

QGIS Application - Bug report #775

CreateVectorLayer(), setDataProvider("ogr") segfault

2007-10-05 10:39 PM - crschmidt -

Status: Closed	
Priority: Low	
Assignee: Martin Dobias	
Category: Data Provider	
Affected QGIS version:	Regression?: No
Operating System: OS X	Easy fix?: No
Pull Request or Patch supplied:	Resolution: fixed
Crashes QGIS or corrupts data:	Copied to github as #: 10834
Description	
<p>The following commands in the Python console will crash qgis:</p>	
<pre>import qgis.core as c l = c.QgsVectorLayer() l.setDataProvider("ogr")</pre>	
<p>Backtrace:</p>	
<p>Thread 0 Crashed:</p>	
<pre>0 libstdc++.6.dylib 0x90b2f9de std::basic_string<char, std::char_traits<char>, std::allocator<char> >::assign(char const*) + 20 1 org.gdal.gdal 0x0250d7e9 OGRIL1DataSource::Open(char const*, int) + 105 2 org.gdal.gdal 0x0250dc94 OGRIL1Driver::Open(char const*, int) + 60 3 org.gdal.gdal 0x0248f325 OGRSFDriverRegistrar::Open(char const*, int, OGRSFDriver**) + 85 4 libogrprovider.so 0x1c2920de [[QgsOgrProvider]]::QgsOgrProvider[in-charge](QString const&) + 1742 5 libogrprovider.so 0x1c292495 classFactory + 37 6 libqgis_core.dylib 0x01d45284 [[QgsProviderRegistry]]::getProvider(QString const&, QString const&) + 230 7 libqgis_core.dylib 0x01d607ab [[QgsVectorLayer]]::setDataProvider(QString const&) + 89 8 core.so 0x1db235f8 meth_QgsVectorLayer_setDataProvider + 156</pre>	
<p>The problem is presumably the null qstring provided as the second arg to getProvider, which should be a filename, but isn't.</p>	

History

#1 - 2007-10-06 11:25 AM - Martin Dobias

Hi,

I can replicate the problem and I'll fix it later, however this is not the way how the layers should be instantiated. In fact setDataProvider() should be protected function. You can find here how to open layers:

<http://wiki.qgis.org/qgiswiki/PythonBindings>

Martin

#2 - 2007-10-11 04:49 PM - Martin Dobias

- *Resolution set to fixed*
- *Status changed from Open to Closed*

Fixed in .

setDataProvider() is now private.

I guess your intent was to create a new layer here. It's stupid but there's no straightforward way to do it in QGIS. But it's possible to create an empty shapefile with `[[QgsVectorFileWriter]]` and then use it to construct a `[[QgsVectorLayer]]`...