Installation Guide v1

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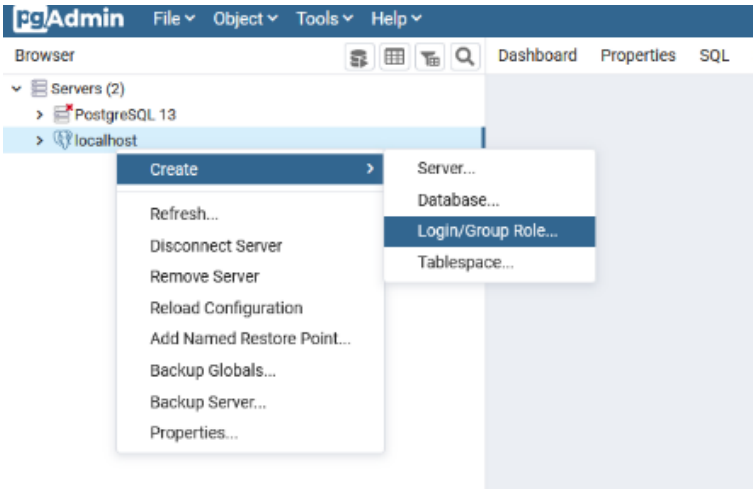
1. Prerequisites

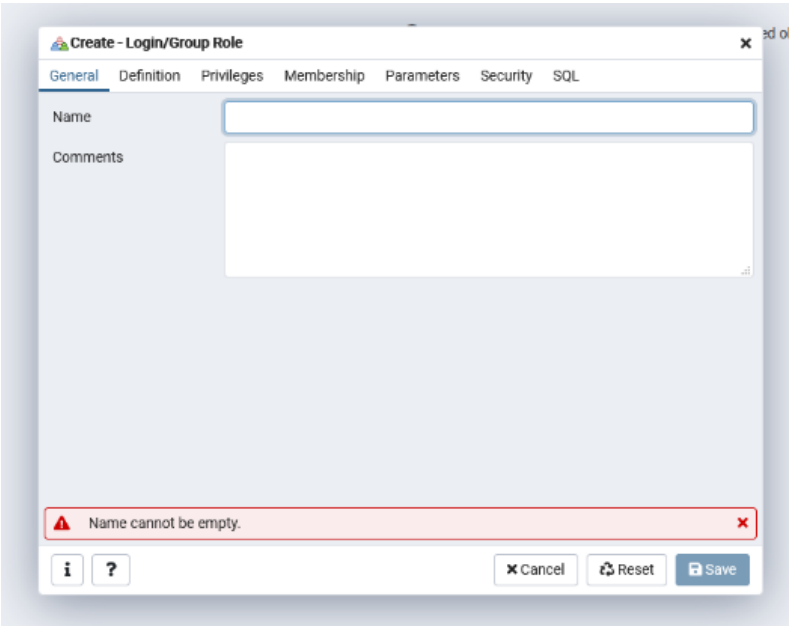
The tool was developed with the Pycharm IDE and the guide will refer to it.
Download pgAdmin and install the latest version of Python.

2. Database Settings

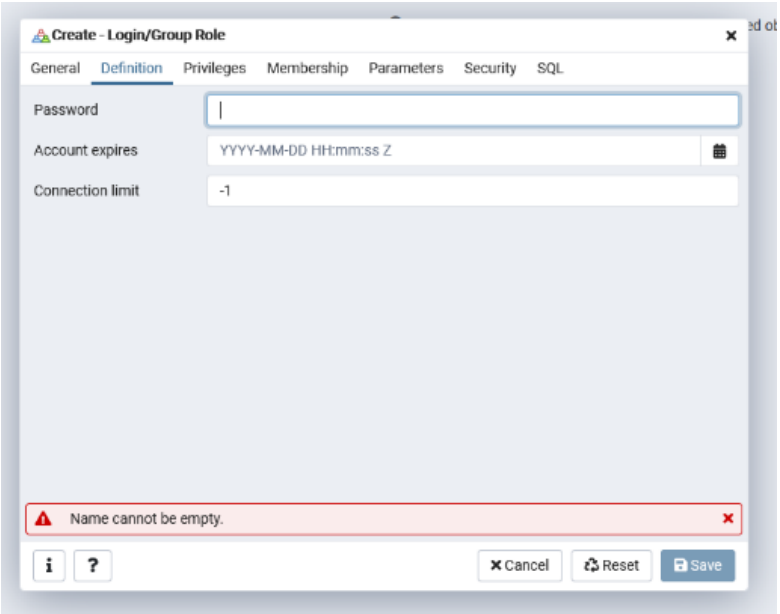
If this is the first time you are using pgAdmin, you will have to follow a wizard that will set the permissions and passwords for the localhost or any other host you want.
Create a new User as follows:



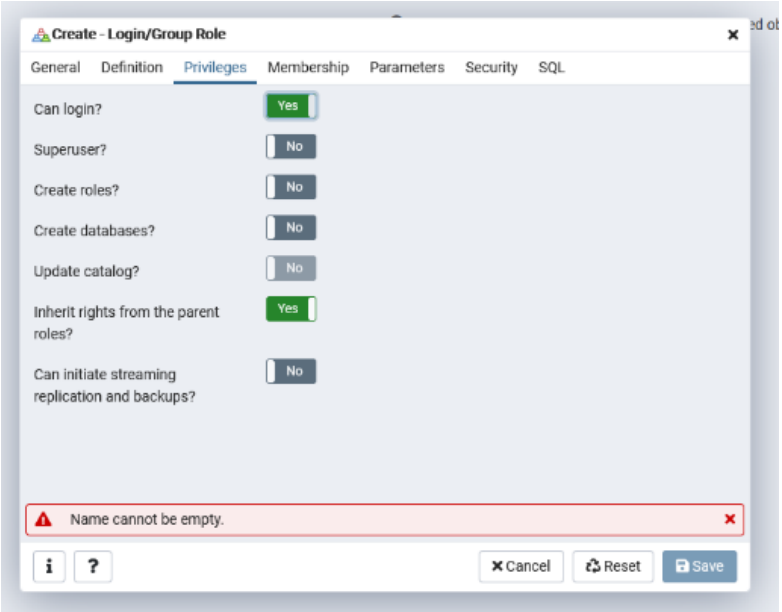
Set the user's Name.



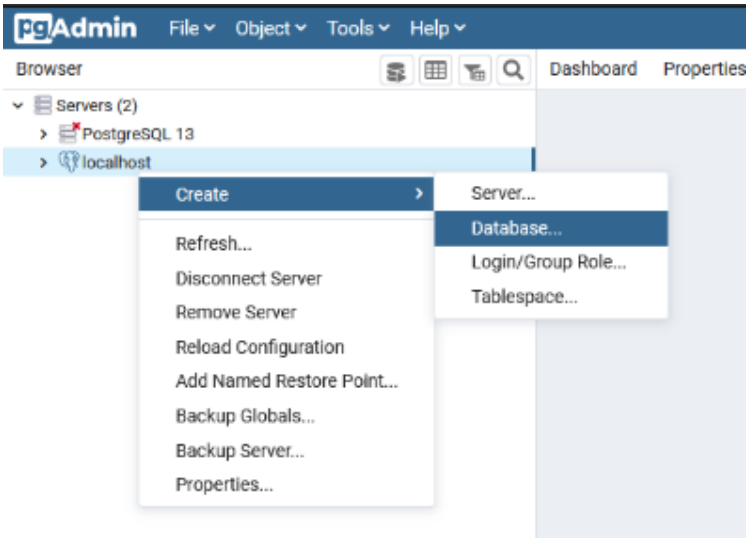
Set user’s Password.



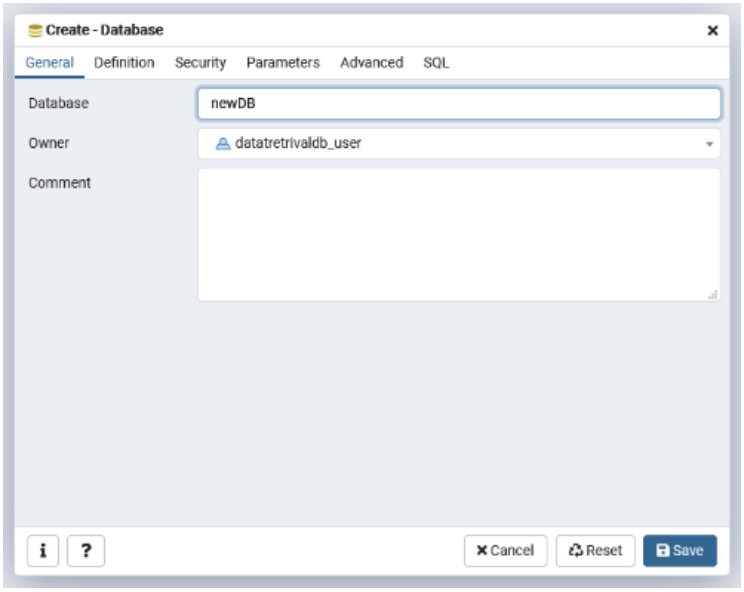
Set “Can Login?” on Yes and save.



Now create a new Database as follow:



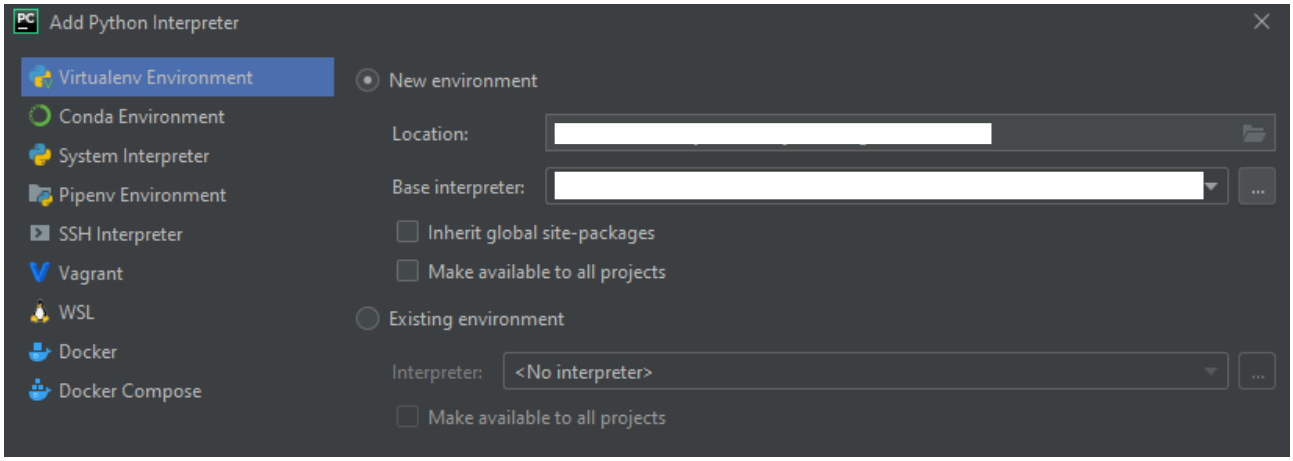
Choose a name for the database and select the user created in the previous step as owner.



3. Project Settings

Clone the project from the Git Repository and open it in Pycharm.

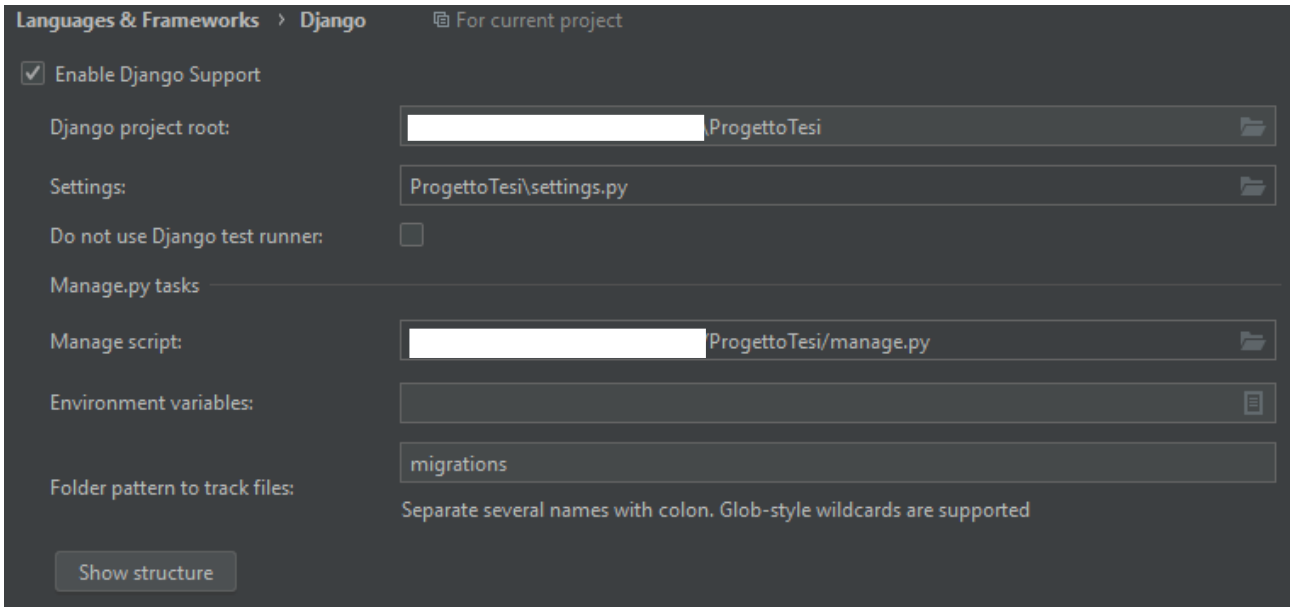
Go to *"File | Settings | Project: ProgettoTesi | Python Interpreter"*, click on  and add a new Python Interpeter.



Crate a folder called *"venv"* in the project's directory and select it in *"Location"*.
In *"Base interpeter"* select the Python's installation path, it must be similiar to:

C:\Users\{username}\AppData\Local\Programs\Python\{python version}\python.exe

If you can't see some folders, click on  to show the hidden ones.
Open the terminal in the bottom of the IDE and now you must see *"(venv)"* near the directory. Type *"pip install -r requirements.txt"* to install required packages.
Now go to *"File | Settings | Languages & Frameworks | Django"* and set the Django's envoirment as follows:



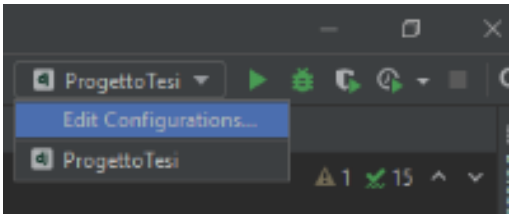
Set all the field as shown above.

We now must set the database for the project, so go in the *settings.py* file and find the *DATABASES* section. Set the username, the password and the database name that you choose in pgAdmin.

```
DATABASES = {
    'default': {
        'ENGINE': 'django.db.backends.postgresql_psycopg2',
        'NAME': '',
        'USER': '',
        'PASSWORD': '',
        'HOST': 'localhost',
        'PORT': '',
    }

}
```

Now click *CTRL + ALT + R* and write in the console *"makemigrations"* and subsequently *"migrate"*.
Now create a new configuration by clicking *"Edit Configurations…"* on the upper right.



Then click on the plus icon and select *"Django Server"*. Give it a name and check that the Python interpreter is pointing at your venv.
Now, by clicking on  you can run the server and open it in your browser.