**postgreql connection refused port5432:-**

**PgAdmin:-**

**Could not connect to server [error] -**

**Services -> postgresql-x64-12-postgresql server12 ->automatic->apply & start**

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**Ubuntu: cannot connect to postgres on port 5432**

When I run psql -U postgres I get the following error: psql: could not connect to server: No such file or directory Is the server running locally and accepting connections on Unix domain socket "/var/run/postgresql/.s.PGSQL.5432"? PG is definitely running and the pg\_hba.conf file looks like this: # TYPE DATABASE USER CIDR-ADDRESS METHOD # "local" is for Unix domain socket connections only local all all md5 # IPv4 local connections: host all all 127.0.0.1/32 md5 # IPv6 local connections: host all all ::1/128 md5 What gives? "Proof" that pg is running: root@assaf-desktop:/home/assaf# ps axf | grep postgres 14338 ? S [0:00](https://www.youtube.com/watch?v=dbUuFCoRvgU&t=0s) /opt/djangostack-1.3-0/postgresql/bin/postgres -D / opt/djangostack-1.3-0/postgresql/data -p 5432 14347 ? Ss [0:00](https://www.youtube.com/watch?v=dbUuFCoRvgU&t=0s) \\_ postgres: writer process 14348 ? Ss [0:00](https://www.youtube.com/watch?v=dbUuFCoRvgU&t=0s) \\_ postgres: wal writer process 14349 ? Ss [0:00](https://www.youtube.com/watch?v=dbUuFCoRvgU&t=0s) \\_ postgres: autovacuum launcher process 14350 ? Ss [0:00](https://www.youtube.com/watch?v=dbUuFCoRvgU&t=0s) \\_ postgres: stats collector process 15139 pts/1 S+ [0:00](https://www.youtube.com/watch?v=dbUuFCoRvgU&t=0s) \\_ grep --color=auto postgres root@assaf-desktop:/home/assaf# netstat -nltp | grep 5432 tcp 0 0 127.0.0.1:5432 0.0.0.0:\* LISTEN 14338/postgres tcp6 0 0 ::1:5432 :::\* LISTEN 14338/postgres root@assaf-desktop:/home/assaf#

**First purge the old postgres install**

**Sudo apt –get remove –purge postgresql -9.1**

**Reinstall**

**Sudo apt –get install postgresql -9.1**

**Note the package name with the version number. HTH.**

**How to enable remote access to postgresQL server:-**

Overview:

When you install postgreSQL, by default connection to the postgres by using TCP/IP is not allowed.

When you try to connect postgres database from a client using psql command,

You get “psql: could not connect to server: connection refused” error message.

**Demo Setup**

IP address hostname postgres version Role

192.168.1.61 linux2 12 server

192.168.1.71 linux1 12 client

# psql –u postgres –h 192.168.1.61

1. Modify **pg\_hba.conf** to add client Authentication record

On the postgreSQL database server, by default, you’ll notice the following records towards the end of the /var/lib/pgsql/12/data/pg\_hba.conf. As indicated below, it accepts connections only from the localhost.

#IPV4 local connections:

Host all all 127.0.0.1/32 trust

#Ipv6 local connections:

Host all all ::1/128 ident

Add the following line to the pg\_hba.conf server. This will allow connection from 192.168.1.56

Host all all 192.168.1.71/24 md5

1. Change the Listen Address in **postgresql.conf**

On the postgresql database server, by default, the listen address will be localhost in the postgresql.conf file as shown below.

#grep listen /var/lib/psql/12/data/postgresql.conf

Listen\_addresses = ‘localhost’

Modify this line and give IP address of server. If you have multiple interfaces on the server, you can also specify a specific interface to be listened.

Verify updated details.

-bash-4.2$ grep listn /var/lib/psql/12/data/postgresql.conf

Listen\_addressess = ‘192.168.1.61’ #what IP address(es) to listen on;

-bash -4.2$

1. Restart postgresql server to apply the changes:

Systemctl restart postgresql-12

Systemctl status postgresql-12

1. Test the Remote connection

Now, login to the client machine 192.168.1.71, and perform the psql remote connection to the postgreSQL database server (192.168.1.61)as shown below.

#psql –u postgres –h 192.168.1.61

Alter user postgres password ‘newpassword’

**Command prom**

Psql

Postgres=# show data\_directory;

/Var/lib/psql/12/data

\q

Cd / Var/lib/psql/12/data

Ls – lrt

Vi pg\_hba.conf

Host all all 192.168.1.71/24 md5

:wq!

Vi postgresql.conf

#listen addresses = ‘localhost’

Listen addresses = ‘192.168.1.61

:wq!

Sudo Systemctl restart postgresql-12

Sudo Systemctl status postgresql-12

Check to client authentication.