

QGIS Application - Feature request #11604

DB Manager needs option to create a database connection

2014-11-09 02:18 AM - Patrick Van Laake

Status:	Closed	
Priority:	Low	
Assignee:		
Category:	DB Manager	
Pull Request or Patch supplied:	No	Resolution: duplicate
Easy fix?:	No	Copied to github as #: 19861
Description The DB Manager window currently has no option to create a new database connection. To create a connection to PostgreSQL I have to use the SPIT tool, after which the newly created connection can be selected in DB Manager.		

History

#1 - 2014-11-09 03:19 AM - Paolo Cavallini

No need for SPIT, you can add a connection from the Browser

#2 - 2015-09-04 04:37 AM - Giuseppe Sucameli

- Priority changed from Normal to Low

In this moment DBManager allows to add new Spatialite connections only.

Anyway you can add new PostgreSQL connections using "Add Postgis layer" from QGIS.

#3 - 2016-02-08 01:19 PM - Larry Shaffer

- File *postgres-conns.png* added

Adding a Postgres connection manager (for convenience) could be done in two ways:

1. Make a manager from scratch in Python
1. Use the Postgres provider's selectWidget() and strip out the 'Add Layer' bits
1. Edit the QgsVectorDataProvider external plugin interface to provide a new connectionWidget() for managing just connections

The following hack-ish code works to slim the provider's current select widget down to just a connection manager GUI:

```
from PyQt4.QtGui import *
from PyQt4.QtCore import *

dprovs = [d for d in QgsDataItemProviderRegistry.instance().providers() if 'postgres' in d.name()]
if dprovs:
    dpitem = dprovs[0].createDataItem("", None)

    dpitemw = dpitem.paramWidget()
```

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```

dpiteml = dpitemw.layout()

grpbxitem = None
for i in range(0, dpiteml.count()):
    w = dpiteml.itemAt(i).widget()
    if w and w.objectName() == 'connectionsGroupBox':
        grpbxitem = dpiteml.takeAt(i)
        break

if grpbxitem:
    btn = grpbxitem.widget().findChild(QPushButton, 'btnConnect')
    if btn:
        btn.setVisible(False)

    dlg = QDialog()
    dlg.setWindowTitle('Postgres Connections')
    lay = QVBoxLayout()
    lay.addItem(grpbxitem)
    btnbx = QDialogButtonBox(QDialogButtonBox.Ok | QDialogButtonBox.Cancel)
    lay.addWidget(btnbx)
    btnbx.accepted.connect(dlg.accept)
    btnbx.rejected.connect(dlg.reject)
    dlg.setLayout(lay)

    if dlg.exec_():
        # refresh the Postgres tree item
        print 'accepted'

```

See attached screenshot. This could be implemented as an action in the contextual menu for the Postgres parent tree item and as a toolbar action.

#4 - 2016-11-21 10:53 PM - Paolo Cavallini

- Resolution set to duplicate
- Status changed from Open to Closed

Duplicate of #4795

Files			
postgres-conns.png	26.6 KB	2016-02-08	Larry Shaffer