

```
version: '3.8'

services:
  postgres:
    image: postgres:17.5
    container_name: logistics-postgres-container
    environment:
      POSTGRES_DB: logistics
      POSTGRES_USER: user
      POSTGRES_PASSWORD: userpassword
    ports:
      - "5432:5432"
    volumes:
      - logistics_postgres_data:/var/lib/postgresql/data
    restart: unless-stopped

  pgadmin:
    image: dpage/pgadmin4:9.5.0
    container_name: logistics-pgadmin-container
    depends_on:
      - postgres
    ports:
      - "8082:80"
    environment:
      PGADMIN_DEFAULT_EMAIL: admin@logistics.com
      PGADMIN_DEFAULT_PASSWORD: admin123
      PGADMIN_LISTEN_PORT: 80
    restart: unless-stopped

volumes:
  logistics_postgres_data:

# Docker frequently command to use

# If running from the terminal:
# podman compose -f logistics.yml up -d

# Inspect these volumes:
# podman volume ls
# podman volume inspect logistics_postgres_data
```

```
# Manually delete them
# podman volume rm logistics_postgres_data

# Access bash
# podman exec -it logistics-postgres-container bash
```

Register - Server



General **Connection** Parameters SSH Tunnel Advanced Post Connection SQL Tags

Host name/address	<input type="text" value="postgres"/>
Port	<input type="text" value="5432"/>
Maintenance database	<input type="text" value="logistics"/>
Username	<input type="text" value="user"/>
Kerberos authentication?	<input type="checkbox"/>
Password	<input type="password" value="....."/>
Save password?	<input type="checkbox"/>
Role	<input type="text"/>
Service	<input type="text"/>



Close

Reset

Save

Connect in microservices:

```
spring:
  datasource:
    url: jdbc:postgresql://localhost:5432/logistics
    username: user
    password: userpassword
    driver-class-name: org.postgresql.Driver

jpa:
  show-sql: true
  hibernate:
```

```
ddl-auto: update
database-platform: org.hibernate.dialect.PostgreSQLDialect
```

Dependency:

```
<dependency>
  <groupId>org.postgresql</groupId>
  <artifactId>postgresql</artifactId>
  <scope>runtime</scope>
</dependency>

<dependency>
  <groupId>org.springframework.boot</groupId>
  <artifactId>spring-boot-starter-data-jpa</artifactId>
</dependency>
```

Delete all table in postgres:

```
-- Drop all tables in the current schema
DO $$ DECLARE
  r RECORD;
BEGIN
  FOR r IN (SELECT tablename FROM pg_tables WHERE schemaname =
current_schema()) LOOP
    EXECUTE 'DROP TABLE IF EXISTS "' || r.tablename || '" CASCADE';
  END LOOP;
END $$;
```