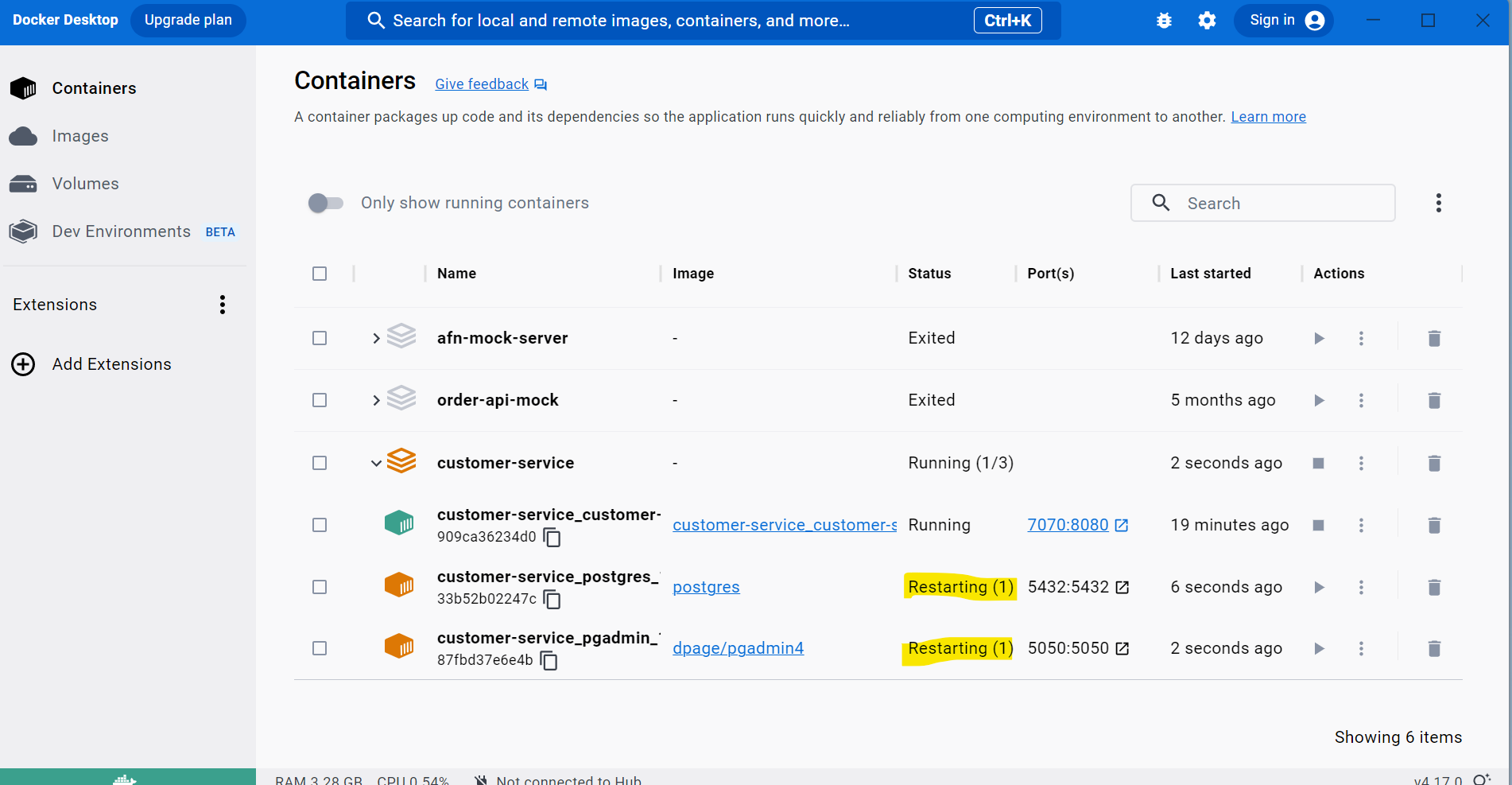
**Docker Container**



**Errors for Postgres & PGAdmin**

2023-03-22 12:19:34 2023-03-22 06:49:34.893 INFO 7 --- [or-http-epoll-3] c.a.n.c.controller.CustomerController : Request received to get customer details for customerTpe : Corporate

2023-03-22 12:19:44 2023-03-22 06:49:44.944 ERROR 7 --- [tor-tcp-epoll-3] c.a.n.c.controller.CustomerController : Error occurred for customerType Corporate : Failed to obtain R2DBC Connection; nested exception is io.r2dbc.postgresql.PostgresqlConnectionFactory$PostgresConnectionException: Cannot connect to postgres:5432

2023-03-22 12:19:44 2023-03-22 06:49:44.948 ERROR 7 --- [tor-tcp-epoll-3] c.a.n.c.e.CustomExceptionHandler : Failed to obtain R2DBC Connection; nested exception is io.r2dbc.postgresql.PostgresqlConnectionFactory$PostgresConnectionException: Cannot connect to postgres:5432 status code 500 INTERNAL\_SERVER\_ERROR

#### Postgress #####

Error: Database is uninitialized and superuser password is not specified.

2023-03-22 12:23:59 You must specify POSTGRES\_PASSWORD to a non-empty value for the

2023-03-22 12:23:59 superuser. For example, "-e POSTGRES\_PASSWORD=password" on "docker run".

2023-03-22 12:23:59

2023-03-22 12:23:59 You may also use "POSTGRES\_HOST\_AUTH\_METHOD=trust" to allow all

2023-03-22 12:23:59 connections without a password. This is \*not\* recommended.

2023-03-22 12:23:59

2023-03-22 12:23:59 See PostgreSQL documentation about "trust":

2023-03-22 12:23:59 https://www.postgresql.org/docs/current/auth-trust.html

####PGAdmin ####

2023-03-22 12:26:05 You need to define the PGADMIN\_DEFAULT\_EMAIL and PGADMIN\_DEFAULT\_PASSWORD or PGADMIN\_DEFAULT\_PASSWORD\_FILE environment variables

**Below docker-compose syntax works**

version: '3.1'

services:

postgres:

image: postgres

restart: always

ports:

- 5432:5432

volumes:

- 'postgres\_data:/data/db'

environment:

POSTGRES\_INITDB\_ROOT\_USERNAME: ${POSTGRES\_USER}

POSTGRES\_INITDB\_ROOT\_PASSWORD: ${POSTGRES\_PASSWORD}

POSTGRES\_HOST\_AUTH\_METHOD: trust

pgadmin:

image: dpage/pgadmin4

restart: always

ports:

- 5050:5050

depends\_on:

- postgres

environment:

ME\_CONFIG\_POSTGRES\_ADMINUSERNAME: ${POSTGRES\_USER}

ME\_CONFIG\_POSTGRES\_ADMINPASSWORD: ${POSTGRES\_PASSWORD}

ME\_CONFIG\_POSTGRES\_PORT: ${POSTGRES\_PORT}

ME\_CONFIG\_POSTGRES\_SERVER: ${POSTGRES\_HOST}

PGADMIN\_DEFAULT\_EMAIL: server@myapp.de

PGADMIN\_DEFAULT\_PASSWORD: XXXX

customer-service:

build:

context: .

dockerfile: Dockerfile

ports:

- 7070:8080

environment:

ENVIRONMENT: ${ENVIRONMENT}

SPRING\_BOOT\_PROFILE: ${SPRING\_BOOT\_PROFILE}

POSTGRES\_USER: ${POSTGRES\_USER}

POSTGRES\_PASSWORD: ${POSTGRES\_PASSWORD}

POSTGRES\_HOST: ${POSTGRES\_HOST}

POSTGRES\_PORT: ${POSTGRES\_PORT}

POSTGRES\_NAME: ${POSTGRES\_NAME}

LOGGING\_LEVEL\_API: ${LOGGING\_LEVEL\_API}

LOGGING\_LEVEL\_POSTGRES: ${LOGGING\_LEVEL\_POSTGRES}

volumes:

postgres\_data:

driver: local

**Again getting error like below**

2023-03-22 12:48:56 2023-03-22 07:18:56.914 WARN 7 --- [tor-tcp-epoll-5] i.r.p.client.ReactorNettyClient : Error: SEVERITY\_LOCALIZED=FATAL, SEVERITY\_NON\_LOCALIZED=FATAL, CODE=3D000, MESSAGE=**database "reactivedemo" does not exist**, FILE=postinit.c, LINE=941, ROUTINE=InitPostgres

**Note:**

Change your pgAdmin mapping in both file(docker-compose.yml & local.env file)

postgres:

container\_name: pg\_container

image: postgres

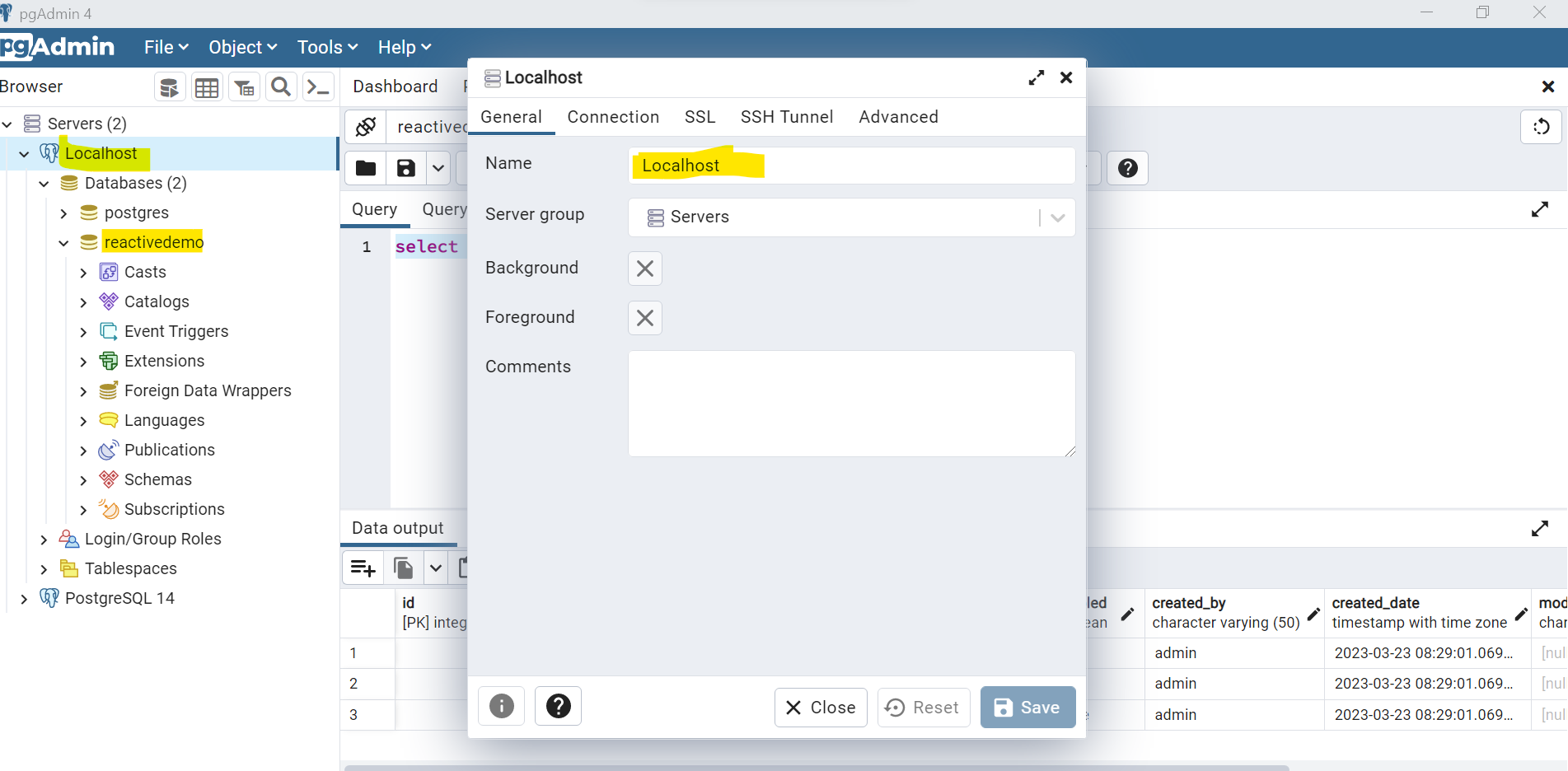
restart: always

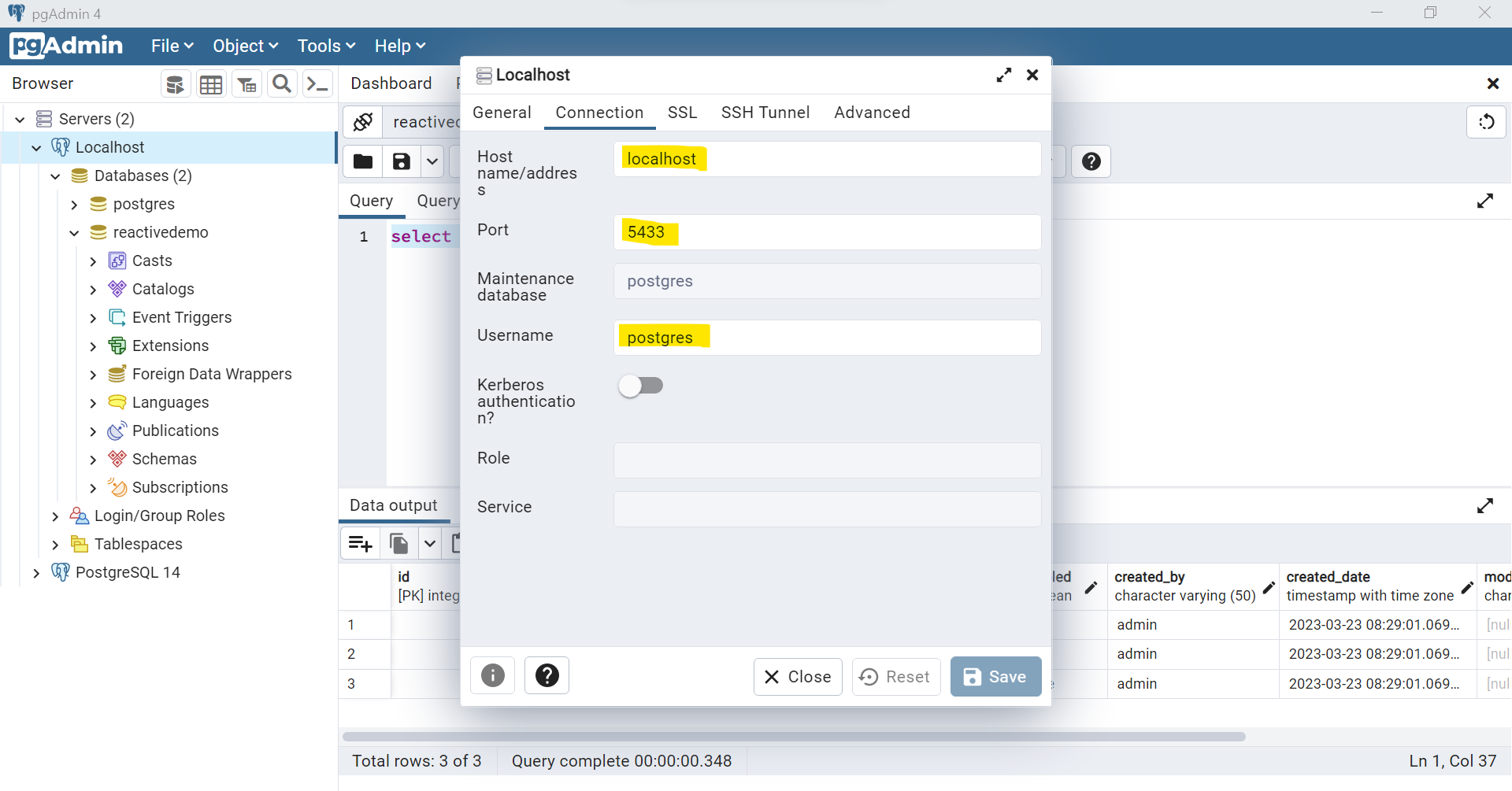
ports:

- **5433:5432**

**And then run docker compose up -d –build**

**Open your pgAdmin and register your docker postgres port**





Graphical user interface, application

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Graphical user interface, text

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

**We can run using docker CLI (windows->PowerShell)**

Setup Postgres Database - Setup Postgres using Docker: https://www.youtube.com/watch?v=3fV-YsQiRAQ

Connect with postgres usign docker CLI command: <https://www.youtube.com/watch?v=VIEkFUmBp6I>

\l : show all the databses

Shell commands for postgres:

https://chartio.com/resources/tutorials/how-to-list-databases-and-tables-in-postgresql-using-psql/

<https://gist.github.com/jessepinkman9900/3f65e33ffd84abc84bd331d464d55c11>

