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# How to setup PostgreSQL and PGAdmin on Manjaro Linux / Arch

This guide is here just because I've messed up the installs on arch before, and turns out it's actually pretty easy to do.



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```
sudo pacman -S yay
yay postgresql pgadmin4
```

This should automatically setup your postgres user and group.

## Step 2 — Setup postgres service

```
sudo -u postgres -i # login as postgres
initdb --locale $LANG -E UTF8 -D '/var/lib/postgres/data/'
exit
```

```
sudo systemctl enable --now postgresql
sudo systemctl status postgresql # to check for any errors
```

## Step 3 — Setup password

```
psql -U postgres

postgres=# \password # to set password
```

## Step 4 — Setup connection security

```
$ su

# cd /var/lib/postgres/data
# cp pg_hba.conf pg_hba.conf.backup # in case you mess up
# nano pg_hba.conf
```

Your default pg\_hba.conf might look like this:



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```
# IPv4 local connections:
host      all             all             127.0.0.1/32      trust
# IPv6 local connections:
host      all             all             ::1/128           trust
# Allow replication connections from localhost, by a user with the
# replication privilege.
local     replication      all             trust
host      replication      all             127.0.0.1/32      trust
host      replication      all             ::1/128           trust
```

“Method” is set to trust, meaning it won’t ask for the password to anyone. To fix that, change the method from `trust` to `md5` everywhere.

And that should be it for postgres!

## Bonus: shortcuts

```
> psql dbname postgres # to directly open a database
```

```
postgres=# \c           # see current database
postgres=# \l           # see list of databases
postgres=# \c dbname    # set database
postgres=# create database dbname; # create database
postgres=# \dt          # see list of tables
```

## Step 6 — PgAdmin

Open up pgadmin, click on “Add New Server”, and add the following:

```
Host: localhost
Port: 5432
Maintenance database: postgres
Username: postgres
Password: <your password>
```





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