

1. Add pgAdmin4 Repository:

```
sudo sh -c 'echo "deb
[https://ftp.postgresql.org/pub/pgadmin/pgadmin4/apt/$(lsb_release]
(https://ftp.postgresql.org/pub/pgadmin/pgadmin4/apt/$(lsb_release
"https://ftp.postgresql.org/pub/pgadmin/pgadmin4/apt/$(lsb_release)" -cs) pgadmin4
main" > /etc/apt/sources.list.d/pgadmin4.list'
```

This command adds the pgAdmin4 repository to your system's list of package sources.

2. Import pgAdmin4 GPG Key:

```
wget --quiet -O - [https://www.pgadmin.org/static/packages_pgadmin_org.pub]
(https://www.pgadmin.org/static/packages_pgadmin_org.pub
"https://www.pgadmin.org/static/packages_pgadmin_org.pub") | sudo apt-key add -
```

```
gaurav@gaurav-Latitude-7480:~$ sudo sh -c 'echo "deb https://ftp.postgresql.org/
pub/pgadmin/pgadmin4/apt/$(lsb_release -cs) pgadmin4 main" > /etc/apt/sources.li
st.d/pgadmin4.list'
[sudo] password for gaurav:
gaurav@gaurav-Latitude-7480:~$ wget --quiet -O - https://www.pgadmin.org/static/
packages_pgadmin_org.pub | sudo apt-key add -
OK
```

This command retrieves the pgAdmin4 GPG key and adds it to the list of trusted keys on your system.

3. Update Package List:

```
sudo apt update
```

[after_error_install_pgadmin.png](#)

```
gaurav@gaurav-Latitude-7480:~$ sudo apt update
Hit:2 http://packages.microsoft.com/repos/code stable InRelease
Hit:3 https://dl.google.com/linux/chrome/deb stable InRelease
Ign:4 http://packages.linuxmint.com una InRelease
Hit:5 http://archive.ubuntu.com/ubuntu focal InRelease
Hit:6 http://security.ubuntu.com/ubuntu focal-security InRelease
Hit:7 http://archive.canonical.com/ubuntu focal InRelease
Hit:8 http://packages.linuxmint.com una Release
Get:9 http://archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]
Ign:11 https://ftp.postgresql.org/pub/pgadmin/pgadmin4/apt/una pgadmin4 InRelease
Err:12 https://ftp.postgresql.org/pub/pgadmin/pgadmin4/apt/una pgadmin4 Release
      404 Not Found [IP: 147.75.85.69 443]
Hit:13 http://archive.ubuntu.com/ubuntu focal-backports InRelease
Hit:1 https://s3.amazonaws.com/toptracker/desktop/builds debian/ InRelease
Reading package lists... Done
W: http://packages.microsoft.com/repos/code/dists/stable/InRelease: The key(s) in the keyring /etc/apt/trusted.gpg.d/pgadmin4.gpg are ignored as the file is not readable by user '_apt' executing apt-key.
W: https://dl.google.com/linux/chrome/deb/dists/stable/InRelease: The key(s) in the keyring /etc/apt/trusted.gpg.d/pgadmin4.gpg are ignored as the file is not readable by user '_apt' executing apt-key.
W: http://archive.ubuntu.com/ubuntu/dists/focal/InRelease: The key(s) in the keyring /etc/apt/trusted.gpg.d/pgadmin4.gpg are ignored as the file is not readable by user '_apt' executing apt-key.
W: http://security.ubuntu.com/ubuntu/dists/focal-security/InRelease: The key(s) in the keyring /etc/apt/trusted.gpg.d/pgadmin4.gpg are ignored as the file is not readable by user '_apt' executing apt-key.
W: http://archive.canonical.com/ubuntu/dists/focal/InRelease: The key(s) in the keyring /etc/apt/trusted.gpg.d/pgadmin4.gpg are ignored as the file is not readable by user '_apt' executing apt-key.
W: http://packages.linuxmint.com/dists/una/Release.gpg: The key(s) in the keyring /etc/apt/trusted.gpg.d/pgadmin4.gpg are ignored as the file is not readable by user '_apt' executing apt-key.
```

```
E: The repository 'https://ftp.postgresql.org/pub/pgadmin/pgadmin4/apt/una pgadmin4 Release' does not have a Release file.
N: Updating from such a repository can't be done securely, and is therefore disabled by default.
N: See apt-secure(8) manpage for repository creation and user configuration details.
W: http://archive.ubuntu.com/ubuntu/dists/focal-updates/InRelease: The key(s) in the keyring /etc/apt/trusted.gpg.d/pgadmin4.gpg are ignored as the file is not readable by user '_apt' executing apt-key.
W: http://archive.ubuntu.com/ubuntu/dists/focal-backports/InRelease: The key(s) in the keyring /etc/apt/trusted.gpg.d/pgadmin4.gpg are ignored as the file is not readable by user '_apt' executing apt-key.
W: http://tracker-api.toptal.com/desktop/updates/debian/InRelease: The key(s) in the keyring /etc/apt/trusted.gpg.d/pgadmin4.gpg are ignored as the file is not readable by user '_apt' executing apt-key.
```

-> Here you may find this

E: The repository '<https://ftp.postgresql.org/pub/pgadmin/pgadmin4/apt/una> pgadmin4 Release' does

not have a Release file.

which is a error

we need to update this using following command

4. `sudo nano /etc/apt/sources.list.d/pgadmin4.list`

after this command you will get something like this screen



```
GNU nano 4.8 /etc/apt/sources.list.d/pgadmin4.list
deb https://ftp.postgresql.org/pub/pgadmin/pgadmin4/apt/una pgadmin4 main

[ Read 1 line ]
^G Get Help  ^O Write Out ^W Where Is  ^K Cut Text  ^J Justify   ^C Cur Pos
^X Exit      ^R Read File ^\ Replace   ^U Paste Text ^T To Spell  ^_ Go To Line
```

give attention here to '<https://ftp.postgresql.org/pub/pgadmin/pgadmin4/apt/una>'

replace this with '<https://ftp.postgresql.org/pub/pgadmin/pgadmin4/apt/focal>'

then save it and then press " ctrl + x " for exit.

5. install pgadmin again by

```
sudo apt install pgadmin4
```

```
gaurav@gaurav-Latitude-7480:~$ sudo apt install pgadmin4
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  pgadmin4-desktop
The following NEW packages will be installed:
  pgadmin4 pgadmin4-desktop
0 upgraded, 2 newly installed, 0 to remove and 552 not upgraded.
Need to get 102 MB of archives.
After this operation, 0 B of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 https://ftp.postgresql.org/pub/pgadmin/pgadmin4/apt/focal pgadmin4/main amd64
pgadmin4-desktop amd64 7.8 [102 MB]
Get:2 https://ftp.postgresql.org/pub/pgadmin/pgadmin4/apt/focal pgadmin4/main all pg
admin4 all 7.8 [864 B]
Fetched 102 MB in 32s (3,194 kB/s)
Selecting previously unselected package pgadmin4-desktop.
(Reading database ... 307078 files and directories currently installed.)
Preparing to unpack .../pgadmin4-desktop_7.8_amd64.deb ...
Unpacking pgadmin4-desktop (7.8) ...
Selecting previously unselected package pgadmin4.
Preparing to unpack .../archives/pgadmin4_7.8_all.deb ...
Unpacking pgadmin4 (7.8) ...
Setting up pgadmin4-desktop (7.8) ...
Setting up pgadmin4 (7.8) ...
Processing triggers for mime-support (3.64ubuntu1) ...
Processing triggers for hicolor-icon-theme (0.17-2) ...
Processing triggers for gnome-menus (3.36.0-1ubuntu1) ...
Processing triggers for desktop-file-utils (0.24+linuxmint1) ...
```

7. Install PostgreSQL:

```
sudo apt install postgresql
```

```
gaurav@gaurav-Latitude-7480:~$ sudo apt install postgresql
Reading package lists... Done
Building dependency tree
Reading state information... Done
postgresql is already the newest version (12+214ubuntu0.1).
0 upgraded, 0 newly installed, 0 to remove and 552 not upgraded.
```

This command installs the PostgreSQL database server on your system.

6. Access PostgreSQL Interactive Shell:

```
sudo -u postgres psql
```

```
gaurav@gaurav-Latitude-7480:~$ sudo -u postgres psql
psql (12.16 (Ubuntu 12.16-0ubuntu0.20.04.1))
Type "help" for help.

postgres=# alter user postgres with password 'postgres';
ALTER ROLE
postgres=#
```

7. For changing password use this command

```
alter user postgres with password 'postgres';
```

now your pgadmin4 and postgresql should have downloaded successfully...

Additionally, it's a good practice to review the official documentation for pgAdmin4 and PostgreSQL for any specific configurations or additional steps that may be required for your system: