

# How To? - PostgreSQL in SeisComp3

## PostgreSQL Server

First of all you need a PostgreSQL server running. If you don't know how to set up a PostgreSQL server, please visit: [PostgreSQL](#)

Create a new user/password in your PostgreSQL server for Seiscomp3 to use: sysop/sysop. You also need to create a new database: seiscomp3.

It's time to run the SQL script which creates the tables in Seiscomp3 database. You need to copy and execute in PgAdminIII the content of this file: [dbpgsql.sql](#)

Your database is ready for Seiscomp3 now.

## Seiscomp3 Installation

Download the latest **tar** file from here: [Seiscomp3](#)

Before set up Seiscomp3, let's install some **libs**, do this:

```
$ sudo apt-get install libboost-regex1.40.0 libboost-filesystem1.40.0  
libboost-iostreams1.40.0 libboost-program-options1.40.0 libboost-  
signals1.40.0 libboost-thread1.40.0 libboost-wave1.40.0 libboost-  
serialization1.40.0
```

```
$ sudo apt-get install libncurses5 libqt4-core libxml2 python-numeric  
python-numpy alsa-utils libqt4-gui
```

Now, you should untar in your home folder the seiscomp package that you have already downloaded:

```
$ tar -zxvf seiscomp3-potsdam-2010.181.01-ubuntu10.04-x86_64.tar.gz
```

Ok, you had already set up the environment for the installation. You should now follow the instructions provided by the SeisComP staff in: [Seiscomp Documentation](#) → Attention to the following:

When the message “Initialize MySQL database on localhost [yes:]” appears, choose **“no”** → 'cause we have a PostgreSQL server running 😊

Then you can continue following the Seiscomp3 installation guide until trunk configuration steps.

For the database type, choose **“postgresql”** and follow the guide till the following appears:

```
G) Edit global parameters  
A) Add/Edit network  
R) Remove network  
P) Add/Edit configuration profile
```

```
W) Write configuration and quit
Q) Quit without writing configuration
Command? [A]:
```

Type 'w', write your configuration and don't start Seiscomp yet. You have to install the PostgreSQL driver and edit some configuration files before.

Get the **PostgreSQL driver** -> [dbpostgresql.so](http://dbpostgresql.so) and place it in "yourhomefolder"/seiscomp3/trunk/share/plugins

Now go to "yourhomefolder"/seiscomp3/trunk/templates and edit **scglobal.tpl**, replacing its last line:

```
core.plugins = dbmysql -> core.plugins = dbpostgresql
```

You will do the same for **global.cfg** in "yourhomefolder"/seiscomp3/trunk/config. In this folder, you also need to edit **scmaster.cfg**, replacing the 2nd line:

```
plugins.dbPlugin.dbDriver = mysql -> plugins.dbPlugin.dbDriver = postgresql
```

That's it. You can finally start to add your stations. Seiscomp3 is ready to be started now and also is able to use your PostgreSQL Database. Enjoy! 😊

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