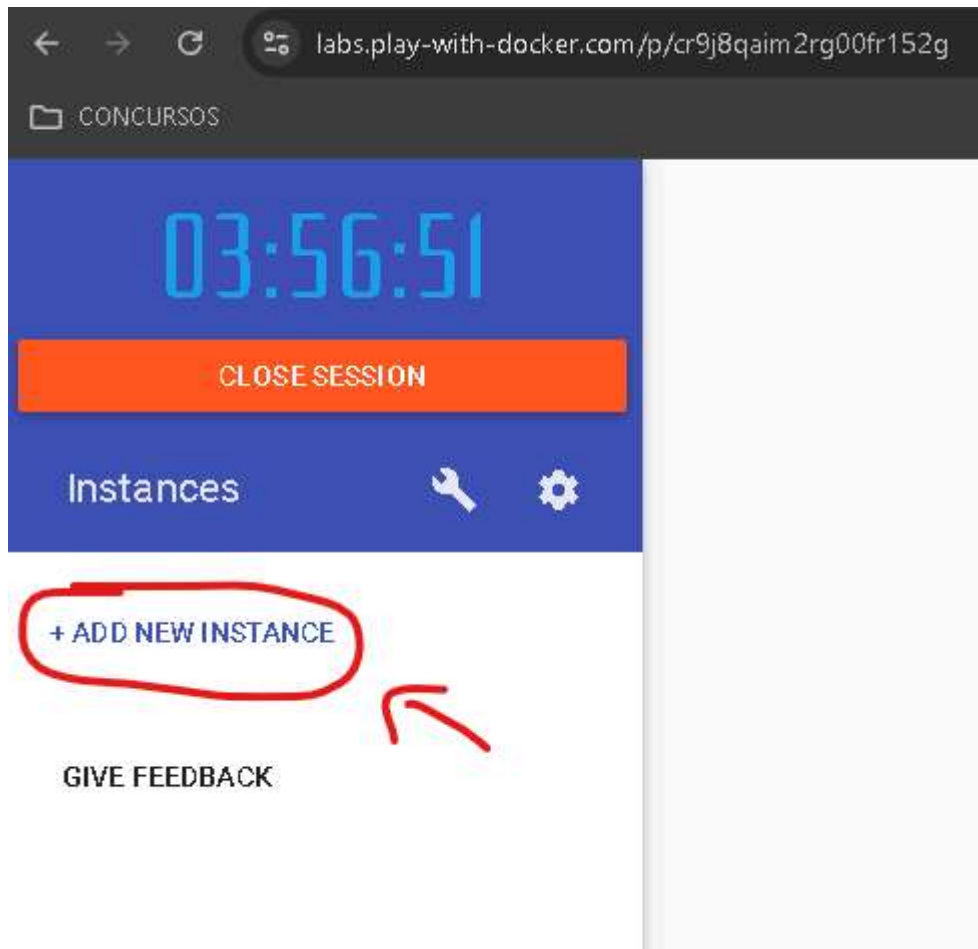


TUTORIAL POSTGRESQL + PGADMIN 4 + DOCKER COMPOSE

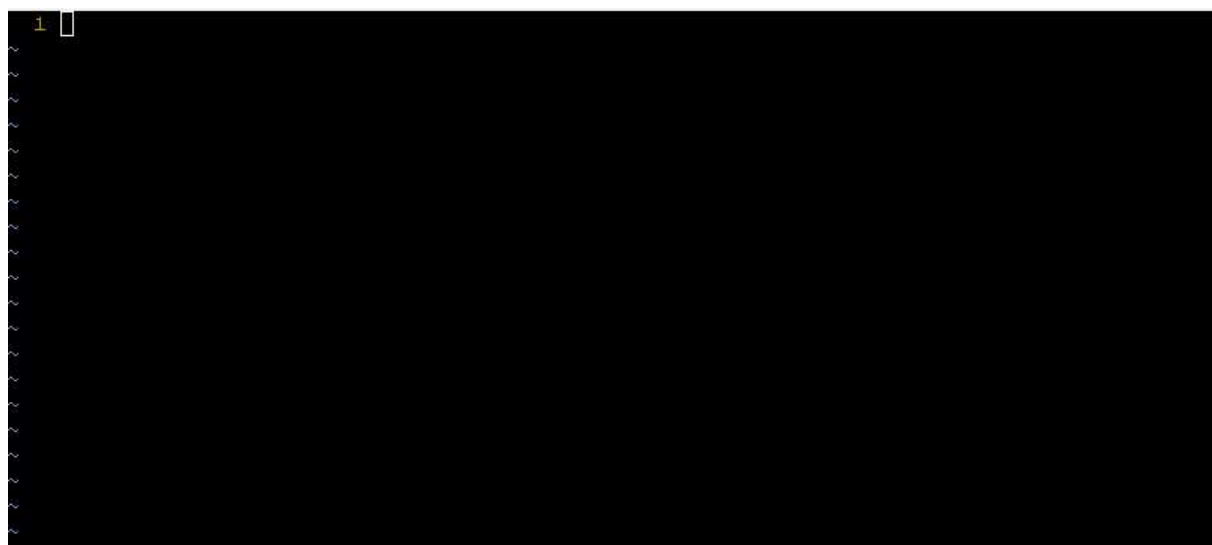
ABRA O PLAY WITH DOCKER E ADICIONE NOVA INSTÂNCIA



NO TERMINAL DA INSTÂNCIA UTILIZE O SEGUINTE COMANDO PARA CRIAR O ARQUIVO DO DOCKER COMPOSE:

vim docker-compose.yml

```
[node1] (local) root@192.168.0.18 ~  
$ vim docker-compose.yml
```



DENTRO DESSE ARQUIVO ADICIONE OS PARÂMETROS ABAIXO:

version: '3'

services:

postgres:

image: postgres:latest

container_name: teste-postgres-compose

ports:

- "15432:5432"

environment:

POSTGRES_USER: postgres

POSTGRES_PASSWORD: Postgres2019!

POSTGRES_DB: testdb

volumes:

- ./data:/var/lib/postgresql/data

networks:

- postgres-network

pgadmin:

image: dpage/pgadmin4

container_name: teste-pgadmin-compose

ports:

- "16543:80"

environment:

PGADMIN_DEFAULT_EMAIL: admin@admin.com

PGADMIN_DEFAULT_PASSWORD: admin

networks:

- postgres-network

networks:

postgres-network:

driver: bridge

```
1 version: '3'
2 services:
3   postgres:
4     image: postgres:latest
5     container_name: teste-postgres-compose
6     ports:
7       - "15432:5432"
8     environment:
9       POSTGRES_USER: postgres
10      POSTGRES_PASSWORD: Postgres2019!
11      POSTGRES_DB: testdb
12     volumes:
13       - ./data:/var/lib/postgresql/data
14     networks:
15       - postgres-network
16
17   pgadmin:
18     image: dpage/pgadmin4
19     container_name: teste-pgadmin-compose
20     ports:
21       - "16543:80"
22     environment:
23       PGADMIN_DEFAULT_EMAIL: admin@admin.com
24       PGADMIN_DEFAULT_PASSWORD: admin
25     networks:
26       - postgres-network
27 networks:
28   postgres-network:
29     driver: bridge
```

USE O COMANDO ABAIXO PARA INICIAR OS SERVIÇOS DEFINIDOS NO DOCKER-COMPOSE.YML

docker-compose up -d

```
[node1] (local) root@192.168.0.28 ~
$ docker-compose up -d
[+] Running 32/32
✓ pgadmin 16 layers [#####] 0B/0B Pulled
✓ c6a83fedfae6 Pull complete
✓ 619d0a6a7c99 Pull complete
✓ 3de6380aa402 Pull complete
✓ d723eeefa670 Pull complete
✓ d723eeefa670 Pull complete
✓ 640abd5dc44d Pull complete
✓ 9bda03a84128 Pull complete
✓ fd117385eb9a Pull complete
✓ 95affcb58b46 Pull complete
✓ 3f18a4e2ceal Pull complete
✓ 3bf5516efd05 Pull complete
✓ 522df253f742 Pull complete
✓ 14dc6f70ba21 Pull complete
✓ cf6c1ba3a70a Pull complete
✓ da6259735dlf Pull complete
✓ b24bc2869d0c Pull complete
✓ 58c10b0ead37 Pull complete
✓ postgres 14 layers [#####] 0B/0B Pulled
✓ e4fff0779e6d Pull complete
✓ 3dd23fa89c28 Pull complete
✓ 9110f5284332 Pull complete
✓ b2a5b191a941 Pull complete
✓ f0baaflc42c6 Pull complete
✓ 3c42bd6bf488 Pull complete
✓ cb55f9f5ebf8 Pull complete
✓ 6eeec50ef8e1 Pull complete
✓ ba3dlf8aa002 Pull complete
✓ 199cdf05dfec Pull complete
✓ 438dl47df750 Pull complete
✓ a2e706f2e593 Pull complete
✓ 2505d0b60422 Pull complete
✓ 133de8acf4aa Pull complete
[+] Building 0.0s (0/0)
[+] Running 3/3
✓ Network root_postgres-network Created
✓ Container teste-pgadmin-compose Started
✓ Container teste-postgres-compose Started
[node1] (local) root@192.168.0.28 ~
```

PERCEBA QUE APÓS CONCLUIR, AS PORTAS QUE FORAM PARAMETRIZADAS ABRIRAM NO PLAY WITH DOCKER, CONFORME IMAGEM ABAIXO:



- Postgres:

5432: Esta é a porta padrão em que o PostgreSQL escuta dentro do contêiner.

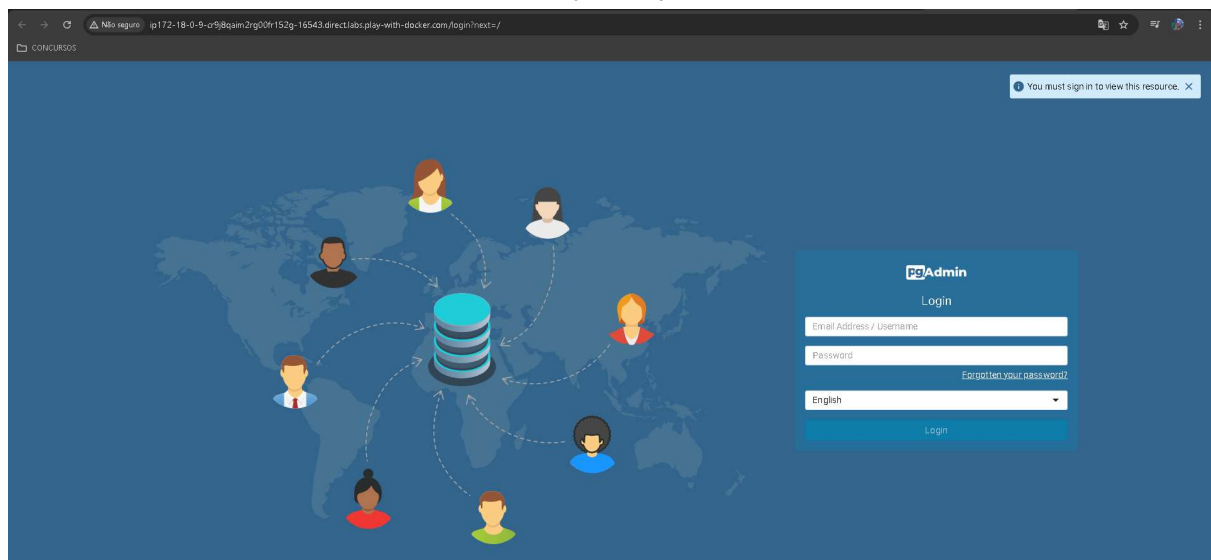
15432: Esta é a porta no host (a máquina em que o Docker está rodando) que será mapeada para a porta 5432 do contêiner.

- pgAdmin:

80: Esta é a porta padrão do HTTP dentro do contêiner, onde o pgAdmin4 estará servindo a interface web.

16543: Esta é a porta no host que será mapeada para a porta 80 do contêiner.

ACESSE A PORTA DA INTERFACE WEB (16543):

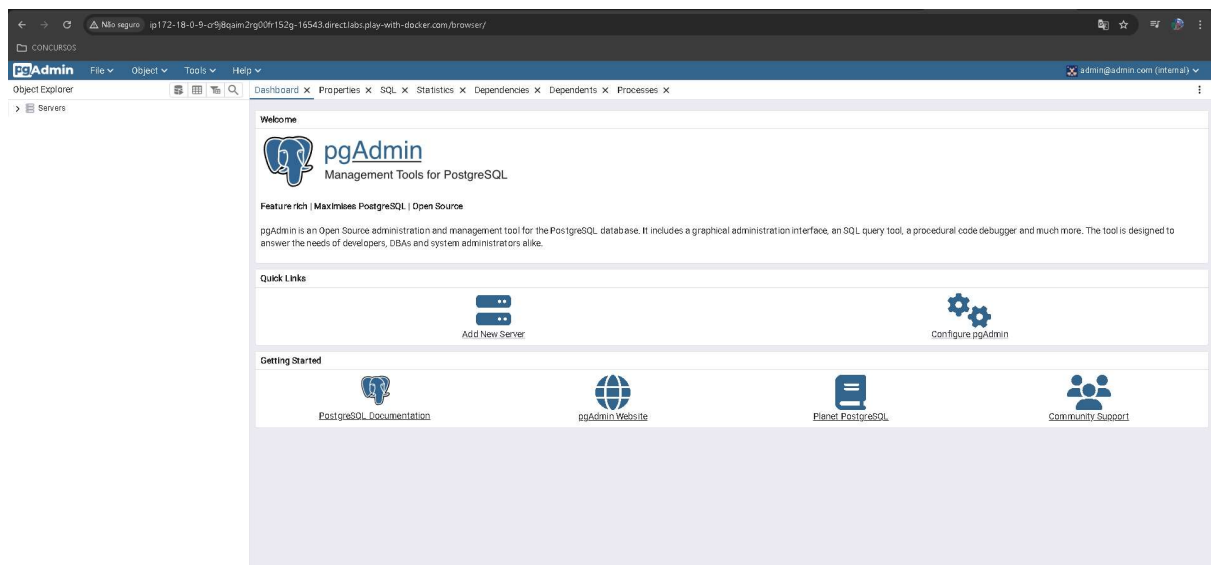


UTILIZE AS SEGUINTE CREDENCIAIS:

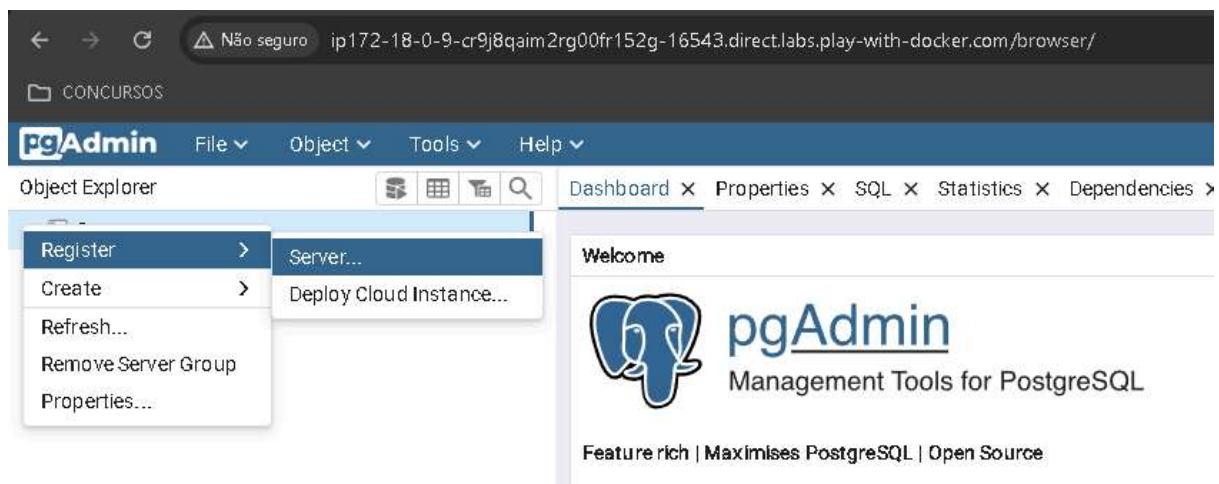
Email: admin@admin.com

Senha: admin

PRONTO, VOCÊ ESTÁ ACESSANDO A INTERFACE WEB.



CLIQUE COM O BOTÃO DIREITO EM SERVERS > REGISTER > SERVER



EM 'GENERAL' DEFINA UM NOME

The screenshot shows the 'Register - Server' dialog box with the 'General' tab selected. The 'Name' field contains the text 'teste-postgres-compose'. The 'Server group' dropdown is set to 'Servers'. The 'Background' and 'Foreground' checkboxes are both checked. The 'Connect now?' toggle is turned on. The 'Shared?' toggle is turned off. The 'Shared Username' field is empty. The 'Comments' field is empty. At the bottom, there are buttons for 'Close', 'Reset', and 'Save'.

Field	Value
Name	teste-postgres-compose
Server group	Servers
Background	<input checked="" type="checkbox"/>
Foreground	<input checked="" type="checkbox"/>
Connect now?	<input checked="" type="checkbox"/>
Shared?	<input type="checkbox"/>
Shared Username	
Comments	

EM 'CONNECTION' ADICIONE AS INFORMAÇÕES ABAIXO:

The screenshot shows the 'Register - Server' dialog box with the 'Connection' tab selected. The 'Host name/address' field contains 'postgres'. The 'Port' field contains '5432'. The 'Maintenance database' field contains 'postgres'. The 'Username' field contains 'postgres'. The 'Kerberos authentication?' toggle is turned off. The 'Password' field is masked with dots. The 'Save password?' toggle is turned on. The 'Role' and 'Service' fields are empty. At the bottom, there are buttons for 'Close', 'Reset', and 'Save'.

Field	Value
Host name/address	postgres
Port	5432
Maintenance database	postgres
Username	postgres
Kerberos authentication?	<input type="checkbox"/>
Password
Save password?	<input checked="" type="checkbox"/>
Role	
Service	

Host name/address: postgres

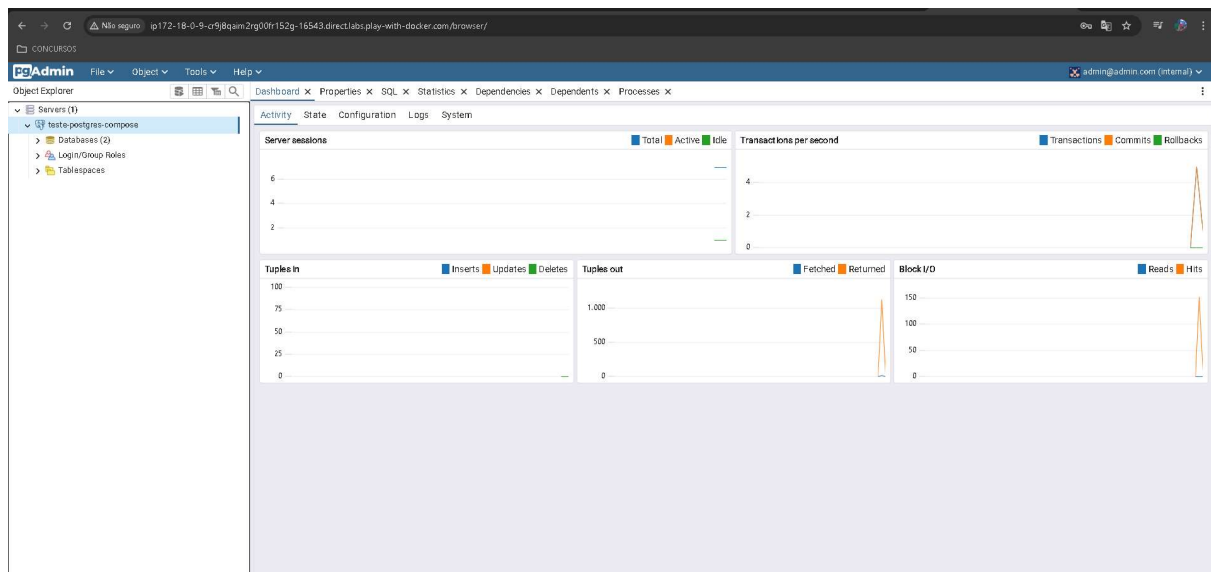
Port: 5432

Maintenance database: postgres

Username: postgres

Password: Postgres2019!

CLIQUE EM 'SAVE'



PRONTO, O POSTGRES ESTÁ PRONTO PARA USO.