

Relational databases & SQL

Introduction with PostgreSQL

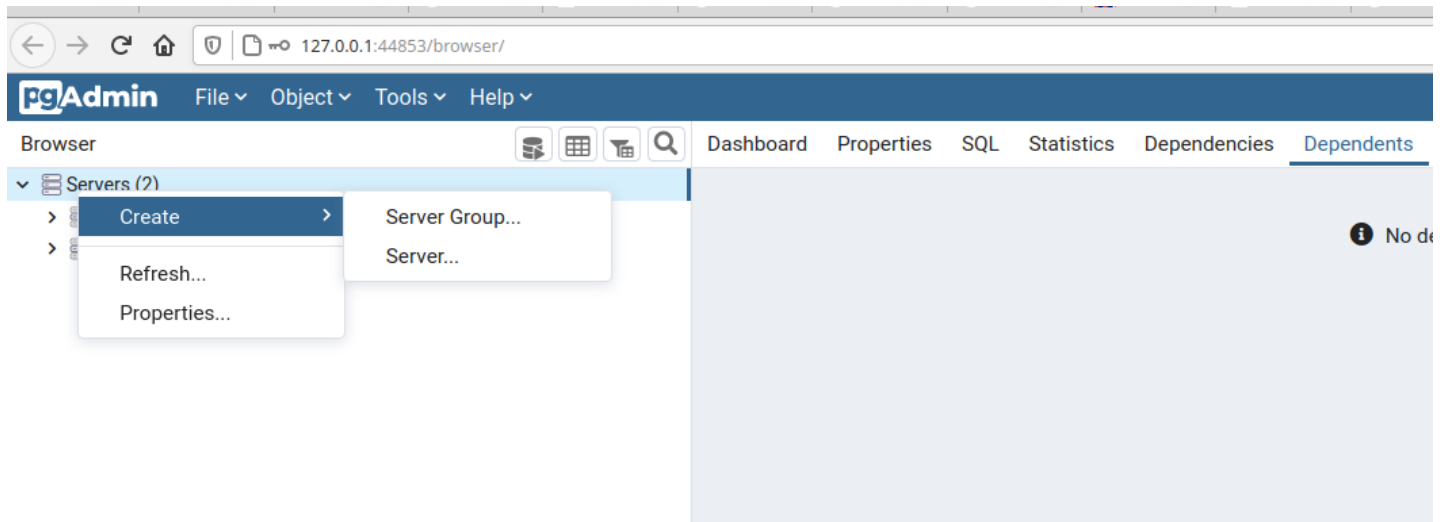
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PgAdmin4

Create Server

- name
- host



Create - Server

General

Connection

SSL

SSH Tunnel

Advanced

Host name/address

localhost

Port

5432

Maintenance database

postgres

Username

postgres

Password

.....

Save password?

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Role

Service

i

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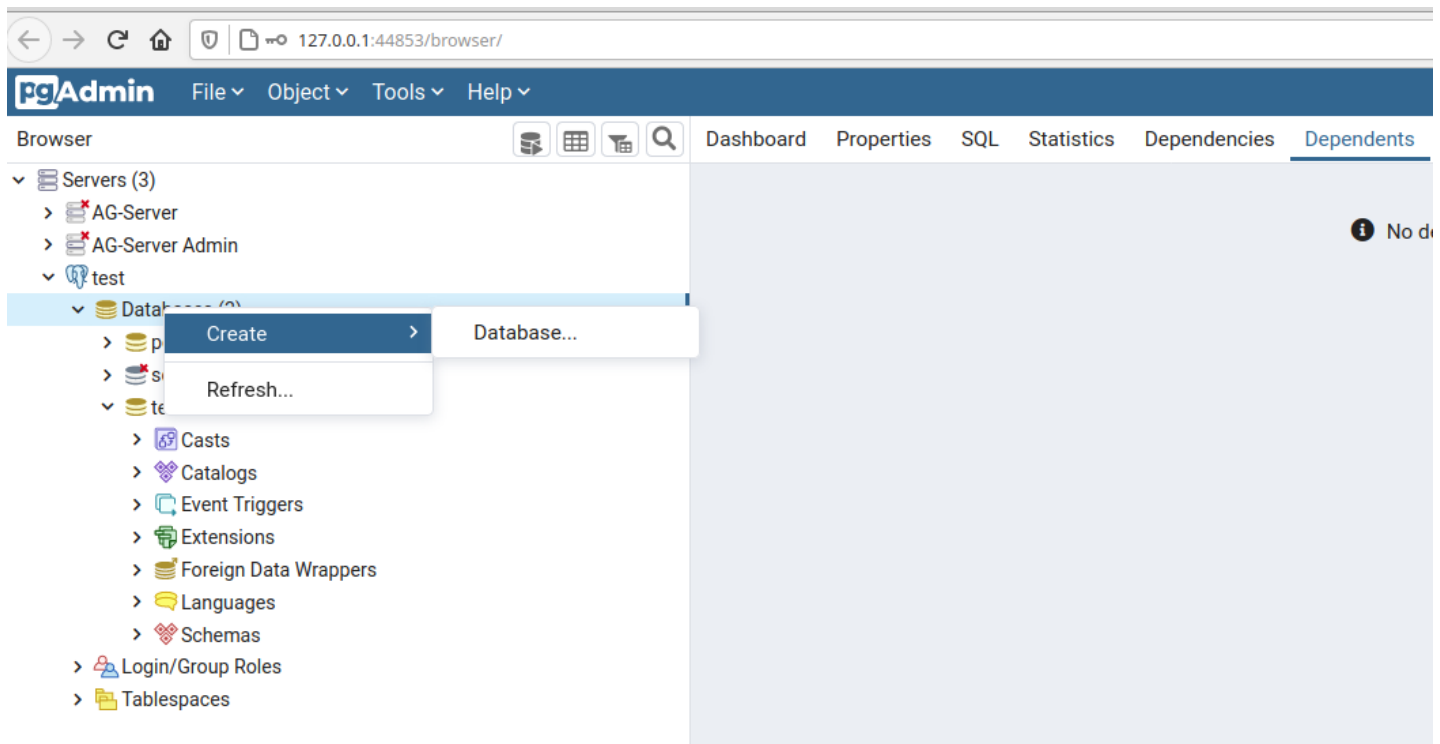
Cancel

Reset

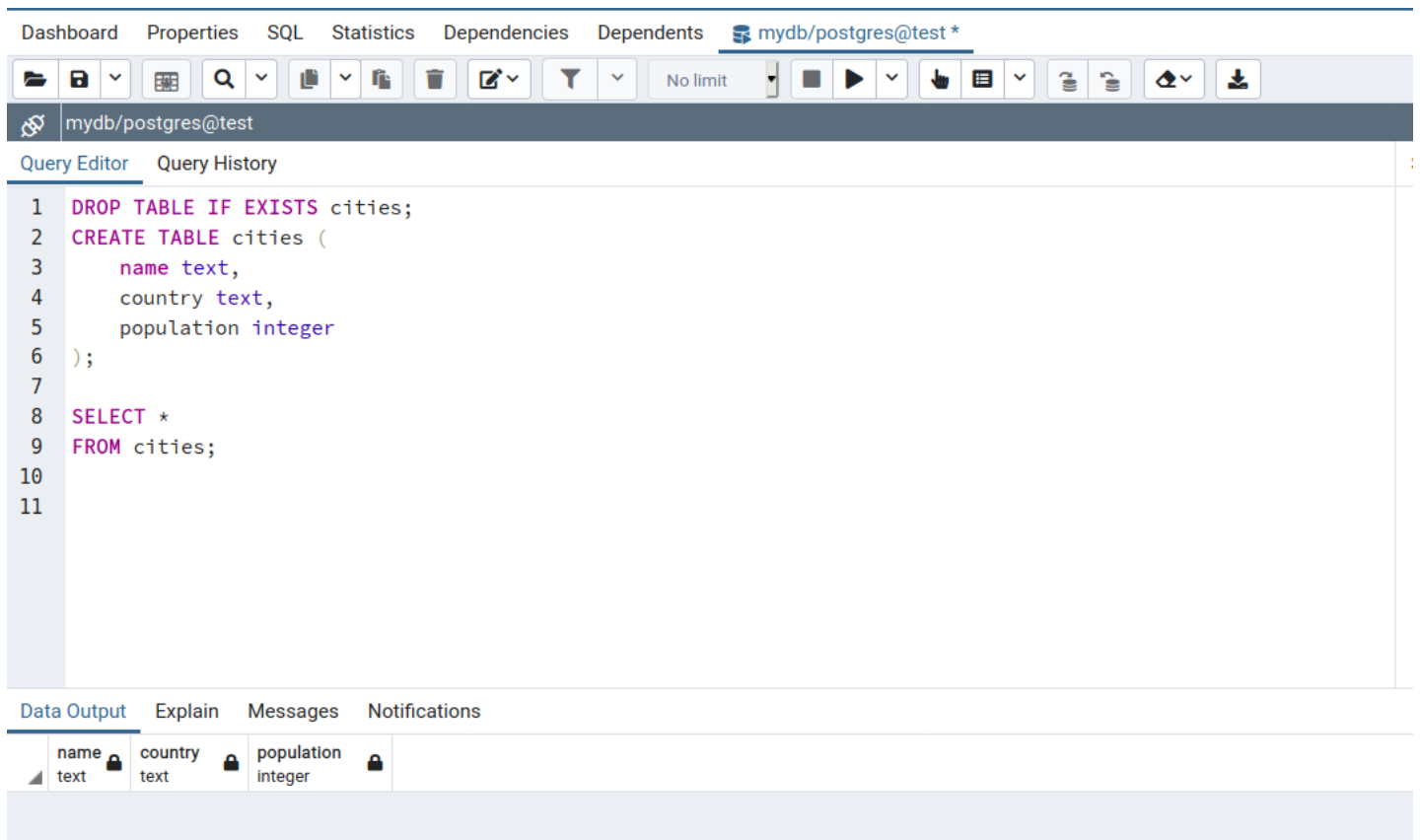
Save

Create database

- host: localhost
- port: 5432
- username: postgres
- password:



SQL Query tool



R

Read data

```
sit = readRDS('SQL/data/sit.rds')
sam = readRDS('SQL/data/sam.rds')
```

Write to PostgreSQL

```
require(RPostgreSQL)

drv = dbDriver('PostgreSQL')
con = dbConnect(
  drv = drv,
  host = 'localhost',
  port = 5432,
  dbname = 'test',
  user = 'postgres',
  password = 'whatever'
)

dbWriteTable(con, name = 'sites', value = sit,
             overwrite = TRUE, row.names = FALSE)

dbDisconnect(con)
dbUnloadDriver(drv)
```