osm2pgrouting - Import OSM data into pgRouting Database

Important
osm2pgrouting currently doesn't support anymore pgRouting v1.x but requires pgRouting 2.0 or higher.

Easily import OpenStreetMap data into a pgRouting database using osm2pgrouting tool.

osm2pgrouting was primarily written by Daniel Wendt and is now hosted on the pgRouting project site.

Features

- Uses XML configuration file to select road types and classes to import
- Creates types and classes tables, which can help to create sophisticated cost functions

Requirements

If you already [wiki:1.x/InstallationManual installed pgRouting], you should have all required libraries/packages.

- PostgreSQL
- PostGIS
- pgRouting

Currently osm2pgrouting is only tested on Linux distributions.

How to install

Download the latest version from osm2pgrouting GitHub repository and extract the file:

Then compile:

```
cd /path/to/osm2pgrouting
make
```

If you get an error like

```
src/Export2DB.h:25:22: error: libpq-fe.h: Datei oder Verzeichnis nicht gefunden
src/Export2DB.h:84: error: ISO C++ forbids declaration of 'PGconn' with no type
src/Export2DB.h:84: error: expected ';' before '*' token
src/Export2DB.cpp: In constructor 'Export2DB::Export2DB(std::string,
std::string, std::string, std::string, std::string)':
... etc etc.
```

just change src/Export2DB.h and set the path to libpq-fe.h statically.

How to use

Start the program like this:

```
./osm2pgrouting -file your-OSM-XML-File.osm \
                -conf mapconfig.xml \
                -dbname routing \
                -user postgres \
                -clean
```

Previous topic

OSM2PostGIS - Import OSM data to PostGIS
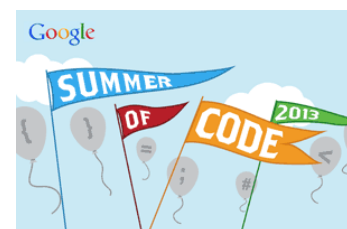
Next topic

pgRouting Gallery

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Links

- pgRouting Workshop
- PostgreSQL
- PostGIS

all available parameters are:

```
required:
-file <file>  -- name of your osm xml file
-dbname <dbname> -- name of your database
-user <user> -- name of the user, which have write access to the database
-conf <file> -- name of your configuration xml file
optional:
-host <host>  -- host of your postgresql database (default: 127.0.0.1)
-port <port> -- port of your database (default: 5432)
-passwd <passwd> --  password for database access
-clean -- drop peviously created tables
```

Note

There was a patch attached to some Wiki page on the previous TRAC
website. You can download the patch from here: **osm2pgrouting.patch**

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