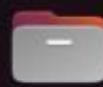




Docker en SO de tipo Linux



ubuntu1@ubuntu1-VirtualBox: ~



```
ubuntu1@ubuntu1-VirtualBox:~$ docker --version  
Docker version 24.0.7, build afdd53b  
ubuntu1@ubuntu1-VirtualBox:~$
```

```
ubuntu1@ubuntu1-VirtualBox:~$ docker --version
```

```
Docker version 24.0.7, build afdd53b
```

```
ubuntu1@ubuntu1-VirtualBox:~$ docker container run hello-world
```

```
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:
```

```
ubuntu1@ubuntu1-VirtualBox:~$ docker pull hello-world
```

```
Using default tag: latest
```

```
latest: Pulling from library/hello-world
```

```
Digest: sha256:88ec0acaa3ec199d3b7eaf73588f4518c25f9d34f58ce9a0df68429c5af48
```

```
Status: Image is up to date for hello-world:latest
```

```
docker.io/library/hello-world:latest
```

```
ubuntu1@ubuntu1-VirtualBox:~$
```

ubuntu1@ubuntu1-VirtualBox: ~

```
ubuntu1@ubuntu1-VirtualBox:~$ docker container ls
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
--------------	-------	---------	---------	--------	-------	-------

```
ubuntu1@ubuntu1-VirtualBox:~$ docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
--------------	-------	---------	---------	--------	-------	-------

```
ubuntu1@ubuntu1-VirtualBox:~$ docker container ls -a
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS
PORTS	NAMES			

ebc591c7bb6a	hello-world	"/hello"	14 minutes ago	Exited (0) 14 minutes ago
--------------	-------------	----------	----------------	---------------------------

be7e6c086ea6	hello-world	"/hello"	23 hours ago	Exited (0) 23 hours ago
--------------	-------------	----------	--------------	-------------------------

f3354960777d	hello-world	"/hello"	23 hours ago	Exited (0) 23 hours ago
--------------	-------------	----------	--------------	-------------------------

```
ubuntu1@ubuntu1-VirtualBox:~$
```

ubuntu1@ubuntu1-VirtualBox: ~

```
ubuntu1@ubuntu1-VirtualBox:~$ docker container ls
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
--------------	-------	---------	---------	--------	-------	-------

```
ubuntu1@ubuntu1-VirtualBox:~$ docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
--------------	-------	---------	---------	--------	-------	-------

```
ubuntu1@ubuntu1-VirtualBox:~$ docker container ls -a
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS
ebc591c7bb6a	hello-world	"/hello"	14 minutes ago	Exited (0) 14 minutes ago
be7e6c086ea6	hello-world	"/hello"	23 hours ago	Exited (0) 23 hours ago
f3354960777d	hello-world	"/hello"	23 hours ago	Exited (0) 23 hours ago

```
ubuntu1@ubuntu1-VirtualBox:~$ docker container rm ebc
```

```
ebc
```

```
ubuntu1@ubuntu1-VirtualBox:~$ docker container ls -a
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS
be7e6c086ea6	hello-world	"/hello"	23 hours ago	Exited (0) 23 hours ago
f3354960777d	hello-world	"/hello"	23 hours ago	Exited (0) 23 hours ago

```
ubuntu1@ubuntu1-VirtualBox:~$
```

ubuntu1@ubuntu1-VirtualBox: ~

```
ubuntu1@ubuntu1-VirtualBox:~$ docker container ls -a
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
--------------	-------	---------	---------	--------	-------	-------

```
ubuntu1@ubuntu1-VirtualBox:~$
```

ubuntu1@ubuntu1-VirtualBox: ~

```
ubuntu1@ubuntu1-VirtualBox:~$ docker container ls -a
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
--------------	-------	---------	---------	--------	-------	-------

```
ubuntu1@ubuntu1-VirtualBox:~$ docker image ls
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
hello-world	latest	9c7a54a9a43c	6 months ago	13.3kB

```
ubuntu1@ubuntu1-VirtualBox:~$ docker image rm hellow-world
```

```
Error response from daemon: No such image: hellow-world:latest
```

```
ubuntu1@ubuntu1-VirtualBox:~$ docker image rm hellow-world
```

```
Error response from daemon: No such image: hellow-world:latest
```

```
ubuntu1@ubuntu1-VirtualBox:~$ docker image rm hello-world
```

```
Untagged: hello-world:latest
```

```
Untagged: hello-world@sha256:88ec0acaa3ec199d3b7eaf73588f4518c25f9d34f58ce9a0df68429c5af48e8d
```

```
Deleted: sha256:9c7a54a9a43cca047013b82af109fe963fde787f63f9e016fdc3384500c2823d
```

```
Deleted: sha256:01bb4fce3eb1b56b05adf99504dafd31907a5aadac736e36b27595c8b92f07f1
```

```
ubuntu1@ubuntu1-VirtualBox:~$
```

localhost

ubuntu1@ubuntu1-VirtualBox: ~

```
ubuntu1@ubuntu1-VirtualBox: ~$ docker container run docker/getting-started
```

```
Unable to find image 'docker/getting-started:latest' locally
```

```
latest: Pulling from docker/getting-started
```

```
c158987b0551: Pull complete
```

```
1e35f6679fab: Pull complete
```

```
cb9626c74200: Pull complete
```

```
b6334b6ace34: Pull complete
```

```
f1d1c9928c82: Pull complete
```

```
9b6f639ec6ea: Pull complete
```

```
ee68d3549ec8: Pull complete
```

```
33e0cbbb4673: Pull complete
```

```
4f7e34c2de10: Pull complete
```

```
Digest: sha256:d79336f4812b6547a53e735480dde67f8f8f7071b414fbd9297609ffb989abc1
```

```
Status: Downloaded newer image for docker/getting-started:latest
```

```
/docker-entrypoint.sh: /docker-entrypoint.d/ is not empty, will attempt to perform configuration
```

```
/docker-entrypoint.sh: Looking for shell scripts in /docker-entrypoint.d/
```

```
/docker-entrypoint.sh: Launching /docker-entrypoint.d/10-listen-on-ipv6-by-default.sh
```

```
10-listen-on-ipv6-by-default.sh: info: Getting the checksum of /etc/nginx/conf.d/default.conf
```

```
10-listen-on-ipv6-by-default.sh: info: Enabled listen on IPv6 in /etc/nginx/conf.d/default.conf
```

```
/docker-entrypoint.sh: Launching /docker-entrypoint.d/20-envsubst-on-templates.sh
```

```
/docker-entrypoint.sh: Launching /docker-entrypoint.d/30-tune-worker-processes.sh
```

```
/docker-entrypoint.sh: Configuration complete; ready for start up
```

```
2023/11/09 03:52:22 [notice] 1#1: using the "epoll" event method
```

```
2023/11/09 03:52:22 [notice] 1#1: nginx/1.23.3
```

localhost x +

v - [] X

ubuntu1@ubuntu1-VirtualBox: ~

[] [] [] [] []

```
/docker-entrypoint.sh: Launching /docker-entrypoint.d/30-tune-worker-processes.sh
/docker-entrypoint.sh: Configuration complete; ready for start up
2023/11/09 03:52:22 [notice] 1#1: using the "epoll" event method
2023/11/09 03:52:22 [notice] 1#1: nginx/1.23.3
2023/11/09 03:52:22 [notice] 1#1: built by gcc 12.2.1 20220924 (Alpine 12.2.1_git20220924-r4)
2023/11/09 03:52:22 [notice] 1#1: OS: Linux 6.2.0-36-generic
2023/11/09 03:52:22 [notice] 1#1: getrlimit(RLIMIT_NOFILE): 1048576:1048576
2023/11/09 03:52:22 [notice] 1#1: start worker processes
2023/11/09 03:52:22 [notice] 1#1: start worker process 30
2023/11/09 03:52:22 [notice] 1#1: start worker process 31
^C2023/11/09 03:54:34 [notice] 1#1: signal 2 (SIGINT) received, exiting
2023/11/09 03:54:34 [notice] 30#30: exiting
2023/11/09 03:54:34 [notice] 30#30: exit
2023/11/09 03:54:34 [notice] 31#31: exiting
2023/11/09 03:54:34 [notice] 31#31: exit
2023/11/09 03:54:34 [notice] 1#1: signal 17 (SIGCHLD) received from 30
2023/11/09 03:54:34 [notice] 1#1: worker process 30 exited with code 0
2023/11/09 03:54:34 [notice] 1#1: signal 29 (SIGIO) received
2023/11/09 03:54:34 [notice] 1#1: signal 17 (SIGCHLD) received from 31
2023/11/09 03:54:34 [notice] 1#1: worker process 31 exited with code 0
2023/11/09 03:54:34 [notice] 1#1: exit
```

```
ubuntu1@ubuntu1-VirtualBox:~$ docker container run -d docker/getting-started
```

```
cf07a1914423aa61c447e3eccb052a8b1467d5128d16e993684ca2b1e4a8c012
```

```
ubuntu1@ubuntu1-VirtualBox:~$
```

localhost x +

ubuntu1@ubuntu1-VirtualBox: ~

```
2023/11/09 03:52:22 [notice] 1#1: built by gcc 12.2.1 20220924 (Alpine 12.2.1_git20220924-r4)
```

```
2023/11/09 03:52:22 [notice] 1#1: OS: Linux 6.2.0-36-generic
```

```
2023/11/09 03:52:22 [notice] 1#1: getrlimit(RLIMIT_NOFILE): 1048576:1048576
```

```
2023/11/09 03:52:22 [notice] 1#1: start worker processes
```

```
2023/11/09 03:52:22 [notice] 1#1: start worker process 30
```

```
2023/11/09 03:52:22 [notice] 1#1: start worker process 31
```

```
^C2023/11/09 03:54:34 [notice] 1#1: signal 2 (SIGINT) received, exiting
```

```
2023/11/09 03:54:34 [notice] 30#30: exiting
```

```
2023/11/09 03:54:34 [notice] 30#30: exit
```

```
2023/11/09 03:54:34 [notice] 31#31: exiting
```

```
2023/11/09 03:54:34 [notice] 31#31: exit
```

```
2023/11/09 03:54:34 [notice] 1#1: signal 17 (SIGCHLD) received from 30
```

```
2023/11/09 03:54:34 [notice] 1#1: worker process 30 exited with code 0
```

```
2023/11/09 03:54:34 [notice] 1#1: signal 29 (SIGIO) received
```

```
2023/11/09 03:54:34 [notice] 1#1: signal 17 (SIGCHLD) received from 31
```

```
2023/11/09 03:54:34 [notice] 1#1: worker process 31 exited with code 0
```

```
2023/11/09 03:54:34 [notice] 1#1: exit
```

```
ubuntu1@ubuntu1-VirtualBox:~$ docker container run -d docker/getting-started
```

```
cf07a1914423aa61c447e3eccb052a8b1467d5128d16e993684ca2b1e4a8c012
```

```
ubuntu1@ubuntu1-VirtualBox:~$ docker container ls
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
cf07a1914423	docker/getting-started	"/docker-entrypoin...."	42 seconds ago	Up 41 seconds	80/tcp	heuristic_
arson						

```
ubuntu1@ubuntu1-VirtualBox:~$
```

localhost

ubuntu1@ubuntu1-VirtualBox: ~

```
ubuntu1@ubuntu1-VirtualBox:~$ docker container run -d -p 80:80 docker/getting-started
```

```
f3f9258a4063863a36b1c6359a0f133b0b6db13c0f7b6551fe2b8b5fa902459a
```

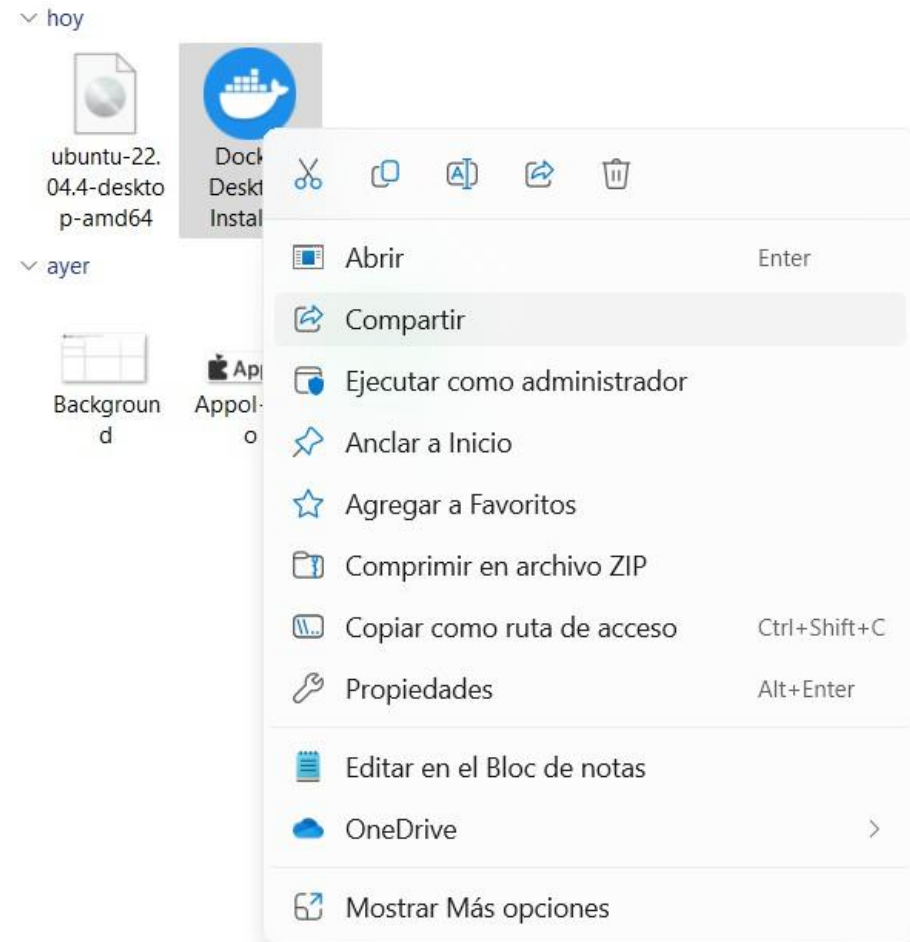
```
ubuntu1@ubuntu1-VirtualBox:~$ docker container ls
```

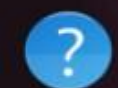
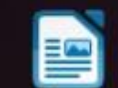
CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS
f3f9258a4063	docker/getting-started	"/docker-entripoint...."	10 seconds ago	Up 9 seconds	0.0.0.0:80->80/tcp, :::80->80/tcp
cf07a1914423	docker/getting-started	"/docker-entripoint...."	4 minutes ago	Up 4 minutes	80/tcp

```
ubuntu1@ubuntu1-VirtualBox:~$
```

Docker en WINDOWS

Descargado Docker,
se procede a dar
doble Clic y ejecutar
como administrador





Getting Started

The command you just ran

Congratulations! You have started the container for this tutorial! Let's first explain the command that you just ran. In case you forgot, here's the command:

```
docker run -d -p 80:80 docker/getting-started
```

You'll notice a few flags being used. Here's some more info on them:

- `-d` - run the container in detached mode (in the background)
- `-p 80:80` - map port 80 of the host to port 80 in the container
- `docker/getting-started` - the image to use

Pro tip

You can combine single character flags to shorten the full command. As an example, the command above could be written as:

```
docker run -dp 80:80 docker/getting-started
```

Table of contents

The command you just ran

The Docker Dashboard

What is a container?

What is a container image?

```
ubuntu1@ubuntu1-VirtualBox:~$ docker container run -dp 8080:80 docker/getting-started
51389dbc90074dbe0fa3587132b87efffeb851d27dbc2d2912b46819be9e7206
ubuntu1@ubuntu1-VirtualBox:~$ docker container ls
CONTAINER ID   IMAGE                                COMMAND                                CREATED        STATUS        PORTS
NAMES
51389dbc9007   docker/getting-started              "/docker-entripoint...."             11 seconds ago Up 10 seconds 0.0.0.0:8080->80/tcp,
:::8080->80/tcp  mystifying_williamson
cf07a1914423   docker/getting-started              "/docker-entripoint...."             11 minutes ago Up 10 minutes  80/tcp
                heuristic_carson
ubuntu1@ubuntu1-VirtualBox:~$
```

En esta ultima practica se muestran la creaci3n y ejecuci3n de dos im3genes con la denominaci3n de "GETTING-STARTED" la cual son una gu3a para trabajar Docker.

De esta manera queda habilitado desde una ip de entrada para los puertos de escucha

ubuntu1@ubuntu1-VirtualBox: ~

```
ubuntu1@ubuntu1-VirtualBox:~$ docker pull postgres
```

```
Using default tag: latest
```

```
latest: Pulling from library/postgres
```

```
578acb154839: Extracting [=====] 20.64MB/29.15MB
```

```
8a9a8dd839ec: Download complete
```

```
9a28d48e5d8f: Download complete
```

```
a98e37f54ea5: Download complete
```

```
7d200efb5208: Download complete
```

```
fe0ac8d1ec65: Download complete
```

```
85bf04d4b2a2: Download complete
```

```
b96ddf21ebd6: Download complete
```


```
b2983ba85293: Downloading [====>] 7.482MB/106.4MB
```

```
3cbe242a7b19: Download complete
```

```
0a1ff5212575: Download complete
```

```
f560313d0d85: Waiting
```

```
fd463ca121fb: Waiting
```

 Installing Docker Desktop 4.28.0 (139021)



Configuration

Add shortcut to desktop



Papelera de reciclaje



google Chrome



Visual Studio Code



GitHub



Git Bash



Adobe Acrobat

Installing Docker Desktop 4.28.0 (139021)

Docker Desktop 4.28.0

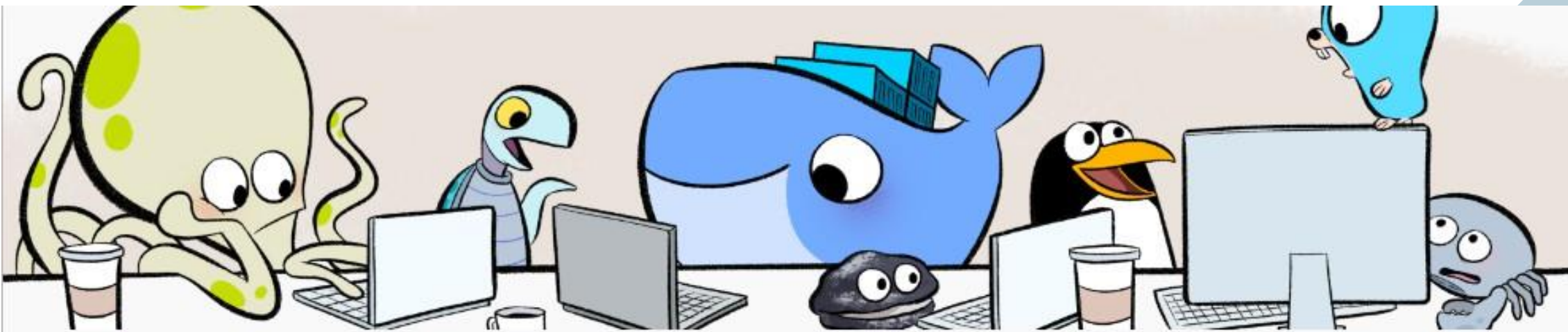
Unpacking files...

```
Unpacking file: frontend/resources/app.asar
Unpacking file: frontend/resources.pak
Unpacking file: frontend/locales/zh-TW.pak
Unpacking file: frontend/locales/zh-CN.pak
Unpacking file: frontend/locales/vi.pak
Unpacking file: frontend/locales/ur.pak
Unpacking file: frontend/locales/uk.pak
Unpacking file: frontend/locales/tr.pak
Unpacking file: frontend/locales/th.pak
Unpacking file: frontend/locales/te.pak
Unpacking file: frontend/locales/ta.pak
Unpacking file: frontend/locales/sw.pak
Unpacking file: frontend/locales/sv.pak
Unpacking file: frontend/locales/sr.pak
```

ASUS Vivobook

You must restart Windows to complete installation.

Close and restart



Docker Subscription Service Agreement

By selecting **accept**, you agree to the [Subscription Service Agreement](#), the [Docker Data Processing Agreement](#), and the [Data Privacy Policy](#).

Note: Docker Desktop is free for small businesses (fewer than 250 employees AND less than \$10 million in annual revenue), personal use, education, and non-commercial open source projects. Otherwise, it requires a paid subscription for professional use. Paid subscriptions are also required for government entities.

[Read the FAQ to learn more.](#)

[View Full Terms](#)



Accept

Close



Finish setting up Docker Desktop

version 4.28.0 (139021)

Complete the installation of Docker Desktop.

- Use recommended settings (requires administrator password)
Docker Desktop automatically sets the necessary configurations that work for most developers.
- Use advanced settings
You manually set your preferred configurations.

Finish



Welcome to Docker Desktop

Sign in to connect to your Docker Desktop subscription or access online features.

[Sign up](#)

Already have an account? [Sign in](#)

[Continue without signing in](#)



Welcome Survey

Step 1 of 2

What's your role?

- | | |
|--|---|
| <input type="radio"/> Full-stack developer | <input type="radio"/> Front-end developer |
| <input type="radio"/> Back-end developer | <input type="radio"/> Site reliability engineer |
| <input type="radio"/> Platform engineer | <input type="radio"/> DevOps specialist |
| <input type="radio"/> Infrastructure manager | <input type="radio"/> System administrator |
| <input type="radio"/> Security engineer | <input type="radio"/> Data scientist |
| <input type="radio"/> Product manager | <input type="radio"/> Teacher |
| <input checked="" type="radio"/> Student | <input type="radio"/> Other |



Welcome Survey

Step 2 of 2

What will you use Docker for?

Select all that apply

- | | |
|--|--|
| <input type="checkbox"/> Learning or teaching | <input type="checkbox"/> For work |
| <input checked="" type="checkbox"/> Deploying applications | <input type="checkbox"/> Inspect images |
| <input checked="" type="checkbox"/> Debugging images | <input type="checkbox"/> Local development |
| <input type="checkbox"/> Data science | <input checked="" type="checkbox"/> Hobby projects |
| <input type="checkbox"/> AI/ML | <input checked="" type="checkbox"/> Testing applications |
| <input type="checkbox"/> I don't know | <input type="checkbox"/> Other (specify) |

Back

Continue

docker desktop

Search for images, containers, volumes... **Ctrl+K**

Sign in

Containers [Give feedback](#)

Images

Volumes

Builds

Dev Environments **BETA**

Docker Scout

Extensions

Add Extensions

Your running containers show up here

A container is an isolated environment for your code

What is a container?
5 mins

```
1 FROM node
2 RUN mkdir -p
3 WORKDIR /app
4 COPY packa
```

How do I run a container?
6 mins

[View more in the Learning center](#)

Engine running

RAM 2.54 GB CPU 0.05% Not signed in

v4.28.0

Settings [Give feedback](#)

- General
- Resources
- Docker Engine
- Builders
- Kubernetes
- Software updates**
- Extensions
- Features in development
- Notifications

Software updates

You're up to date

Docker Desktop 4.28.0 (139021) is currently the newest version available.

[Check for updates](#)

[Release notes](#)

Preferences

- Automatically check for updates
- Always download updates
Automatically download new updates in background.

Cancel

Apply & restart

Símbolo del sistema

Microsoft Windows [Versión 10.0.22631.3296]
(c) Microsoft Corporation. Todos los derechos reservados.

```
C:\Users\luis_>docker --version  
Docker version 25.0.3, build 4debf41
```

```
C:\Users\luis_>|
```

Develop faster. Run anywhere.

Docker Hub is the world's easiest way to create, manage, and deliver your team's container applications.

ctrl+K

Spotlight

CLOUD DEVELOPMENT

Build up to 39x faster with Docker Build Cloud

Introducing Docker Build Cloud: A new solution to speed up build times and improve developer productivity



AI/ML DEVELOPMENT

LLM Everywhere: Docker and Hugging Face

Set up a local development environment for Hugging Face with Docker



SOFTWARE SUPPLY CHAIN

Take action on prioritized insights

Bridge the gap between development workflows and security needs



AI and Machine Learning



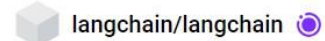
Official Docker images for the machine learning framework TensorFlow...

🌟 2.4K 📥 50M+



PyTorch is a deep learning framework that puts Python first.

🌟 935 📥 10M+



⚡ Building applications with LLMs through composability ⚡

🌟 72 📥 10K+



The easiest way to get up and running with large language models locally.

🌟 308 📥 1M+



postgres Docker Official Image · 1B+ · 10K+
The PostgreSQL object-relational database system provides reliability and data integrity.

```
docker pull postgres
```

Overview | Tags

Note: the description for this image is longer than the Hub length limit of 25000, so has been trimmed. The full description can be found at <https://github.com/docker-library/docs/tree/master/postgres/README.md>. See also [docker/hub-feedback#238](#) and [docker/roadmap#475](#).

Quick reference

- Maintained by: [the PostgreSQL Docker Community](#)
- Where to get help: [the Docker Community Slack](#), [Server Fault](#), [Unix & Linux](#), or [Stack Overflow](#)

Supported tags and respective Dockerfile links

Recent Tags

- alpine3.19 | alpine3.18 | alpine | 16.2-alpine3.19
- 16.2-alpine3.18 | 16.2-alpine | 16-alpine3.19
- 16-alpine3.18 | 16-alpine | 15.6-alpine3.19

About Official Images

Docker Official Images are a curated set of Docker open source and drop-in solution repositories.

Why Official Images?

These images have clear documentation, updates...

```
Símbolo del sistema
C:\Users\luis_>docker run postgres
Unable to find image 'postgres:latest' locally
latest: Pulling from library/postgres
8a1e25ce7c4f: Pull complete
002317ed8722: Pull complete
c223965bd9a8: Pull complete
847682431a68: Pull complete
8d29ba654727: Pull complete
fd133663e42b: Pull complete
13de11c6ecda: Pull complete
45bb35744214: Pull complete
d4082e63ce2c: Pull complete
269f33c511c1: Pull complete
7cbaf3c85093: Pull complete
f1c82efa0dcd: Pull complete
e9d0d3c40657: Pull complete
68bf5c580643: Pull complete
Digest: sha256:6b841c8f6a819884207402f1209a8116844365df15fca8cf556fc54a24c70800
Status: Downloaded newer image for postgres:latest
Error: Database is uninitialized and superuser password is not specified.
You must specify POSTGRES_PASSWORD to a non-empty value for the
superuser. For example, "-e POSTGRES_PASSWORD=password" on "docker run".

You may also use "POSTGRES_HOST_AUTH_METHOD=trust" to allow all
connections without a password. This is *not* recommended.

See PostgreSQL documentation about "trust":
https://www.postgresql.org/docs/current/auth-trust.html

C:\Users\luis_>
```

Docker run postgres

1. Descarga la versión más reciente
2. Descarga todas las capas de la imagen
3. El cifrado de seguridad de la imagen (sha256)
4. Descarga de imagen actualizada tag:latest
5. Imagen con configuración pendiente de variable de entorno (Revisar Documentación)

Note 2: If you set `POSTGRES_HOST_AUTH_METHOD` to `trust`, then `POSTGRES_PASSWORD` is not required.

Note 3: If you set this to an alternative value (such as `scram-sha-256`), you might need additional `POSTGRES_INITDB_ARGS` for the database to initialize correctly (such as `POSTGRES_INITDB_ARGS=--auth-host=scram-sha-256`).

PGDATA

Important Note: when mounting a volume to `/var/lib/postgresql`, the `/var/lib/postgresql/data` path is a local volume from the container runtime, thus data is not persisted on the mounted volume.

This optional variable can be used to define another location - like a subdirectory - for the database files. The default is `/var/lib/postgresql/data`. If the data volume you're using is a filesystem mountpoint (like with GCE persistent disks), or remote folder that cannot be chowned to the `postgres` user (like some NFS mounts), or contains folders/files (e.g. `lost+found`), Postgres `initdb` requires a subdirectory to be created within the mountpoint to contain the data.

For example:

```
$ docker run -d \  
  --name some-postgres \  
  -e POSTGRES_PASSWORD=mysecretpassword \  
  -e PGDATA=/var/lib/postgresql/data/pgdata \  
  -v /custom/mount:/var/lib/postgresql/data \  
  postgres
```

This is an environment variable that is not Docker specific. Because the variable is used by the `postgres` server binary (see the [PostgreSQL docs](#)), the `entrypoint` script takes it into account

https://hub.docker.com/_/postgres

```
Símbolo del sistema - docker x + v
8a1e25ce7c4f: Pull complete
002317ed8722: Pull complete
c223965bd9a8: Pull complete
847682431a68: Pull complete
8d29ba654727: Pull complete
fd133663e42b: Pull complete
13de11c6ecda: Pull complete
45bb35744214: Pull complete
d4082e63ce2c: Pull complete
269f33c511c1: Pull complete
7cbaf3c85093: Pull complete
f1c82efa0dcd: Pull complete
e9d0d3c40657: Pull complete
68bf5c580643: Pull complete
Digest: sha256:6b841c8f6a819884207402f1209a8116844365df1
Status: Downloaded newer image for postgres:latest
Error: Database is uninitialized and superuser password is not set
You must specify POSTGRES_PASSWORD to a non-empty value for the
superuser. For example, "-e POSTGRES_PASSWORD=password" will set
the 'postgres' superuser password to 'password'.

You may also use "POSTGRES_HOST_AUTH_METHOD=trust" to enable
connections without a password. This is *not* recommended.

See PostgreSQL documentation about "trust":
https://www.postgresql.org/docs/current/auth-trust.html

C:\Users\luis_> docker run -e POSTGRES_PASSWORD=password
The files belonging to this database system will be owned by root.
This user must also own the server process.

The database cluster will be initialized with locale "en_US.UTF-8".
The default database encoding has accordingly been set to "UTF8".
The default text search configuration will be set to "english".

Data page checksums are disabled.

fixing permissions on existing directory /var/lib/postgresql/13/main/
```

PRIMERA SOLUCION

```
docker run -e
POSTGRES_P
ASSWORD=p
assword
postgres
```

```
pg_ctl -D /var/lib/postgresql/data -l logfile start
```

```
initdb: warning: enabling "trust" authentication for local connections
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.
waiting for server to start...2024-03-31 16:31:08.820 UTC [48] LOG:  starting PostgreSQL 16.2 (Debian 16.2-1.pgdg120+2) on x86_64-pc-linux-gnu, compiled by gcc (Debian 12.2.0-14) 12.2.0, 64-bit
2024-03-31 16:31:08.824 UTC [48] LOG:  listening on Unix socket "/var/run/postgresql/.s.PGSQL.5432"
2024-03-31 16:31:08.834 UTC [51] LOG:  database system was shut down at 2024-03-31 16:31:07 UTC
2024-03-31 16:31:08.842 UTC [48] LOG:  database system is ready to accept connections
done
server started
```

```
/usr/local/bin/docker-entrypoint.sh: ignoring /docker-entrypoint-initdb.d/*
```

```
2024-03-31 16:31:08.968 UTC [48] LOG:  received fast shutdown request
waiting for server to shut down...2024-03-31 16:31:08.977 UTC [48] LOG:  aborting any active transactions
2024-03-31 16:31:08.982 UTC [48] LOG:  background worker "logical replication launcher" (PID 54) exited with exit code 1
2024-03-31 16:31:08.982 UTC [49] LOG:  shutting down
2024-03-31 16:31:08.986 UTC [49] LOG:  checkpoint starting: shutdown immediate
2024-03-31 16:31:09.005 UTC [49] LOG:  checkpoint complete: wrote 3 buffers (0.0%); 0 WAL file(s) added, 0 removed, 0 recycled; write=0.006 s, sync=0.003 s, total=0.024 s; sync files=2, longest=0.002 s, average=0.002 s; distance=0 kB, estimate=0 kB; lsn=0/14EAA70, redo lsn=0/14EAA70
2024-03-31 16:31:09.010 UTC [48] LOG:  database system is shut down
done
server stopped
```

IMAGEN EJECUTANDOSE EN PRIMER PLANO

```
PostgreSQL init process complete; ready for start up.
```

```
2024-03-31 16:31:09.118 UTC [1] LOG:  starting PostgreSQL 16.2 (Debian 16.2-1.pgdg120+2) on x86_64-pc-linux-gnu, compiled by gcc (Debian 12.2.0-14) 12.2.0, 64-bit
2024-03-31 16:31:09.120 UTC [1] LOG:  listening on IPv4 address "0.0.0.0", port 5432
2024-03-31 16:31:09.120 UTC [1] LOG:  listening on IPv6 address ":::", port 5432
2024-03-31 16:31:09.132 UTC [1] LOG:  listening on Unix socket "/var/run/postgresql/.s.PGSQL.5432"
2024-03-31 16:31:09.142 UTC [62] LOG:  database system was shut down at 2024-03-31 16:31:08 UTC
2024-03-31 16:31:09.150 UTC [1] LOG:  database system is ready to accept connections
```

```
Microsoft Windows [Versión 10.0.22631.3296]  
(c) Microsoft Corporation. Todos los derechos reservados
```

```
C:\Users\luis_>docker run -d -e POSTGRES_PASSWORD=fa6d9095ca33ed31c5893e1d1637110a13cd42be7da4902
```

```
C:\Users\luis_>docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED
postgres	latest	b9390dd1ea18	5 weeks ago

```
C:\Users\luis_>
```

SEGUNDA SOLUCION

Mediante (-d) , permite enviar al Segundo esta manera ejecuta la imagen y la p creada y disponible

```
docker run -d -e  
POSTGRES_PASSWORD=  
word postgres
```

Docker images

- Este comando permite listar todas las imágenes creadas con sus descripciones como nombre, versión, id imagen, fecha de creación y tamaño

Símbolo del sistema

Microsoft Windows [Versión 10.0.22631.3296]
(c) Microsoft Corporation. Todos los derechos reservados.

```
C:\Users\luis_>docker run -d -e POSTGRES_PASSWORD=password postgres  
fa6d9095ca33ed31c5893e1d1637110a13cd42be7da4902a031a0b4391be49c4
```

```
C:\Users\luis_>docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
postgres	latest	b9390dd1ea18	5 weeks ago	431MB

```
C:\Users\luis_>docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
fa6d9095ca33	postgres	"docker-entrypoint.s..."	5 minutes ago	Up 5 minutes	5432/tcp	stupefied_jackson

```
C:\Users\luis_>|
```

Docker ps

- Este comando permite listar todas los CONTENEDORES, con sus propiedades; para el contenedor se tiene su ID, que es su hash encriptado único, nombre de la imagen, el comando de CL, la fecha de creación, su estado (apagado, encendido), el puerto por donde escucha y el nombre del contenedor por defecto

Containers

Images

Volumes

Builds

 Dev Environments **BETA**

Docker Scout

Extensions

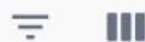
Add Extensions

Images [Give feedback](#)

Local Hub

431.41 MB / 0 Bytes in use 1 images

Last refresh: 38 minutes ago



<input type="checkbox"/>	Name	Tag	Status	Created	Size	Actions
<input type="checkbox"/>	postgres b9390dd1ea18	latest	In use	1 month ago	431.41 MB	

Showing 1 item

Walkthroughs

```
1 FROM node
2 RUN mkdir -p
3 WORKDIR /app
4 COPY packa
```

How do I run a container?

6 mins



Run Docker Hub images

5 mins

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Create



<input type="checkbox"/>	Name	Status	Created	Size	Actions
<input type="checkbox"/>	05e2df4e103572bf45f73776bef3f06a81f1ed0aa399edb1c6a23ab924102 in use		18 minutes ago	0 Bytes	
<input type="checkbox"/>	45fecc3a3399646c55d94af248e19e42f25e24f729701a731b8e03534c8b in use		33 minutes ago	0 Bytes	
<input type="checkbox"/>	b8f45e23e53190489144e2b4a65354546f4c113c9e1802dc265ac4ca0dd in use		13 minutes ago	0 Bytes	

Showing 3 items

Walkthroughs



Multi-container applications

8 mins



Persist your data between containers

3 mins

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Container CPU usage ⓘ

0.00% / 2000% (20 CPUs available)

Container memory usage ⓘ

30.77MB / 7.4GB

[Show charts](#)

Search



Only show running containers

<input type="checkbox"/>	Name	Image	Status	CPU (%)	Port(s)	Last start	Actions
<input type="checkbox"/>	tender_matsumoto d048566470bc	postgres	Exited (1)	0%		34 minutes	▶ ⋮ 🗑️
<input type="checkbox"/>	elastic_euclid 01c65d984ffc	postgres	Exited	0%		19 minutes	▶ ⋮ 🗑️
<input type="checkbox"/>	stupefied_jackson fa6d9095ca33	postgres	Running	0%		15 minutes	■ ⋮ 🗑️

Showing 3 items

Walkthroughs

Multi-container applications

8 mins

Containerize your application

`$ docker init`

3 mins

[View more in the Learning center](#)

```
Windows PowerShell
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Instale la versión más reciente de PowerShell para obtener nuevas características y mejoras. https://aka.ms/PSWindows

PS C:\Users\luis_> docker run -d -e POSTGRES_PASSWORD=password postgres:bullseye
Unable to find image 'postgres:bullseye' locally
bullseye: Pulling from library/postgres
c0edef2937fa: Pull complete
0c51a26b124a: Pull complete
fd41ba83b87f: Pull complete
37001e9852b5: Pull complete
98655014cf44: Pull complete
a99e9d9bedbd: Pull complete
53fb04d071e4: Pull complete
0740b0997d1e: Pull complete
9601275b1c85: Pull complete
540072fa7e28: Pull complete
2f4756c67dc3: Pull complete
b9008be03b38: Pull complete
7b14de76d8f1: Pull complete
779264b85b29: Pull complete
Digest: sha256:c52fc08e27b1400ace2ece2dc196ae6a17dbf436ff7633d1f88962ce3e15efad
Status: Downloaded newer image for postgres:bullseye
5f903b82fa61be321f07456bc710653c03d8c1296963d44c5d9e3d5847101a04
PS C:\Users\luis_> |
```

docker run -d -e POSTGRES_PASSWORD=password postgres:bullseye

```
Windows PowerShell
37001e9852b5: Pull complete
98655014cf44: Pull complete
a99e9d9bedbd: Pull complete
53fb04d071e4: Pull complete
0740b0997d1e: Pull complete
9601275b1c85: Pull complete
540072fa7e28: Pull complete
2f4756c67dc3: Pull complete
b9008be03b38: Pull complete
7b14de76d8f1: Pull complete
779264b85b29: Pull complete
Digest: sha256:c52fc08e27b1400ace2ece2dc196ae6a17dbf436ff7633d1f88962ce3e15efad
Status: Downloaded newer image for postgres:bullseye
5f903b82fa61be321f07456bc710653c03d8c1296963d44c5d9e3d5847101a04
PS C:\Users\luis_> docker images
REPOSITORY    TAG          IMAGE ID      CREATED      SIZE
postgres      latest      b9390dd1ea18  5 weeks ago  431MB
postgres      bullseye    44a3490f1a3c  5 weeks ago  400MB
PS C:\Users\luis_>
```



postgres Docker Official Image · 1B+ · 10K+
The PostgreSQL object-relational database system provides reliability and data integrity.

```
docker pull postgres
```

Copy

Overview **Tags**

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bull

X

Analyzed by docker scout

TAG

[bullseye](#)

Last pushed 18 days ago by [dojanky](#)

```
docker pull postgres:bullseye
```

Copy

Digest	OS/ARCH	Vulnerabilities	Compressed Size
ffb0e1b0cf1b	linux/386		140.84 MB
18d3f75567da	linux/amd64		138.24 MB
4358de1838e1	linux/arm/v5		131.49 MB

+5 more...

Docker tiene
soluciones para
instalar versiones
de imágenes sin
dificultad
`docker run -d -e
POSTGRES_PASSWORD=
ORD=password
postgres:bullseye`

```
Windows PowerShell
2f4756c67dc3: Pull complete
b9008be03b38: Pull complete
7b14de76d8f1: Pull complete
779264b85b29: Pull complete
Digest: sha256:c52fc08e27b1400ace2ece2dc196ae6a17dbf436ff7633d1f88962ce3e15efad
Status: Downloaded newer image for postgres:bullseye
5f903b82fa61be321f07456bc710653c03d8c1296963d44c5d9e3d5847101a04
PS C:\Users\luis_> docker images
REPOSITORY      TAG           IMAGE ID       CREATED        SIZE
postgres        latest       b9390dd1ea18   5 weeks ago   431MB
postgres        bullseye     44a3490f1a3c   5 weeks ago   400MB
PS C:\Users\luis_> docker ps
CONTAINER ID   IMAGE                COMMAND                  CREATED        STATUS
S             NAMES
5f903b82fa61  postgres:bullseye   "docker-entrypoint.s..." 9 minutes ago  Up 9 mi
/tcp        fervent_williamson
fa6d9095ca33  postgres            "docker-entrypoint.s..." 5 hours ago   Up 11 m
/tcp        stupefied_jackson
PS C:\Users\luis_> |
```

```
Windows PowerShell
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Instale la versión más reciente de PowerShell para obtener nuevas características y mejoras. https://aka.ms/PSWindows

PS C:\Users\luis_> docker run -d -e POSTGRES_PASSWORD=password --name bullseye_container_corhuila postgres:bullseye
81a9f4502b1021f99631aeb9332593e82d180436132bfe0c612ac8e07aaa7d91
PS C:\Users\luis_> docker ps
CONTAINER ID   IMAGE                COMMAND                  CREATED        STATUS        PORTS                NAMES
81a9f4502b10   postgres:bullseye   "docker-entrypoint.s..." 6 seconds ago  Up 5 seconds  5432/tcp             bullseye_container_corhuila
5f903b82fa61   postgres:bullseye   "docker-entrypoint.s..." 13 minutes ago  Up 13 minutes  5432/tcp             fervent_williamson
fa6d9095ca33   postgres            "docker-entrypoint.s..." 5 hours ago    Up 15 minutes  5432/tcp             stupefied_jackson
PS C:\Users\luis_> |
```

**docker run -d -e
POSTGRES_PASSWORD=password --name
bullseye_container_corhuila postgres:bullseye**

Con esta funcionalidad, estoy creando contenedores con nombre personalizado, tag versionado de una imagen

- Containers
- Images
- Volumes
- Builds
- Dev Environments BETA
- Docker Scout

Extensions

+ Add Extensions

Containers [Give feedback](#)

Container CPU usage ⓘ
0.02% / 2000% (20 CPUs available)

Container memory usage ⓘ
78.67MB / 7.4GB

[Show charts](#)

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☰ Only show running containers

<input type="checkbox"/>	Name	Image	Status	CPU (%)	Port(s)	Last started	Actions
<input type="checkbox"/>	stupefied_jackson fa6d9095ca33	postgres	Running	0.01%		19 minutes ago	■ ⋮ 🗑
<input type="checkbox"/>	elastic_euclid 01c65d984ffc	postgres	Exited	0%		5 hours ago	▶ ⋮ 🗑
<input type="checkbox"/>	tender_matsumoto d048566470bc	postgres	Exited (1)	0%		19 minutes ago	▶ ⋮ 🗑
<input type="checkbox"/>	fervent_williamson 5f903b82fa61	postgres:bullseye	Running	0.01%		17 minutes ago	■ ⋮ 🗑
<input type="checkbox"/>	bullseye_container_corhuil 81a9f4502b10	postgres:bullseye	Running	0%		3 minutes ago	■ ⋮ 🗑

Showing 5 items

```
Windows PowerShell x Windows PowerShell x + v
Windows PowerShell
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Instale la versión más reciente de PowerShell para obtener nuevas características y mejoras. https://aka.ms/PSWindows

PS C:\Users\luis_> docker ps -a
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS          PORTS          NAMES
81a9f4502b10   postgres:bullseye  "docker-entrypoint.s..." 5 minutes ago  Up 5 minutes   5432/tcp      bullseye_container_corhuila
5f903b82fa61   postgres:bullseye  "docker-entrypoint.s..." 18 minutes ago  Up 18 minutes  5432/tcp      fervent_williamson
fa6d9095ca33   postgres       "docker-entrypoint.s..." 5 hours ago    Up 20 minutes  5432/tcp      stupefied_jackson
01c65d984ffc   postgres       "docker-entrypoint.s..." 5 hours ago    Exited (0) 5 hours ago
d048566470bc   postgres       "docker-entrypoint.s..." 5 hours ago    Exited (1) 21 minutes ago
tender_matsumoto
```

docker ps -a

Contenedores totales (encendidos, apagados)

```
Windows PowerShell x Windows PowerShell x + v
Windows PowerShell
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Instale la versión más reciente de PowerShell para obtener nuevas características y mejoras. https://aka.ms/PSWindows

PS C:\Users\luis_> docker ps -a
CONTAINER ID   IMAGE                COMMAND                  CREATED        STATUS              PORTS              NAMES
81a9f4502b10   postgres:bullseye   "docker-entrypoint.s..." 5 minutes ago  Up 5 minutes       5432/tcp           bullseye_container_corhuila
5f903b82fa61   postgres:bullseye   "docker-entrypoint.s..." 18 minutes ago  Up 18 minutes      5432/tcp           fervent_williamson
fa6d9095ca33   postgres            "docker-entrypoint.s..." 5 hours ago    Up 20 minutes      5432/tcp           stupefied_jackson
01c65d984ffc   postgres            "docker-entrypoint.s..." 5 hours ago    Exited (0) 5 hours ago
d048566470bc   postgres            "docker-entrypoint.s..." 5 hours ago    Exited (1) 21 minutes ago
tender_matsumoto

PS C:\Users\luis_> docker rm 01c65d984ffc
01c65d984ffc
PS C:\Users\luis_> docker rm d048566470bc
d048566470bc
PS C:\Users\luis_> docker ps -a
CONTAINER ID   IMAGE                COMMAND                  CREATED        STATUS              PORTS              NAMES
81a9f4502b10   postgres:bullseye   "docker-entrypoint.s..." 8 minutes ago  Up 8 minutes       5432/tcp           bullseye_container_corhuila
5f903b82fa61   postgres:bullseye   "docker-entrypoint.s..." 21 minutes ago  Up 21 minutes      5432/tcp           fervent_williamson
fa6d9095ca33   postgres            "docker-entrypoint.s..." 5 hours ago    Up 24 minutes      5432/tcp           stupefied_jackson
PS C:\Users\luis_> |
```

docker rm *CONTAINER ID*

Con esta funcionalidad ELIMINAMOS CONTENEDORES que estén inactivos.

```
Windows PowerShell x Windows PowerShell x Windows PowerShell x + v
Windows PowerShell
Copyright (C) Microsoft Corporation. Todos los derechos reservados.

Instale la versión más reciente de PowerShell para obtener nuevas características y mejoras. https://aka.ms/PSWindows

PS C:\Users\luis_> docker ps -a
CONTAINER ID   IMAGE                COMMAND                  CREATED        STATUS        PORTS                NAMES
81a9f4502b10   postgres:bullseye   "docker-entrypoint.s..." 13 minutes ago Up 13 minutes   5432/tcp             bullseye_container_corhuila
5f903b82fa61   postgres:bullseye   "docker-entrypoint.s..." 27 minutes ago Up 27 minutes   5432/tcp             fervent_williamson
fa6d9095ca33   postgres            "docker-entrypoint.s..." 5 hours ago    Up 29 minutes   5432/tcp             stupefied_jackson
PS C:\Users\luis_> docker rm -f 5f903b82fa61
5f903b82fa61
PS C:\Users\luis_> docker ps -a
CONTAINER ID   IMAGE                COMMAND                  CREATED        STATUS        PORTS                NAMES
81a9f4502b10   postgres:bullseye   "docker-entrypoint.s..." 14 minutes ago Up 14 minutes   5432/tcp             bullseye_container_corhuila
fa6d9095ca33   postgres            "docker-entrypoint.s..." 5 hours ago    Up 30 minutes   5432/tcp             stupefied_jackson
PS C:\Users\luis_> |
```

docker rm -f *CONTAINER ID*

Con esta funcionalidad **ELIMINAMOS CONTENEDORES** que estén activos. Agregando a la función ***-f*** para apagar y/o detener el contenedor y eliminarlo

```
Windows PowerShell
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Instale la versión más reciente de PowerShell para obtener nuevas características y mejoras. https://aka.ms/PSWindows

PS C:\Users\luis_> docker images
REPOSITORY    TAG          IMAGE ID      CREATED      SIZE
postgres      latest      b9390dd1ea18 5 weeks ago  431MB
postgres      bullseye    44a3490f1a3c 5 weeks ago  400MB
PS C:\Users\luis_> docker rmi -f 44a3490f1a3c
Error response from daemon: conflict: unable to delete 44a3490f1a3c (cannot be forced) - image is being used by running container 81a9f4502b10
PS C:\Users\luis_> docker images
REPOSITORY    TAG          IMAGE ID      CREATED      SIZE
postgres      latest      b9390dd1ea18 5 weeks ago  431MB
postgres      bullseye    44a3490f1a3c 5 weeks ago  400MB
PS C:\Users\luis_> |
```

docker rmi -f * IMAGE ID*

Con esta funcionalidad **ELIMINAMOS IMAGENES** que estén activos. Agregando a la función ***rmi -f***; pero es importante mencionar que debe primero apagar y eliminar el **CONTENEDOR** donde está ejecutando la imagen, de lo contrario aparecerá el error que muestra la pantalla.

```
postgres latest b9390dd1ea18 5 weeks ago 431MB
postgres bullseye 44a3490f1a3c 5 weeks ago 400MB
```

```
PS C:\Users\luis_> docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
81a9f4502b10	postgres:bullseye	"docker-entrypoint.s..."	47 minutes ago	Up 47 minutes	5432/tcp	bullseye_container_corhuila
fa6d9095ca33	postgres	"docker-entrypoint.s..."	6 hours ago	Up About an hour	5432/tcp	stupefied_jackson

```
PS C:\Users\luis_> docker rm -f 81a9f4502b10
```

```
81a9f4502b10
```

```
PS C:\Users\luis_> docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
fa6d9095ca33	postgres	"docker-entrypoint.s..."	6 hours ago	Up About an hour	5432/tcp	stupefied_jackson

```
PS C:\Users\luis_> docker rmi -f 44a3490f1a3c
```

```
Untagged: postgres:bullseye
```

```
Untagged: postgres@sha256:c52fc08e27b1400ace2ece2dc196ae6a17dbf436ff7633d1f88962ce3e15efad
```

```
Deleted: sha256:44a3490f1a3c8ab00982b68e994d3f5aee9e962ac3be60a76ff0f17c47454a0b
Deleted: sha256:e7faefd9575874be0c2d37a6360fe04973311e24cdeb9b635ae949d412d4dd76
Deleted: sha256:e15ca65d7f317a4a6183d24491dedfeecb69ad51b35f87ca1310323121584346
Deleted: sha256:88aa80f8ea1be6c9e7407f719784d32b571e8e7257938d366f96876380bb1925
Deleted: sha256:c8b1493bad90894ac957b2d6abc57ce3ac005d96f182239b351eeb4654a4f984
Deleted: sha256:575d947053cdf764580c7f2486189b934eb4b811da7bf24b1e51f3907c94af51
Deleted: sha256:16064e84eb75879542a5d63bbd974a3a6ca5a1636b8baed59ba7e3346c8085b0
Deleted: sha256:023a3e66fb02487c7d752f3e91f376d7581758a0322c40f39d1e3cbc17c65183
Deleted: sha256:d56466d546f0c172120a6d6d12eefdb34fa00e2803d73fc558f8156034aa7d02
Deleted: sha256:39759b333783cc27cfb4ec8d6e53023533a968809e3744fb71249ebcbd61f0a4
Deleted: sha256:17fd1c6a16ea1d428f4053c78c94c84115987eddc66fd7063b84103bd191d98a
Deleted: sha256:f9e009db8e467d00b76d6158a1c378a98fb211065c332416e94a3244b6b72364
Deleted: sha256:4be78497a229d2bf9015ed3f3c181cfbefb979f16ae9907fa4b87ebee05eb072
Deleted: sha256:7ec5c6d4241f0fd5f4d551d8111f1a6e5f45d2141a564aca7fdc8e26d3721013
Deleted: sha256:3c8879ab2cf25eb049af95711715b5b99d97490ab4eedbe8d0f160f53ef5a645
```

```
PS C:\Users\luis_> docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
postgres	latest	b9390dd1ea18	5 weeks ago	431MB

```
PS C:\Users\luis_> |
```

Se detiene y
elimina el
CONTENEDOR
para después
eliminar la
IMAGEN

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Container CPU usage ⓘ
0.01% / 2000% (20 CPUs available)

Container memory usage ⓘ
18.18MB / 7.4GB

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Only show running containers

<input type="checkbox"/>	Name	Image	Status	CPU (%)	Port(s)	Last started	Actions
<input type="checkbox"/>	stupefied_jackson fa6d9095ca33	postgres	Running	0%		1 hour ago	■ ⋮ 🗑️



ubuntu

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Operating Systems

- Linux

1 - 25 of 10.000 results for ubuntu.

Best Match



ubuntu


Updated a month ago

Ubuntu is a Debian-based Linux operating system based on free software.


Linux 386 x86-64 ARM ARM 64 PowerPC 64 LE IBM Z riscv64

↓ 1B+ · ☆ 10K+

Pulls: 29,780,089
Last week



[Learn more](#)




ubuntu-debootstrap

Updated 8 years ago

DEPRECATED; use "ubuntu" instead

↓ 5M+ · ☆ 52

Pulls: 396
Last week



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ubuntu Docker Official Image · 1B+ · 10K+
Ubuntu is a Debian-based Linux operating system based on free software.

docker pull ubuntu Copy

Overview Tags

Sort by Newest Filter Tags

Analyzed by docker scout

TAG rolling

Last pushed a month ago by doijanky

docker pull ubuntu:rolling Copy

Table with 4 columns: Digest, OS/ARCH, Vulnerabilities, Compressed Size. Rows include linux/amd64, linux/arm/v7, and linux/arm64/v8.

Microsoft Windows [Versión 10.0.22631.3296]
(c) Microsoft Corporation. Todos los derechos reservados.

C:\Users\luis_>docker pull ubuntu

Using default tag: latest

latest: Pulling from library/ubuntu

bccd10f490ab: Pull complete

Digest: sha256:77906da86b60585ce12215807090eb327e7386c8fafb5402369e421f44eff17e

Status: Downloaded newer image for ubuntu:latest

docker.io/library/ubuntu:latest

Docker pull ubuntu

What's Next?

1. Sign in to your Docker account → [docker login](#)
2. View a summary of image vulnerabilities and recommendations → [docker scout quickview ubuntu](#)

C:\Users\luis_>docker images

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
ubuntu	latest	ca2b0f26964c	5 weeks ago	77.9MB
postgres	latest	b9390dd1ea18	6 weeks ago	431MB

C:\Users\luis_>docker ps

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
fa6d9095ca33	postgres	"docker-entrypoint.s..."	4 days ago	Up 27 minutes	5432/tcp	stupefied_jackson

C:\Users\luis_>


```
Windows PowerShell
Copyright (C) Microsoft Corporation. Todos los derechos reservados.

Instale la versión más reciente de PowerShell para obtener nuevas características y mejoras. https://aka.ms/PSWindows


PS C:\Users\luis_> docker run --name ubuntu_corhuila ubuntu
PS C:\Users\luis_> docker ps
CONTAINER ID   IMAGE      COMMAND                  CREATED        STATUS        PORTS          NAMES
fa6d9095ca33  postgres  "docker-entrypoint.s..." 4 days ago    Up 33 minutes  5432/tcp      stupefied_jackson
PS C:\Users\luis_> docker ps -a
CONTAINER ID   IMAGE      COMMAND                  CREATED        STATUS              PORTS          NAMES
e36ed5e4bed6  ubuntu    "/bin/bash"             8 seconds ago  Exited (0) 7 seconds ago  5432/tcp      ubuntu_corhuila
fa6d9095ca33  postgres  "docker-entrypoint.s..." 4 days ago    Up 34 minutes      5432/tcp      stupefied_jackson
PS C:\Users\luis_> |
```

Docker run -name Ubuntu_corhuila ubuntu

 Containers


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Containers [Give feedback](#)

Container CPU usage 
0.01% / 2000% (20 CPUs available)

Container memory usage 
24.48MB / 7.4GB

 Only show running containers

<input type="checkbox"/>	Name	Image	Status	CPU (%)	Port(s)	Last started
<input type="checkbox"/>	 stupefied_jackson fa6d9095ca33 	postgres	Running	0%		34 minutes ago
<input type="checkbox"/>	 ubuntu_corhuila e36ed5e4bed6 	ubuntu	Exited	0%		29 seconds ago

```
Windows PowerShell
PS C:\Users\luis_> docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS        NAMES
fa6d9095ca33   postgres "docker-entrypoint.s..." 4 days ago    Up 36 minutes 5432/tcp     stupefied_jackson
PS C:\Users\luis_> docker stop fa6d9095ca33
fa6d9095ca33
PS C:\Users\luis_> docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS        NAMES
PS C:\Users\luis_> docker ps -a
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS        NAMES
e36ed5e4bed6   ubuntu   "/bin/bash"             3 minutes ago Exited (0)    3 minutes ago
ubuntu_corhuila
fa6d9095ca33   postgres "docker-entrypoint.s..." 4 days ago    Exited (0)    12 seconds ago
stupefied_jackson
PS C:\Users\luis_> docker start fa6d9095ca33
fa6d9095ca33
PS C:\Users\luis_> docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS        NAMES
fa6d9095ca33   postgres "docker-entrypoint.s..." 4 days ago    Up 3 seconds 5432/tcp     stupefied_jackson
PS C:\Users\luis_> |
```

Docker stop

Docker start



node Docker Official Image · 1B+ · 10K+

Node.js is a JavaScript-based platform for server-side and networking applications.

```
docker pull node
```

[Copy](#)[Overview](#)[Tags](#)

Quick reference

- Maintained by:
[The Node.js Docker Team](#)
- Where to get help:
[the Docker Community Slack](#), [Server Fault](#), [Unix & Linux](#), or [Stack Overflow](#)

Supported tags and respective `Dockerfile` links

- [21-alpine3.18](#), [21.7-alpine3.18](#), [21.7.2-alpine3.18](#), [alpine3.18](#), [current-alpine3.18](#)
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[hydrogen-alpine3.18](#) [hydrogen-alpine](#) [current-alpine3.19](#)

About Official Images

Docker Official Images are a curated set of Docker open source and drop-in solution repositories.

Why Official Images?

These images have clear documentation, promote

```
PS C:\Users\luis_> docker ps
CONTAINER ID   IMAGE      COMMAND                  CREATED        STATUS          PORTS          NAMES
fa6d9095ca33  postgres  "docker-entrypoint.s..." 4 days ago    Up 5 minutes   5432/tcp      stupefied_jackson
```

```
PS C:\Users\luis_> docker exec -it fa6d9095ca33 sh
```

Docker exec

```
# ls
```

```
bin      dev
boot    docker-entrypoint-initdb.d  etc  lib  media  opt  root  sbin  sys  usr
home    lib64  mnt  proc  run  srv  tmp  var
```

```
# pwd
```

```
/
```

```
# cd etc
```

```
# cd et
```

```
sh: 4: cd: can't cd to et
```

```
# cd etc
```

```
sh: 5: cd: can't cd to etc
```

```
# ls
```

```
adduser.conf      fstab      ld.so.cache    opt          rc3.d         ssl
alternatives     gai.conf   ld.so.conf     os-release  rc4.d         subgid
apt              group     ld.so.conf.d  pam.conf    rc5.d         subuid
bash.bashrc     group-    libaudit.conf  pam.d       rc6.d         systemd
bindresvport.blacklist  gshadow   locale.alias   passwd     rcS.d        terminfo
cron.d          gshadow-  locale.gen     passwd-    resolv.conf  timezone
cron.daily     gss       localtime     perl       rmt          ucf.conf
debconf.conf   host.conf  logcheck      postgresql  rpc          update-motd.d
debian_version hostname   login.defs    postgresql-common  security    X11
default        hosts     logrotate.d   profile    selinux      xattr.conf
deluser.conf   init.d    mke2fs.conf   profile.d  services
dpkg           inputrc  motd          protocols  shadow
e2scrub.conf   issue    mtab          rc0.d     shadow-
environment    issue.net networks     rc1.d     shells
ethertypes     kernel   nsswitch.conf rc2.d     skel
```

```
# |
```

```
PS C:\Users\luis_> docker ps
CONTAINER ID   IMAGE      COMMAND                                     CREATED        STATUS              PORTS
fa6d9095ca33  postgres  "docker-entrypoint.s..."               4 days ago    Up 41 minutes      5432/
```

```
PS C:\Users\luis_> docker logs -f fa6d9095ca33
```

The files belonging to this database system will be owned by user "postgres".
This user must also own the server process.

The database cluster will be initialized with locale "en_US.utf8".
The default database encoding has accordingly been set to "UTF8".
The default text search configuration will be set to "english".

Data page checksums are disabled.

```
fixing permissions on existing directory /var/lib/postgresql/data ... ok
creating subdirectories ... ok
selecting dynamic shared memory implementation ... posix
selecting default max_connections ... 100
selecting default shared_buffers ... 128MB
selecting default time zone ... Etc/UTC
creating configuration files ... ok
running bootstrap script ... ok
performing post-bootstrap initialization ... ok
```

```
PS C:\Users\luis_> docker logs -f --details fa6d9095ca33
```

```
The files belonging to this database system will be owned by user "postgres".  
This user must also own the server process.
```

```
The database cluster will be initialized with locale "en_US.utf8".  
The default database encoding has accordingly been set to "UTF8".  
The default text search configuration will be set to "english".
```

```
Data page checksums are disabled.
```

```
fixing permissions on existing directory /var/lib/postgresql/data ... ok  
creating subdirectories ... ok  
selecting dynamic shared memory implementation ... posix  
selecting default max_connections ... 100  
selecting default shared_buffers ... 128MB  
selecting default time zone ... Etc/UTC  
creating configuration files ... ok  
running bootstrap script ... ok  
performing post-bootstrap initialization ... ok  
syncing data to disk ... ok
```

```
Success. You can now start the database server using:
```

```
pg_ctl -D /var/lib/postgresql/data -l logfile start
```

```
initdb: warning: enabling "trust" authentication for local connections  
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.  
waiting for server to start...2024-03-31 16:35:20.939 UTC [48] LOG: starting PostgreSQL 16.2 (Debian 16.2-1.pgdg120+2) on x86_64-pc-linux-gnu, compiled by gcc (Debian 12.2.0-14) 12.2.0, 64-bit  
2024-03-31 16:35:20.942 UTC [48] LOG: listening on Unix socket "/var/run/postgresql/.s.PGSQL.5432"
```

```
PS C:\Users\luis_> docker logs -f --details -t fa6d9095ca33
2024-03-31T16:35:19.051497534Z The files belonging to this database system will be owned by user "postgres".
2024-03-31T16:35:19.051557523Z This user must also own the server process.
2024-03-31T16:35:19.051563325Z
2024-03-31T16:35:19.051566766Z The database cluster will be initialized with locale "en_US.utf8".
2024-03-31T16:35:19.051570545Z The default database encoding has accordingly been set to "UTF8".
2024-03-31T16:35:19.051574277Z The default text search configuration will be set to "english".
2024-03-31T16:35:19.051578292Z
2024-03-31T16:35:19.051581678Z Data page checksums are disabled.
2024-03-31T16:35:19.051585019Z
2024-03-31T16:35:19.051588222Z fixing permissions on existing directory /var/lib/postgresql/data ... ok
2024-03-31T16:35:19.056983810Z creating subdirectories ... ok
2024-03-31T16:35:19.057012955Z selecting dynamic shared memory implementation ... posix
2024-03-31T16:35:19.080189279Z selecting default max_connections ... 100
2024-03-31T16:35:19.103717513Z selecting default shared_buffers ... 128MB
2024-03-31T16:35:19.117457809Z selecting default time zone ... Etc/UTC
2024-03-31T16:35:19.118841254Z creating configuration files ... ok
2024-03-31T16:35:19.265593291Z running bootstrap script ... ok
2024-03-31T16:35:19.868887138Z performing post-bootstrap initialization ... ok
2024-03-31T16:35:20.890081467Z syncing data to disk ... ok
2024-03-31T16:35:20.890144978Z
2024-03-31T16:35:20.890153959Z
2024-03-31T16:35:20.890160981Z Success. You can now start the database server using:
2024-03-31T16:35:20.890168002Z
2024-03-31T16:35:20.890174395Z     pg_ctl -D /var/lib/postgresql/data -l logfile start
2024-03-31T16:35:20.890181708Z
2024-03-31T16:35:20.890214905Z initdb: warning: enabling "trust" authentication for local connections
2024-03-31T16:35:20.890223667Z 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.
2024-03-31T16:35:20.939251649Z waiting for server to start...2024-03-31 16:35:20.939 UTC [48] LOG: starting
PostgreSQL 16.2 (Debian 16.2-1.pgdg120+2) on x86_64-pc-linux-gnu, compiled by gcc (Debian 12.2.0-14) 12.2.0,
64-bit
```

localhost x +

localhost

PROGRAMACION PERVOLARE VTC Empleos para ti | Ge... Scrum INGLES CORHUILA Analisis de datos IA



No se puede acceder a este sitio

localhost rechazó la conexión.

Intenta:

- Comprobar la conexión.
- [Comprobar el proxy y el firewall.](#)

ERR_CONNECTION_REFUSED

Volver a cargar

Detalles

```
Windows PowerShell
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Instale la versión más reciente de PowerShell para obtener nuevas características y mejoras. https://aka.ms/PSWindows

PS C:\Users\luis_> docker container run docker/getting-started
Unable to find image 'docker/getting-started:latest' locally
latest: Pulling from docker/getting-started
c158987b0551: Pull complete
1e35f6679fab: Pull complete
cb9626c74200: Pull complete
b6334b6ace34: Pull complete
f1d1c9928c82: Pull complete
9b6f639ec6ea: Pull complete
ee68d3549ec8: Pull complete
33e0cbbb4673: Pull complete
4f7e34c2de10: Pull complete
Digest: sha256:d79336f4812b6547a53e735480dde67f8f8f7071b414fbd9297609ffb989abc1
Status: Downloaded newer image for docker/getting-started:latest
/docker-entrypoint.sh: /docker-entrypoint.d/ is not empty, will attempt to perform configuration
/docker-entrypoint.sh: Looking for shell scripts in /docker-entrypoint.d/
/docker-entrypoint.sh: Launching /docker-entrypoint.d/10-listen-on-ipv6-by-default.sh
10-listen-on-ipv6-by-default.sh: info: Getting the checksum of /etc/nginx/conf.d/default.conf
10-listen-on-ipv6-by-default.sh: info: Enabled listen on IPv6 in /etc/nginx/conf.d/default.conf
/docker-entrypoint.sh: Launching /docker-entrypoint.d/20-envsubst-on-templates.sh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/30-tune-worker-processes.sh
/docker-entrypoint.sh: Configuration complete; ready for start up
2024/04/08 00:16:11 [notice] 1#1: using the "epoll" event method
2024/04/08 00:16:11 [notice] 1#1: nginx/1.23.3
2024/04/08 00:16:11 [notice] 1#1: built by gcc 12.2.1 20220924 (Alpine 12.2.1_git20220924-r4)
```

Containers

[Give feedback](#)

Container CPU usage ⓘ

0.00% / 2000% (20 CPUs available)

Container memory usage ⓘ











14.5MB / 7.4GB

[Show charts](#)

Search



Only show running containers

<input type="checkbox"/>	Name	Image	Status	CPU (%)	Port(s)	Last started	Actions
<input type="checkbox"/>	 stupefied_jackson fa6d9095ca33 	postgres	Exited (255)	0%		3 days ago	  
<input type="checkbox"/>	 wonderful_pike 18452b79f026 	docker/getting-started	Running	0%		39 seconds ago	  

Windows PowerShell

```
2024/04/08 00:18:05 [notice] 1#1: signal 29 (SIGIO) received
2024/04/08 00:18:05 [notice] 1#1: signal 17 (SIGCHLD) received from 30
2024/04/08 00:18:05 [notice] 1#1: worker process 30 exited with code 0
2024/04/08 00:18:05 [notice] 1#1: worker process 32 exited with code 0
2024/04/08 00:18:05 [notice] 1#1: worker process 36 exited with code 0
2024/04/08 00:18:05 [notice] 1#1: worker process 42 exited with code 0
2024/04/08 00:18:05 [notice] 1#1: worker process 46 exited with code 0
2024/04/08 00:18:05 [notice] 1#1: signal 29 (SIGIO) received
2024/04/08 00:18:05 [notice] 1#1: signal 17 (SIGCHLD) received from 46
2024/04/08 00:18:05 [notice] 1#1: worker process 31 exited with code 0
2024/04/08 00:18:05 [notice] 1#1: worker process 41 exited with code 0
2024/04/08 00:18:05 [notice] 1#1: signal 29 (SIGIO) received
2024/04/08 00:18:05 [notice] 1#1: signal 17 (SIGCHLD) received from 37
2024/04/08 00:18:05 [notice] 1#1: worker process 35 exited with code 0
2024/04/08 00:18:05 [notice] 1#1: worker process 37 exited with code 0
2024/04/08 00:18:05 [notice] 1#1: worker process 40 exited with code 0
2024/04/08 00:18:05 [notice] 1#1: worker process 43 exited with code 0
2024/04/08 00:18:05 [notice] 1#1: signal 29 (SIGIO) received
2024/04/08 00:18:05 [notice] 1#1: signal 17 (SIGCHLD) received from 40
2024/04/08 00:18:05 [notice] 1#1: worker process 33 exited with code 0
2024/04/08 00:18:05 [notice] 1#1: worker process 38 exited with code 0
2024/04/08 00:18:05 [notice] 1#1: worker process 45 exited with code 0
2024/04/08 00:18:05 [notice] 1#1: signal 29 (SIGIO) received
2024/04/08 00:18:05 [notice] 1#1: signal 17 (SIGCHLD) received from 34
2024/04/08 00:18:05 [notice] 1#1: worker process 34 exited with code 0
2024/04/08 00:18:05 [notice] 1#1: signal 29 (SIGIO) received
2024/04/08 00:18:05 [notice] 1#1: signal 17 (SIGCHLD) received from 39
2024/04/08 00:18:05 [notice] 1#1: worker process 39 exited with code 0
2024/04/08 00:18:05 [notice] 1#1: exit
PS C:\Users\luis_>
```

CTRL + C

Windows PowerShell

```
2024/04/08 00:18:05 [notice] 1#1: worker process 30 exited with code 0
2024/04/08 00:18:05 [notice] 1#1: worker process 32 exited with code 0
2024/04/08 00:18:05 [notice] 1#1: worker process 36 exited with code 0
2024/04/08 00:18:05 [notice] 1#1: worker process 42 exited with code 0
2024/04/08 00:18:05 [notice] 1#1: worker process 46 exited with code 0
2024/04/08 00:18:05 [notice] 1#1: signal 29 (SIGIO) received
2024/04/08 00:18:05 [notice] 1#1: signal 17 (SIGCHLD) received from 46
2024/04/08 00:18:05 [notice] 1#1: worker process 31 exited with code 0
2024/04/08 00:18:05 [notice] 1#1: worker process 41 exited with code 0
2024/04/08 00:18:05 [notice] 1#1: signal 29 (SIGIO) received
2024/04/08 00:18:05 [notice] 1#1: signal 17 (SIGCHLD) received from 37
2024/04/08 00:18:05 [notice] 1#1: worker process 35 exited with code 0
2024/04/08 00:18:05 [notice] 1#1: worker process 37 exited with code 0
2024/04/08 00:18:05 [notice] 1#1: worker process 40 exited with code 0
2024/04/08 00:18:05 [notice] 1#1: worker process 43 exited with code 0
2024/04/08 00:18:05 [notice] 1#1: signal 29 (SIGIO) received
2024/04/08 00:18:05 [notice] 1#1: signal 17 (SIGCHLD) received from 40
2024/04/08 00:18:05 [notice] 1#1: worker process 33 exited with code 0
2024/04/08 00:18:05 [notice] 1#1: worker process 38 exited with code 0
2024/04/08 00:18:05 [notice] 1#1: worker process 45 exited with code 0
2024/04/08 00:18:05 [notice] 1#1: signal 29 (SIGIO) received
2024/04/08 00:18:05 [notice] 1#1: signal 17 (SIGCHLD) received from 34
2024/04/08 00:18:05 [notice] 1#1: worker process 34 exited with code 0
2024/04/08 00:18:05 [notice] 1#1: signal 29 (SIGIO) received
2024/04/08 00:18:05 [notice] 1#1: signal 17 (SIGCHLD) received from 39
2024/04/08 00:18:05 [notice] 1#1: worker process 39 exited with code 0
2024/04/08 00:18:05 [notice] 1#1: exit
PS C:\Users\luis_ > docker container run -d docker/getting-started
4bd9b9c9b2e451ec544a3e64dbc998bb743f7f09069c3380dbc6dd469dbf28c3
PS C:\Users\luis_ > |
```

**docker container run
-d docker/getting
-started**

Windows PowerShell

```
2024/04/08 00:18:05 [notice] 1#1: signal 29 (SIGIO) received
2024/04/08 00:18:05 [notice] 1#1: signal 17 (SIGCHLD) received from 37
2024/04/08 00:18:05 [notice] 1#1: worker process 35 exited with code 0
2024/04/08 00:18:05 [notice] 1#1: worker process 37 exited with code 0
2024/04/08 00:18:05 [notice] 1#1: worker process 40 exited with code 0
2024/04/08 00:18:05 [notice] 1#1: worker process 43 exited with code 0
2024/04/08 00:18:05 [notice] 1#1: signal 29 (SIGIO) received
2024/04/08 00:18:05 [notice] 1#1: signal 17 (SIGCHLD) received from 40
2024/04/08 00:18:05 [notice] 1#1: worker process 33 exited with code 0
2024/04/08 00:18:05 [notice] 1#1: worker process 38 exited with code 0
2024/04/08 00:18:05 [notice] 1#1: worker process 45 exited with code 0
2024/04/08 00:18:05 [notice] 1#1: signal 29 (SIGIO) received
2024/04/08 00:18:05 [notice] 1#1: signal 17 (SIGCHLD) received from 34
2024/04/08 00:18:05 [notice] 1#1: worker process 34 exited with code 0
2024/04/08 00:18:05 [notice] 1#1: signal 29 (SIGIO) received
2024/04/08 00:18:05 [notice] 1#1: signal 17 (SIGCHLD) received from 39
2024/04/08 00:18:05 [notice] 1#1: worker process 39 exited with code 0
2024/04/08 00:18:05 [notice] 1#1: exit
```

```
PS C:\Users\luis_> docker container run -d docker/getting-started
4bd9b9c9b2e451ec544a3e64dbc998bb743f7f09069c3380dbc6dd469dbf28c3
```

```
PS C:\Users\luis_> docker container run -d -p 80:80 docker/getting-started
04b820595a1d3f6351cc145eb755ae573a173fbc254cb6a2f18502e2ad03f409
```

**Docker
container run
-d -p 80:80
Docker/
getting-
started**

Getting Started - Getting Starte x +

localhost/tutorial/

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inglés español

Google Translate

docker Labs Getting Started

Getting Started

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Getting Started

The command you just ran

Congratulations! You have started the container for this tutorial! Let's first explain the command that you just ran. In case you forgot, here's the command:

```
docker run -d -p 80:80 docker/getting-started
```

You'll notice a few flags being used. Here's some more info on them:

- `-d` - run the container in detached mode (in the background)
- `-p 80:80` - map port 80 of the host to port 80 in the container

Containers

Images

Volumes

Builds

Dev Environments BETA

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Extensions

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Containers [Give feedback](#)

Container CPU usage ?
NaN% / 2000% (20 CPUs available)

Container memory usage ?
14.55MB / 7.4GB

[Show charts](#)

Search

Only show running containers

<input type="checkbox"/>	Name	Image	Status	CPU (%)	Port(s)	Last started	Actions
<input type="checkbox"/>	stupefied_jackson fa6d9095ca33	postgres	Exited (255)	0%		3 days ago	▶ ⋮ 🗑️
<input type="checkbox"/>	priceless_bhabha 04b820595a1d	docker/getting-started	Running	0%	80:80	4 minutes ago	■ ⋮ 🗑️

```
PS C:\Users\luis_> docker container run -d -p 8080:80 docker/getting-started
```

```
33d8f6c9fafa7734760cc5dfe2ba29e3dc9d6c4b85f4a36786d44d289c1dd891
```

```
PS C:\Users\luis_> docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
AMES						
33d8f6c9fafa	docker/getting-started	"/docker-entrypoint..."	2 seconds ago	Up 2 seconds	0.0.0.0:8080->80/tcp	lated_keller
04b820595a1d	docker/getting-started	"/docker-entrypoint..."	4 minutes ago	Up 4 minutes	0.0.0.0:80->80/tcp	riceless_bhabha

```
PS C:\Users\luis_> |
```

Getting Started - Getting Starte x Getting Started - Getting Starte x Getting Started - Getting Starte x +

localhost:8080/tutorial/

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Getting Started

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Getting Started

The command you just ran

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```
docker run -d -p 80:80 docker/getting-started
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- `-d` - run the container in detached mode (in the background)
- `-p 80:80` - map port 80 of the host to port 80 in the container
- `docker/getting-started` - the image to use

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The command you just ran

The Docker Dashboard

What is a container?









What is a container image?

Containers [Give feedback](#)

Container CPU usage ⓘ
0.00% / 2000% (20 CPUs available)

Container memory usage ⓘ
29.02MB / 7.4GB

Only show running containers

<input type="checkbox"/>	Name	Image	Status	CPU (%)	Port(s)	Last sta
<input type="checkbox"/>	 stupefied_jackson fa6d9095ca33 	postgres	Exited (255)	0%		3 days a
<input type="checkbox"/>	 priceless_bhabha 04b820595a1d 	docker/getting-started	Running	0%	80:80 	13 minut
<input type="checkbox"/>	 elated_keller 33d8f6c9fafa 	docker/getting-started	Running	0%	8080:80 	8 minute

Windows PowerShell

PS C:\Users\luis_> **docker images**

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
postgres	latest	b9390dd1ea18	6 weeks ago	431MB

PS C:\Users\luis_> |

postgres - Official Image | Docker x (2) Feed | LinkedIn x +

← → ↻ 🏠 📄 hub.docker.com/_/postgres

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How to use this image

start a postgres instance

```
$ docker run --name some-postgres -e POSTGRES_PASSWORD=mysecretpassword -d postgres
```

The default `postgres` user and database are created in the entrypoint with `initdb`.

The postgres database is a default database meant for use by users, utilities and third party applications.

[postgresql.org/docs](https://www.postgresql.org/docs)

Windows PowerShell

```
PS C:\Users\luis_> docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
postgres      latest   b9390dd1ea18   6 weeks ago   431MB
PS C:\Users\luis_> docker run --name corhuila-postgres -e POSTGRES_PASSWORD=mysecretpassword -d postgres
e0e32d223e0832e9c5e1f59cf629b33604226dfc7b4935dcab2d23fb62db6288
PS C:\Users\luis_> |
```

```
docker run --name corhuila-postgres -e
POSTGRES_PASSWORD=mysecretpassword -d
postgres
```

corhuila-postgres

postgres
e0e32d223e08

STATUS
Running (48 seconds ago)



Logs Inspect Bind mounts Exec Files Stats

Raw JSON

Platform Cmd State Image PortBindings Runtime Mounts Volumes Env Labels Networks

```
139     "Source": "/var/lib/docker/volumes/9c7f7b81524cf5c7d755bd58b66c67439ee2a4935251e1925005103f6edcc074/_data",
140     "Destination": "/var/lib/postgresql/data",
141     "Driver": "local",
142     "Mode": "",
143     "RW": true,
144     "Propagation": ""
145   }
146 ],
147 "Config": {
148   "Hostname": "e0e32d223e08",
149   "Domainname": "",
150   "User": "",
151   "AttachStdin": false,
152   "AttachStdout": false,
153   "AttachStderr": false,
154   "ExposedPorts": {
155     "5432/tcp": {}
156   },
157   "Tty": false,
158   "OpenStdin": false,
159   "StdinOnce": false,
160   "Env": [
161     "POSTGRES_PASSWORD=mysecretpassword",
162     "PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/lib/postgresql/16/bin",
163     "GOSU_VERSION=1.17",
164     "LANG=en_US.utf8",
165     "PG_MAJOR=16",
166     "PG_VERSION=16.2-1.pgdg120+2",
167     "PGDATA=/var/lib/postgresql/data"
168   ],
169   "Cmd": [
170     "postgres"
171   ]

```

corhuila-postgres



postgres

e0e32d223e08

STATUS

Running (2 minutes ago)



Logs

Inspect

Bind mounts

Exec

Files

Stats

```
2024-04-07 19:54:40 The files belonging to this database system will be owned by user "postgres".
2024-04-07 19:54:40 This user must also own the server process.
2024-04-07 19:54:40
2024-04-07 19:54:40 The database cluster will be initialized with locale "en_US.utf8".
2024-04-07 19:54:40 The default database encoding has accordingly been set to "UTF8".
2024-04-07 19:54:40 The default text search configuration will be set to "english".
2024-04-07 19:54:40
2024-04-07 19:54:40 Data page checksums are disabled.
2024-04-07 19:54:40
2024-04-07 19:54:40 fixing permissions on existing directory /var/lib/postgresql/data ... ok
2024-04-07 19:54:40 creating subdirectories ... ok
2024-04-07 19:54:40 selecting dynamic shared memory implementation ... posix
2024-04-07 19:54:40 selecting default max_connections ... 100
2024-04-07 19:54:40 selecting default shared_buffers ... 128MB
2024-04-07 19:54:40 selecting default time zone ... Etc/UTC
2024-04-07 19:54:40 creating configuration files ... ok
2024-04-07 19:54:40 running bootstrap script ... ok
2024-04-07 19:54:40 performing post-bootstrap initialization ... ok
2024-04-07 19:54:41 syncing data to disk ... ok
2024-04-07 19:54:41
2024-04-07 19:54:41
2024-04-07 19:54:41 Success. You can now start the database server using:
2024-04-07 19:54:41
2024-04-07 19:54:41     pg_ctl -D /var/lib/postgresql/data -l logfile start
2024-04-07 19:54:41
2024-04-07 19:54:41 waiting for server to start....2024-04-08 00:54:41.926 UTC [48] LOG:  starting PostgreSQL 16.2 (Debian 16.2-1.pgdg120+2) on x86_64-pc-linux-gnu, compiled by gcc (Debian 12.2.0-14) 12.2.0, 64-bit
2024-04-07 19:54:41 2024-04-08 00:54:41.933 UTC [48] LOG:  listening on Unix socket "/var/run/postgresql/.s.PGSQL.5432"
2024-04-07 19:54:41 2024-04-08 00:54:41.948 UTC [51] LOG:  database system was shut down at 2024-04-08 00:54:40 UTC
2024-04-07 19:54:41 2024-04-08 00:54:41.960 UTC [48] LOG:  database system is ready to accept connections
2024-04-07 19:54:41 done
```

```
PS C:\Users\luis_> docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
postgres	latest	b9390dd1ea18	6 weeks ago	431MB

```
PS C:\Users\luis_> docker run --name corhuila-postgres -e POSTGRES_PASSWORD=mysecretpassword -d postgres  
e0e32d223e0832e9c5e1f59cf629b33604226dfc7b4935dcab2d23fb62db6288
```

```
PS C:\Users\luis_> docker container ls
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
e0e32d223e08	postgres	"docker-entrypoint.s..."	3 minutes ago	Up 3 minutes	5432/tcp	corhuila-postgres

```
PS C:\Users\luis_> |
```

Windows PowerShell

```
PS C:\Users\luis_> docker run --name sistemas-postgres -dp 5432:5432 -e POSTGRES_PASSWORD=mysecretpassword postgres  
c9211dfc420bea0251bfa4ff3b77982076014f578d00e8d250bea0c0a47e200c  
PS C:\Users\luis_> |
```

docker run --name sistemas-postgres -dp -e POSTGRES_PASSWORD=mysecretpassword postgres

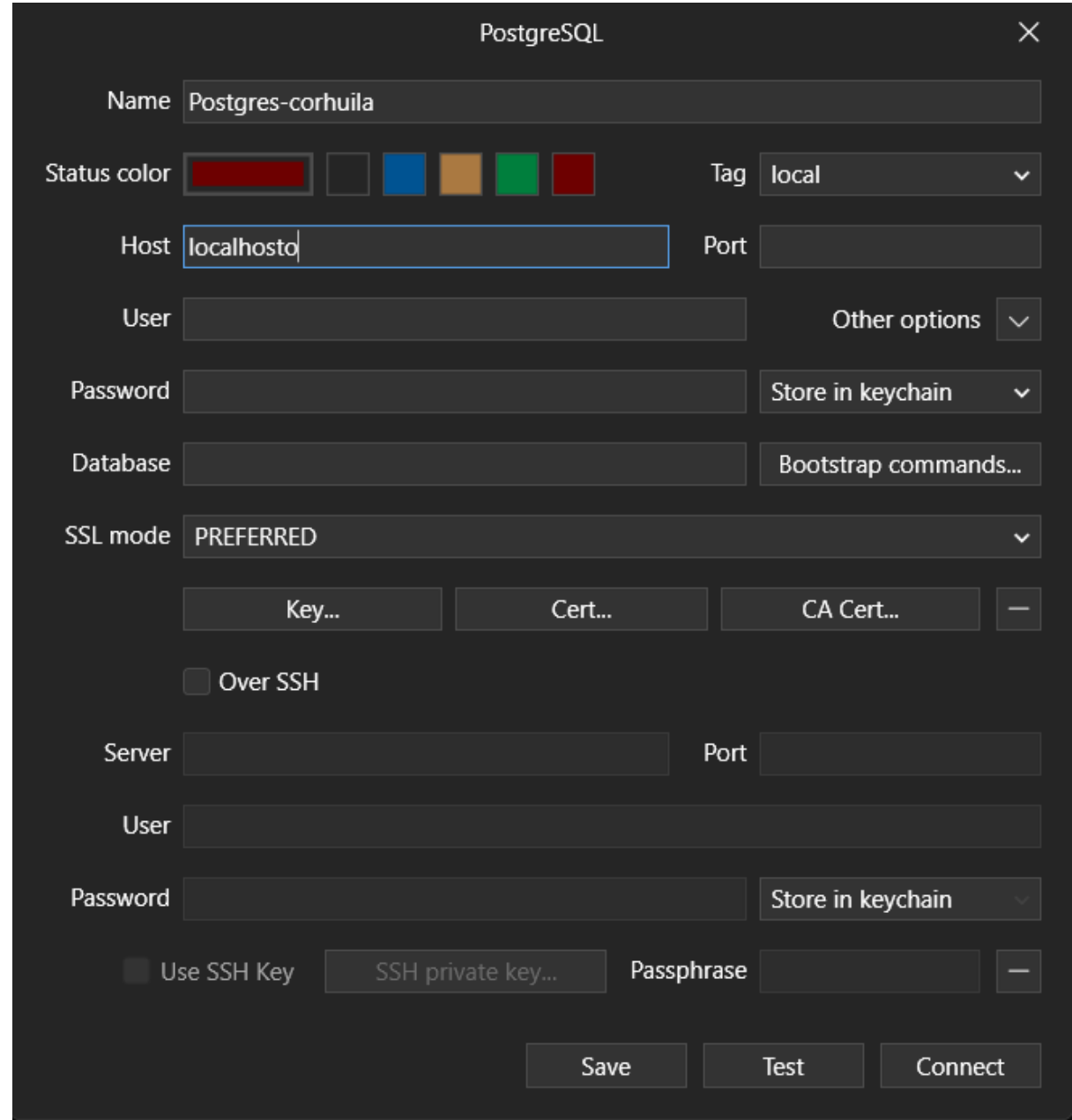
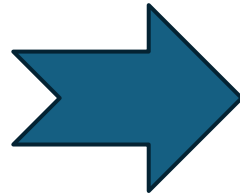
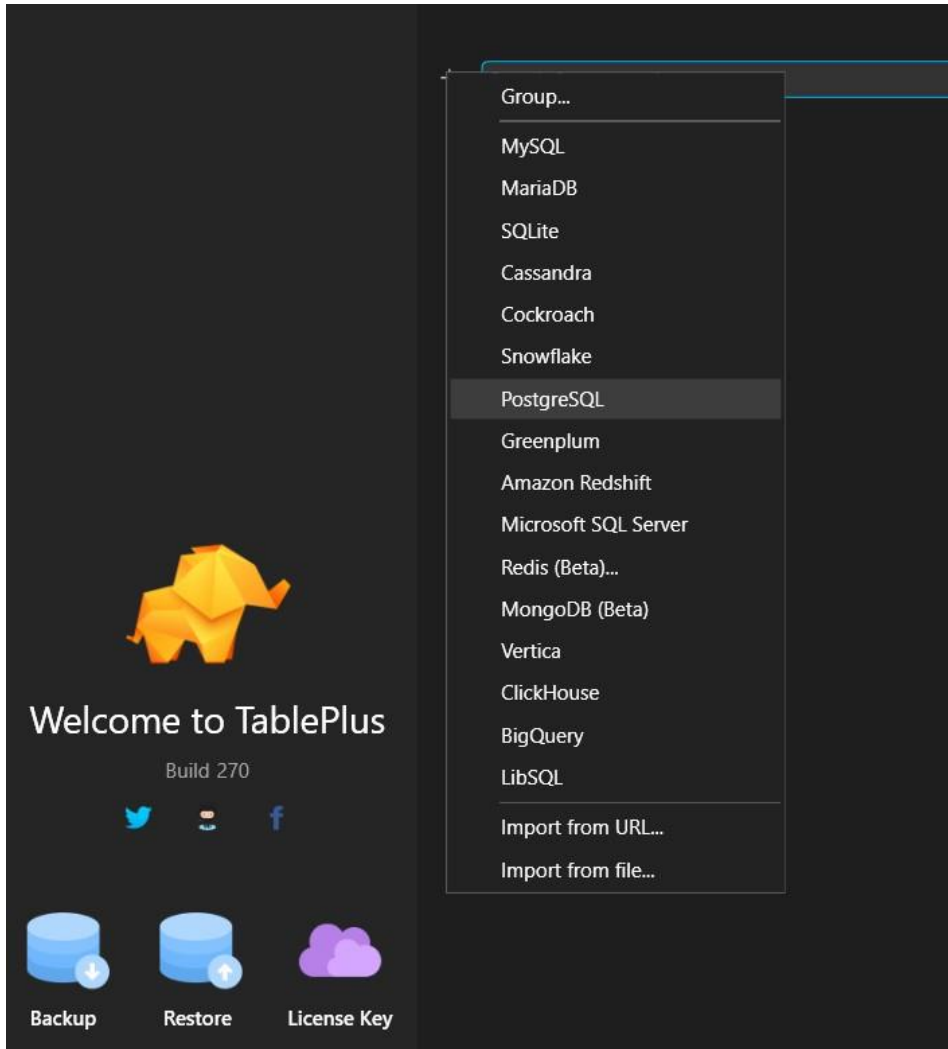
Windows PowerShell

```
PS C:\Users\luis_> docker run --name sistemas-postgres -dp 5432:5432 -e POSTGRES_PASSWORD=mysecretpassword postgres  
c9211dfc420bea0251bfa4ff3b77982076014f578d00e8d250bea0c0a47e200c
```

```
PS C:\Users\luis_> docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAM
ES						
c9211dfc420b	postgres	"docker-entrypoint.s..."	About a minute ago	Up About a minute	0.0.0.0:5432->5432/tcp	sis
temas-postgres						
e0e32d223e08	postgres	"docker-entrypoint.s..."	52 minutes ago	Up 52 minutes	5432/tcp	cor
huila-postgres						

```
PS C:\Users\luis_> |
```



https://hub.docker.com/_/postgres

POSTGRES_USER

This optional environment variable is used in conjunction with `POSTGRES_PASSWORD` to set a `user` and its password. This variable will create the specified `user` with super`user` power and a database with the same name. If it is not specified, then the default `user` of `postgres` will be used.

Be aware that if this parameter is specified, PostgreSQL will still show `The files belonging to this database system will be owned by user "postgres" during initialization. This refers to the Linux system user (from /etc/passwd in the image) that the postgres daemon runs as, and as such is unrelated to the POSTGRES_USER option. See the section titled "Arbitrary --user Notes" for more details.`

POSTGRES_DB

This optional environment variable can be used to define a different name for the default database that is created when the image is first started. If it is not specified, then the value of `POSTGRES_USER` will be used.

wikipedia.org/wiki/PostgreSQL



PostgreSQL

How to use this image

start a postgres instance

```
$ docker run --name some-postgres -e POSTGRES_PASSWORD=mysecretpassword -d postgres
```

The default `postgres` user and database are created in the entrypoint with `initdb`.

The postgres database is a default database meant for use by users, utilities and third party applications.

postgresql.org/docs

PostgreSQL

Name Postgres-corhuila

Status color Tag local

Host localhost Port

User postgres Other options

Password Store in keychain

Database Bootstrap commands...

SSL mode PREFERRED

Key... Cert... CA Cert...

Over SSH


Server Port

User

Password Store in keychain

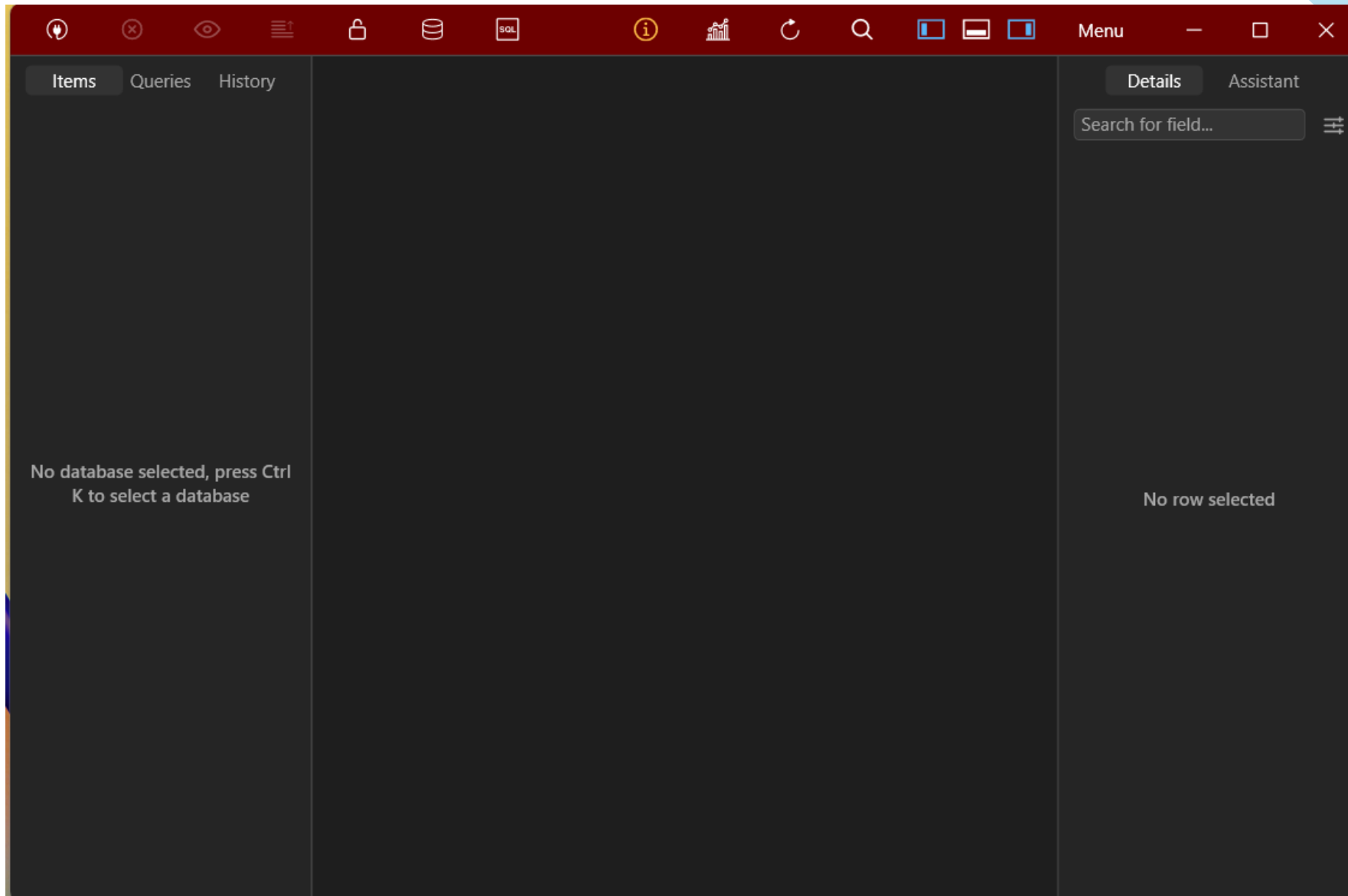
Use SSH Key SSH private key... Passphrase

Save Test Connect



TablePlus
Connection is ok

OK





Items Queries History

Search for item...

Functions

Tables

untitled_table_210

Name arquitectura

Primary

column_name	data_type	is_nullable	column_default
id	serial	NULL	NULL