

3. Connect Postgres database from Postgres Client using core-dns's host name.

Going inside the client postgres pod (psql-NameSpace) with command **kubectl exec**
sudo kubectl exec -it postgres-client-deployment-5bc89b7c8b-n2tc4 bash --namespace=psql
Changing the user to postgres

su postgres

And executing psql with -h command to connect to service.postgres host

psql -h "service-postgres.default" -U test -d testdb1 -p 7779 -W

Generally hostname is a combination of <servicename.namespace>.

Here service is in default namespace that's why host name will be **service-postgres.default**

And **core DNS** of minikube will resolve its address

*Here **host** is **service-postgres.default** , user is **test**, DB is **testdb1** and connecting to port **7779** at service port with **password(-W)**.*

```
bibek@bibek-LfTech:~/assignment/mongo/client$ sudo kubectl exec -it postgres-client-deployment-5bc89b7c8b-n2tc4 bash --namespace=psql
[sudo] password for bibek:
kubectl exec [POD] [COMMAND] is DEPRECATED and will be removed in a future version. Use kubectl exec [POD] -- [COMMAND] instead.
root@postgres-client-deployment-5bc89b7c8b-n2tc4:/# su postgres
postgres@postgres-client-deployment-5bc89b7c8b-n2tc4:/# psql -h "service-postgres.default" -U test -d testdb1 -p 7779 -W
Password:
psql (14.1 (Debian 14.1-1.pgdg110+1))
Type "help" for help.

testdb1=#
```