

PostgreSQL Installation:

Step 1. Run the following command from the terminal to install.

```
Sudo apt-get update
```

```
sudo apt-get install postgresql postgresql-contrib
```

Step 2. Check **postgresql.conf** is created. To check, type following command in your terminal

```
ls /etc/postgresql/9.5/main
```

Step 3. Check postgres service is started or not. Type following command in your terminal

```
service postgresql status
```

If the status is not **active**, then type following command in your terminal

```
service postgresql start
```

To stop the service, type the following command

```
service postgresql stop
```

Step 4. Type following command to run your postgresql using postgres as a user.

```
sudo su postgres
```

Step 5. Open postgres shell, type following command

```
Psql
```

Preprocessing:

After installation, by default postgres has one user '**postgres**'.

Type following command to see all users: **\du**

1. Change the password:

```
ALTER USER postgres WITH PASSWORD 'your_new_password';
```

2. Create a new user, if you want to create

```
CREATE USER your_user_name WITH PASSWORD 'your_password';
```

3. Give permission to your newly created user, type following command by replacing the bold words.

```
ALTER USER your_user_name WITH SUPERUSER;
```

4. If you want to drop a user, type

```
DROP USER your_user_name
```

Note: Bold words are replaceable based on your choice. Please read everything before

writing in your terminal.

Exercise 1. Make sure the server is working

```
sudo netstat -tap | grep postgresql
```

2. Access PostgreSQL via the command line(where -U is for user)

If you want to run using postgres as a username:

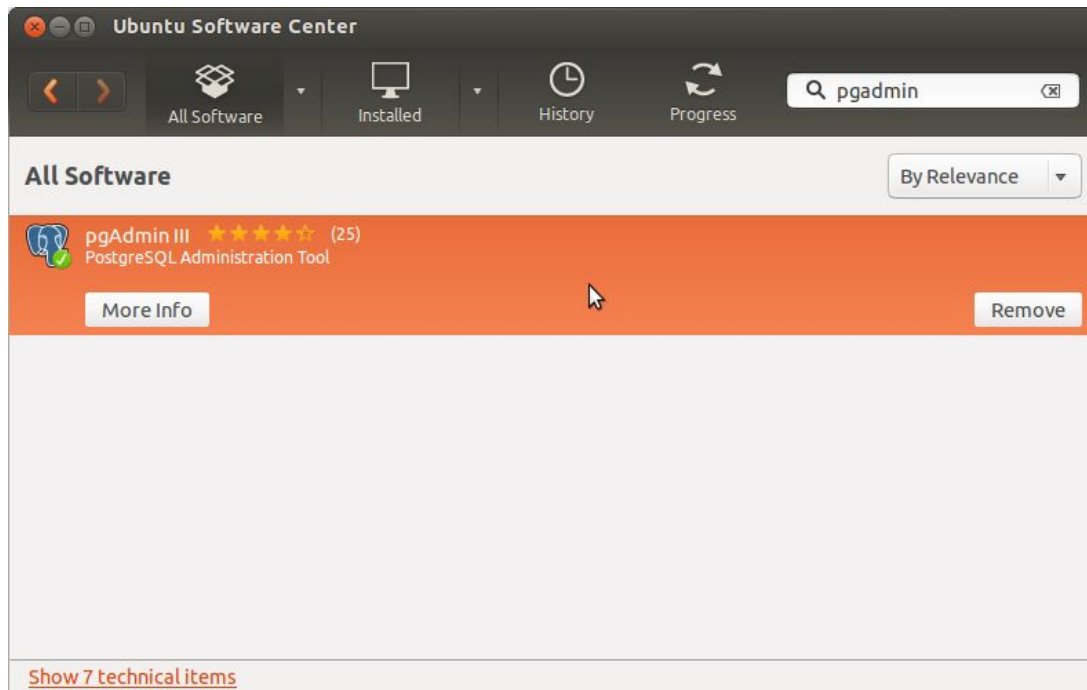
```
psql -U postgres -h localhost
```

Otherwise, you can use your newly created username as well by replacing postgres with your username.

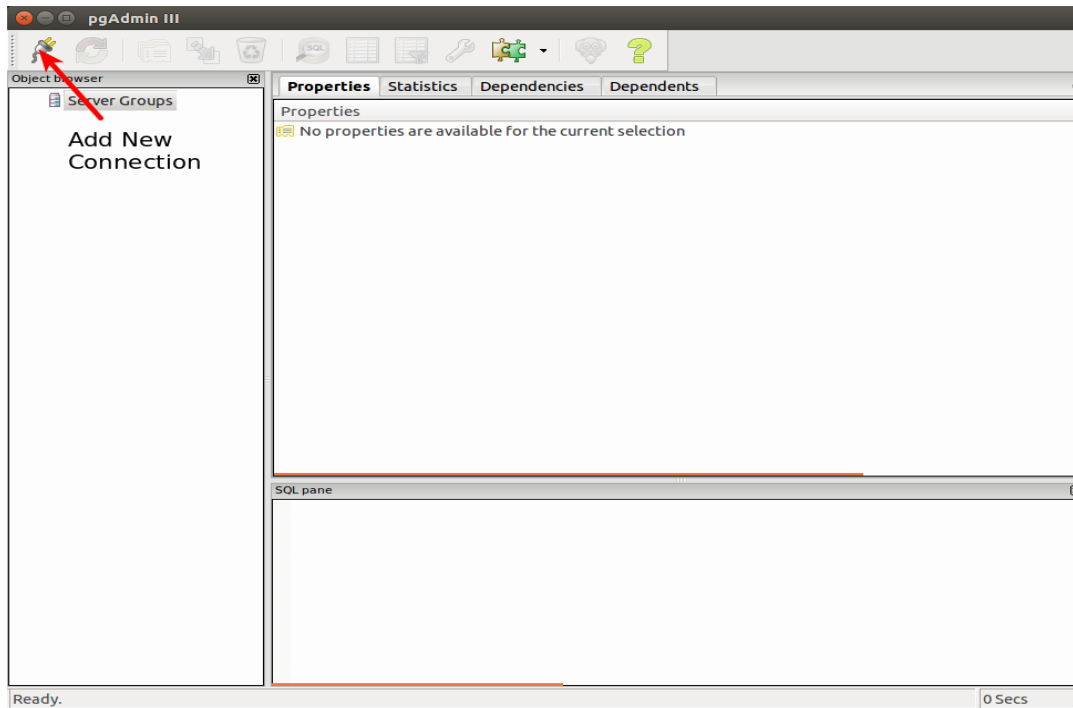
Note: It will ask a password, please type your password. It will be a hidden field. So, keep on typing. Your password will not be visible. So, keep on typing.

How to Install PostgreSQL Admin Tool.

Step 1. Go to Linux/Ubuntu Software Tool and type pgadmin. Install the software.



Step 2. After the installation, open the pgadmin tool. On the top right corner, you will find one plug in icon.



Step 3: It will open a pop-up, fill these informations and click on OK button.

New Server Registration

Properties SSL SSH Tunnel Advanced

Name localhost

Host 127.0.0.1

Port 5432

Service

Maintenance DB postgres

Username postgres

Password

Store password ☒

Colour

Group Servers

Help OK Cancel

Step 4: Now, you can see your schema and tables.