

## pg\_ident.conf

The pg\_ident.conf file in PostgreSQL maps operating system user names to database user names, allowing for seamless authentication. The file is made up of fixed rules and user-defined rules.

will now explore how to map a new OS account to a database account using peer authentication.

1. We need to create os account.

```
[root@localhost ~]# useradd kiran
```

2. Check in /etc/passwd and it is created.

```
kiran:x:1003:1003::/home/kiran:/bin/bash
```

3. Login to the postgres and create a user.

```
postgres=# create user kiran;  
CREATE ROLE  
postgres=# \l
```

4. Permission to database.

```
postgres=# grant connect on database dileep to kiran;  
GRANT  
postgres=# \q
```

5. Update information in pg\_ident.conf like map name,system-username and pg-username

```
# Put your actual configuration here  
# -----  
  
# MAPNAME          SYSTEM-USERNAME    PG-USERNAME  
kiran              kiran                                kiran
```

6. Update the information in pg\_hba.conf file.

```
# TYPE  DATABASE        USER            ADDRESS          METHOD  
  
# "local" is for Unix domain socket connections only  
local   all                all                                trust  
local   all                kiran            peer map=kiran  
# IPv4 local connections:
```

7. Switch to kiran user and login to the database using port no and username.

```
[root@localhost ~]# su - kiran
[kiran@localhost ~]$ psql -d dileep -U kiran
psql: error: connection to server on socket "/run/postgresql/.s.PGSQL.5432" failed: No such file or directory
        Is the server running locally and accepting connections on that socket?
[kiran@localhost ~]$ psql -d dileep -U kiran -p 2221
psql (14.13)
Type "help" for help.
```

```
dileep=> \l
```

```

              List of databases
  Name      | Owner   | Encoding | Collate | Ctype   | Access privileges
-----+-----+-----+-----+-----+-----
charvith    | postgres | UTF8      | en_US.UTF-8 | en_US.UTF-8 | 
dileep      | postgres | UTF8      | en_US.UTF-8 | en_US.UTF-8 | =Tc/postgres +
            |          |           |             |             | postgres=Ctc/postgres+
            |          |           |             |             | kiran=c/postgres
haritha     | postgres | UTF8      | en_US.UTF-8 | en_US.UTF-8 | 
kiran       | postgres | UTF8      | en_US.UTF-8 | en_US.UTF-8 | 
```