu/dotnet-aspNet     Chiselled Ubuntu runtime image for ASP.NET a... 6
ubuntu/cassandra         Cassandra, an open source NoSQL distributed ... 2
ubuntu/telegraf           Telegraf collects, processes, aggregates & w... 4
vitor@vitor-virtualbox:~$ sudo docker pull ubuntu
Using default tag: latest
latest: Pulling from library/ubuntu
dbf6a9befcde: Pull complete
Digest: sha256:dfd64a3b4296d8c9b62aa3309984f8620b98d87e47492599ee20739e8eb54fbf
Status: Downloaded newer image for ubuntu:latest
docker.io/library/ubuntu:latest
vitor@vitor-virtualbox:~$ sudo docker images
REPOSITORY      TAG      IMAGE ID      CREATED      SIZE
hello-world     latest   9c7a54a9a43c  4 days ago   13.3kB
ubuntu          latest   3b418d7b466a  13 days ago  77.8MB
vitor@vitor-virtualbox:~$ sudo docker run -it ubuntu
root@c9e05860fead:/#
```

1 2 3 4 root@c9e05860fead:/_ Como Instalar e Utiliz... 21:35

Documentos sem tít... Oracle VM VirtualB... isabela boscov [Exe... 21:35 POR PTB2 08/05/2023 Right Control

isabela boscov [Executando] - Oracle VM VirtualBox

Arquivo Máquina Visualizar Entrada Dispositivos Ajuda

root@c9e05860fead: /

Arquivo Ações Editar Exibir Ajuda

root@c9e05860fead: /

```
ubuntu/dotnet-deps Chiselled Ubuntu for self-contained .NET & A... 8
ubuntu/dotnet-runtime Chiselled Ubuntu runtime image for .NET apps... 5
ubuntu/dotnet-aspnet Chiselled Ubuntu runtime image for ASP.NET a... 6
ubuntu/cassandra Cassandra, an open source NoSQL distributed ... 2
ubuntu/telegraf Telegraf collects, processes, aggregates & w... 4
vitor@vitor-virtualbox:~$ sudo docker pull ubuntu
Using default tag: latest
latest: Pulling from library/ubuntu
dbf6a9befcde: Pull complete
Digest: sha256:dfd64a3b4296d8c9b62aa3309984f8620b98d87e47492599ee20739e8eb54fbf
Status: Downloaded newer image for ubuntu:latest
docker.io/library/ubuntu:latest
vitor@vitor-virtualbox:~$ sudo docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
hello-world latest 9c7a54a9a43c 4 days ago 13.3kB
ubuntu latest 3b418d7b466a 13 days ago 77.8MB
vitor@vitor-virtualbox:~$ sudo docker run -it ubuntu
root@c9e05860fead:/# apt update
Get:1 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
Get:2 http://archive.ubuntu.com/ubuntu jammy InRelease [270 kB]
Get:3 http://security.ubuntu.com/ubuntu jammy-security/main amd64 Packages [945 kB]
Get:4 http://archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]
Get:5 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 Packages [41.2 kB]
Get:6 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 Packages [1083 kB]
Get:7 http://archive.ubuntu.com/ubuntu jammy-backports InRelease [108 kB]
Get:8 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [927 kB]
Get:9 http://archive.ubuntu.com/ubuntu jammy/main amd64 Packages [1792 kB]
Get:10 http://archive.ubuntu.com/ubuntu jammy/multiverse amd64 Packages [266 kB]
Get:11 http://archive.ubuntu.com/ubuntu jammy/universe amd64 Packages [17.5 MB]
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 [1284 kB]
Get:14 http://archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [1169 kB]
Get:15 http://archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 Packages [1137 kB]
Get:16 http://archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 Packages [46.6 kB]
Get:17 http://archive.ubuntu.com/ubuntu jammy-backports/universe amd64 Packages [25.6 kB]
Get:18 http://archive.ubuntu.com/ubuntu jammy-backports/main amd64 Packages [49.4 kB]
Fetched 27.0 MB in 7s (3881 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
All packages are up to date.
root@c9e05860fead:/#
```

1 2 3 4 root@c9e05860fead:/ Como Instalar e Utiliz... Right Control

isabela boscov [Executando] - Oracle VM VirtualBox

Arquivo Máquina Visualizar Entrada Dispositivos Ajuda

Arquivo Ações Editar Exibir Ajuda

root@c9e05860feed: /

```
All packages are up to date.
root@c9e05860feed:/# apt install nodejs
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  ca-certificates javascript-common libbrotli1 libc-ares2 libicu70 libjs-highlight.js libnghhttp2-14 libnode72 libuv1 nodejs-doc openssl
Suggested packages:
  apache2 | lighttpd | httpd npm
The following NEW packages will be installed:
  ca-certificates javascript-common libbrotli1 libc-ares2 libicu70 libjs-highlight.js libnghhttp2-14 libnode72 libuv1 nodejs nodejs-doc openssl
0 upgraded, 12 newly installed, 0 to remove and 0 not upgraded.
Need to get 26.1 MB of archives.
After this operation, 93.0 MB of additional disk space will be used.
Do you want to continue? [Y/n] Y
Get:1 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 openssl amd64 3.0.2-0ubuntu1.9 [1185 kB]
Get:2 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 ca-certificates all 20211016ubuntu0.22.04.1 [144 kB]
Get:3 http://archive.ubuntu.com/ubuntu jammy/main amd64 libicu70 amd64 70.1-2 [10.6 MB]
Get:4 http://archive.ubuntu.com/ubuntu jammy/main amd64 libnghhttp2-14 amd64 1.43.0-1build3 [76.3 kB]
Get:5 http://archive.ubuntu.com/ubuntu jammy/main amd64 libuv1 amd64 1.43.0-1 [93.1 kB]
Get:6 http://archive.ubuntu.com/ubuntu jammy/main amd64 javascript-common all 11+nmu1 [5936 B]
Get:7 http://archive.ubuntu.com/ubuntu jammy/main amd64 libbrotli1 amd64 1.0.9-2build6 [315 kB]
Get:8 http://archive.ubuntu.com/ubuntu jammy/universe amd64 libjs-highlight.js all 9.18.5+dfsg1-1 [367 kB]
Get:9 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libc-ares2 amd64 1.18.1-1ubuntu0.22.04.1 [45.1 kB]
Get:10 http://archive.ubuntu.com/ubuntu jammy/universe amd64 libnode72 amd64 12.22.9~dfsg-1ubuntu3 [10.8 MB]
Get:11 http://archive.ubuntu.com/ubuntu jammy/universe amd64 nodejs-doc all 12.22.9~dfsg-1ubuntu3 [2409 kB]
Get:12 http://archive.ubuntu.com/ubuntu jammy/universe amd64 nodejs amd64 12.22.9~dfsg-1ubuntu3 [122 kB]
Fetched 26.1 MB in 6s (4164 kB/s)
debconf: delaying package configuration, since apt-utils is not installed
Selecting previously unselected package openssl.
(Reading database ... 4395 files and directories currently installed.)
Preparing to unpack .../00-openssl_3.0.2-0ubuntu1.9_amd64.deb ...
Unpacking openssl (3.0.2-0ubuntu1.9) ...
Selecting previously unselected package ca-certificates.
Preparing to unpack .../01-ca-certificates_20211016ubuntu0.22.04.1_all.deb ...
Unpacking ca-certificates (20211016ubuntu0.22.04.1) ...
Selecting previously unselected package libicu70:amd64.
Preparing to unpack .../02-libicu70_70.1-2_amd64.deb ...
Unpacking libicu70:amd64 (70.1-2) ...
Selecting previously unselected package libnghhttp2-14:amd64.
Preparing to unpack .../03-libnghhttp2-14_1.43.0-1build3_amd64.deb ...
Unpacking libnghhttp2-14:amd64 (1.43.0-1build3) ...
root@c9e05860feed:/# Como Instalar e Utiliz...
```

1 2 3 4 - root@c9e05860feed:/ 21:38

isabela boscov [Executando] - Oracle VM VirtualBox

Arquivo Máquina Visualizar Entrada Dispositivos Ajuda

Arquivo Ações Editar Exibir Ajuda

root@c9e05860fead:/#

```
Selecting previously unselected package libnode72:amd64.
Preparing to unpack .../09-libnode72_12.22.9~dfsg-1ubuntu3_amd64.deb ...
Unpacking libnode72:amd64 (12.22.9~dfsg-1ubuntu3) ...
Selecting previously unselected package nodejs-doc.
Preparing to unpack .../10-nodejs-doc_12.22.9~dfsg-1ubuntu3_all.deb ...
Unpacking nodejs-doc (12.22.9~dfsg-1ubuntu3) ...
Selecting previously unselected package nodejs.
Preparing to unpack .../11-nodejs_12.22.9~dfsg-1ubuntu3_amd64.deb ...
Unpacking nodejs (12.22.9~dfsg-1ubuntu3) ...
Setting up javascript-common (11+nmv1) ...
Setting up libbrotli1:amd64 (1.0.9-2build6) ...
Setting up libnghttp2-14:amd64 (1.43.0-1build3) ...
Setting up libc-ares2:amd64 (1.18.1-1ubuntu0.22.04.1) ...
Setting up libuv1:amd64 (1.43.0-1) ...
Setting up libjs-highlight.js (9.18.5+dfsg1-1) ...
Setting up openssl (3.0.2-0ubuntu1.9) ...
Setting up libicu70:amd64 (70.1-2) ...
Setting up libnode72:amd64 (12.22.9~dfsg-1ubuntu3) ...
Setting up ca-certificates (20211016ubuntu0.22.04.1) ...
debconf: unable to initialize frontend: Dialog
debconf: (No usable dialog-like program is installed, so the dialog based frontend cannot be used. at /usr/share/perl5/Debconf/FrontEnd/Dialog.pm line 78.)
debconf: falling back to frontend: Readline
debconf: unable to initialize frontend: Readline
debconf: (Can't locate Term/ReadLine.pm in @INC (you may need to install the Term::ReadLine module) (@INC contains: /etc/perl /usr/local/lib/x86_64-linux-gnu/perl/5.34.0 /usr/local/share/perl/5.34.0 /usr/lib/x86_64-linux-gnu/perl5/5.34 /usr/share/perl5 /usr/lib/x86_64-linux-gnu/perl-base /usr/lib/x86_64-linux-gnu/perl/5.34 /usr/share/perl/5.34 /usr/local/lib/site_perl) at /usr/share/perl5/Debconf/FrontEnd/Readline.pm line 7.)
debconf: falling back to frontend: Teletype
Updating certificates in /etc/ssl/certs...
124 added, 0 removed; done.
Setting up nodejs-doc (12.22.9~dfsg-1ubuntu3) ...
Setting up nodejs (12.22.9~dfsg-1ubuntu3) ...
update-alternatives: using /usr/bin/nodejs to provide /usr/bin/js (js) in auto mode
update-alternatives: warning: skip creation of /usr/share/man/man1/js.1.gz because associated file /usr/share/man/man1/nodejs.1.gz (of link group js) doesn't exist
Processing triggers for libc-bin (2.35-0ubuntu3.1) ...
Processing triggers for ca-certificates (20211016ubuntu0.22.04.1) ...
Updating certificates in /etc/ssl/certs...
0 added, 0 removed; done.
Running hooks in /etc/ca-certificates/update.d...
done.
root@c9e05860fead:/# node -v
v12.22.9
root@c9e05860fead:/#
```

1 2 3 4 root@c9e05860fead:/ Como Instalar e Utiliz...

vitor@vitor-virtualbox: ~

Arquivo Ações Editar Exibir Ajuda

vitor@vitor-virtualbox: ~

```
vitor@vitor-virtualbox:~$ sudo docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
vitor@vitor-virtualbox:~$ sudo docker ps -a
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
c9e05860feed ubuntu "/bin/bash" 5 minutes ago Exited (0) 31 seconds ago elastic_colden
7a860a8612e9 hello-world "/hello" 9 minutes ago Exited (0) 9 minutes ago nice_jackson
vitor@vitor-virtualbox:~$ sudo docker ps -l
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
c9e05860feed ubuntu "/bin/bash" 5 minutes ago Exited (0) 42 seconds ago elastic_colden
vitor@vitor-virtualbox:~$
```

isabela boscov [Executando] - Oracle VM VirtualBox

Arquivo Máquina Visualizar Entrada Dispositivos Ajuda

vitor@vitor-virtualbox: ~

Arquivo Ações Editar Exibir Ajuda

vitor@vitor-virtualbox: ~

```
vitor@vitor-virtualbox:~$ sudo docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
vitor@vitor-virtualbox:~$ sudo docker ps -a
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
c9e05860fead ubuntu "/bin/bash" 5 minutes ago Exited (0) 31 seconds ago elastic_colden
7a860a8612e9 hello-world "/hello" 9 minutes ago Exited (0) 9 minutes ago nice_jackson
vitor@vitor-virtualbox:~$ sudo docker ps -l
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
c9e05860fead ubuntu "/bin/bash" 5 minutes ago Exited (0) 42 seconds ago elastic_colden
vitor@vitor-virtualbox:~$ sudo start c9e05860fead
sudo: start: comando não encontrado
vitor@vitor-virtualbox:~$ sudo docaker start c9e05860fead
sudo: docaker: comando não encontrado
vitor@vitor-virtualbox:~$ sudo docker start c9e05860fead
c9e05860fead
vitor@vitor-virtualbox:~$ sudo docker stop elstic_colden
Error response from daemon: No such container: elstic_colden
vitor@vitor-virtualbox:~$ sudo docker stop elastic_colden
elastic_colden
vitor@vitor-virtualbox:~$
```

1 2 3 4 vitor@vitor-virtualbo... Como Instalar e Utiliz... 21:45

Right Control