

Django Series

**Get Started**

**With**

**Postgresql  
& Django**

**#pythonworld**



# Introduction



Postgresql is an another popular and very powerful SQL database, and it is widely used database with django.

Let's explore the features of postgresql database and how we can integrate with django.

# Features of Postgresql

ACID Compliance

Advanced Indexing

JSON Support

Data Types

Scalability

Full Text Search

Concurrency Control

Advanced Security

Partitioning

Foreign Data Wrappers

and many more.....

# Install Postgresql

You just need to install postgresql database and pgadmin in your machine by follow the official postgres installation page.



# Install connector

After that you just need to install the connector for postgresql, that will connect postgres database with django.

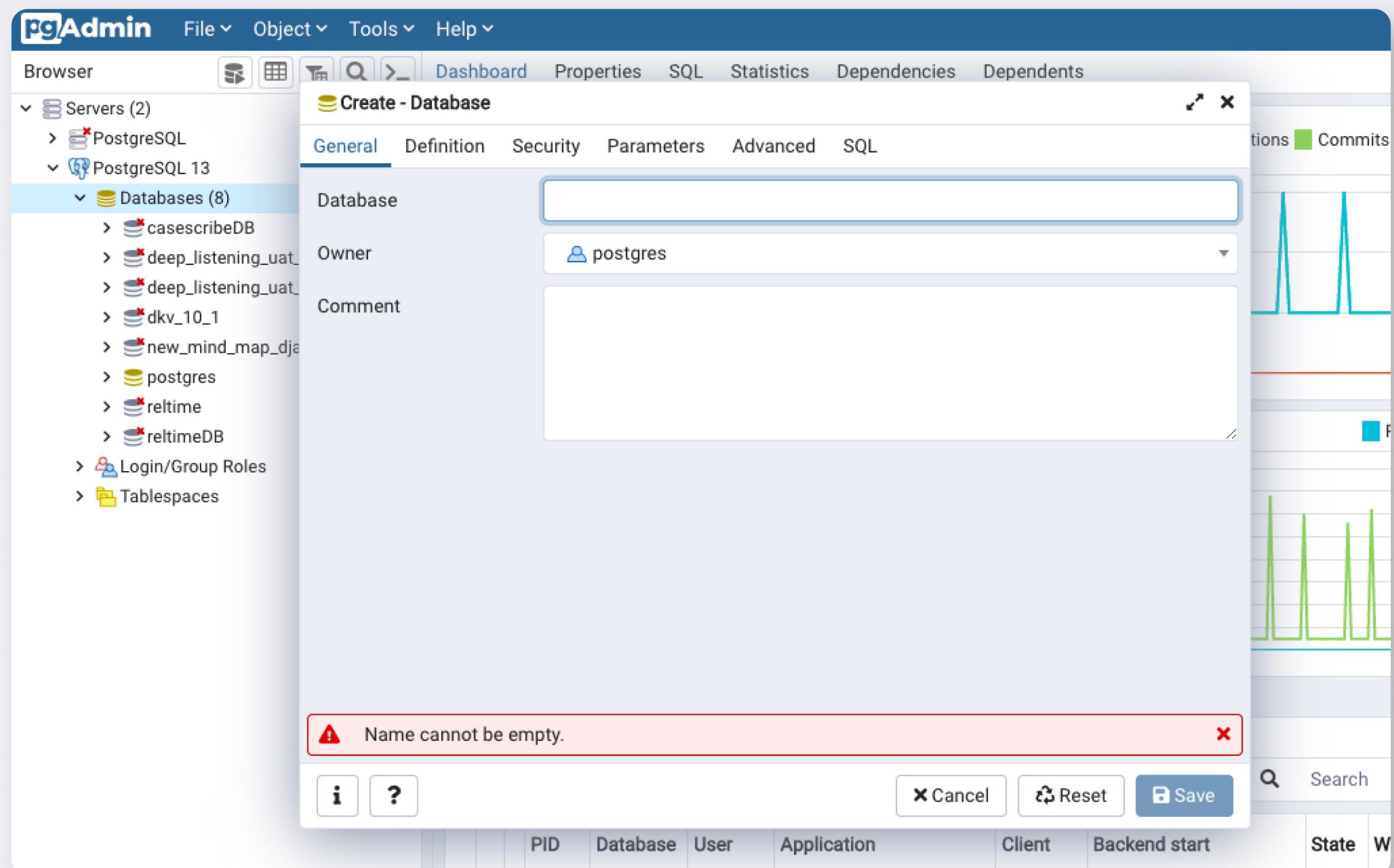


```
pip install psycopg2-binary
```

install the connector by this command

# Create Database

Just open pgadmin, and create a database



# Add database settings

Open settings.py file and replace the database settings with postgresql



settings.py

```
 DATABASES = {  
     "default": {  
         "ENGINE": "django.db.backends.postgresql_psycopg2",  
         "NAME": os.environ.get("DATABASE_NAME"),  
         "USER": os.environ.get("DATABASE_USER"),  
         "PASSWORD": os.environ.get("DATABASE_PASSWORD"),  
         "HOST": os.environ.get("DATABASE_HOST"),  
         "PORT": os.environ.get("DATABASE_PORT"),  
     }  
}
```



Just keep the db credentials in .env file  
and get in settings file

# Migrate Database

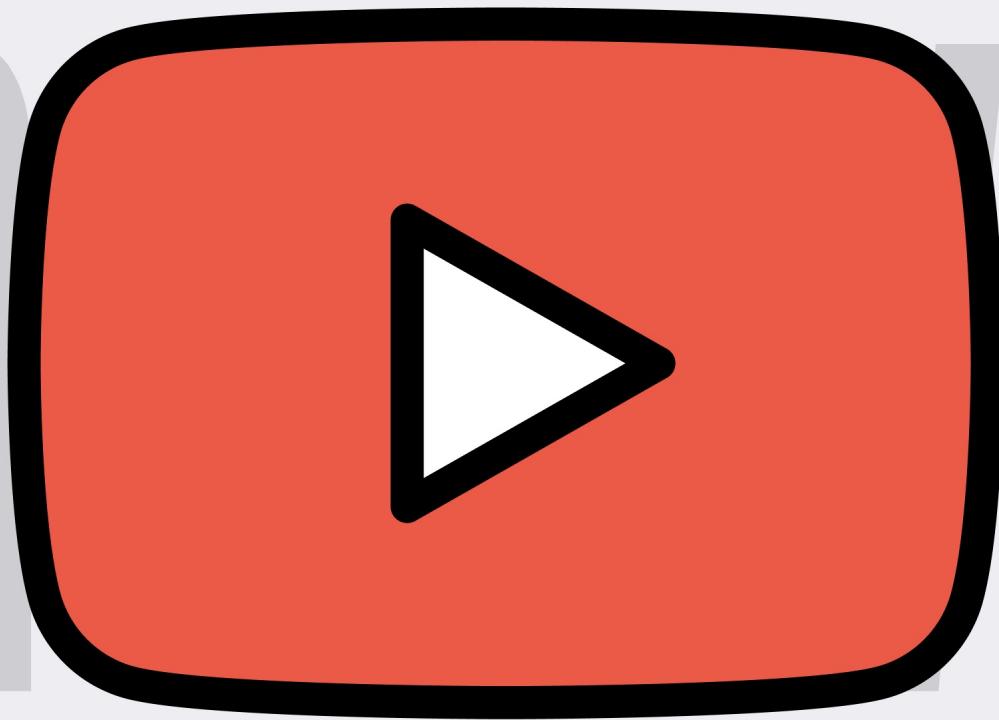
Next, just hit the migrate command to successfully migrate the data to postgresql database.



```
python manage.py migrate
```

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