

Install pgAdmin4 v2.0 with python3 on Ubuntu 16.04 DESKTOP mode

Install_pgAdmin4_with_python3_on_Ubuntu_16.04.mdRaw

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- Get Python Wheel pgAdmin4

```
wget https://ftp.postgresql.org/pub/pgadmin/pgadmin4/v2.0/zip/pgadmin4-2.0-py2.py3-none-any.whl
```
- Install pip3

```
sudo apt install python3-pip
```
- Install virtualenv

```
sudo pip3 install virtualenv
```
- Create virtualenv in dir ~/py3-venv-pgadmin

```
virtualenv --system-site-packages --no-setuptools --python=python3.5 ~/py3-venv-pgadmin
```
- Activate virtualenv

```
cd ~/py3-venv-pgadmin/bin
source activate
```
- Check pip3

```
which pip3
~/py3-venv-pgadmin/bin/pip3
```
- Install pgAdmin4

```
pip3 install pgadmin4-2.0-py2.py3-none-any.whl
```
- For desktop deployment

```
cd ~/py3-venv-pgadmin/lib/python3.5/site-packages/pgadmin4
touch config_local.py
nano config_local.py
```

write:

```
import os
SERVER_MODE = False
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')
```

run:

```
python3 ~/py3-venv-pgadmin/lib/python3.5/site-packages/pgadmin4/setup.py
```
- Run pgAdmin4

```
python3 ~/py3-venv-pgadmin/lib/python3.5/site-packages/pgadmin4/pgAdmin4.py
```
- Exit virtualenv

```
deactivate
```
- For run pgadmin4 create script ~/py3-venv-pgadmin/pgadmin4.sh

```
#!/usr/bin/env bash
cd ~/py3-venv-pgadmin/bin
source activate
python3 ~/py3-venv-pgadmin/lib/python3.5/site-packages/pgadmin4/pgAdmin4.py
```
- Create alias for bash

```
nano ~/.bashrc
```

write at the end of file:

```
alias pgadmin4='~/py3-venv-pgadmin/pgadmin4.sh'
```

reload bashrc


```
source ~/.bashrc
```

now you can run pgadmin


```
pgadmin4
```

aburcheri commented on Jun 12, 2017

wget https://ftp.postgresql.org/pub/pgadmin/pgadmin4/v1.5/source/pgadmin4-1.5.tar.gz


udion commented on Sep 24, 2017

wget https://ftp.postgresql.org/pub/pgadmin/pgadmin4/v1.6/source/pgadmin4-1.6.tar.gz

TristanLefebure commented on Oct 13, 2017

with pgadmin4-2, I get following error:

```
(py3-venv-pgadmin) tristan@gouda:~/apps/pgadmin4-2.0/web$ python3 setup.py
python3 setup.py
Traceback (most recent call last):
  File "setup.py", line 46, in <module>
    create_app_data_directory(config)
  File "/home/tristan/apps/pgadmin4-2.0/web/pgadmin/setup/data_directory.py", line 23, in create_app_data_directory
    _create_directory_if_not_exists(os.path.dirname(config.SQLITE_PATH))
  File "/home/tristan/apps/pgadmin4-2.0/web/pgadmin/setup/data_directory.py", line 15, in _create_directory_if_not_exists
    os.mkdir(_path)
PermissionError: [Errno 13] Permission denied: '/var/lib/pgadmin'
```

hareeshmu commented on Oct 17, 2017

Same here... for pgadmin4-2.0: PermissionError: [Errno 13] Permission denied: '/var/lib/pgadmin'


As a work around create the folders manually:-

```
sudo mkdir /var/lib/pgadmin
sudo mkdir /var/log/pgadmin
sudo mkdir /var/lib/pgadmin/sessions
sudo mkdir /var/lib/pgadmin/storage
```

And give permissions to the folders

```
sudo chmod 777 -R /var/log/pgadmin/
sudo chmod 777 -R /var/lib/pgadmin/
```


It may not be the best workaround, but i was able to make it work :)

mmmchl commented on Nov 7, 2017

Thank you very much.


The installation of pgadmin4 is always very difficult.

But your method works

mmmchl commented on Nov 7, 2017

But on another computer, there is no ~/py3-venv-pgadmin/lib/python3.5/site-packages/pgadmin4 created

As usual, install of pgadmin4 is a nightmare. I am afraid for the future of PostgreSQL

Prototype-X commented on Nov 9, 2017Owner

Hi, @mmmchl


You can easy install it without virtualenv, just run

```
sudo pip3 install pgadmin4-2.0-py2.py3-none-any.whl
```

pgadmin4 path something like: /usr/lib/python3/dist-packages/pgadmin4


christianrss commented on Nov 14, 2017

@hareeshmu set DATA_DIR with the path that you need. Example: DATA_DIR = '/home/user/test'


OptimistLabyrinth commented on Nov 18, 2017 • edited

Hi, Prototype-X@@

I appreciate! You saved me lot of time

subsite commented on Nov 21, 2017


Works great, thank you! But how is it even possible that there is no official .deb package for pgadmin4? Especially now after PostgreSQL 10 went stable and pgadmin3 doesn't work at all any more. This brings back memories of Slackware Linux 20 years ago when you had to download and compile most everything manually. Please Postgres, shape up!

goodfellamilos commented on Dec 13, 2017 • edited

Great explanation! Thanks a lot!

mmmchl commented on Jan 5

Thanks Prototype-X

osparking commented on Jan 18


How about upgrading steps 1 and 7 for the latest version of pgAdmin 4.2.1?

Step 1, to

wget https://ftp.postgresql.org/pub/pgadmin/pgadmin4/v2.1/zip/pgadmin4-2.1-py2.py3-none-any.whl

Step 7, to

pip3 install pgadmin4-2.1-py2.py3-none-any.whl

hutber commented on Feb 2

@osparking

I get the following

```
(py3-venv-pgadmin) hutber@hutber-blade ~/py3-venv-pgadmin/bin$ pip3 install pgadmin4-2.1-py2.py3-none-any.whl
Processing ./pgadmin4-2.1-py2.py3-none-any.whl
Collecting Flask-HTMLmin; python_version >= "2.7" (from pgadmin4==2.1)
Downloading Flask-HTMLmin-1.3.1.tar.gz
Could not import setuptools which is required to install from a source distribution.
Please install setuptools.
```

masmerino13 commented on Feb 7

In the step 12 for zsh users have to use: ~/.zshrc instead of ~/.bashrc

VEEGISHx commented on Feb 11 • edited

Using the alias in step 12 returned this error: /home/veegish/py3-venv-pgadmin/pgadmin4.sh: Permission denied . To fix this I edited ~/.bashrc with the following: alias pgadmin4='sh ~/py3-venv-pgadmin/pgadmin4.sh', which allowed the script to be executed using that alias. Another way is to make the script executable by running chmod +x pgadmin4.sh

willemhoffmans commented on Feb 22

@osparking (and others).

Tried to repeat step 1 & 7, for upgrading from 4.2.0 to 4.2.1. Didn't succeed, pgadmin4 was still 4.2.0.

After that, also included the virtualenv activation, so repeated steps 1, 5, 7, 10. After that everything worked out well!