```
Fetched 24.5 MB in 8s (2986 kB/s)
Reading package lists...
Removing intermediate container 8dca470ae065
 ---> 156f77f0723b
Step 4/4 : RUN apt-get install -y nginx
 ---> Running in 863357e493dc
Reading package lists...
Building dependency tree...
Reading state information...
The following additional packages will be installed:
  fontconfig-config fonts-dejavu-core iproute2 libatm1 libbpf0 libbrotli1
  libbsd0 libcap2-bin libdeflate0 libelf1 libexpat1 libfontconfig1
  libfreetype6 libgd3 libicu70 libjbig0 libjpeg-turbo8 libjpeg8 libmaxminddb0
  libmd0 libmnl0 libnginx-mod-http-geoip2 libnginx-mod-http-image-filter
  libnginx-mod-http-xslt-filter libnginx-mod-mail libnginx-mod-stream
  libnginx-mod-stream-geoip2 libpam-cap libpng16-16 libtiff5 libwebp7 libx11-6
  libx11-data libxau6 libxcb1 libxdmcp6 libxml2 libxpm4 libxslt1.1
  libxtables12 nginx-common nginx-core ucf
Suggested packages:
  iproute2-doc libgd-tools mmdb-bin fcgiwrap nginx-doc ssl-cert
The following NEW packages will be installed:
  fontconfig-config fonts-dejavu-core iproute2 libatm1 libbpf0 libbrotli1
  libbsd0 libcap2-bin libdeflate0 libelf1 libexpat1 libfontconfig1
  libfreetype6 libgd3 libicu70 libjbig0 libjpeg-turbo8 libjpeg8 libmaxminddb0
  libmd0 libmnl0 libnginx-mod-http-geoip2 libnginx-mod-http-image-filter
  libnginx-mod-http-xslt-filter libnginx-mod-mail libnginx-mod-stream
  libnginx-mod-stream-geoip2 libpam-cap libpng16-16 libtiff5 libwebp7 libx11-6
  libx11-data libxau6 libxcb1 libxdmcp6 libxml2 libxpm4 libxslt1.1
  libxtables12 nginx nginx-common nginx-core ucf
0 upgraded, 44 newly installed, 0 to remove and 5 not upgraded.
Need to get 17.5 MB of archives.
After this operation, 56.4 MB of additional disk space will be used.
Get:1 http://archive.ubuntu.com/ubuntu jammy/main amd64 libelf1 amd64 0.186-1build1 [51.0 kB]
Get:2 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 libbpf0 amd64 1:0.5.0-1ubuntu22.04.1 [140 kB]
Get:3 http://archive.ubuntu.com/ubuntu jammy/main amd64 libmd0 amd64 1.0.4-1build1 [23.0 kB]
Get:4 http://archive.ubuntu.com/ubuntu jammy/main amd64 libbsd0 amd64 0.11.5-1 [44.8 kB]
Get:5 http://archive.ubuntu.com/ubuntu jammy/main amd64 libmnl0 amd64 1.0.4-3build2 [13.2 kB]
Get:6 http://archive.ubuntu.com/ubuntu jammy/main amd64 libxtables12 amd64 1.8.7-1ubuntu5 [31.2 kB]
Get:7 http://archive.ubuntu.com/ubuntu jammy/main amd64 libcap2-bin amd64 1:2.44-1build3 [26.0 kB]
Get:8 http://archive.ubuntu.com/ubuntu jammy/main amd64 iproute2 amd64 5.15.0-1ubuntu2 [1070 kB]
Get:9 http://archive.ubuntu.com/ubuntu jammy/main amd64 libatm1 amd64 1:2.5.1-4build2 [22.8 kB]
```

```
etting up nginx-core (1.18.0-6ubuntu14.3) ...
nvoke-rc.d: could not determine current runlevel
nvoke-rc.d: policy-rc.d denied execution of start.
etting up nginx (1.18.0-6ubuntu14.3) ...
rocessing triggers for libc-bin (2.35-0ubuntu3.1) ...
emoving intermediate container 863357e493dc
 ---> 8eaad15d7a34
uccessfully built 8eaad15d7a34
uccessfully tagged nginx:latest
bimael@Abimael-escola:~$ sudo docker images
EPOSITORY    TAG       IMAGE ID       CREATED         SIZE
ginx         latest    8eaad15d7a34   7 seconds ago   173MB
ginx         <none>    448a08f1d2f9   2 weeks ago     142MB
buntu        latest    3b418d7b466a   3 weeks ago     77.8MB
bimael@Abimael-escola:~$ ^[[200~sudo docker run -d -p 8080:80 nginx /usr/sbin/nginx -g
udo: comando não encontrado
bimael@Abimael-escola:~$ sudo docker run -d -p 8080:80 nginx /usr/sbin/nginx -g
3e13e5b7fa5515be65bae88ed177df40376c5f4d59dbeb362fe8e4cfe6f5a7f
bimael@Abimael-escola:~$ curl -IL http://localhost:8080
url: (7) Failed to connect to localhost port 8080 after 3 ms: Conexão recusada
bimael@Abimael-escola:~$ sudo docker run -d -p 8080:80 nginx /usr/sbin/nginx -g "daemon off;"
93248b52fbff1ca31dbc731699837f502916aa20bd4f11396a7d68e92b65db8
bimael@Abimael-escola:~$ curl -IL http://localhost:8080
TTP/1.1 200 OK
erver: nginx/1.18.0 (Ubuntu)
ate: Mon, 22 May 2023 23:50:51 GMT
ontent-Type: text/html
ontent-Length: 612
ast-Modified: Mon, 22 May 2023 23:46:13 GMT
onnection: keep-alive
Tag: "646bfec5-264"
ccept-Ranges: bytes

bimael@Abimael-escola:~$ docker-compose
omando 'docker-compose' não encontrado, mas poder ser instalado com:
udo snap install docker          # version 20.10.24, or
udo snap install docker          # version 20.10.17
udo apt  install docker-compose  # version 1.29.2-1
eja 'snap info <snapname>' para versões adicionais.
bimael@Abimael-escola:~$ sudo apt install docker-compose
sudo] senha para abimael:
endo listas de pacotes... Pronto
onstruindo árvore de dependências... Pronto
endo informação de estado... Pronto
s pacotes adicionais seguintes serão instalados:
 python3-attr python3-certifi python3-distutils python3-docker
 python3-dockerpty python3-docopt python3-dotenv python3-idna
 python3-jsonschema python3-lib2to3 python3-pyrsistent python3-requests
 python3-setuptools python3-texttable python3-websocket
acotes sugeridos:
 python-attr-doc python-jsonschema-doc python3-json-pointer
 python3-rfc3987 python3-uritemplate python3-webcolors python3-openssl
 python3-socks python-requests-doc python-setuptools-doc
s NOVOS pacotes a seguir serão instalados:
```

```
abimael@Abimael-escola:~$ curl -IL http://localhost:8080
HTTP/1.1 200 OK
Server: nginx/1.18.0 (Ubuntu)
Date: Mon, 22 May 2023 23:50:51 GMT
Content-Type: text/html
Content-Length: 612
Last-Modified: Mon, 22 May 2023 23:46:13 GMT
Connection: keep-alive
ETag: "646bfec5-264"
Accept-Ranges: bytes

abimael@Abimael-escola:~$ docker-compose
Comando 'docker-compose' não encontrado, mas poder ser instalado com:
sudo snap install docker          # version 20.10.24, or
sudo snap install docker          # version 20.10.17
sudo apt  install docker-compose  # version 1.29.2-1
Veja 'snap info <snapname>' para versões adicionais.
abimael@Abimael-escola:~$ sudo apt install docker-compose
[sudo] senha para abimael:
Lendo listas de pacotes... Pronto
Construindo árvore de dependências... Pronto
Lendo informação de estado... Pronto
Os pacotes adicionais seguintes serão instalados:
  python3-attr python3-certifi python3-distutils python3-docker
  python3-dockerpty python3-docopt python3-dotenv python3-idna
  python3-jsonschema python3-lib2to3 python3-pyrsistent python3-requests
  python3-setuptools python3-texttable python3-websocket
Pacotes sugeridos:
  python-attr-doc python-jsonschema-doc python3-json-pointer
  python3-rfc3987 python3-uritemplate python3-webcolors python3-openssl
  python3-socks python-requests-doc python-setuptools-doc
Os NOVOS pacotes a seguir serão instalados:
  docker-compose python3-attr python3-certifi python3-distutils
  python3-docker python3-dockerpty python3-docopt python3-dotenv
  python3-idna python3-jsonschema python3-lib2to3 python3-pyrsistent
  python3-requests python3-setuptools python3-texttable python3-websocket
0 pacotes atualizados, 16 pacotes novos instalados, 0 a serem removidos e 39 não atualizados.
É preciso baixar 1.269 kB de arquivos.
Depois desta operação, 6.378 kB adicionais de espaço em disco serão usados.
Você quer continuar? [S/n] s
Obter:1 http://br.archive.ubuntu.com/ubuntu kinetic/main amd64 python3-lib2to3 all 3.10.7-1 [77,5 kB]
Obter:2 http://br.archive.ubuntu.com/ubuntu kinetic/main amd64 python3-distutils all 3.10.7-1 [139 kB]
Obter:3 http://br.archive.ubuntu.com/ubuntu kinetic/main amd64 python3-certifi all 2022.6.15-2 [156 kB]
Obter:4 http://br.archive.ubuntu.com/ubuntu kinetic/main amd64 python3-idna all 3.3-1 [49,3 kB]
Obter:5 http://br.archive.ubuntu.com/ubuntu kinetic/main amd64 python3-requests all 2.27.1+dfsg-1ubuntu2 [50
Obter:6 http://br.archive.ubuntu.com/ubuntu kinetic/universe amd64 python3-websocket all 1.2.3-1 [34,7 kB]
Obter:7 http://br.archive.ubuntu.com/ubuntu kinetic/universe amd64 python3-docker all 5.0.3-1 [89,3 kB]
Obter:8 http://br.archive.ubuntu.com/ubuntu kinetic/universe amd64 python3-dockerpty all 0.4.1-4 [11,5 kB]
Obter:9 http://br.archive.ubuntu.com/ubuntu kinetic/universe amd64 python3-docopt all 0.6.2-4 [26,9 kB]
Obter:10 http://br.archive.ubuntu.com/ubuntu kinetic/universe amd64 python3-dotenv all 0.20.0-1 [20,3 kB]
Obter:11 http://br.archive.ubuntu.com/ubuntu kinetic/main amd64 python3-attr all 22.1.0-1 [48,5 kB]
Obter:12 http://br.archive.ubuntu.com/ubuntu kinetic-updates/main amd64 python3-setuptools all 59.6.0-1.2ubu
Obter:13 http://br.archive.ubuntu.com/ubuntu kinetic/main amd64 python3-pyrsistent amd64 0.18.1-1build1 [55,
Obter:14 http://br.archive.ubuntu.com/ubuntu kinetic/main amd64 python3-jsonschema all 4.6.0-3ubuntu1 [63,6
```

```
Configurando python3-docker (5.0.3-1) ...
Configurando docker-compose (1.29.2-2) ...
A processar 'triggers' para man-db (2.10.2-2) ...
abimael@Abimael-escola:~$ docker-compose
Define and run multi-container applications with Docker.

Usage:
  docker-compose [-f <arg>...] [--profile <name>...] [options] [--] [COMMAND] [ARGS...]
  docker-compose -h|--help

Options:
  -f, --file FILE             Specify an alternate compose file
                              (default: docker-compose.yml)
  -p, --project-name NAME     Specify an alternate project name
                              (default: directory name)
  --profile NAME              Specify a profile to enable
  -c, --context NAME          Specify a context name
  --verbose                   Show more output
  --log-level LEVEL           Set log level (DEBUG, INFO, WARNING, ERROR, CRITICAL)
  --ansi (never|always|auto)  Control when to print ANSI control characters
  --no-ansi                   Do not print ANSI control characters (DEPRECATED)
  -v, --version               Print version and exit
  -H, --host HOST             Daemon socket to connect to

  --tls                       Use TLS; implied by --tlsverify
  --tlscacert CA_PATH         Trust certs signed only by this CA
  --tlscert CLIENT_CERT_PATH  Path to TLS certificate file
  --tlskey TLS_KEY_PATH       Path to TLS key file
  --tlsverify                 Use TLS and verify the remote
  --skip-hostname-check       Don't check the daemon's hostname against the
                              name specified in the client certificate
  --project-directory PATH    Specify an alternate working directory
                              (default: the path of the Compose file)
  --compatibility             If set, Compose will attempt to convert keys
                              in v3 files to their non-Swarm equivalent (DEPRECATED)
  --env-file PATH             Specify an alternate environment file

Commands:
  build          Build or rebuild services
  config         Validate and view the Compose file
  create         Create services
  down           Stop and remove resources
  events         Receive real time events from containers
  exec           Execute a command in a running container
  help           Get help on a command
  images         List images
```

```
 unpause             unpause services
 up                  Create and start containers
 version             Show version information and quit
abimael@Abimael-escola:~$ docker-compose up
ERROR:
        Can't find a suitable configuration file in this directory or any
        parent. Are you in the right directory?

        Supported filenames: docker-compose.yml, docker-compose.yaml, compose.yml, compose.yaml

abimael@Abimael-escola:~$ snap install dbeaver-ce
dbeaver-ce 23.0.5.202305211610 de DBeaver (dbeaver-corp) instalado
abimael@Abimael-escola:~$ git clone https://github.com/jdaarevalo/docker_postgres_with_data.git
Cloning into 'docker_postgres_with_data'...
remote: Enumerating objects: 47, done.
remote: Counting objects: 100% (47/47), done.
remote: Compressing objects: 100% (40/40), done.
remote: Total 47 (delta 13), reused 22 (delta 1), pack-reused 0
Receiving objects: 100% (47/47), 4.53 MiB | 195.00 KiB/s, done.
Resolving deltas: 100% (13/13), done.
abimael@Abimael-escola:~$ docker-compose up
ERROR:
        Can't find a suitable configuration file in this directory or any
        parent. Are you in the right directory?

        Supported filenames: docker-compose.yml, docker-compose.yaml, compose.yml, compose.yaml

abimael@Abimael-escola:~$ ls
'Área de Trabalho'            Documentos   Modelos   snap
 Dockerfile                   Downloads    Música    Vídeos
 docker_postgres_with_data    Imagens      Público
abimael@Abimael-escola:~$ cd docker_postgres_with_data
abimael@Abimael-escola:~/docker_postgres_with_data$ docker-compose up
Traceback (most recent call last):
  File "/usr/lib/python3/dist-packages/urllib3/connectionpool.py", line 704, in urlopen
    httplib_response = self._make_request(
  File "/usr/lib/python3/dist-packages/urllib3/connectionpool.py", line 399, in _make_request
    conn.request(method, url, **httplib_request_kw)
  File "/usr/lib/python3.10/http/client.py", line 1282, in request
    self._send_request(method, url, body, headers, encode_chunked)
  File "/usr/lib/python3.10/http/client.py", line 1328, in _send_request
    self.endheaders(body, encode_chunked=encode_chunked)
  File "/usr/lib/python3.10/http/client.py", line 1277, in endheaders
    self._send_output(message_body, encode_chunked=encode_chunked)
  File "/usr/lib/python3.10/http/client.py", line 1037, in _send_output
    self.send(msg)
  File "/usr/lib/python3.10/http/client.py", line 975, in send
    self.connect()
  File "/usr/lib/python3/dist-packages/docker/transport/unixconn.py", line 30, in connect
    sock.connect(self.unix_socket)
PermissionError: [Errno 13] Permission denied

During handling of the above exception, another exception occurred:

Traceback (most recent call last):
```

```
  File "/usr/lib/python3/dist-packages/docker/api/client.py", line 221, in _retrieve_server_version
    raise DockerException(
docker.errors.DockerException: Error while fetching server API version: ('Connection aborted.', PermissionErro
'))
abimael@Abimael-escola:~/docker_postgres_with_data$ sudo docker-compose up
Creating network "docker_postgres_with_data_default" with the default driver
Pulling postgres (postgres:10.5)...
10.5: Pulling from library/postgres
f17d81b4b692: Pull complete
c1f213be5edb: Pull complete
9c79723dc510: Pull complete
603a66804109: Pull complete
b4f1b901e523: Pull complete
99d9650419de: Pull complete
02d87bb25bad: Pull complete
333a24caa91e: Pull complete
9cab7935ece2: Pull complete
5977bf28967d: Pull complete
74ddd26cf783: Pull complete
07b76fcb42dd: Pull complete
7da7962ee038: Pull complete
0ddc5f8e0873: Pull complete
Digest: sha256:e19acdab213d6318565a6da5fb824ca5161e99fe63dbc37036557aacb35fae51
Status: Downloaded newer image for postgres:10.5
Creating docker_postgres_with_data_postgres_1 ... done
Attaching to docker_postgres_with_data_postgres_1
postgres_1  | The files belonging to this database system will be owned by user "postgres".
postgres_1  | This user must also own the server process.
postgres_1  |
postgres_1  | The database cluster will be initialized with locale "en_US.utf8".
postgres_1  | The default database encoding has accordingly been set to "UTF8".
postgres_1  | The default text search configuration will be set to "english".
postgres_1  |
postgres_1  | Data page checksums are disabled.
postgres_1  |
postgres_1  | fixing permissions on existing directory /var/lib/postgresql/data ... ok
postgres_1  | creating subdirectories ... ok
postgres_1  | selecting default max_connections ... 100
postgres_1  | selecting default shared_buffers ... 128MB
postgres_1  | selecting dynamic shared memory implementation ... posix
postgres_1  | creating configuration files ... ok
postgres_1  | running bootstrap script ... ok
postgres_1  | performing post-bootstrap initialization ... ok
postgres_1  | syncing data to disk ... ok
postgres_1  |
postgres_1  | WARNING: enabling "trust" authentication for local connections
postgres_1  | You can change this by editing pg_hba.conf or using the option -A, or
postgres_1  | --auth-local and --auth-host, the next time you run initdb.
postgres_1  |
postgres_1  | Success. You can now start the database server using:
```

```
postgres_1  | CREATE TABLE
postgres_1  | CREATE TABLE
postgres_1  | CREATE TABLE
postgres_1  | CREATE TABLE
postgres_1  | CREATE TABLE
postgres_1  |
postgres_1  |
postgres_1  | /usr/local/bin/docker-entrypoint.sh: running /docker-entrypoint-initdb.d/fill_tables.s
postgres_1  | SET
postgres_1  | SET
postgres_1  | SET
postgres_1  | SET
postgres_1  | SET
postgres_1  | SET
postgres_1  | SET
postgres_1  | SET
postgres_1  | SET
postgres_1  | CREATE EXTENSION
postgres_1  | INSERT 0 100
postgres_1  | INSERT 0 100
postgres_1  | INSERT 0 30
postgres_1  | INSERT 0 100
postgres_1  | INSERT 0 100
postgres_1  | INSERT 0 5
postgres_1  | INSERT 0 100
postgres_1  | INSERT 0 100
postgres_1  |
postgres_1  |
postgres_1  | 2023-05-30 00:40:24.513 UTC [41] LOG:  received fast shutdown request
postgres_1  | waiting for server to shut down....2023-05-30 00:40:24.515 UTC [41] LOG:  aborting any
postgres_1  | 2023-05-30 00:40:24.519 UTC [41] LOG:  worker process: logical replication launcher (P
postgres_1  | 2023-05-30 00:40:24.520 UTC [43] LOG:  shutting down
postgres_1  | 2023-05-30 00:40:24.624 UTC [41] LOG:  database system is shut down
postgres_1  |  done
postgres_1  | server stopped
postgres_1  |
postgres_1  | PostgreSQL init process complete; ready for start up.
postgres_1  |
postgres_1  | 2023-05-30 00:40:24.724 UTC [1] LOG:  listening on IPv4 address "0.0.0.0", port 5432
postgres_1  | 2023-05-30 00:40:24.724 UTC [1] LOG:  listening on IPv6 address "::", port 5432
postgres_1  | 2023-05-30 00:40:24.728 UTC [1] LOG:  listening on Unix socket "/var/run/postgresql/.s
postgres_1  | 2023-05-30 00:40:24.750 UTC [68] LOG:  database system was shut down at 2023-05-30 00:4
postgres_1  | 2023-05-30 00:40:24.766 UTC [1] LOG:  database system is ready to accept connections
y
^CGracefully stopping... (press Ctrl+C again to force)
Stopping docker_postgres_with_data_postgres_1 ... done
abimael@Abimael-escola:~/docker_postgres_with_data$ sudo docker-compose up -d
Starting docker_postgres_with_data_postgres_1 ... done
abimael@Abimael-escola:~/docker_postgres_with_data$ sudo docker-compose up -d
[sudo] senha para abimael:
docker_postgres_with_data_postgres_1 is up-to-date
abimael@Abimael-escola:~/docker_postgres_with_data$ sudo docker-compose up
docker_postgres_with_data_postgres_1 is up-to-date
Attaching to docker_postgres_with_data_postgres_1
postgres_1  | The files belonging to this database system will be owned by user "postgres".
postgres_1  | This user must also own the server process.
postgres_1  |
```

```
postgres_1  | CREATE TABLE
postgres_1  | CREATE TABLE
postgres_1  | CREATE TABLE
postgres_1  | CREATE TABLE
postgres_1  | CREATE TABLE
postgres_1  | CREATE TABLE
postgres_1  | CREATE TABLE
postgres_1  |
postgres_1  |
postgres_1  | /usr/local/bin/docker-entrypoint.sh: running /docker-entrypoint-initdb.d/fill_tables.sql
postgres_1  | SET
postgres_1  | SET
postgres_1  | SET
postgres_1  | SET
postgres_1  | SET
postgres_1  | SET
postgres_1  | SET
postgres_1  | SET
postgres_1  | SET
postgres_1  | CREATE EXTENSION
postgres_1  | INSERT 0 100
postgres_1  | INSERT 0 100
postgres_1  | INSERT 0 30
postgres_1  | INSERT 0 100
postgres_1  | INSERT 0 100
postgres_1  | INSERT 0 5
postgres_1  | INSERT 0 100
postgres_1  | INSERT 0 100
postgres_1  |
postgres_1  |
postgres_1  | 2023-05-30 00:40:24.513 UTC [41] LOG:  received fast shutdown request
postgres_1  | waiting for server to shut down....2023-05-30 00:40:24.515 UTC [41] LOG:  aborting any active transactions
postgres_1  | 2023-05-30 00:40:24.519 UTC [41] LOG:  worker process: logical replication launcher (PID 48) exited with exit cod
postgres_1  | 2023-05-30 00:40:24.520 UTC [43] LOG:  shutting down
postgres_1  | 2023-05-30 00:40:24.624 UTC [41] LOG:  database system is shut down
postgres_1  |  done
postgres_1  | server stopped
postgres_1  |
postgres_1  | PostgreSQL init process complete; ready for start up.
postgres_1  |
postgres_1  | 2023-05-30 00:40:24.724 UTC [1] LOG:  listening on IPv4 address "0.0.0.0", port 5432
postgres_1  | 2023-05-30 00:40:24.724 UTC [1] LOG:  listening on IPv6 address "::", port 5432
postgres_1  | 2023-05-30 00:40:24.728 UTC [1] LOG:  listening on Unix socket "/var/run/postgresql/.s.PGSQL.5432"
postgres_1  | 2023-05-30 00:40:24.750 UTC [68] LOG:  database system was shut down at 2023-05-30 00:40:24 UTC
postgres_1  | 2023-05-30 00:40:24.766 UTC [1] LOG:  database system is ready to accept connections
postgres_1  | 2023-05-30 00:42:56.645 UTC [1] LOG:  received smart shutdown request
postgres_1  | 2023-05-30 00:42:56.691 UTC [1] LOG:  worker process: logical replication launcher (PID 74) exited with exit code
postgres_1  | 2023-05-30 00:42:56.699 UTC [69] LOG:  shutting down
postgres_1  | 2023-05-30 00:42:56.745 UTC [1] LOG:  database system is shut down
postgres_1  | 2023-05-30 00:43:11.968 UTC [1] LOG:  listening on IPv4 address "0.0.0.0", port 5432
```