# Allow remote access

In this step, we will look at how to configure Postgres to accept external connections. To begin, open the configuration file with your preferred editor:

nano /etc/postgresql/10/main/postgresql.conf

Look for this line in the file:

#listen\_addresses = 'localhost'

Uncomment, and change the value to '\*', this will allow Postgres connections from anyone.

listen\_addresses = '\*'

Save and exit the file.

Next, modify pg\_hba.conf to also allow connections from everyone. Open the file with your preferred editor:

nano /etc/postgresql/10/main/pg\_hba.conf

Modify this section:

# IPv4 local connections:

host all all 127.0.0.1/32 md5

To this:

# IPv4 local connections:

host all all 0.0.0.0/0 md5

This file stores the client authentication, each record specifies an IP address range, database name, username, and authentication method. In our case, we are granting all database users access to all databases with any IP address range, thus, letting any IP address connect. Save and exit the file. Next, allow port 5432 through the firewall by executing:

sudo ufw allow 5432/tcp

Finally, restart Postgres to apply all the changes you have made to its configuration by running:

sudo systemctl restart postgresql