



# How to install PgAdmin4 on Ubuntu 20.04 Foca Fossa

## Update the system

```
sudo apt-get update
```

## Install required packages

Three packages require to install before downloading pgAdmin which are **python**, **pip** and **virtualenv**. Run the following command to install these packages.

```
sudo apt-get install build-essential libssl-dev libffi-dev libgmp3-dev
sudo apt-get install python3-virtualenv libpq-dev python3-dev
```

## Create virtual environment

Run the following commands to create a new folder named **pgAdmin4** in the current location, go to the newly created folder and create the virtual environment.

```
mkdir pgAdmin4
cd pgAdmin4
virtualenv pgAdmin4
```

## Activate virtual environment

Go to **pgAdmin4** folder under pgAdmin4 and run the following commands to activate the virtual environment.

```
cd pgAdmin4
source bin/activate
```

## Download pgAdmin 4

Run the following command to download the latest version of pgAdmin 4.

```
wget https://ftp.postgresql.org/pub/pgadmin/pgadmin4/v4.20/pip/pgadmin4-4.20-py2.py3-none-any.whl
```

## Install pgAdmin 4

Run the following command to complete the installation process of pgAdmin 4.

```
pip install pgadmin4-4.20-py2.py3-none-any.whl
```

## Configure and run pgAdmin 4

After completing the installation steps, you have to create a configuration file to run this software. Create a new file named **config\_local.py** in **lib/python3.8/site-packages/pgadmin4/** folder using nano editor.

```
nano lib/python3.8/site-packages/pgadmin4/config_local.py
```

Add the following content in **config\_local.py**.

```
import os
DATA_DIR = os.path.realpath(os.path.expanduser(u"~/pgadmin/"))
LOG_FILE = os.path.join(DATA_DIR, "pgadmin4.log")
SQLITE_PATH = os.path.join(DATA_DIR, "pgadmin4.db")
SESSION_DB_PATH = os.path.join(DATA_DIR, "sessions")
STORAGE_DIR = os.path.join(DATA_DIR, "storage")
SERVER_MODE = False
```

Now, use the following command to run pgAdmin.

```
python lib/python3.8/site-packages/pgadmin4/pgAdmin4.py
```

Now, access <http://localhost:5050/> from any browser. If all the steps are completed properly then the browser will display the administration and development platform for the PostgreSQL database.

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