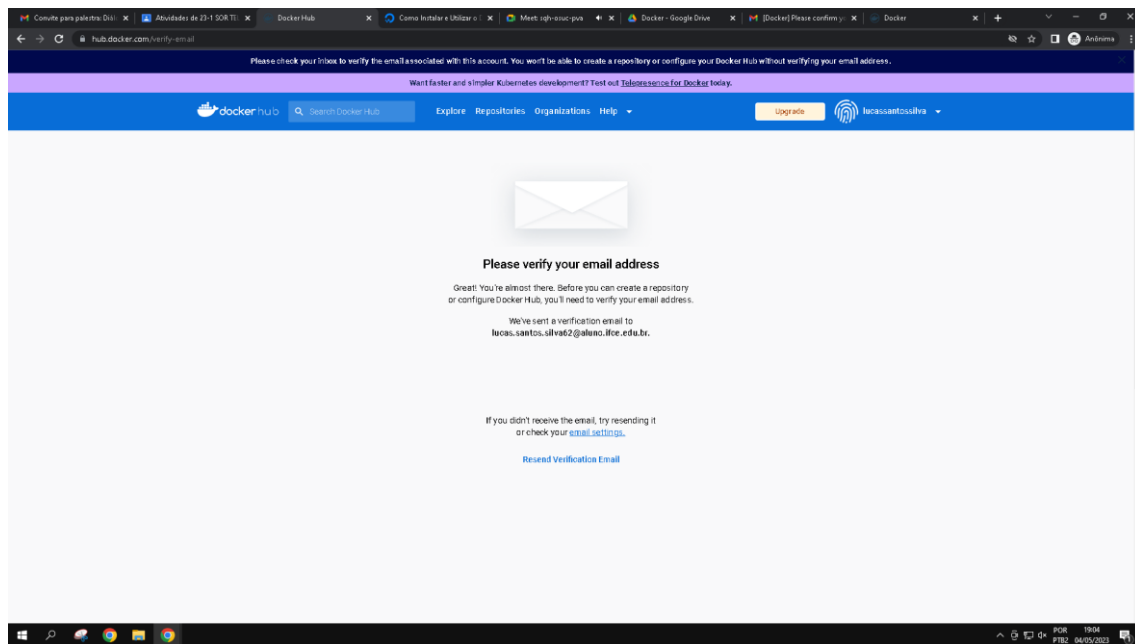
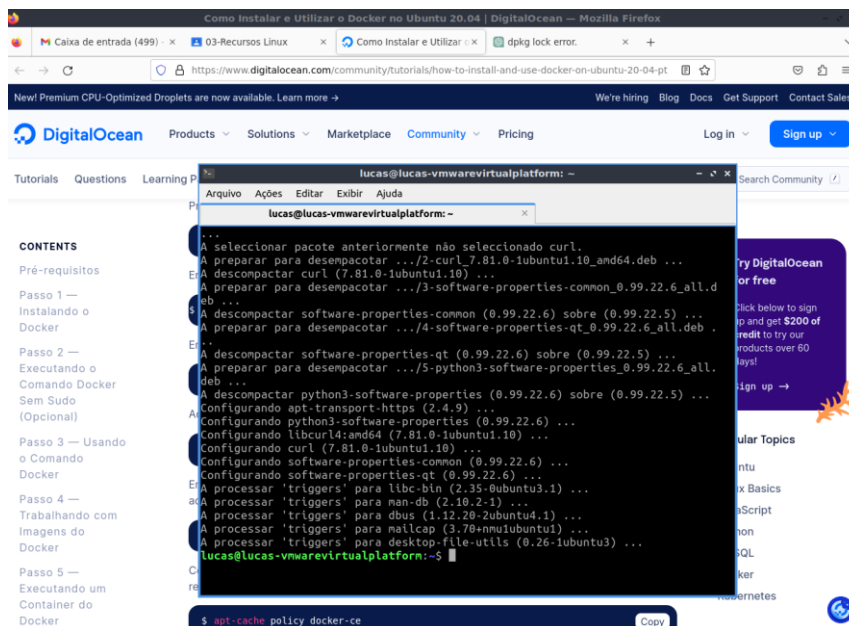


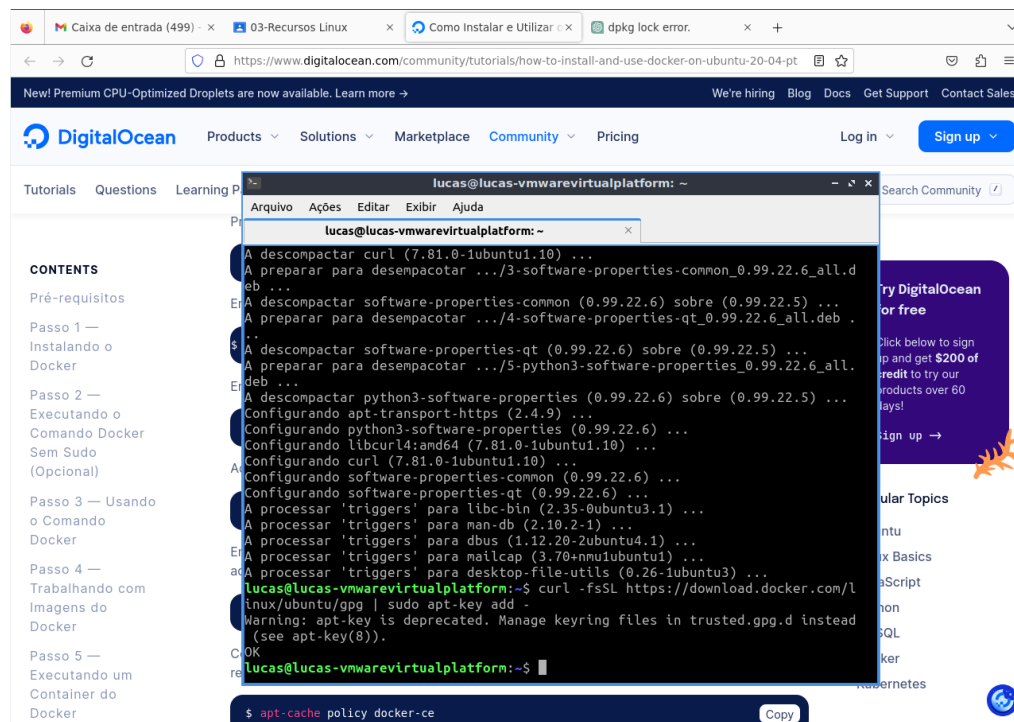
Criando a conta do docker hub



Instalando alguns pacotes pré-requisito que deixam o apt usar pacotes pelo HTTPS



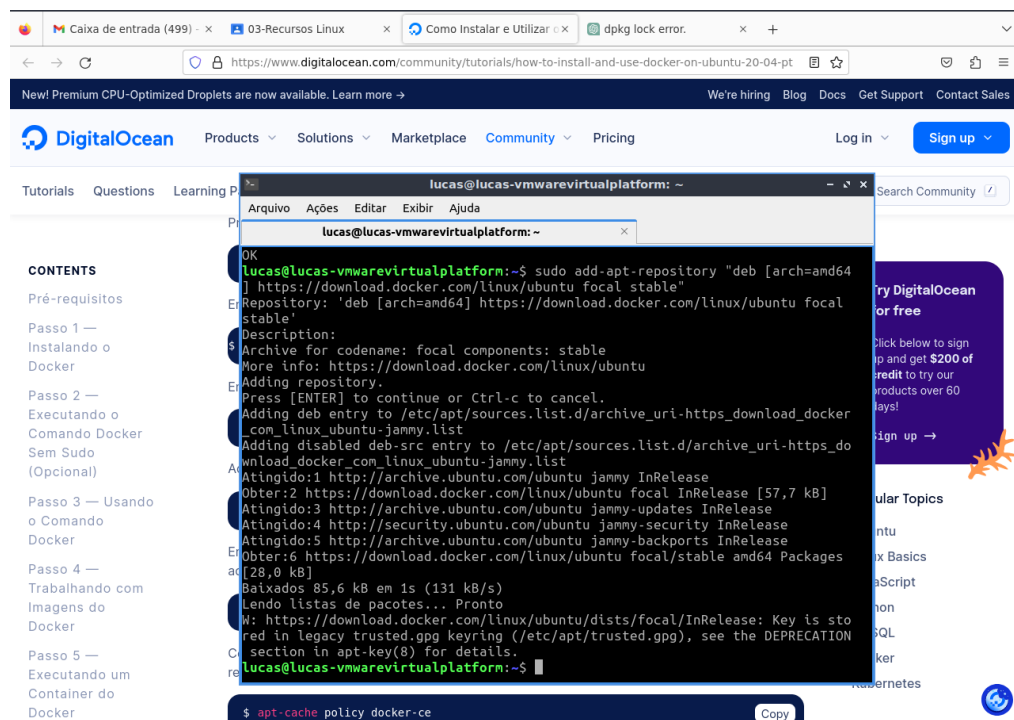
Adicionando a chave GPG para o repositório oficial do Docker no seu sistema



The screenshot shows a web browser displaying a DigitalOcean tutorial titled "How to install and use Docker on Ubuntu 20.04". The terminal window shows the following commands and output:

```
lucas@lucas-vmwarevirtualplatform: ~  
$ 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  
lucas@lucas-vmwarevirtualplatform:~$
```

Adicionando o repositório do Docker às fontes do APT:



The screenshot shows a web browser displaying a DigitalOcean tutorial titled "How to install and use Docker on Ubuntu 20.04". The terminal window shows the following commands and output:

```
lucas@lucas-vmwarevirtualplatform: ~  
$ sudo add-apt-repository "deb [arch=amd64] https://download.docker.com/linux/ubuntu focal stable"  
Repository: 'deb [arch=amd64] https://download.docker.com/linux/ubuntu focal stable'  
Description:  
Archive for codename: focal components: stable  
More info: https://download.docker.com/linux/ubuntu  
Adding repository.  
Press [ENTER] to continue or Ctrl-C to cancel.  
Adding deb entry to /etc/apt/sources.list.d/archive_uri-https_download_docker_com_linux_ubuntu-jammy.list  
Adding disabled deb-src entry to /etc/apt/sources.list.d/archive_uri-https_download_docker_com_linux_ubuntu-jammy.list  
Attingido:1 http://archive.ubuntu.com/ubuntu jammy InRelease  
Obter:2 https://download.docker.com/linux/ubuntu focal InRelease [57,7 kB]  
Attingido:3 http://archive.ubuntu.com/ubuntu jammy-updates InRelease  
Attingido:4 http://security.ubuntu.com/ubuntu jammy-security InRelease  
Attingido:5 http://archive.ubuntu.com/ubuntu jammy-backports InRelease  
Obter:6 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages [28,0 kB]  
Baixados 85,6 kB em 1s (131 kB/s)  
Lendo listas de pacotes... Pronto  
N: 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.  
lucas@lucas-vmwarevirtualplatform:~$
```

Certifique-se de que você está prestes a instalar do repositório do Docker ao invés do repositório padrão do Ubuntu

Caixa de entrada (499)03-Recursos LinuxComo Instalar e Utilizardpkg lock error

← → ↺https://www.digitalocean.com/community/tutorials/how-to-install-and-use-docker-on-ubuntu-20-04-pt

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CONTENTS

Pré-requisitos

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

Passo 3 — Usando o Comando Docker

Passo 4 — Trabalhando com Imagens do Docker

Passo 5 — Executando um Container do Docker

lucas@lucas-vmwarevirtualplatform: ~

ArquivoAçõesEditarExibirAjuda

lucas@lucas-vmwarevirtualplatform: ~

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.

lucas@lucas-vmwarevirtualplatform:~\$ apt-cache policy docker-ce

docker-ce:

Instalado: (nenhum)

Candidato: 5:23.0.5-1-ubuntu.20.04-focal

Tabela de versão:

5:23.0.5-1-ubuntu.20.04-focal 500

500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages

5:23.0.4-1-ubuntu.20.04-focal 500

500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages

5:23.0.3-1-ubuntu.20.04-focal 500

500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages

5:23.0.2-1-ubuntu.20.04-focal 500

500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages

5:23.0.1-1-ubuntu.20.04-focal 500

500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages

5:23.0.0-1-ubuntu.20.04-focal 500

500 https://download.docker.com/linux/ubuntu focal/stable amd64 Packages

5:20.10.24-3-0-ubuntu-focal 500

O Docker deve agora ser instalado, o daemon iniciado e o processo habilitado a iniciar no boot.

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instale o Docker:

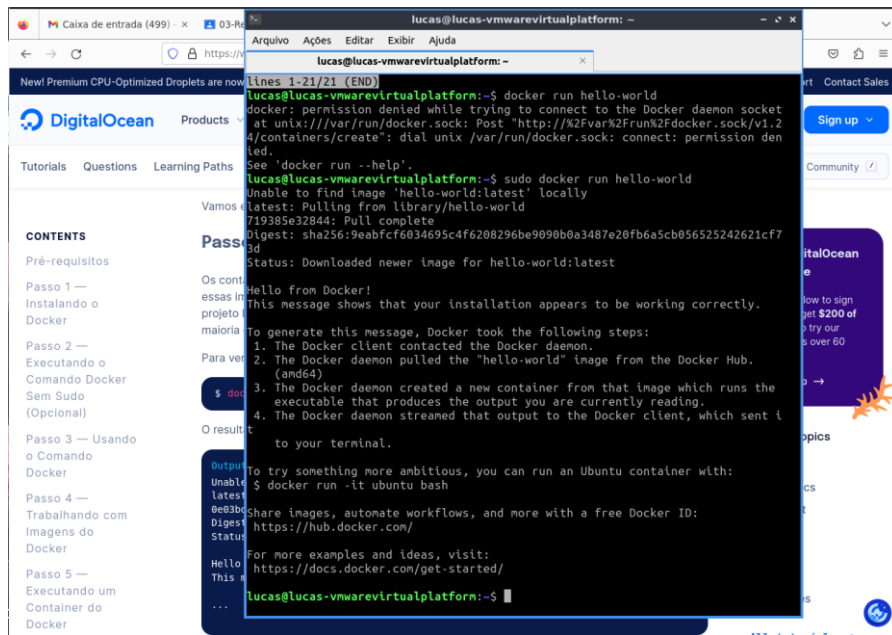
```
lucas@lucas-vmwarevirtualplatform: ~$ sudo apt install docker-ce
Lendo listas de pacotes... Pronto
Construindo árvore de dependências... Pronto
Lendo informação de estado... Pronto
Os pacotes adicionais seguintes serão instalados:
  containerd.io docker-buildx-plugin docker-ce-cli
  docker-ce-rootless-extras 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-cli
  docker-ce-rootless-extras docker-compose-plugin libslirp0 pigz
  slirp4netns
9 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 https://download.docker.com/linux/ubuntu focal/stable amd64 container
  d.io amd64 1.6.20-1 [28,3 MB]
Obter:3 http://archive.ubuntu.com/ubuntu jammy/main amd64 libslirp0 amd64 4.6
  .1-1build1 [61,5 kB]
Obter:4 http://archive.ubuntu.com/ubuntu jammy/universe amd64 slirp4netns amd
  64 1.0.1-2 [28,2 kB]
Obter:5 https://download.docker.com/linux/ubuntu focal/stable amd64 docker-bu
  ildx-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 5:23.0.5-1-ubuntu.20.04-focal [13,2 MB]
Obter:7 https://download.docker.com/linux/ubuntu focal/stable amd64 docker-ce
  amd64 5:23.0.5-1-ubuntu.20.04-focal [22,0 MB]
Obter:8 https://download.docker.com/linux/ubuntu focal/stable amd64 docker-ce
  -rootless-extras amd64 5:23.0.5-1-ubuntu.20.04-focal [8.778 kB]
Obter:9 https://download.docker.com/linux/ubuntu focal/stable amd64 docker-co
  mpose-plugin amd64 2.17.3-1-ubuntu.20.04-focal [10,9 MB]
Baixados 109 MB em 6s (19,8 MB/s)

$ sudo systemctl enable --now docker.service
● docker.service - Docker Application Container Engine
```

```
lucas@lucas-vmwarevirtualplatform: ~$ sudo apt install docker-ce
A seleccionar pacote anteriormente não seleccionado docker-ce.
A preparar para desempacotar .../4-docker-ce_5%3a23.0.5-1-ubuntu.20.04-focal_
  amd64.deb ...
A descompactar docker-ce (5:23.0.5-1-ubuntu.20.04-focal) ...
A seleccionar pacote anteriormente não seleccionado docker-ce-rootless-extras
  .
A preparar para desempacotar .../5-docker-ce-rootless-extras_5%3a23.0.5-1-ubu
  nt.20.04-focal_amd64.deb ...
A descompactar docker-ce-rootless-extras (5:23.0.5-1-ubuntu.20.04-focal) ...
A seleccionar pacote anteriormente não seleccionado docker-compose-plugin.
A preparar para desempacotar .../6-docker-compose-plugin_2.17.3-1-ubuntu.20.0
  4-focal_amd64.deb ...
A descompactar docker-compose-plugin (2.17.3-1-ubuntu.20.04-focal) ...
A seleccionar pacote anteriormente não seleccionado libslirp0:amd64.
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 (1.6.20-1) ...
Created symlink /etc/systemd/system/multi-user.target.wants/containerd.servic
  e → /lib/systemd/system/containerd.service.
Configurando docker-compose-plugin (2.17.3-1-ubuntu.20.04-focal) ...
Configurando docker-ce-cli (5:23.0.5-1-ubuntu.20.04-focal) ...
Configurando libslirp0:amd64 (4.6.1-1build1) ...
Configurando pigz (2.6-1) ...
Configurando docker-ce-rootless-extras (5:23.0.5-1-ubuntu.20.04-focal) ...
Configurando slirp4netns (1.0.1-2) ...
Configurando docker-ce (5:23.0.5-1-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) ...
lucas@lucas-vmwarevirtualplatform: ~$
```

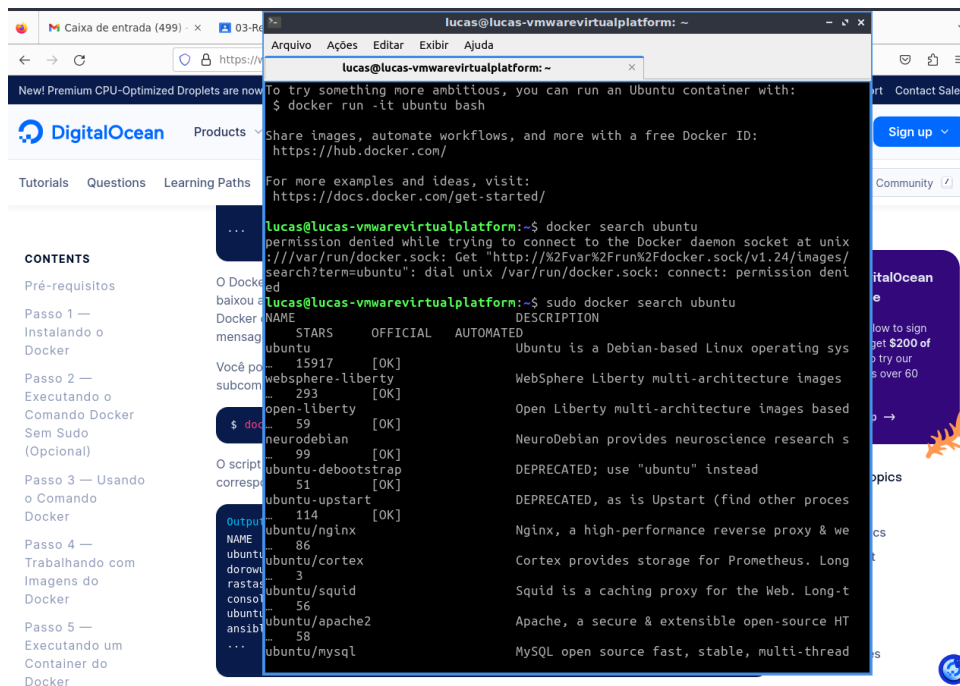
A screenshot of a DigitalOcean droplet terminal window. The terminal title is 'lucas@lucas-vmwarevirtualplatform: ~'. The user is running a series of commands to install and configure Docker. The commands include: 'apt update', 'apt install docker.io', 'systemctl enable docker', 'systemctl restart docker', 'systemctl status docker', 'docker --version', 'docker info', 'docker run hello-world', and 'docker ps'. The output shows that Docker is successfully installed and running. The terminal also displays the DigitalOcean logo and navigation links like 'Products', 'Tutorials', 'Questions', and 'Learning Paths'. On the right side, there is a sidebar with a 'Sign up' button and a 'Community' link. The bottom of the terminal shows the output of the 'docker run hello-world' command, which is a message from Docker confirming the installation.

Verificando se pode acessar e baixar imagens do Docker Hub



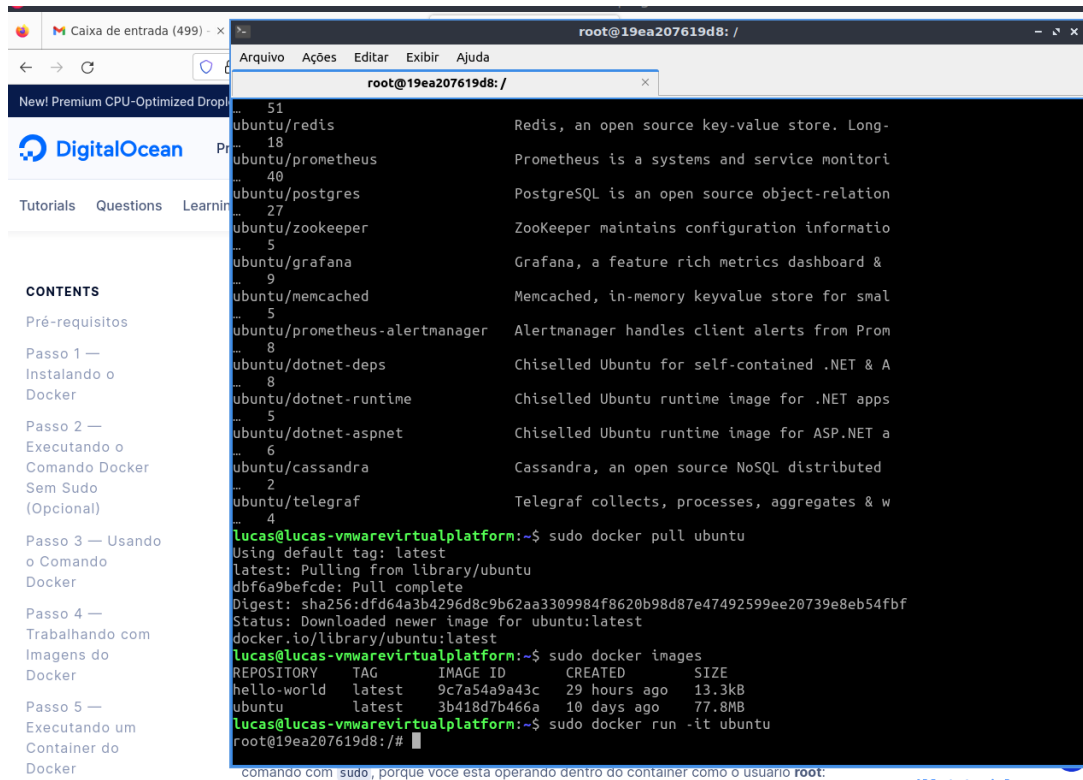
```
lucas@lucas-vmwarevirtualplatform: ~  
lucas@lucas-vmwarevirtualplatform:~$ docker run hello-world  
docker: permission denied while trying to connect to the Docker daemon socket  
at unix:///var/run/docker.sock: Post "http://%2Fvar%2Frun%2Fdocker.sock/v1.24/containers/create": dial unix /var/run/docker.sock: connect: permission denied.  
See 'docker run --help'.  
lucas@lucas-vmwarevirtualplatform:~$ sudo docker run hello-world  
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/  
lucas@lucas-vmwarevirtualplatform:~$
```

Procurando imagens disponíveis no Docker Hub



```
lucas@lucas-vmwarevirtualplatform: ~  
lucas@lucas-vmwarevirtualplatform:~$ 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/search?term=ubuntu": dial unix /var/run/docker.sock: connect: permission denied.  
lucas@lucas-vmwarevirtualplatform:~$ sudo docker search ubuntu  
NAME          STARS     OFFICIAL   AUTOMATED  
ubuntu        15917     [OK]  
webspHERE-liberty 293       [OK]  
open-liberty  59         [OK]  
neurodebian   99         [OK]  
ubuntu-debootstrap 51         [OK]  
ubuntu-upstart 114        [OK]  
ubuntu/nginx  86  
ubuntu/cortex 3  
ubuntu/squid  56  
ubuntu/apache2 58  
ubuntu/mysql
```

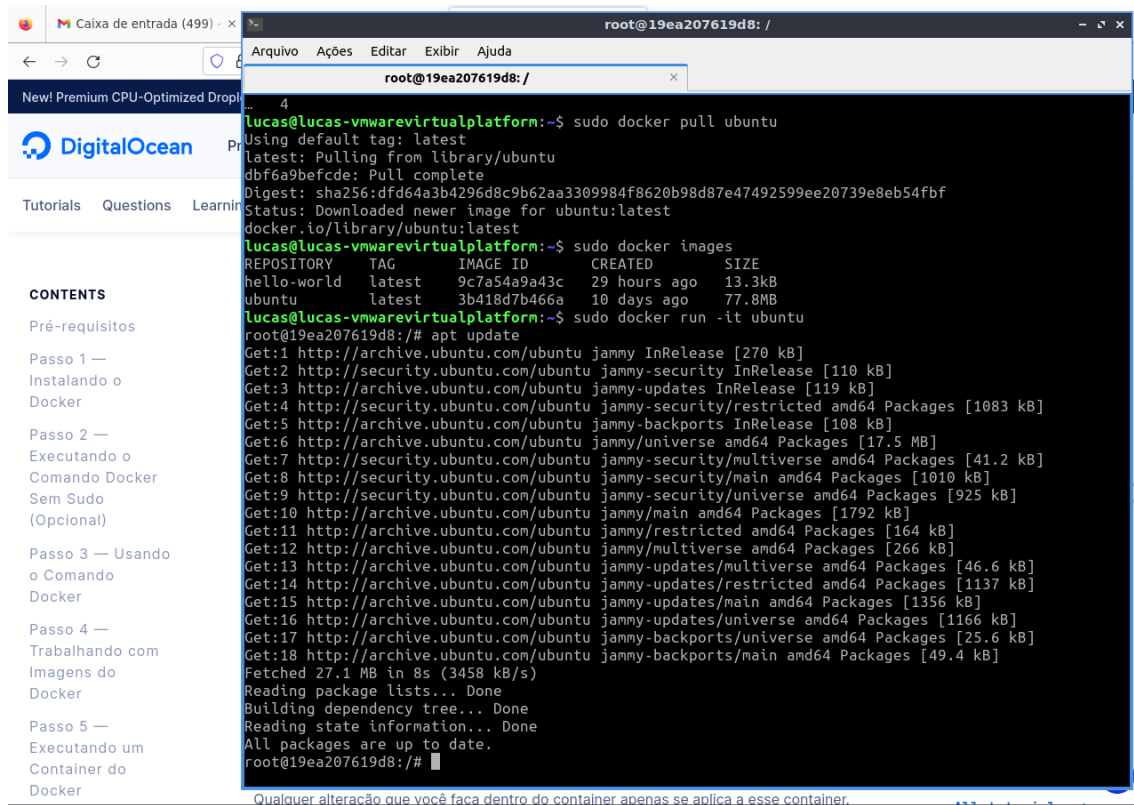

Executando um Container do Docker



```
root@19ea207619d8: /  
...  
51 ubuntu/redis Redis, an open source key-value store. Long-  
18  
40 ubuntu/prometheus Prometheus is a systems and service monitori  
27 ubuntu/postgres PostgreSQL is an open source object-relatio  
5 ubuntu/zookeeper ZooKeeper maintains configuration informatio  
9 ubuntu/grafana Grafana, a feature rich metrics dashboard &  
5 ubuntu/memcached Memcached, in-memory keyvalue store for smal  
8 ubuntu/prometheus-alertmanager Alertmanager handles client alerts from Prom  
8 ubuntu/dotnet-deps Chiselled Ubuntu for self-contained .NET & A  
5 ubuntu/dotnet-runtime Chiselled Ubuntu runtime image for .NET apps  
6 ubuntu/dotnet-aspnet Chiselled Ubuntu runtime image for ASP.NET a  
2 ubuntu/cassandra Cassandra, an open source NoSQL distributed  
4 ubuntu/telegraf Telegraf collects, processes, aggregates & w  
lucas@lucas-vmwarevirtualplatform:~$ 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  
lucas@lucas-vmwarevirtualplatform:~$ sudo docker images  
REPOSITORY TAG IMAGE ID CREATED SIZE  
hello-world latest 9c7a54a9a43c 29 hours ago 13.3kB  
ubuntu latest 3b418d7b466a 10 days ago 77.8MB  
lucas@lucas-vmwarevirtualplatform:~$ sudo docker run -it ubuntu  
root@19ea207619d8: /#
```

comando com sudo, porque voce esta operando dentro do container como o usuario root.

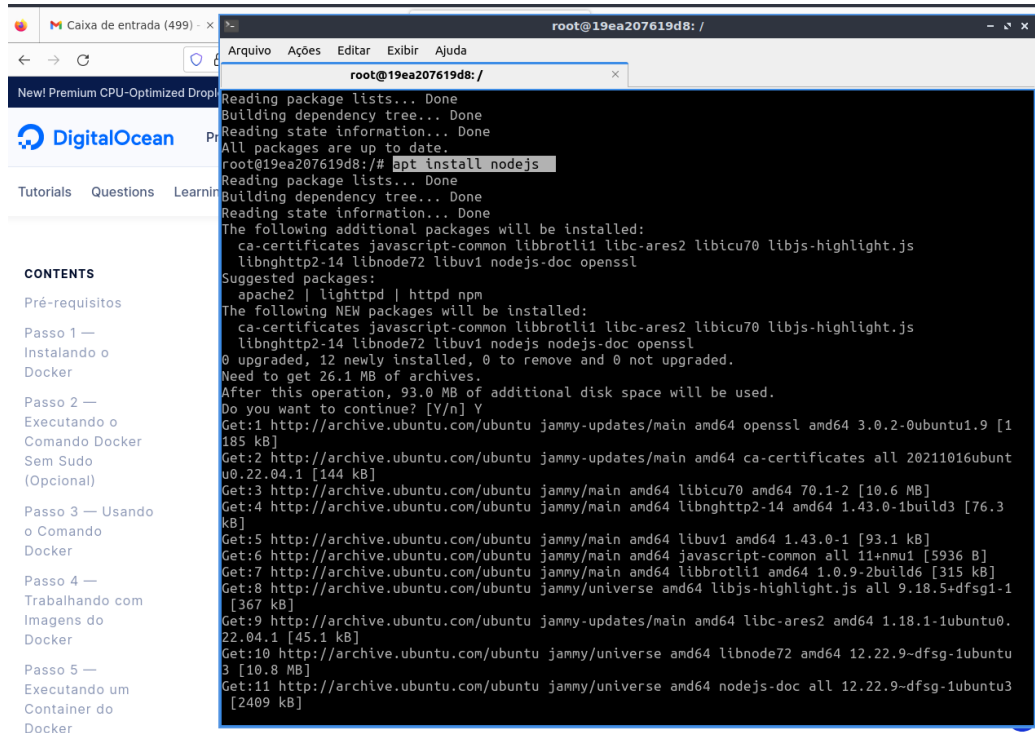
Atualizando Container



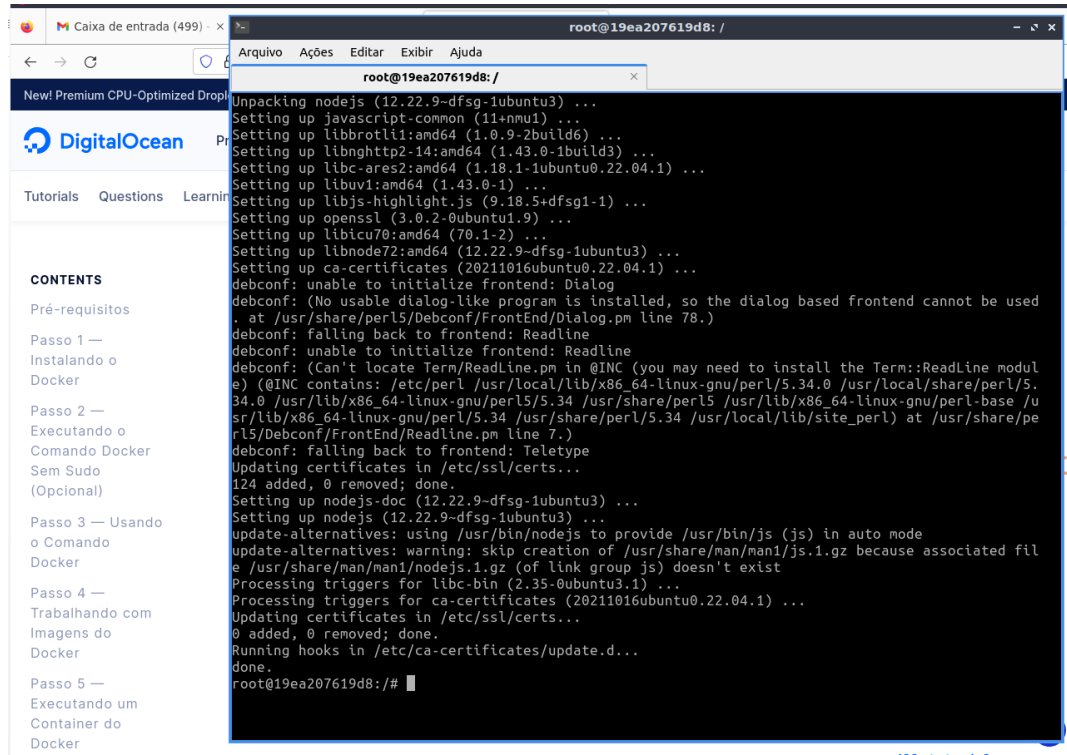
```
root@19ea207619d8: /  
...  
4  
lucas@lucas-vmwarevirtualplatform:~$ sudo docker pull ubuntu  
Using default tag: latest  
latest: Pulling from library/ubuntu  
dbf6a9befcde: Pull complete  
Digest: sha256:dfd64a3b4296d8c9b62aa3309984f8620b98d87e47492599ee20739e8eb54fbf  
Status: Downloaded newer image for ubuntu:latest  
docker.io/library/ubuntu:latest  
lucas@lucas-vmwarevirtualplatform:~$ sudo docker images  
REPOSITORY TAG IMAGE ID CREATED SIZE  
hello-world latest 9c7a54a9a43c 29 hours ago 13.3kB  
ubuntu latest 3b418d7b466a 10 days ago 77.8MB  
lucas@lucas-vmwarevirtualplatform:~$ sudo docker run -it ubuntu  
root@19ea207619d8: /# apt update  
Get:1 http://archive.ubuntu.com/ubuntu jammy InRelease [270 kB]  
Get:2 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]  
Get:3 http://archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]  
Get:4 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 Packages [1083 kB]  
Get:5 http://archive.ubuntu.com/ubuntu jammy-backports InRelease [108 kB]  
Get:6 http://archive.ubuntu.com/ubuntu jammy/universe amd64 Packages [17.5 MB]  
Get:7 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 Packages [41.2 kB]  
Get:8 http://security.ubuntu.com/ubuntu jammy-security/main amd64 Packages [1010 kB]  
Get:9 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [925 kB]  
Get:10 http://archive.ubuntu.com/ubuntu jammy/main amd64 Packages [1792 kB]  
Get:11 http://archive.ubuntu.com/ubuntu jammy/restricted amd64 Packages [164 kB]  
Get:12 http://archive.ubuntu.com/ubuntu jammy/multiverse amd64 Packages [266 kB]  
Get:13 http://archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 Packages [46.6 kB]  
Get:14 http://archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 Packages [1137 kB]  
Get:15 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [1356 kB]  
Get:16 http://archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [1166 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 27.1 MB in 8s (3458 kB/s)  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
All packages are up to date.  
root@19ea207619d8: /#
```

Qualquer alteração que você faça dentro do container apenas se aplica a esse container.

Instalando o Node.js:



```
root@19ea207619d8: /  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
All packages are up to date.  
root@19ea207619d8: /# 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  
  libnghttp2-14 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  
  libnghttp2-14 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 [1  
185 kB]  
Get:2 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 ca-certificates all 20211016ubuntu  
0.22.04.1 [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 libnghttp2-14 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 12.22.9-1ubuntu3  
[10.8 MB]  
Get:11 http://archive.ubuntu.com/ubuntu jammy/universe amd64 nodejs-doc all 12.22.9-1ubuntu3  
[2409 kB]
```



```
root@19ea207619d8: /  
Unpacking nodejs (12.22.9-1ubuntu3) ...  
Setting up javascript-common (11+nmu1) ...  
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 (12.22.9-1ubuntu3) ...  
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 modul  
e) (@/usr/lib/x86_64-linux-gnu/perl5/5.34:/usr/local/lib/x86_64-linux-gnu/perl5/5.34:/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/u  
sr/lib/x86_64-linux-gnu/perl5/5.34:/usr/share/perl/5.34:/usr/local/lib/site_perl) at /usr/share/pe  
rl5/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 (12.22.9-1ubuntu3) ...  
Setting up nodejs (12.22.9-1ubuntu3) ...  
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 fil  
e /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@19ea207619d8: /#
```

Vendo a versão do node

Caixa de entrada (499)

Arquivo

Ações

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Ajuda

root@19ea207619d8: /

Unpacking nodejs (12.22.9-dfsg-1ubuntu3) ...
Setting up javascript-common (11+nmu1) ...
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 libc70: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 modul
e) (@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 /u
sr/lib/x86_64-linux-gnu/perl/5.34 /usr/share/perl/5.34 /usr/local/lib/site_perl) at /usr/share/pe
rl5/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 fil
e /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@19ea207619d8: /# node -v
v12.22.9
root@19ea207619d8: /#

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Pré-requisitos

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

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Passo 5 — Executando um Container do Docker

Ativando, desativando e vendo os status dos containers

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

Caixa de entrada (499)

Arquivo

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Ajuda

lucas@lucas-vmwarevirtualplatform: ~

lucas@lucas-vmwarevirtualplatform: ~

root@19ea207619d8: /# exit
exit
lucas@lucas-vmwarevirtualplatform: ~\$ docker ps
permission denied while trying to connect to the Docker daemon socket at unix:///var/run/docker.s
ock: Get "http://%2Fvar%2Frun%2Fdocker.sock/v1.24/containers/json": dial unix /var/run/docker.soc
k: connect: permission denied
lucas@lucas-vmwarevirtualplatform: ~\$ sudo docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
lucas@lucas-vmwarevirtualplatform: ~\$ sudo docker ps -a
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS
NAMES
19ea207619d8 ubuntu "/bin/bash" 5 minutes ago Exited (130) 36 seconds ago
trusting_fermi
a1bd61bf23e6 hello-world "/hello" 16 minutes ago Exited (0) 16 minutes ago
romantic_ptolemy
lucas@lucas-vmwarevirtualplatform: ~\$ docker ps -l
permission denied while trying to connect to the Docker daemon socket at unix:///var/run/docker.s
ock: Get "http://%2Fvar%2Frun%2Fdocker.sock/v1.24/containers/json?limit=1": dial unix /var/run/do
cker.sock: connect: permission denied
lucas@lucas-vmwarevirtualplatform: ~\$ sudo docker ps -l
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NA
MES
19ea207619d8 ubuntu "/bin/bash" 5 minutes ago Exited (130) 57 seconds ago tr
usting_fermi
lucas@lucas-vmwarevirtualplatform: ~\$ sudo docker start 19ea207619d8
19ea207619d8
lucas@lucas-vmwarevirtualplatform: ~\$ sudo docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
19ea207619d8 ubuntu "/bin/bash" 6 minutes ago Up 12 seconds trusting_fermi
lucas@lucas-vmwarevirtualplatform: ~\$ docker stop trusting_fermi
permission denied while trying to connect to the Docker daemon socket at unix:///var/run/docker.s
ock: Post "http://%2Fvar%2Frun%2Fdocker.sock/v1.24/containers/trusting_fermi/stop": dial unix /va
r/run/docker.sock: connect: permission denied
lucas@lucas-vmwarevirtualplatform: ~\$ sudo docker stop trusting_fermi
trusting_fermi
lucas@lucas-vmwarevirtualplatform: ~\$ sudo docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
lucas@lucas-vmwarevirtualplatform: ~\$

Contents

Pré-requisitos

Passo 1 — Instalando o Docker

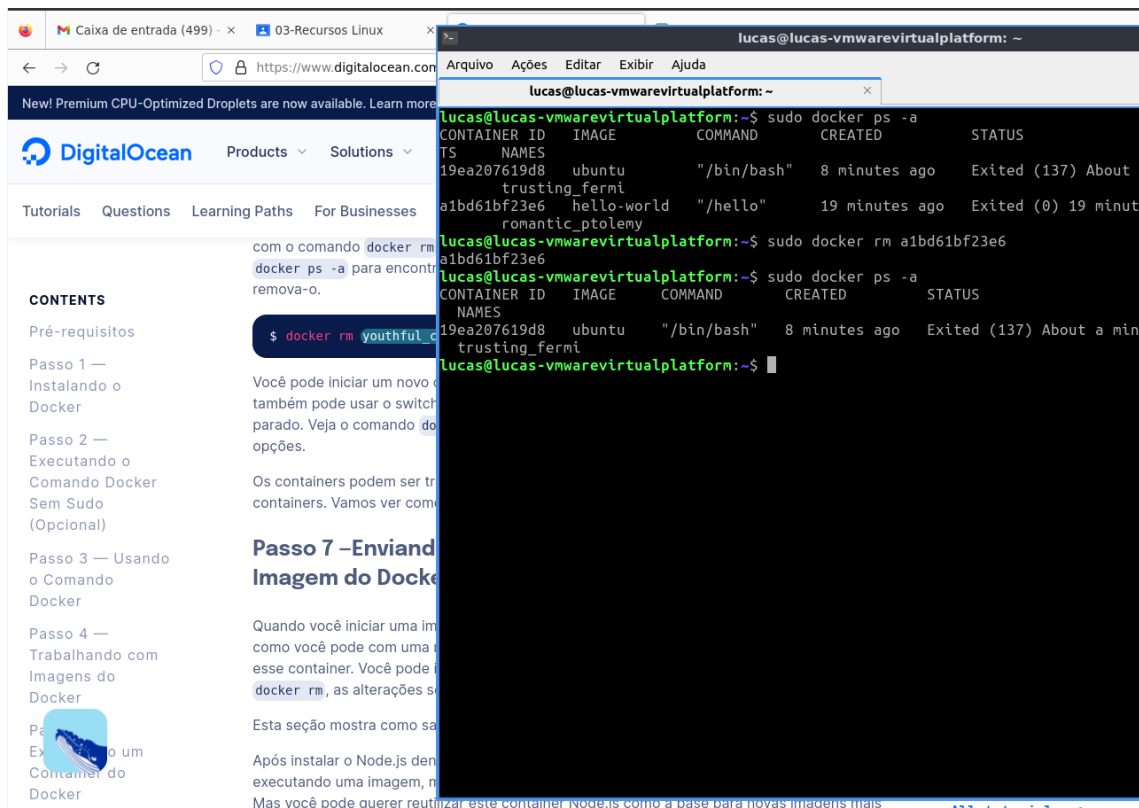
Passo 2 — Executando o Comando Docker Sem Sudo (Opcional)

Passo 3 — Usando o Comando Docker

Passo 4 — Trabalhando com Imagens do Docker

Passo 5 — Executando um Container do Docker

Removendo um contêiner



The screenshot shows a terminal window titled 'lucas@lucas-vmwarevirtualplatform: ~'. The user has run the command `sudo docker ps -a`, which displays a table of Docker containers. The table has columns: CONTAINER ID, IMAGE, COMMAND, CREATED, and STATUS. The containers listed are:

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS
19ea207619d8	ubuntu	"/bin/bash"	8 minutes ago	Exited (137) About a minute ago
a1bd61bf23e6	hello-world	"/hello"	19 minutes ago	Exited (0) 19 minutes ago
romantic_ptolemy				

After running `sudo docker rm a1bd61bf23e6`, the user runs `sudo docker ps -a` again, showing the same table but with the 'romantic_ptolemy' container removed. The background shows a DigitalOcean article titled 'Removendo um contêiner' with a table of contents.

CONTENTS

- Pré-requisitos
- Passo 1 — Instalando o Docker
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- Passo 5 — Executando um Container do Docker

Passo 7 – Enviando Imagem do Docker

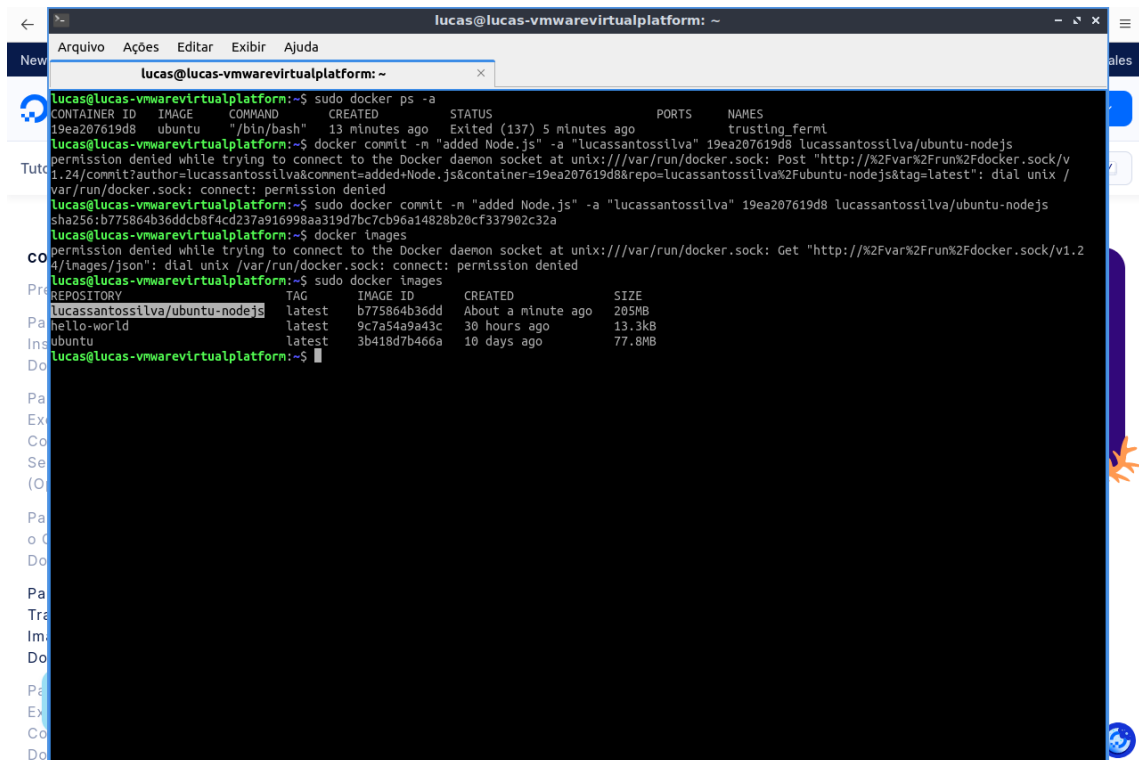
Quando você iniciar uma imagem, você pode usar o comando `docker rm` para remover o contêiner. Você pode também usar o switch `-f` para forçar a remoção. Veja o comando `docker rm -f` para mais opções.

Os containers podem ser removidos com o comando `docker rm`. Vamos ver como usar o comando `docker rm` para remover um contêiner.

Esta seção mostra como salvar uma imagem de um contêiner existente e como enviá-la para um repositório de imagens.

Após instalar o Node.js dentro do contêiner, você pode executar uma imagem, mas você pode querer reutilizar este contêiner Node.js como a base para novas imagens mais tarde.

Enviando Alterações em um Container para uma Imagem do Docker



The screenshot shows a terminal window titled 'lucas@lucas-vmwarevirtualplatform: ~'. The user has run the command `sudo docker ps -a`, which displays a table of Docker containers. The table has columns: CONTAINER ID, IMAGE, COMMAND, CREATED, STATUS, PORTS, and NAMES. The containers listed are:

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
19ea207619d8	ubuntu	"/bin/bash"	13 minutes ago	Exited (137) 5 minutes ago		trusting_ferml

After running `docker commit -m "added Node.js" -a "lucassantossilva" 19ea207619d8`, the user runs `sudo docker commit -m "added Node.js" -a "lucassantossilva" 19ea207619d8`, which outputs the SHA256 hash of the new image: `sha256:b775864b36ddcb8f4cd237a916998aa319d7bc7cb96a14828b20cf337902c32a`.

The user then runs `sudo docker images`, which displays a table of Docker images. The table has columns: REPOSITORY, TAG, IMAGE ID, CREATED, and SIZE. The images listed are:

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
lucassantossilva/ubuntu-nodejs	latest	b775864b36dd	About a minute ago	205MB
hello-world	latest	9c7a54a9a43c	30 hours ago	13.3kB
ubuntu	latest	3b418d7b466a	10 days ago	77.8MB

Logando no Docker hub

```
Arquivo  Ações  Editar  Exibir  Ajuda

lucas@lucas-vmwarevirtualplatform: ~

lucas@lucas-vmwarevirtualplatform:~$ sudo docker ps -a
CONTAINER ID   IMAGE      COMMAND                  CREATED        STATUS        PORTS   NAMES
19ea207619d8   ubuntu    "/bin/bash"             13 minutes ago Exited (137) 5 minutes ago           trusting_fermi
lucas@lucas-vmwarevirtualplatform:~$ docker commit -m "added Node.js" -a "lucassantossilva" 19ea207619d8 lucassantossilva/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=lucassantossilva&comment=added+Node.js&container=19ea207619d8&repo=lucassantossilva%2Fubuntu-nodejs&tag=latest": dial unix /var/run/docker.sock: connect: permission denied
lucas@lucas-vmwarevirtualplatform:~$ sudo docker commit -m "added Node.js" -a "lucassantossilva" 19ea207619d8 lucassantossilva/ubuntu-nodejs
sha256:b775864b36ddcb8f4cd237a916998aa319d7bc7cb96a14828b20cf337902c32a
lucas@lucas-vmwarevirtualplatform:~$ docker images
REPOSITORY      TAG         IMAGE ID      CREATED        SIZE
lucassantossilva/ubuntu-nodejs   latest      b775864b36dd  About a minute ago  205MB
hello-world      latest      9c7a54a9a43c  30 hours ago      13.3kB
ubuntu           latest      3b418d7b466a  10 days ago       77.8MB
lucas@lucas-vmwarevirtualplatform:~$ docker login -u lucassantossilva
Password:
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/auth": dial unix /var/run/docker.sock: connect: permission denied
lucas@lucas-vmwarevirtualplatform:~$ sudo docker login -u lucassantossilva
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
lucas@lucas-vmwarevirtualplatform:~$
```

Empurrando imagem para o docker gub

```
Caixa de entrada (499)

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lucas@lucas-vmwarevirtualplatform: ~

lucas@lucas-vmwarevirtualplatform:~$ sudo docker ps -a
CONTAINER ID   IMAGE      COMMAND                  CREATED        STATUS        PORTS   NAMES
19ea207619d8   ubuntu    "/bin/bash"             13 minutes ago Exited (137) 5 minutes ago           trusting_fermi
lucas@lucas-vmwarevirtualplatform:~$ docker commit -m "added Node.js" -a "lucassantossilva" 19ea207619d8 lucassantossilva/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=lucassantossilva&comment=added+Node.js&container=19ea207619d8&repo=lucassantossilva%2Fubuntu-nodejs&tag=latest": dial unix /var/run/docker.sock: connect: permission denied
lucas@lucas-vmwarevirtualplatform:~$ sudo docker commit -m "added Node.js" -a "lucassantossilva" 19ea207619d8 lucassantossilva/ubuntu-nodejs
sha256:b775864b36ddcb8f4cd237a916998aa319d7bc7cb96a14828b20cf337902c32a
lucas@lucas-vmwarevirtualplatform:~$ docker images
REPOSITORY      TAG         IMAGE ID      CREATED        SIZE
lucassantossilva/ubuntu-nodejs   latest      b775864b36dd  About a minute ago  205MB
hello-world      latest      9c7a54a9a43c  30 hours ago      13.3kB
ubuntu           latest      3b418d7b466a  10 days ago       77.8MB
lucas@lucas-vmwarevirtualplatform:~$ docker login -u lucassantossilva
Password:
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/auth": dial unix /var/run/docker.sock: connect: permission denied
lucas@lucas-vmwarevirtualplatform:~$ sudo docker login -u lucassantossilva
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
lucas@lucas-vmwarevirtualplatform:~$ docker push lucassantossilva/ubuntu-nodejs
Using default tag: latest
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/images/lucassantossilva/ubuntu-nodejs/push?tag=latest": dial unix /var/run/docker.sock: connect: permission denied
lucas@lucas-vmwarevirtualplatform:~$ sudo docker push lucassantossilva/ubuntu-nodejs
Using default tag: latest
The push refers to repository [docker.io/lucassantossilva/ubuntu-nodejs]
e0492dda737c: Pushed
b8a36d10656a: Mounted from library/ubuntu
latest: digest: sha256:9053581d41272fd5ee3f8f55b16d5d3dcfd33ddfad3de49daf1ae484962c198 size: 741
lucas@lucas-vmwarevirtualplatform:~$
```

Imagem no docker hub

