

QGIS Application - Bug report #8920

DB Manager Fails to Load Raster | QGIS 2.0.1

2013-10-20 06:38 PM - Matthew Kenny

Status:	Closed	
Priority:	Normal	
Assignee:		
Category:	DB Manager	
Affected QGIS version:	2.0.1	Regression?: No
Operating System:	Mac OS X	Easy fix?: No
Pull Request or Patch applied:	No	Resolution: fixed/implemented
Crashes QGIS or corrupts data:	No	Copied to github as #: 17594
Description		
Hello, I'm receiving the following error below when trying to load a raster stored in PostGIS, via the QGIS db manager plugin. I'm currently using a QGIS on a Mac, with the following build notes: QGIS version 2.0.1-Dufour QGIS code revision f738351 Compiled against Qt 4.8.5 Running against Qt 4.8.5 Compiled against GDAL/OGR 1.10.1 Running against GDAL/OGR 1.10.1 Compiled against GEOS 3.4.2-CAPI-1.8.2 Running against GEOS 3.4.2-CAPI-1.8.2 r3921 PostgreSQL Client Version 9.2.4 SpatiaLite Version 4.1.1 QWT Version 6.0.2 PROJ.4 Version 480 QScintilla2 Version 2.7.2 An error has occurred while executing Python code: Traceback (most recent call last): File "/Applications/QGIS.app/Contents/MacOS/../Resources/python/plugins/db_manager/db_manager.py", line 83, in itemChanged self.refreshTabs() File "/Applications/QGIS.app/Contents/MacOS/../Resources/python/plugins/db_manager/db_manager.py", line 134, in refreshTabs self.info.showInfo(item) File "/Applications/QGIS.app/Contents/MacOS/../Resources/python/plugins/db_manager/info_viewer.py", line 75, in showInfo self._showTableInfo(item) File "/Applications/QGIS.app/Contents/MacOS/../Resources/python/plugins/db_manager/info_viewer.py", line 132, in _showTableInfo html += table.info().toHtml() File "/Applications/QGIS.app/Contents/MacOS/../Resources/python/plugins/db_manager/db_plugins/info_model.py", line 352, in toHtml ret = self.getTableInfo() File "/Applications/QGIS.app/Contents/MacOS/../Resources/python/plugins/db_manager/db_plugins/postgis/info_model.py", line 194, in getTableInfo ret = TableInfo.getTableInfo(self) File "/Applications/QGIS.app/Contents/MacOS/../Resources/python/plugins/db_manager/db_plugins/info_model.py", line 285, in getTableInfo general_info = self.generalInfo() File "/Applications/QGIS.app/Contents/MacOS/../Resources/python/plugins/db_manager/db_plugins/postgis/info_model.py", line 95, in generalInfo if len(filter(lambda fld: fld.primaryKey, self.table.fields())) File "/Applications/QGIS.app/Contents/MacOS/../Resources/python/plugins/db_manager/db_plugins/plugin.py", line 613, in fields self._fields = map(lambda x: self.tableFieldsFactory(x, self), fields)		

```

File "/Applications/QGIS.app/Contents/MacOS/../Resources/python/plugins/db_manager/db_plugins/plugin.py", line 613, in
    self._fields = map(lambda x: self.tableFieldsFactory(x, self), fields)
File "/Applications/QGIS.app/Contents/MacOS/../Resources/python/plugins/db_manager/db_plugins/postgis/plugin.py", line
229, in tableFieldsFactory
    return PGTableField(row, table)
File "/Applications/QGIS.app/Contents/MacOS/../Resources/python/plugins/db_manager/db_plugins/postgis/plugin.py", line
311, in __init__
    for con in self.table().constraints():
File "/Applications/QGIS.app/Contents/MacOS/../Resources/python/plugins/db_manager/db_plugins/plugin.py", line 660, in
constraints
    self._constraints = map(lambda x: self.tableConstraintsFactory(x, self), constraints)
File "/Applications/QGIS.app/Contents/MacOS/../Resources/python/plugins/db_manager/db_plugins/plugin.py", line 660, in
    self._constraints = map(lambda x: self.tableConstraintsFactory(x, self), constraints)
File "/Applications/QGIS.app/Contents/MacOS/../Resources/python/plugins/db_manager/db_plugins/postgis/plugin.py", line
232, in tableConstraintsFactory
    return PGTableConstraint(row, table)
File "/Applications/QGIS.app/Contents/MacOS/../Resources/python/plugins/db_manager/db_plugins/postgis/plugin.py", line
334, in __init__
    self.foreignMatchType = TableConstraint.matchTypes[row[9]]
KeyError: u's'

```

Python version:
 2.7.2 (default, Oct 11 2012, 20:14:37)
 [GCC 4.2.1 Compatible Apple Clang 4.0 (tags/Apple/clang-418.0.60)]

QGIS version:
 2.0.1-Dufour Dufour, f738351

Python path: ['/Applications/QGIS.app/Contents/MacOS/../Resources/python/plugins/processing',
 '/Applications/QGIS.app/Contents/MacOS/../Resources/python', '/Users/matt/.qgis2/python', '/Users/matt/.qgis2/python/plugins',
 '/Applications/QGIS.app/Contents/MacOS/../Resources/python/plugins',
 '/Library/Frameworks/SQLite3.framework/Versions/B/Python/2.7',
 '/Library/Frameworks/GEOS.framework/Versions/3/Python/2.7',
 '/Library/Frameworks/GDAL.framework/Versions/1.10/Python/2.7/site-packages',
 '/Library/Python/2.7/site-packages/swampy-2.1.1-py2.7.egg', '/Library/Python/2.7/site-packages/pygooglechart-0.3.0-py2.7.egg',
 '/Library/Python/2.7/site-packages/GChartWrapper-0.9-py2.7.egg', '/Library/Python/2.7/site-packages/pip-1.2.1-py2.7.egg',
 '/System/Library/Frameworks/Python.framework/Versions/2.7/lib/python27.zip',
 '/System/Library/Frameworks/Python.framework/Versions/2.7/lib/python2.7',
 '/System/Library/Frameworks/Python.framework/Versions/2.7/lib/python2.7/plat-darwin',
 '/System/Library/Frameworks/Python.framework/Versions/2.7/lib/python2.7/plat-mac',
 '/System/Library/Frameworks/Python.framework/Versions/2.7/lib/python2.7/plat-mac/lib-scriptpackages',
 '/System/Library/Frameworks/Python.framework/Versions/2.7/Extras/lib/python',
 '/System/Library/Frameworks/Python.framework/Versions/2.7/lib/python2.7/lib-tk',
 '/System/Library/Frameworks/Python.framework/Versions/2.7/lib/python2.7/lib-old',
 '/System/Library/Frameworks/Python.framework/Versions/2.7/lib/python2.7/lib-dynload',
 '/System/Library/Frameworks/Python.framework/Versions/2.7/Extras/lib/python/PyObjC', '/Library/Python/2.7/site-packages',
 '/Applications/QGIS.app/Contents/Resources/python/plugins/fTools/tools']

History

#1 - 2013-10-20 09:57 PM - Giovanni Manghi

- Category set to DB Manager

#2 - 2013-11-11 10:52 AM - Max Bohnet

The error occurs not only with raster tables but with all tables, that have a foreign key constraint with a "MATCH SIMPLE" match type.

I added 's': 'SIMPLE' to the matchTypes-Dictionary of the TableConstraint class in line 988 in db_plugins\plugins.py. So it works fine for me:

```
matchTypes = { "u" : "UNSPECIFIED", "f" : "FULL", "p" : "PARTIAL", "s": 'SIMPLE', }
```

How can I submit that patch?

#3 - 2013-11-25 01:36 PM - C Daniel Sanchez R.

This bug is present in 2.1.0-Master (Debian Jessie amd64, Nightly build), and PostgreSQL 9.3

Patch suggested by Max corrects this error. Please apply it as soon as possible.

Thanks.

#4 - 2013-11-26 02:25 AM - Giovanni Manghi

- Target version set to Future Release - High Priority
- Pull Request or Patch supplied changed from No to Yes
- Status changed from Open to Feedback

Max Bohnet wrote:

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```
matchTypes = { "u" : "UNSPECIFIED", "f" : "FULL", "p" : "PARTIAL", "s": 'SIMPLE', }
```

How can I submit that patch?

Please submit the patch as pull request in the qgis github repository

<https://github.com/qgis/QGIS/commits/master>

#5 - 2013-12-27 12:32 PM - Tim Sutton

I merged your pull request here <https://github.com/qgis/QGIS/pull/1042> - many thanks!

#6 - 2013-12-27 12:32 PM - Tim Sutton

- Resolution set to fixed/implemented

#7 - 2013-12-28 09:04 AM - Matthias Kuhn

- Status changed from Feedback to Closed