QGIS Application - Bug report #7075
Create WFS Layer in stand alone python script

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

Status:	Closed		
Priority:	Normal		
Assignee:	Marco Hugentobler		
Category:	Web Services clients/WFS		
Affected QGIS version:	master	**Regression?:**	No
Operating System:	ubuntu	**Easy fix?:**	No
Pull Request or Patch supplied:	No	**Resolution:**	
Crashes QGIS or corrupts data:	No	**Copied to github as #:**	16159

Description

The following script hangs with CPU 100%:

```
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")
```

outputs following Qt warnings:

```
QEventLoop: Cannot be used without QApplication
QDBusConnection: system D-Bus connection created before QCoreApplication. Application may misbehave.
QEventLoop: Cannot be used without QApplication
```

Could this be because the WFS driver normally tries to create a GUI process dialog when running within the QGIS app?

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.