# A techie's diary

# CentOS 7 – Install PHP and Postgres

Posted on June 3, 2016December 8, 2016 by Varun Verma

First time using CentOS. Thought it will be useful to list down the steps to install PHP and Postgres and get it to work together.

**0.** Always recommend updating

```
yum update
# update will update every currently installed package
```

**1.** Install PHP

```
yum install php
# Validate installation and version by executing php --info
```

**2.** Install PostgreSQL

```
yum install postgresql-server postgresql-contrib
```

**3.** Install php-pgsql connector

```
yum install php-pgsql
```

**4.** Now start and enable postgres

```
service postgresql initdb
systemctl start postgresql
systemctl enable postgresql
service postgresql restart
```

**5.** Modify the pg_hba.conf file located under /var/lib/pgsql/data/. Find the lines that looks like this

```
host    all             all             127.0.0.1/32            ident
host    all             all             ::1/128                 ident
```

Then replace "ident" with "md5", so they look like this:

```
host    all             all             127.0.0.1/32            md5
host    all             all             ::1/128                 md5
```

**6.** Create local user and set user password

```
adduser automation
sudo su
passwd automation
```

**7.** Login as postgres and connect to database. Create user role (with same password as shell) and new database

```
su postgres
pgsql
>CREATE DATABASE masterdb;
>CREATE ROLE automation WITH PASSWORD 'UserPassword';
>GRANT ALL PRIVILEGES ON DATABASE masterdb TO automation;
>ALTER ROLE automation WITH LOGIN;
```

The last one was important because I wasn't able to connect to the database. But not sure if this solved the problem because GRANT ALL PRIVILEGES should have taken care of it. Needs to be researched further.

**8.** Create a test connection script in PHP to validate database connection

```
//  Configure DB Parameters
$host = "localhost";
$dbname = "masterdb";
$dbuser = "automation";
$userpass = "UserPassword";

$con = pg_connect("host=$host
                                    dbname=$dbname
                                    user=$dbuser
                                    password=$userpass
                                    ");


if (!$con) {
        die('Could not connect');
}
else {
        echo ("Connected to local DB");
}
```

# 5 thoughts on "CentOS                    PHP and Postgres"

1. **dean** says:
   [December 3, 2018 at 6:37 AM](#)
   3. Install php-pgsql connector <- FAILED              please help!

   Fechando
   carro?
   Saiba Mais

   [Reply](#)
   - **Varun Verma** says:
     [December 3, 2018 at 6:53 AM](#)
     Did you do a yum update and install postgresql-server and postgresql-contrib?

     [Reply](#)
     - **dean** says:
       [December 3, 2018 at 7:04 AM](#)
       yup, i did

2. **dean** says:
   [December 3, 2018 at 7:06 AM](#)
   the issue was, conflict between php version (7.1.19) with php-pgsql 5.4.16 (as default in centos 7). when i run the step 3, it gave me an error: Packages skipped because of dependency problems: php-pgsql-5.4.16-45.el7.x86_64 from base

   [Reply](#)