

# PostgresqlConfiguration

## Security Configuration

A good configuration for

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

and DSpace might be:

#	TYPE	DATAASE	USE	IP-ADDESS	IP-MASK	METHOD	
local	all		postgres			ident	sameuser
local	all		all			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	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.