Remote connection of postgresql using pgadmin or other tools

https://www.youtube.com/watch?v=eQiwvDkl7Qw

Step1.configure postgresql.conf

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

or type

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

modifying lines are:

listen_addresses='*'

port=5432

if you want to use timescaledb

shared_preload_libraries='timescaledb'

Step2.Configure pg_hba.conf

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

or type

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

modifying lines are:

Add only this line

Host   all   all   0.0.0.0/0   md5

file should be show like this

 # Database administrative login by Unix domain socket

local all   postgres   peer

 # TYPE DATABASE   USER   ADDRESS   METHOD

 # "local" is for Unix domain socket connections only

local all   all   peer

 # IPv4 local connections:

host   all   all   127.0.0.1/32   md5

 # IPv6 local connections:

host   all   all   ::1/128   md5

 # Allow replication connections from localhost, by a user with the

 # replication privilege.

```
local   replication   postgres                        peer

host   replication   postgres      127.0.0.1/32      md5

host   replication   postgres        ::1/128         md5

host   all        all          0.0.0.0/0       md5
```

Step3. Restart postgresql server

sudo systemctl restart postgresql

Step4. Check the status of server

systemctl status postgresql

ubuntu@ip-172-31-26-87:~$ **systemctl status postgresql**

● postgresql.service - PostgreSQL RDBMS

  Loaded: loaded (/lib/systemd/system/postgresql.service; enabled; vendor prese

  Active: active (exited) since Tue 2020-03-17 21:59:59 UTC; 40s ago

 Process: 7958 ExecStart=/bin/true (code=exited, status=0/SUCCESS)

 Main PID: 7958 (code=exited, status=0/SUCCESS)

Mar 17 21:59:59 ip-172-31-26-87 systemd[1]: Starting PostgreSQL RDBMS...

Mar 17 21:59:59 ip-172-31-26-87 systemd[1]: Started PostgreSQL RDBMS.

Step5. Test the Remote connection to postgresql server

-Now , login to the client machine, and perform the psql remote connection to the Postgresql

database server as shown below.

psql -h 34.216.231.204 -U postgres

Password for user postgres:

psql (12.2 (Ubuntu 12.2-2.pgdg18.04+1))

SSL connection (protocol: TLSv1.3, cipher: TLS_AES_256_GCM_SHA384, bits: 256, compression: off)

Type "help" for help.

postgres=# \l

postgres=#

postgres=# \l^C

postgres=#