

Creating user, database and adding access on PostgreSQL



Arnav Gupta [Follow](#)

Mar 14, 2017 · 2 min read



A nice postgres installation graphic by <http://digitalocean.com>. DO hosts great servers, check them out.

NOTE: Right off the bat — this is valid as on March 2017, running on Ubuntu 16.04.2, with PostgreSQL 9.6

TL;DR; version

```
sudo -u postgres psql
postgres=# create database mydb;
postgres=# create user myuser with encrypted password
'mypass';
postgres=# grant all privileges on database mydb to myuser;
```

. . .

One nice thing about PGSQL is it comes with some utility binaries like **createuser** and **createdb**. So we will be making use of that.

As the default configuration of Postgres is, a user called **postgres** is made on and the user **postgres** has full superadmin access to entire PostgreSQL instance running on your OS.

```
$ sudo -u postgres psql
```

The above command gets you the psql command line interface in full admin mode.

In the following commands, keep in mind the < angular brackets > are to denote variables you have to set yourself. In the actual command, omit the <>

Creating user

```
$ sudo -u postgres createuser <username>
```

Creating Database

```
$ sudo -u postgres createdb <dbname>
```

Giving the user a password

```
$ sudo -u postgres psql
psql=# alter user <username> with encrypted password
'<password>';
```

Granting privileges on database

```
psql=# grant all privileges on database <dbname> to
<username> ;
```

And yeah, that should be pretty much it !

. . .

Doing purely via psql

Your OS might not have the `createuser` or `createdb` binaries, or you may, for some reason want to do it purely via psql, then these

are the three magic commands —

```
CREATE DATABASE yourdbname;  
CREATE USER youruser WITH ENCRYPTED PASSWORD 'yourpass';  
GRANT ALL PRIVILEGES ON DATABASE yourdbname TO youruser;
```

. . .

Obligatory shameless self-plug :

I am one of the co-founders of Coding Blocks — A Software Programming bootcamp, based out of New Delhi, India. Among other things, we teach Full Stack Web Development using NodeJS, via both classroom programmes, as well as online classes. You can follow our Medium to find more articles on Android and Web development.

Postgres Programming Ubuntu Sysadmin DevOps

Discover Medium

Welcome to a place where words matter. On Medium, smart voices and original ideas take center stage - with no ads in sight. [Watch](#)

Make Medium yours

Follow all the topics you care about, and we'll deliver the best stories for you to your homepage and inbox. [Explore](#)

Become a member

Get unlimited access to the best stories on Medium — and support writers while you're at it. Just \$5/month. [Upgrade](#)

[About](#)[Help](#)[Legal](#)