

Dado que PSQL se aloja en el puerto 5432, abrir el puerto 5432 en la `MV Bases de Datos`.

Instances (1/3) Info

Last updated 2 minutes ago

Connect

Instance state

Actions

Launch instances

Find Instance by attribute or tag (case-sensitive)

All states

Instance state = running

Clear filters

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ..
<input type="checkbox"/>	maquinita	i-0cf6a01094e91f6c4	Running	t2.nano	2/2 checks passed	View alarms +	us-east-1a	ec2-44-213-124-55.co...	44.213.124.5
<input type="checkbox"/>	MV Pruebas	i-061f0a9befae5b355	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1c	ec2-54-235-231-255.co...	54.235.231.2
<input checked="" type="checkbox"/>	MV Bases de Datos	i-06ec30a979f90af34	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1d	ec2-54-85-74-153.com...	54.85.74.153

i-06ec30a979f90af34 (MV Bases de Datos)

Details

Status and alarms

Monitoring

Security

Networking

Storage

Tags

▼ Security details

IAM Role

-

Owner ID

645776466529

Launch time

Sun Sep 22 2024 15:28:44 GMT-0500 (Peru Standard Time)

Security groups

sg-03fece209095b324a (crear-mv-bd-InstanceSecurityGroup-xjrXX45OkkuX)

▼ Inbound rules

Filter rules

Name	Security group rule ID	Port range	Protocol	Source	Security groups	Description
-	sgr-0e5d8d43eb611bc99	5432	TCP	0.0.0.0/0	crear-mv-bd-InstanceSecurityGroup-x...	-
-	sgr-0f4e96286c8c3caf	22	TCP	0.0.0.0/0	crear-mv-bd-InstanceSecurityGroup-x...	-
-	sgr-0dbe90b41a947284d	8080	TCP	0.0.0.0/0	crear-mv-bd-InstanceSecurityGroup-x...	-
-	sgr-02c4b756203566fde	8005	TCP	0.0.0.0/0	crear-mv-bd-InstanceSecurityGroup-x...	-

▼ Outbound rules

© 2024, Amazon Web Services, Inc. or its affiliates.

Privacy

Terms

Cookie preferences

Ejecutar `docker run --name mypostgres_c -p 5432:5432 -e POSTGRES_PASSWORD=postgres -d postgres` para pullear y crear un contenedor de PostgreSQL mapeando el puerto 5432 de la VM al puerto 5432 que es donde PSQL se aloja en el container. Asimismo ingresar a la bash en modo interactivo y usar el comando `psql -U postgres` para ingresar a la terminal de postgres y crear la primera BD.

```
~$ docker run --name mypostgres_c -p 5432:5432 -e POSTGRES_PASSWORD=postgres -d postgres
21707b825bcd9b0a730a437fe7017cf84a653a87e25a44b348b66fdd97644178
~$ docker ps -a
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS                               NAMES
21707b825bcd   postgres "docker-entrypoint.s..." 7 seconds ago Up 7 seconds  0.0.0.0:5432->5432/tcp, :::5432->5432/tcp  mypostgres_c
f719bf66805e   adminer   "entrypoint.sh php -..." 9 minutes ago Up 9 minutes   0.0.0.0:8080->8080/tcp, :::8080->8080/tcp  adminer_c
17fdc585bdbd   mysql:8.0 "docker-entrypoint.s..." 13 minutes ago Up 13 minutes  33060/tcp, 0.0.0.0:8005->3306/tcp, :::8005->3306/tcp  mysql_c

~$ docker exec -it mypostgres_c bash
root@21707b825bcd:/# psql -U postgres
psql (16.4 (Debian 16.4-1.pgdg120+1))
Type "help" for help.

postgres=# DROP DATABASE IF EXISTS tienda;
```

Crear la BD y acceder a la BD desde la terminal con el comando `\c`

```
postgres=# DROP DATABASE IF EXISTS tienda;
NOTICE: database "tienda" does not exist, skipping
DROP DATABASE
postgres=# CREATE DATABASE tienda;
CREATE DATABASE
postgres=# USE tienda;
ERROR: syntax error at or near "USE"
LINE 1: USE tienda;
        ^

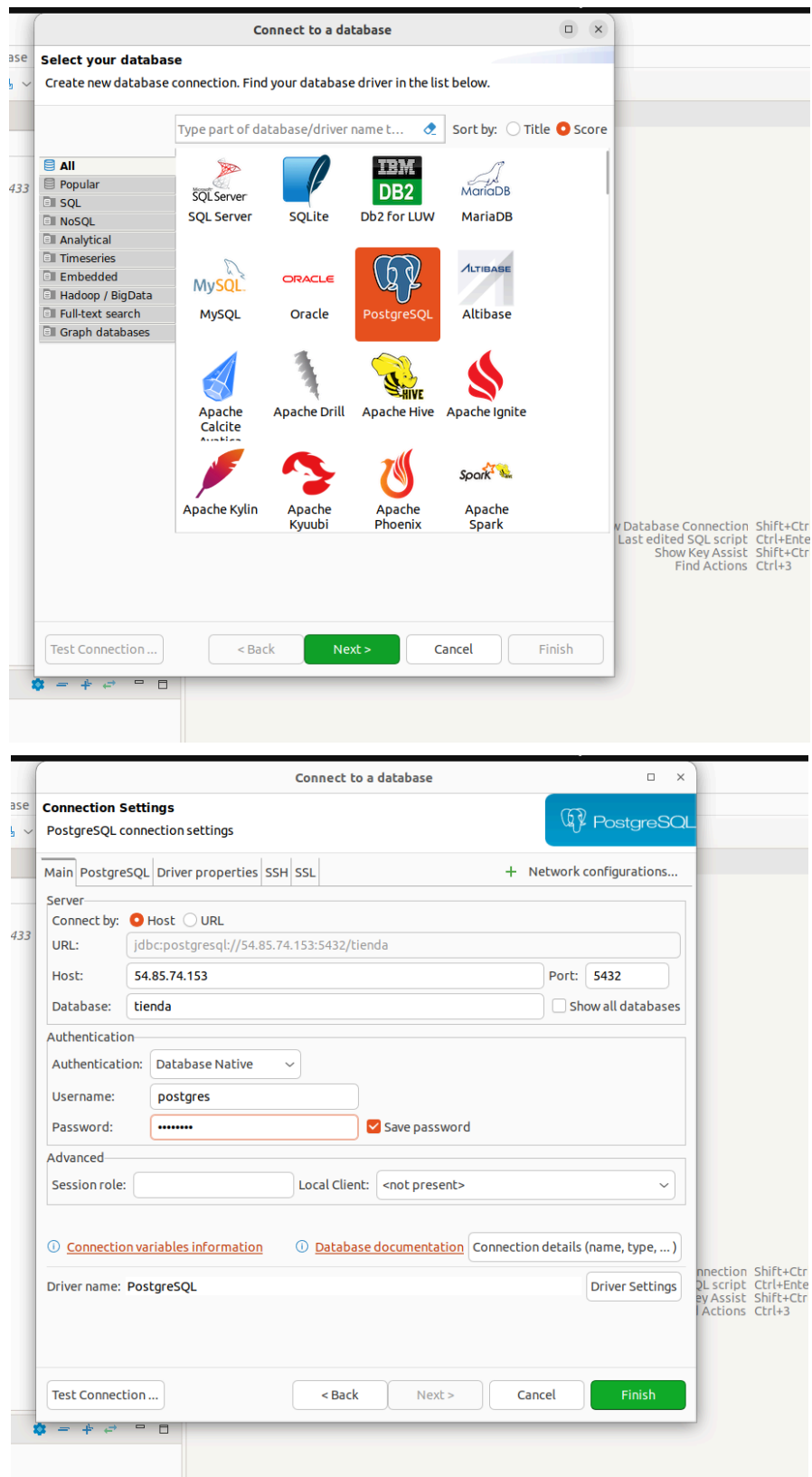
postgres=# \c tienda
You are now connected to database "tienda" as user "postgres".
tienda=# CREATE TABLE fabricantes (
```

Crear la tabla fabricantes, insertar registros y verificarlos.

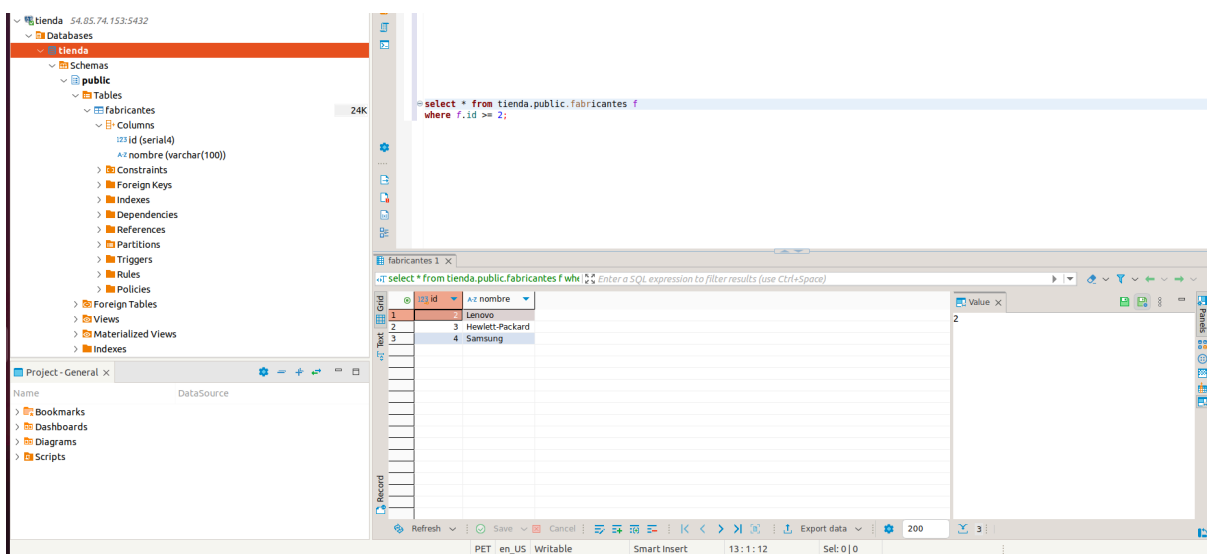
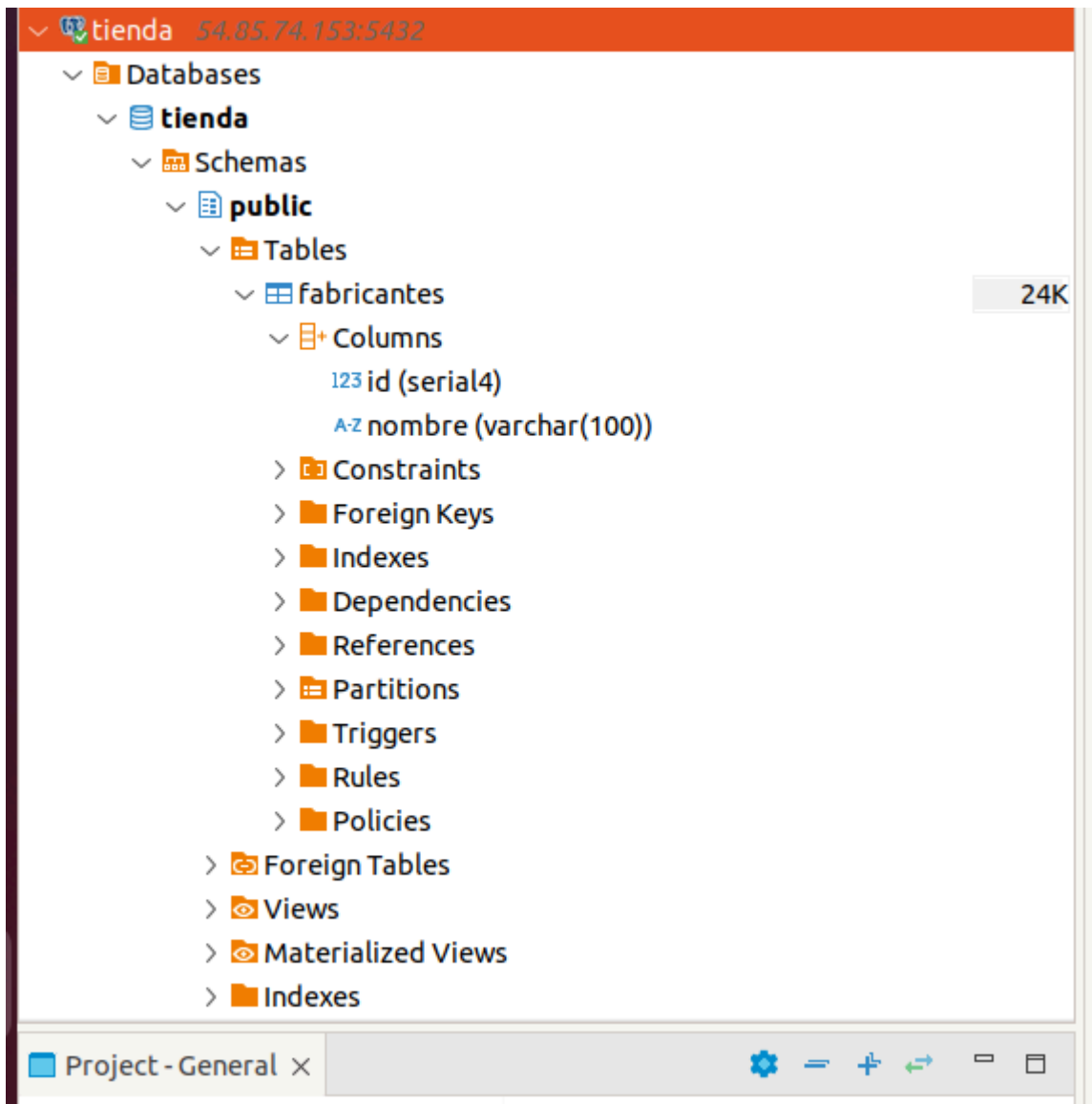
```
tienda=#
CREATE TABLE fabricantes (
    id SERIAL PRIMARY KEY,
    nombre VARCHAR(100) NOT NULL
);
CREATE TABLE
tienda=# INSERT INTO fabricantes(nombre) VALUES('Asus');
INSERT INTO fabricantes(nombre) VALUES('Lenovo');
INSERT INTO fabricantes(nombre) VALUES('Hewlett-Packard');
INSERT INTO fabricantes(nombre) VALUES('Samsung');
INSERT 0 1
INSERT 0 1
INSERT 0 1
INSERT 0 1
tienda=# SELECT * FROM fabricantes;
 id |      nombre
-----+-----
  1 | Asus
  2 | Lenovo
  3 | Hewlett-Packard
  4 | Samsung
(4 rows)

tienda=# █
```

Luego de instalar DBeaver, crear una nueva conexión usando la IP estática apuntando al puerto 5432.



Verificar la conexión exitosa a la BD, y luego ejecutar queries.



Del mismo modo se puede acceder mediante adminer.

< > ↻ Not secure 54.85.74.153:8080/?pgsql=54.85.74.153%3A5432

Language: English

Adminer 4.8.1

Login

(PostgreSQL) postgres@54.85.74.153:5

System	PostgreSQL
Server	54.85.74.153:5432
Username	postgres
Password	*****
Database	

Login ☐ Permanent login

< > ↻ Not secure 54.85.74.153:8080/?pgsql=54.85.74.153%3A5432&username=postgres&db=tienda&ns=public

Language: English

PostgreSQL » 54.85.74.153:5432 » tienda » Schema: public

Adminer 4.8.1

Schema: public

DB: tienda  
Schema: public

[SQL command](#) [Import](#)  
[Export](#) [Create table](#)

[select fabricantes](#)

[Alter schema](#) [Database schema](#)

Tables and views

Search data in tables (1)

<input type="checkbox"/>	Table	Engine	Collation	Data Length?	Index Length?	Data Free	Auto Increment	Rows?	Comment?
<input type="checkbox"/>	fabricantes	table		8,192	16,384	?		-1	
1 in total				8,192	16,384	0			

Selected (0)

[Vacuum](#) [Optimize](#) [Truncate](#) [Drop](#)

Move to other database: public [Move](#)

[Create table](#) [Create view](#)

Routines

[Create function](#)

Sequences

Name
<a href="#">fabricantes_id_seq</a>

[Create sequence](#)

User types

[Create type](#)

Asimismo, se puede validar los logs del container de Adminer.

```
:- $ docker logs adminer_c --follow
[Sun Sep 22 21:04:53 2024] PHP 7.4.33 Development Server (http://[::]:8080) started
[Sun Sep 22 21:05:07 2024] [::ffff:190.237.204.118]:54881 Accepted
[Sun Sep 22 21:05:07 2024] [::ffff:190.237.204.118]:54881 [200]: GET /
[Sun Sep 22 21:05:07 2024] [::ffff:190.237.204.118]:54881 Closing
[Sun Sep 22 21:05:07 2024] [::ffff:190.237.204.118]:54895 Accepted
[Sun Sep 22 21:05:19 2024] [::ffff:190.237.204.118]:54895 [302]: POST /
[Sun Sep 22 21:05:19 2024] [::ffff:190.237.204.118]:54895 Closing
[Sun Sep 22 21:05:19 2024] [::ffff:190.237.204.118]:54849 Accepted
[Sun Sep 22 21:06:19 2024] [::ffff:190.237.204.118]:54849 [403]: GET /?server=54.85.74.153%3A5432&username=postgres
[Sun Sep 22 21:06:19 2024] [::ffff:190.237.204.118]:54849 Closing
[Sun Sep 22 21:06:19 2024] [::ffff:190.237.204.118]:54858 Accepted
[Sun Sep 22 21:06:19 2024] [::ffff:190.237.204.118]:54798 Accepted
[Sun Sep 22 21:06:19 2024] [::ffff:190.237.204.118]:54858 [302]: POST /
[Sun Sep 22 21:06:19 2024] [::ffff:190.237.204.118]:54858 Closing
[Sun Sep 22 21:06:19 2024] [::ffff:190.237.204.118]:54794 Accepted
[Sun Sep 22 21:06:19 2024] [::ffff:190.237.204.118]:54798 [200]: GET /
[Sun Sep 22 21:06:19 2024] [::ffff:190.237.204.118]:54798 Closing
[Sun Sep 22 21:06:31 2024] [::ffff:190.237.204.118]:54794 [200]: GET /
[Sun Sep 22 21:06:31 2024] [::ffff:190.237.204.118]:54794 Closing
[Sun Sep 22 21:06:43 2024] [::ffff:190.237.204.118]:54905 Accepted
[Sun Sep 22 21:06:43 2024] [::ffff:190.237.204.118]:54905 [302]: POST /
[Sun Sep 22 21:06:43 2024] [::ffff:190.237.204.118]:54905 Closing
[Sun Sep 22 21:06:43 2024] [::ffff:190.237.204.118]:54910 Accepted
[Sun Sep 22 21:06:43 2024] [::ffff:190.237.204.118]:54910 [403]: GET /?pgsql=54.85.74.153%3A5432&username=
[Sun Sep 22 21:06:43 2024] [::ffff:190.237.204.118]:54910 Closing
[Sun Sep 22 21:06:50 2024] [::ffff:190.237.204.118]:47834 Accepted
[Sun Sep 22 21:06:50 2024] [::ffff:190.237.204.118]:47834 [302]: POST /?pgsql=54.85.74.153%3A5432&username=
[Sun Sep 22 21:06:50 2024] [::ffff:190.237.204.118]:47834 Closing
[Sun Sep 22 21:06:50 2024] [::ffff:190.237.204.118]:47830 Accepted
[Sun Sep 22 21:06:50 2024] [::ffff:190.237.204.118]:47830 [403]: GET /?pgsql=54.85.74.153%3A5432&username=postgres
[Sun Sep 22 21:06:50 2024] [::ffff:190.237.204.118]:47830 Closing
[Sun Sep 22 21:06:55 2024] [::ffff:190.237.204.118]:47795 Accepted
[Sun Sep 22 21:06:55 2024] [::ffff:190.237.204.118]:47795 [302]: POST /?pgsql=54.85.74.153%3A5432&username=postgres
[Sun Sep 22 21:06:55 2024] [::ffff:190.237.204.118]:47795 Closing
[Sun Sep 22 21:06:55 2024] [::ffff:190.237.204.118]:47833 Accepted
[Sun Sep 22 21:06:55 2024] [::ffff:190.237.204.118]:47833 [200]: GET /?pgsql=54.85.74.153%3A5432&username=postgres
[Sun Sep 22 21:06:55 2024] [::ffff:190.237.204.118]:47833 Closing
[Sun Sep 22 21:07:03 2024] [::ffff:190.237.204.118]:47841 Accepted
[Sun Sep 22 21:07:03 2024] [::ffff:190.237.204.118]:47841 [302]: GET /?pgsql=54.85.74.153%3A5432&username=postgres&db=tienda
[Sun Sep 22 21:07:03 2024] [::ffff:190.237.204.118]:47841 Closing
[Sun Sep 22 21:07:03 2024] [::ffff:190.237.204.118]:47765 Accepted
[Sun Sep 22 21:07:04 2024] [::ffff:190.237.204.118]:47765 [200]: GET /?pgsql=54.85.74.153%3A5432&username=postgres&db=tienda&ns=public
```