

QGIS Application - Bug report #7075

Create WFS Layer in stand alone python script

2013-01-29 04:31 PM - Jeremy Palmer

<b>Status:</b>	Closed	
<b>Priority:</b>	Normal	
<b>Assignee:</b>	Marco Hugentobler	
<b>Category:</b>	Web Services clients/WFS	
<b>Affected QGIS version:</b>	master	<b>Regression?:</b> No
<b>Operating System:</b>	ubuntu	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>	No	<b>Resolution:</b>
<b>Crashes QGIS or corrupts data:</b>	No	<b>Copied to github as #:</b> 16159
<b>Description</b>		
<p>The following script hangs with CPU 100%:</p> <pre>from PyQt4.QtCore import * from PyQt4.QtXml import * from qgis.core import * from qgis.gui import *  QgsApplication.setPrefixPath("/usr", True) QgsApplication.initQgis()  sourceUri = "http://foo/bar"  layer = QgsVectorLayer(sourceUri, "My WFS layer", "WFS")</pre> <p>outputs following Qt warnings:</p> <pre>QEventLoop: Cannot be used without QApplication QDBusConnection: system D-Bus connection created before QCoreApplication. Application may misbehave. QEventLoop: Cannot be used without QApplication</pre> <p>Could this be because the WFS driver normally tries to create a GUI process dialog when running within the QGIS app?</p>		

History

#1 - 2013-01-30 12:10 PM - Marco Hugentobler

I think the problem is that there is no instance of QgsApplication in the script (QEventLoop: Cannot be used without QApplication). Try something like this (not tested, so only a rough indication):

```
def main( argv ):
    theApplication = QgsApplication( argv, False )
    QgsApplication.setPrefixPath( '/usr', True )
    providerRegistry = QgsProviderRegistry.instance( QgsApplication.pluginPath() )
    sourceUri = "http://foo/bar"
    layer = QgsVectorLayer(sourceUri, "My WFS layer", "WFS")
```

**#2 - 2013-01-30 12:11 PM - Marco Hugentobler**

- *Status changed from Open to Feedback*

**#3 - 2013-01-30 12:28 PM - Jeremy Palmer**

- *Status changed from Feedback to Closed*

Thanks that works even, if a little non-standard. All other providers I've used don't need this.

**#4 - 2013-01-30 10:23 PM - Marco Hugentobler**

| *All other providers I've used don't need this.*

It is because QNetworkAccessManager class needs a Qt event loop.