

Set up of dynamodb with postgresql in ubuntu 18.04

```
1. wget --quiet -O - https://www.postgresql.org/media/keys/ACCC4CF8.asc | sudo apt-key add -
```

```
2. wget --quiet -O - https://www.postgresql.org/media/keys/ACCC4CF8.asc | sudo apt-key add -
```

```
3. sudo apt-get update
```

```
4. sudo add-apt-repository ppa:timescale/timescaledb-ppa
```

```
5. sudo apt-get update
```

```
6. comment—you can change 10 as 9.6 or 11 as your need of version
```

```
sudo apt install timescaledb-postgresql-12
```

```
7.
```

```
Step1.configure postgresql.conf
```

```
sudo vi /etc/postgresql/12/main/postgresql.conf
```

```
or type
```

```
sudo nano /etc/postgresql/12/main/postgresql.conf
```

```
modifying lines are:
```

```
listen_addresses='*'
port=5432
shared_preload_libraries='timescaledb'
```

Step2.Configure pg_hba.conf

```
sudo vi /etc/postgresql/12/main/pg_hba.conf
```

or type

```
sudo nano /etc/postgresql/12/main/pg_hba.conf
```

By adding line in the last for remote connection
modifying lines are:

if use want to use password

```
Host all all 0.0.0.0/0 md5
```

if you do not use password then write

```
Host all all 0.0.0.0/0 md5
```

Step3.Restart postgresql server and may be you have to enter the password

```
sudo systemctl restart postgresql
```

Step4.Check the status of server

7. To restart the postgresql use command below

```
sudo service postgresql restart
```

or

```
sudo /etc/init.d/postgresql restart
```

8. This is used to make superuser to enter into the serveces

```
sudo -u postgres psql -c "ALTER USER postgres PASSWORD  
'postgres';"
```

or type

```
sudo su postgres
```

```
Psq|
```

```
\password postgres  
TYPE YOUR PASSWORD
```

Like

```
postgres=#\password postgres
```

```
Enter new password: #####
```

```
Enter it again:#####
```

```
postgres=#
```

```
10. postgres=# CREATE DATABASE <database_name>;  
postgres=# CREATE USER <user> with encrypted password '<password>';  
postgres=# GRANT ALL PRIVILEGES ON DATABASE <database_name> TO <user>;
```

like

```
postgres=# CREATE DATABASE tutorialspoint;
```

```
postgres=# CREATE USER postgres with encrypted password 'sandeep123';
```

```
postgres=# GRANT ALL PRIVILEGES ON DATABASE tutorialspoint TO postgres;
```

11. CREATE database tutorialspoint

15.\c tutorialspoint

16.CREATE EXTENSION timescaledb;

Comment --NOW YOU TIMESCALE DB HAS BEEN CREATED

17. CREATE TABLE conditions (

```
time          TIMESTAMPTZ      NOT NULL,
location      TEXT             NOT NULL,
temperature    DOUBLE PRECISION NULL,
humidity       DOUBLE PRECISION NULL
);
```

18.Now change PosteSQL to hypertable meand timescaledb

19. SELECT create_hypertable('conditions', 'time');

20.Inserting the query

```
INSERT INTO conditions(time, location, temperature, humidity)
VALUES (NOW(), 'office', 70.0, 50.0);
```

21.SELECT * FROM conditions ORDER BY time DESC LIMIT 100;

22.If you want to change the port of address of which is given default value

```
Port=5432;
```

You can go to postgresql.conf file and then you can change the address of port according to you

23.

24.For removing the dependency

1.How to remove python-pip from ubuntu

```
sudo apt-get remove python-pip
```

2.How to remove firefox from ubuntu

```
sudo apt autoremove firefox
```

Or

```
sudo apt-get purge firefox
```

3.How to remove pgAdmin4 from ubuntu

```
sudo apt autoremove admin4-apache-2
```

```
sudo apt autoremove admin4
```

4.Uninstall or remove postgresql from ubuntu

```
Sudo apt-get -purge remove postgresql
```

Setting up a RESTful API with Node.js and PostgreSQL

<https://blog.logrocket.com/setting-up-a-restful-api-with-node-js-and-postgresql-d96d6fc892d8/>

For creating role and full postgresQL

<https://w3resource.com/PostgreSQL/postgresql-database-roles.php>

<https://www.howtoforge.com/how-to-install-postgresql-and-pgadmin4-on-ubuntu-1804-lts/>

<https://www.shubhamdipt.com/blog/postgresql-on-ec2-ubuntu-in-aws/>

For Creating timescaledb extension of postgresQL

<https://docs.timescale.com/latest/getting-started/installation>

For pgAdmin Connection with node js

<https://node-postgres.com/features/queries>