Erinaldo Teixeira
telemática

```
db_1    |
db_1    | initdb: warning: enabling "trust" authentication for local connections
db_1    | initdb: hint: You can change this by editing pg_hba.conf or using the option -A, or --auth-local and --auth-host, the next time you r
un initdb.
db_1    | waiting for server to start....2023-12-07 00:13:26.494 UTC [48] LOG:  starting PostgreSQL 16.1 (Debian 16.1-1.pgdg120+1) on x86_64-pc
-linux-gnu, compiled by gcc (Debian 12.2.0-14) 12.2.0, 64-bit
db_1    | 2023-12-07 00:13:26.495 UTC [48] LOG:  listening on Unix socket "/var/run/postgresql/.s.PGSQL.5432"
db_1    | 2023-12-07 00:13:26.500 UTC [51] LOG:  database system was shut down at 2023-12-07 00:13:26 UTC
db_1    | 2023-12-07 00:13:26.506 UTC [48] LOG:  database system is ready to accept connections
db_1    |  done
db_1    | server started
db_1    | CREATE DATABASE
db_1    |
db_1    |
db_1    | /usr/local/bin/docker-entrypoint.sh: ignoring /docker-entrypoint-initdb.d/*
db_1    |
db_1    | 2023-12-07 00:13:26.724 UTC [48] LOG:  received fast shutdown request
db_1    | waiting for server to shut down....2023-12-07 00:13:26.725 UTC [48] LOG:  aborting any active transactions
db_1    | 2023-12-07 00:13:26.728 UTC [48] LOG:  background worker "logical replication launcher" (PID 54) exited with exit code 1
db_1    | 2023-12-07 00:13:26.729 UTC [49] LOG:  shutting down
db_1    | 2023-12-07 00:13:26.730 UTC [49] LOG:  checkpoint starting: shutdown immediate
db_1    | 2023-12-07 00:13:26.768 UTC [49] LOG:  checkpoint complete: wrote 923 buffers (5.6%); 0 WAL file(s) added, 0 removed, 0 recycled; wri
te=0.024 s, sync=0.012 s, total=0.039 s; sync files=301, longest=0.001 s, average=0.001 s; distance=4257 kB, estimate=4257 kB; lsn=0/1913070,
redo lsn=0/1913070
db_1    | 2023-12-07 00:13:26.775 UTC [48] LOG:  database system is shut down
db_1    |  done
db_1    | server stopped
db_1    |
db_1    | PostgreSQL init process complete; ready for start up.
db_1    |
db_1    | 2023-12-07 00:13:26.851 UTC [1] LOG:  starting PostgreSQL 16.1 (Debian 16.1-1.pgdg120+1) on x86_64-pc-linux-gnu, compiled by gcc (Deb
ian 12.2.0-14) 12.2.0, 64-bit
db_1    | 2023-12-07 00:13:26.852 UTC [1] LOG:  listening on IPv4 address "0.0.0.0", port 5432
db_1    | 2023-12-07 00:13:26.852 UTC [1] LOG:  listening on IPv6 address "::", port 5432
db_1    | 2023-12-07 00:13:26.853 UTC [1] LOG:  listening on Unix socket "/var/run/postgresql/.s.PGSQL.5432"
db_1    | 2023-12-07 00:13:26.858 UTC [64] LOG:  database system was shut down at 2023-12-07 00:13:26 UTC
db_1    | 2023-12-07 00:13:26.864 UTC [1] LOG:  database system is ready to accept connections
```

**aluno@aluno-Inspiron-3443**:**~**$ git --version
git version 2.34.1
**aluno@aluno-Inspiron-3443**:**~**$ su -
Senha:
root@aluno-Inspiron-3443:~# nano
root@aluno-Inspiron-3443:~# nano docker-compose.yml
root@aluno-Inspiron-3443:~# ls
docker-compose.yml  **Dockerfile  snap**
root@aluno-Inspiron-3443:~# mkdir web-content
root@aluno-Inspiron-3443:~# nannols
nannols: comando não encontrado
root@aluno-Inspiron-3443:~# ls
docker-compose.yml  **Dockerfile  snap  web-content**
root@aluno-Inspiron-3443:~# cd web-content/
root@aluno-Inspiron-3443:~/web-content# ls
root@aluno-Inspiron-3443:~/web-content# nano teste.html
root@aluno-Inspiron-3443:~/web-content# ls
teste.html
root@aluno-Inspiron-3443:~/web-content# cdc ..
O comando 'cdc' não foi encontrado, mas existem 24 semelhantes.
root@aluno-Inspiron-3443:~/web-content# cd ..
root@aluno-Inspiron-3443:~# ls
docker-compose.yml  **Dockerfile  snap  web-content**
root@aluno-Inspiron-3443:~# docker-compose up
Comando 'docker-compose' não encontrado, mas poder ser instalado com:
snap install docker         # version 20.10.24, or
apt  install docker-compose  # version 1.29.2-1

Veja 'snap info docker' para versões adicionais.
root@aluno-Inspiron-3443:~# apt install docker-compose
Lendo listas de pacotes... Pronto
Construindo árvore de dependências... Pronto
Lendo informação de estado... Pronto
Os pacotes adicionais seguintes serão instalados:
  python3-attr python3-distutils python3-docker python3-dockerpty
  python3-docopt python3-dotenv python3-jsonschema python3-pyrsistent
  python3-setuptools python3-texttable python3-websocket
Pacotes sugeridos:
  python-attr-doc python-jsonschema-doc python-setuptools-doc
Pacotes recomendados:
  docker.io
Os NOVOS pacotes a seguir serão instalados:
  docker-compose python3-attr python3-distutils python3-docker
  python3-dockerpty python3-docopt python3-dotenv python3-jsonschema
  python3-pyrsistent python3-setuptools python3-texttable python3-websocket
0 pacotes atualizados, 12 pacotes novos instalados, 0 a serem removidos e 6 não atualizados.
É preciso baixar 911 kB de arquivos.
Depois desta operação, 4.841 kB adicionais de espaço em disco serão usados.
Você quer continuar? [S/n] s
Obter:1 http://br.archive.ubuntu.com/ubuntu jammy-updates/main amd64 python3-distutils all 3.10.8-1~22.04 [139 kB]
Obter:2 http://br.archive.ubuntu.com/ubuntu jammy/universe amd64 python3-websocket all 1.2.3-1 [34,7 kB]
Obter:3 http://br.archive.ubuntu.com/ubuntu jammy/universe amd64 python3-docker all 5.0.3-1 [89,3 kB]
Obter:4 http://br.archive.ubuntu.com/ubuntu jammy/universe amd64 python3-dockerpty all 0.4.1-2 [11,1 kB]
Obter:5 http://br.archive.ubuntu.com/ubuntu jammy/universe amd64 python3-docopt all 0.6.2-4 [26,9 kB]
Obter:6 http://br.archive.ubuntu.com/ubuntu jammy/universe amd64 python3-dotenv all 0.19.2-1 [20,5 kB]
Obter:7 http://br.archive.ubuntu.com/ubuntu jammy/main amd64 python3-attr all 21.2.0-1 [44,0 kB]
Obter:8 http://br.archive.ubuntu.com/ubuntu jammy-updates/main amd64 python3-setuptools all 59.6.0-1.2ubuntu0.22.04.1 [339 kB]
Obter:9 http://br.archive.ubuntu.com/ubuntu jammy/main amd64 python3-pyrsistent amd64 0.18.1-1build1 [55,5 kB]
Obter:10 http://br.archive.ubuntu.com/ubuntu jammy/main amd64 python3-jsonschema all 3.2.0-0ubuntu2 [43,1 kB]
Obter:11 http://br.archive.ubuntu.com/ubuntu jammy/universe amd64 python3-texttable all 1.6.4-1 [11,4 kB]
Obter:12 http://br.archive.ubuntu.com/ubuntu jammy/universe amd64 docker-compose all 1.29.2-1 [95,8 kB]
Baixados 911 kB em 2s (451 kB/s)
A seleccionar pacote anteriormente não seleccionado python3-distutils.

(Lendo banco de dados ... 208789 ficheiros e directórios actualmente instalados.
)
A preparar para desempacotar .../00-python3-distutils_3.10.8-1~22.04_all.deb ...
A descompactar python3-distutils (3.10.8-1~22.04) ...
A seleccionar pacote anteriormente não seleccionado python3-websocket.
A preparar para desempacotar .../01-python3-websocket_1.2.3-1_all.deb ...
A descompactar python3-websocket (1.2.3-1) ...
A seleccionar pacote anteriormente não seleccionado python3-docker.
A preparar para desempacotar .../02-python3-docker_5.0.3-1_all.deb ...
A descompactar python3-docker (5.0.3-1) ...
A seleccionar pacote anteriormente não seleccionado python3-dockerpty.
A preparar para desempacotar .../03-python3-dockerpty_0.4.1-2_all.deb ...
A descompactar python3-dockerpty (0.4.1-2) ...
A seleccionar pacote anteriormente não seleccionado python3-docopt.
A preparar para desempacotar .../04-python3-docopt_0.6.2-4_all.deb ...
A descompactar python3-docopt (0.6.2-4) ...
A seleccionar pacote anteriormente não seleccionado python3-dotenv.
A preparar para desempacotar .../05-python3-dotenv_0.19.2-1_all.deb ...
A descompactar python3-dotenv (0.19.2-1) ...
A seleccionar pacote anteriormente não seleccionado python3-attr.
A preparar para desempacotar .../06-python3-attr_21.2.0-1_all.deb ...
A descompactar python3-attr (21.2.0-1) ...
A seleccionar pacote anteriormente não seleccionado python3-setuptools.
A preparar para desempacotar .../07-python3-setuptools_59.6.0-1.2ubuntu0.22.04.1
_all.deb ...
A descompactar python3-setuptools (59.6.0-1.2ubuntu0.22.04.1) ...
A seleccionar pacote anteriormente não seleccionado python3-pyrsistent:amd64.
A preparar para desempacotar .../08-python3-pyrsistent_0.18.1-1build1_amd64.deb
...
A descompactar python3-pyrsistent:amd64 (0.18.1-1build1) ...
A seleccionar pacote anteriormente não seleccionado python3-jsonschema.
A preparar para desempacotar .../09-python3-jsonschema_3.2.0-0ubuntu2_all.deb ..
.
A descompactar python3-jsonschema (3.2.0-0ubuntu2) ...
A seleccionar pacote anteriormente não seleccionado python3-texttable.
A preparar para desempacotar .../10-python3-texttable_1.6.4-1_all.deb ...
A descompactar python3-texttable (1.6.4-1) ...
A seleccionar pacote anteriormente não seleccionado docker-compose.
A preparar para desempacotar .../11-docker-compose_1.29.2-1_all.deb ...
A descompactar docker-compose (1.29.2-1) ...
Configurando python3-dotenv (0.19.2-1) ...
Configurando python3-distutils (3.10.8-1~22.04) ...
Configurando python3-attr (21.2.0-1) ...
Configurando python3-texttable (1.6.4-1) ...
Configurando python3-docopt (0.6.2-4) ...
Configurando python3-setuptools (59.6.0-1.2ubuntu0.22.04.1) ...
Configurando python3-pyrsistent:amd64 (0.18.1-1build1) ...
Configurando python3-websocket (1.2.3-1) ...

```
Configurando python3-dockerpty (0.4.1-2) ...
Configurando python3-docker (5.0.3-1) ...
Configurando python3-jsonschema (3.2.0-0ubuntu2) ...
Configurando docker-compose (1.29.2-1) ...
A processar 'triggers' para man-db (2.10.2-1) ...
root@aluno-Inspiron-3443:~# docker-compose up
Creating network "root_mynetwork" with driver "bridge"
Creating volume "root_pgdata" with default driver
Pulling db (postgres:latest)...
latest: Pulling from library/postgres
1f7ce2fa46ab: Already exists
f2a11de1a8b0: Pull complete
5e6f9a8cd0bf: Pull complete
7419e1190e2e: Pull complete
8f39b869c008: Pull complete
b194e21d762e: Pull complete
ea4833c75f4e: Pull complete
587dfa1ea7d7: Pull complete
5358f267a946: Pull complete
68825fc4f7a3: Pull complete
761743441961: Pull complete
c34ae0fdc6ad: Pull complete
a3e3aea10a5c: Pull complete
Digest:
sha256:6dfee32131933ab4ca25a00360c3f427fdc134de56f9a90c6c9a4956b48aea85
Status: Downloaded newer image for postgres:latest
Creating root_web_1 ... done
Creating root_db_1  ... done
Attaching to root_db_1, root_web_1
db_1   | The files belonging to this database system will be owned by user "postgres".
db_1   | This user must also own the server process.
db_1   |
db_1   | The database cluster will be initialized with locale "en_US.utf8".
db_1   | The default database encoding has accordingly been set to "UTF8".
db_1   | The default text search configuration will be set to "english".
db_1   |
db_1   | Data page checksums are disabled.
db_1   |
db_1   | fixing permissions on existing directory /var/lib/postgresql/data ... ok
db_1   | creating subdirectories ... ok
db_1   | selecting dynamic shared memory implementation ... posix
db_1   | selecting default max_connections ... 100
db_1   | selecting default shared_buffers ... 128MB
db_1   | selecting default time zone ... Etc/UTC
db_1   | creating configuration files ... ok
root_web_1 exited with code 0
db_1   | running bootstrap script ... ok
db_1   | performing post-bootstrap initialization ... ok
```

db_1    | syncing data to disk ... ok
db_1    |
db_1    |
db_1    | Success. You can now start the database server using:
db_1    |
db_1    |     pg_ctl -D /var/lib/postgresql/data -l logfile start
db_1    |
db_1    | initdb: warning: enabling "trust" authentication for local connections
db_1    | initdb: hint: You can change this by editing pg_hba.conf or using the option -A, or --auth-local and --auth-host, the next time you run initdb.
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db_1    |  done
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db_1    | CREATE DATABASE
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db_1    |
db_1    | /usr/local/bin/docker-entrypoint.sh: ignoring /docker-entrypoint-initdb.d/*
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db_1    | 2023-12-07 00:13:26.724 UTC [48] LOG:  received fast shutdown request
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db_1    | 2023-12-07 00:13:26.728 UTC [48] LOG:  background worker "logical replication launcher" (PID 54) exited with exit code 1
db_1    | 2023-12-07 00:13:26.729 UTC [49] LOG:  shutting down
db_1    | 2023-12-07 00:13:26.730 UTC [49] LOG:  checkpoint starting: shutdown immediate
db_1    | 2023-12-07 00:13:26.768 UTC [49] LOG:  checkpoint complete: wrote 923 buffers (5.6%); 0 WAL file(s) added, 0 removed, 0 recycled; write=0.024 s, sync=0.012 s, total=0.039 s; sync files=301, longest=0.001 s, average=0.001 s; distance=4257 kB, estimate=4257 kB; lsn=0/1913070, redo lsn=0/1913070
db_1    | 2023-12-07 00:13:26.775 UTC [48] LOG:  database system is shut down
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db_1    | 2023-12-07 00:13:26.864 UTC [1] LOG:  database system is ready to accept connections