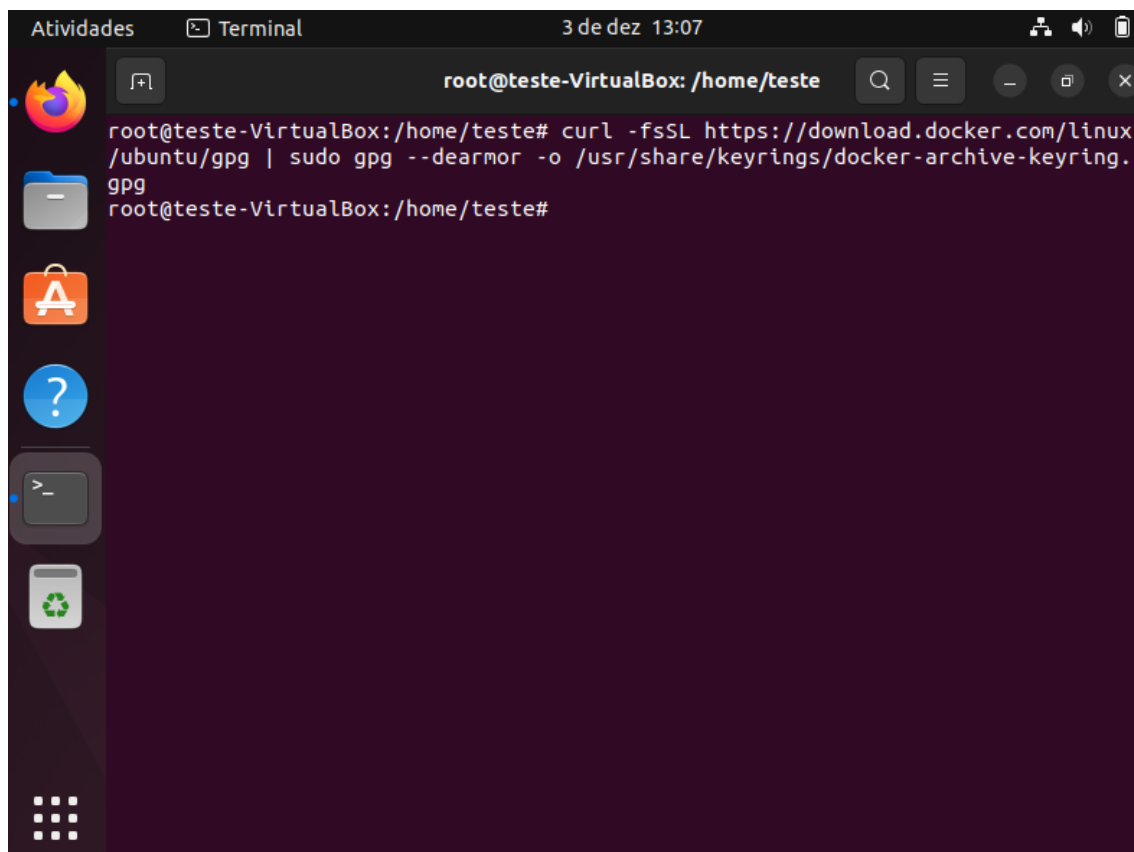


Instalação do Docker no ubuntu

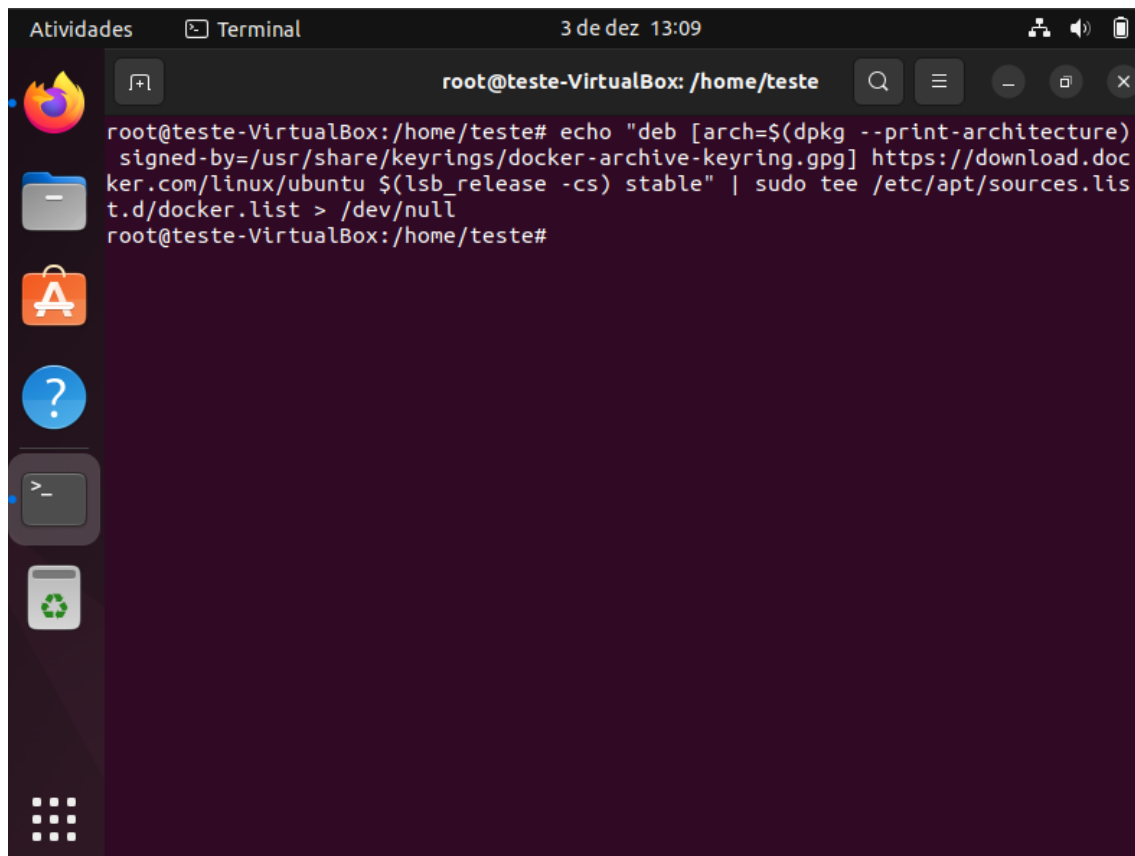
Primeiro precisamos instalar os pacote necessários para a instalação do docker:

- `sudo apt update`
- `sudo apt install apt-transport-https ca-certificates curl software-properties-common`

A screenshot of a terminal window titled "Terminal" with a timestamp of "3 de dez 13:07". The terminal shows the user "root@teste-VirtualBox" in the directory "/home/teste". The command entered is `curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo gpg --dearmor -o /usr/share/keyrings/docker-archive-keyring.gpg`. The output shows the command being executed and the keyring file being created. The terminal window has a sidebar on the left with icons for "Atividades", "Terminal", and other system utilities.

```
root@teste-VirtualBox: /home/teste
root@teste-VirtualBox:/home/teste# curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo gpg --dearmor -o /usr/share/keyrings/docker-archive-keyring.gpg
root@teste-VirtualBox:/home/teste#
```

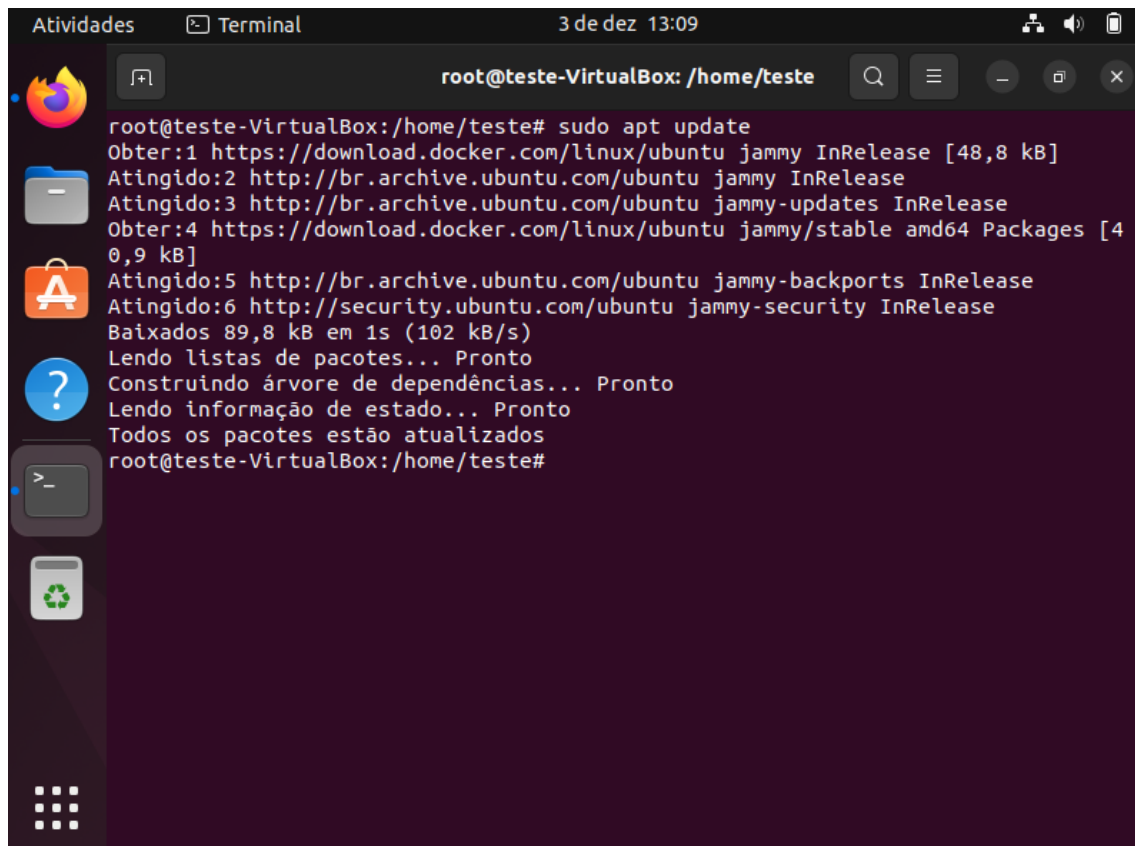
Adicione a chave GPG para o repositório oficial do Docker no sistema com o comando acima.



A terminal window titled "Terminal" with the date and time "3 de dez 13:09". The prompt is "root@teste-VirtualBox: /home/teste". The command entered is: `echo "deb [arch=$(dpkg --print-architecture) signed-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`. The output shows the command being executed and the prompt returning.

```
root@teste-VirtualBox: /home/teste# echo "deb [arch=$(dpkg --print-architecture) signed-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
root@teste-VirtualBox: /home/teste#
```

Adicione o repositório do Docker às fontes do APT.



A terminal window titled "Terminal" with the date and time "3 de dez 13:09". The prompt is "root@teste-VirtualBox: /home/teste". The command entered is: `sudo apt update`. The output shows the progress of the update, including downloading package lists and constructing the dependency tree.

```
root@teste-VirtualBox: /home/teste# sudo apt update
Obter:1 https://download.docker.com/linux/ubuntu jammy InRelease [48,8 kB]
Atingido:2 http://br.archive.ubuntu.com/ubuntu jammy InRelease
Atingido:3 http://br.archive.ubuntu.com/ubuntu jammy-updates InRelease
Obter:4 https://download.docker.com/linux/ubuntu jammy/stable amd64 Packages [40,9 kB]
Atingido:5 http://br.archive.ubuntu.com/ubuntu jammy-backports InRelease
Atingido:6 http://security.ubuntu.com/ubuntu jammy-security InRelease
Baixados 89,8 kB em 1s (102 kB/s)
Lendo listas de pacotes... Pronto
Construindo árvore de dependências... Pronto
Lendo informação de estado... Pronto
Todos os pacotes estão atualizados
root@teste-VirtualBox: /home/teste#
```

Atualize o banco de dados dos pacotes com o novos adicionados do Docker.

```
Atividades Terminal 3 de dez 13:10
root@teste-VirtualBox: /home/teste

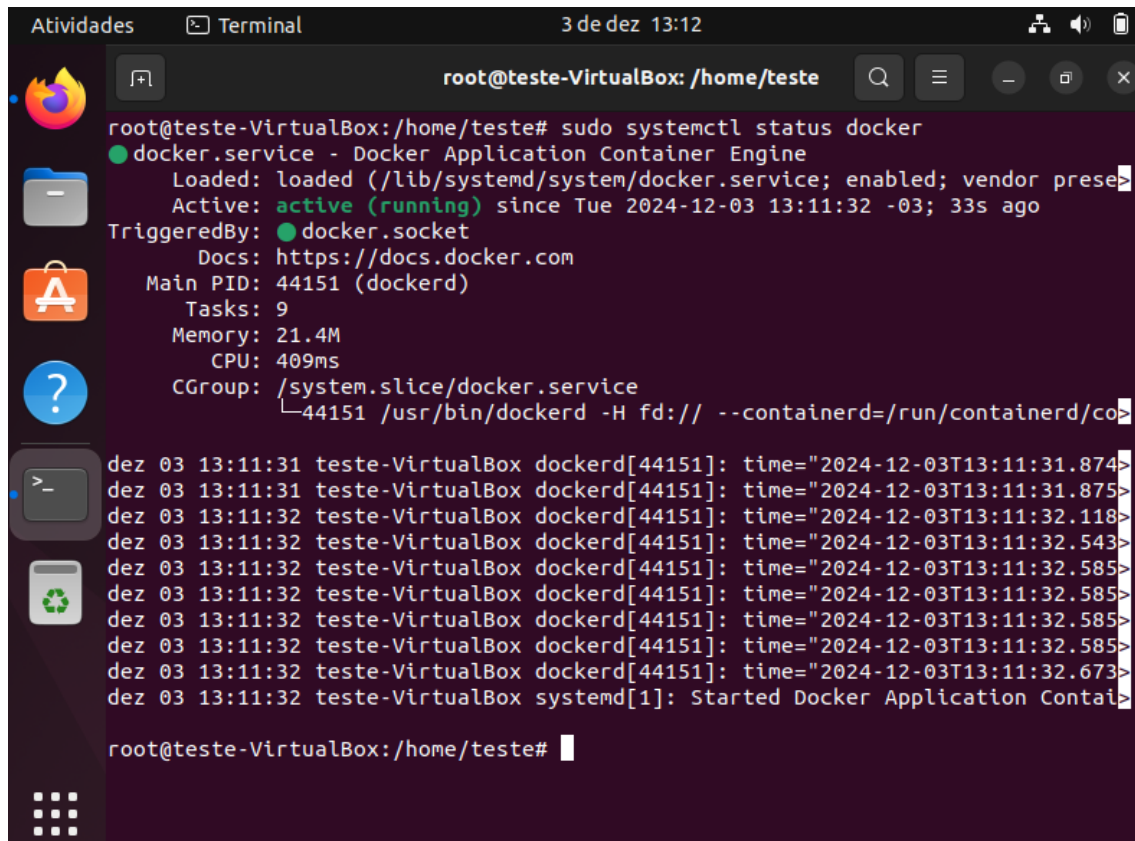
root@teste-VirtualBox:/home/teste# apt-cache policy docker-ce
docker-ce:
  Instalado: (nenhum)
  Candidato: 5:27.3.1-1~ubuntu.22.04~jammy
  Tabela de versão:
    5:27.3.1-1~ubuntu.22.04~jammy 500
      500 https://download.docker.com/linux/ubuntu jammy/stable amd64 Package
    5:27.3.0-1~ubuntu.22.04~jammy 500
      500 https://download.docker.com/linux/ubuntu jammy/stable amd64 Package
    5:27.2.1-1~ubuntu.22.04~jammy 500
      500 https://download.docker.com/linux/ubuntu jammy/stable amd64 Package
    5:27.2.0-1~ubuntu.22.04~jammy 500
      500 https://download.docker.com/linux/ubuntu jammy/stable amd64 Package
    5:27.1.2-1~ubuntu.22.04~jammy 500
      500 https://download.docker.com/linux/ubuntu jammy/stable amd64 Package
    5:27.1.1-1~ubuntu.22.04~jammy 500
      500 https://download.docker.com/linux/ubuntu jammy/stable amd64 Package
    5:27.1.0-1~ubuntu.22.04~jammy 500
      500 https://download.docker.com/linux/ubuntu jammy/stable amd64 Package
    5:27.0.3-1~ubuntu.22.04~jammy 500
      500 https://download.docker.com/linux/ubuntu jammy/stable amd64 Package
```

Tenha certeza de que está instalando o repositório do Docker ao invés do padrão do ubuntu.

```
Atividades Terminal 3 de dez 13:10
root@teste-VirtualBox: /home/teste

root@teste-VirtualBox:/home/teste# sudo apt install docker-ce
Lendo listas de pacotes... Pronto
Construindo árvore de dependências... Pronto
Lendo informação de estado... Pronto
Os seguintes pacotes foram instalados automaticamente e já não são necessários:
  libwpe-1.0-1 libwpebackend-fdo-1.0-1
Utilize 'sudo apt autoremove' para os remover.
Os pacotes adicionais seguintes serão instalados:
  containerd.io docker-buildx-plugin docker-ce-cli docker-ce-rootless-extras
  docker-compose-plugin git git-man liberror-perl libslirp0 pigz slirp4netns
Pacotes sugeridos:
  aufs-tools cgroupfs-mount | cgroup-lite git-daemon-run
  | git-daemon-sysvinit git-doc git-email git-gui gitk gitweb git-cvs
  git-mediawiki git-svn
Os NOVOS pacotes a seguir serão instalados:
  containerd.io docker-buildx-plugin docker-ce docker-ce-cli
  docker-ce-rootless-extras docker-compose-plugin git git-man liberror-perl
  libslirp0 pigz slirp4netns
0 pacotes atualizados, 12 pacotes novos instalados, 0 a serem removidos e 0 não
atualizados.
É preciso baixar 127 MB de arquivos.
Depois desta operação, 463 MB adicionais de espaço em disco serão usados.
Você quer continuar? [S/n]
```

Agora instale o Docker com o comando acima.

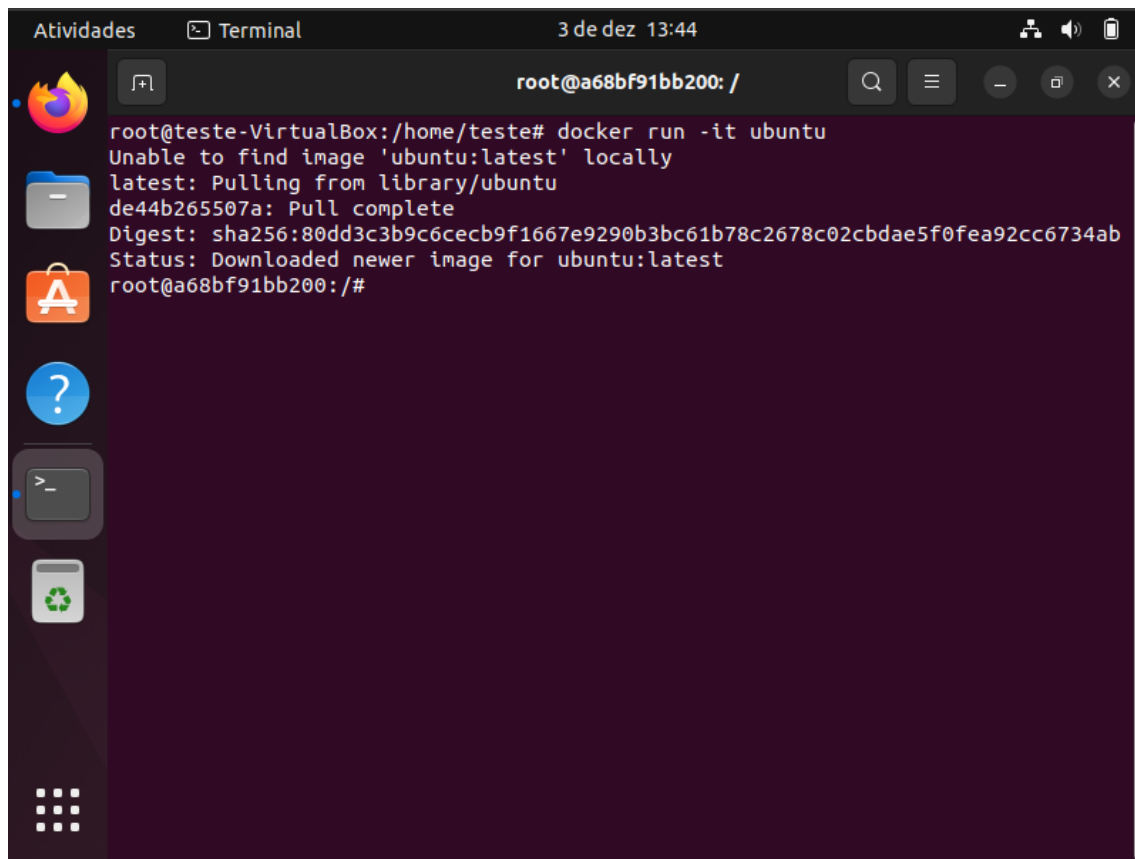
A terminal window titled 'Terminal' with a date and time of '3 de dez 13:12'. The prompt is 'root@teste-VirtualBox: /home/teste'. The command 'sudo systemctl status docker' has been executed, showing the status of the 'docker.service'. The output indicates that the service is 'active (running)' and has been running since 'Tue 2024-12-03 13:11:32 -03; 33s ago'. Below this, there are several lines of logs showing the service starting, including timestamps and the command 'systemd[1]: Started Docker Application Contai'. The terminal window also shows a sidebar with various icons like a folder, a terminal, and a search icon.

```
root@teste-VirtualBox: /home/teste# sudo systemctl status docker
● docker.service - Docker Application Container Engine
   Loaded: loaded (/lib/systemd/system/docker.service; enabled; vendor prese>
   Active: active (running) since Tue 2024-12-03 13:11:32 -03; 33s ago
     TriggeredBy: ● docker.socket
        Docs: https://docs.docker.com
      Main PID: 44151 (dockerd)
         Tasks: 9
        Memory: 21.4M
           CPU: 409ms
      CGroup: /system.slice/docker.service
             └─44151 /usr/bin/dockerd -H fd:// --containerd=/run/containerd/co>

dez 03 13:11:31 teste-VirtualBox dockerd[44151]: time="2024-12-03T13:11:31.874>
dez 03 13:11:31 teste-VirtualBox dockerd[44151]: time="2024-12-03T13:11:31.875>
dez 03 13:11:32 teste-VirtualBox dockerd[44151]: time="2024-12-03T13:11:32.118>
dez 03 13:11:32 teste-VirtualBox dockerd[44151]: time="2024-12-03T13:11:32.543>
dez 03 13:11:32 teste-VirtualBox dockerd[44151]: time="2024-12-03T13:11:32.585>
dez 03 13:11:32 teste-VirtualBox dockerd[44151]: time="2024-12-03T13:11:32.585>
dez 03 13:11:32 teste-VirtualBox dockerd[44151]: time="2024-12-03T13:11:32.585>
dez 03 13:11:32 teste-VirtualBox dockerd[44151]: time="2024-12-03T13:11:32.585>
dez 03 13:11:32 teste-VirtualBox dockerd[44151]: time="2024-12-03T13:11:32.673>
dez 03 13:11:32 teste-VirtualBox systemd[1]: Started Docker Application Contai>

root@teste-VirtualBox: /home/teste#
```

O comando acima mostra que o serviço está ativo.



The image shows a terminal window titled "Terminal" with the date and time "3 de dez 13:44". The terminal prompt is "root@a68bf91bb200: /". The user has entered the command "docker run -it ubuntu". The output shows that the image "ubuntu:latest" was not found locally, so it was pulled from the library. The pull is complete, and the digest is "sha256:80dd3c3b9c6cecb9f1667e9290b3bc61b78c2678c02cbdae5f0fea92cc6734ab". The status is "Downloaded newer image for ubuntu:latest". The terminal prompt is now "root@a68bf91bb200: /#".

```
root@teste-VirtualBox:/home/teste# docker run -it ubuntu
Unable to find image 'ubuntu:latest' locally
latest: Pulling from library/ubuntu
de44b265507a: Pull complete
Digest: sha256:80dd3c3b9c6cecb9f1667e9290b3bc61b78c2678c02cbdae5f0fea92cc6734ab
Status: Downloaded newer image for ubuntu:latest
root@a68bf91bb200: /#
```

Agora você pode executar o Docker e trabalhar dentro dele.