

# PostgresqlConfiguration

## Security Configuration

A good configuration for

```
/etc/postgresql/pg_hba.conf
```

and DSpace might be:

```
# TYPE  DATABASE  USER  IP-ADDRESS  IP-MASK  METHOD
local  all       postgres  :::1        ident sameuser
local  all       all      :::1        ident sameuser
host   all       all      127.0.0.1   255.255.255.255  password
host   all       all      :::1        ffff:ffff:ffff:ffff:ffff:ffff:ffff:ffff  password
host   all       all      ::ffff:127.0.0.1/128  password
host   all       all      0.0.0.0     0.0.0.0   reject
```

This allows users to access their own databases on the local machine using sockets (ie. not tcp/ip). However, for the DSpace installation we want to connect over the network, and while we'll authenticate as the DSpace user, we won't be the DSpace user.

So, to create the DSpace database, you might have to use the following:

```
createdb -U dspace -E UNICODE dspace -h localhost
```

The `-h localhost` bit specifies that the PostgreSQL `createdb` command should connect to the local machine over tcp/ip.