

Plugin manager crashes when adding a repository

Status:	Closed	
Priority:	Severe/Regression	
Assignee:	Borys Jurgiel	
Category:	Plugin Manager	
Affected QGIS version:	master	Regression?: No
Operating System:		Easy fix?: No
Pull Request or Patch supplied:	No	Resolution:
Crashes QGIS or corrupts data:	Yes	Copied to github as #: 17055

I have created an unofficial plugin repository, which was working under 1.8. When I try to add it in master (e689364) using the plugin manager, QGIS crashes. Thereafter, every time I try to open the plugin manager, QGIS crashes again. I have tried reverting to a previously-known-working version of the XML (tested on 1.8), but still the repo causes a crash.

```
- section of ~/.config/QGIS2.conf:*
  plugin-repos\\QGIS%20Official%20Plugin%20Repository\\url=http://plugins.qgis.org/plugins/plugins.xml
  plugin-installer\\checkOnStart=false
  plugin-installer\\checkOnStartInterval=0
  plugin-seen=sextante, tmsforkorea, db_manager, pointsamplingtool, quickfinder, imagemap_plugin, postgres91plusauditor,
  popvisiblelayers, valuetool, simplesvg, plaingeometryeditor, openlayers_plugin, DistroMap, qgsexpressionsplus, pinpoint,
  asterinterpolation, points2one, photo2shape, NewMemoryLayer, DataDrivenInputMask, lizmap, GdalTools, profiletool,
  boomtocoordinates, DockableMirrorMap, layers_by_field, tablemanager, fTools, mapserver_export, VectorFieldRenderer, mmqgis,
  shapefile_encoding_fixer, pluginbuilder, tileindex, itembrowser, SANBI_Gazetteer, linkit, MemoryLayerSaver, scriptrunner
  plugin-installer\\checkOnStartLastDate=@Variant(\\0\\0\\0\\xe\\0%{\\xa3)
  plugin-installer\\allowExperimental=true
  plugin-repos\\SANBI%20Plugin%20Repository\\url=http://gator869.hostgator.com/~rudivs/plugins/plugins.xml
  plugin-repos\\SANBI%20Plugin%20Repository\\enabled=true
```

```
<plugins>
  <pyqgis_plugin name="Gazetteer" version="0.3.1">
    <description>Gazetteer Search plugin</description>
    <version>0.3.1</version>
    <qgis_minimum_version>1.8</qgis_minimum_version>
    <qgis_maximum_version>1.99</qgis_maximum_version>
    <homepage>https://github.com/rudivs/QGIS-Gazetteer-Plugin&lt;it/homepage>
    <file_name>SANBI_Gazetteer.zip</file_name>
    <author_name>Rudi von Staden</author_name>
    <download_url>http://gator869.hostgator.com/~rudivs/plugins/SANBI\_Gazetteer.zip&lt;it/download\_url>
    <create_date>2013-07-07</create_date>
    <update_date>None</update_date>
    <experimental>False</experimental>
    <deprecated>False</deprecated>
  </pyqgis_plugin>
</plugins>
```

Associated revisions

Revision 682a89c9 - 2013-07-09 05:39 PM - Borys Jurgiel

[Plugin Installer] Fixes #8244 (crash on closing http request)

History

#1 - 2013-07-09 05:26 AM - Matthias Kuhn

It does not crash here, but I get an error indicating "server replied: Not Acceptable"

#2 - 2013-07-09 05:38 AM - Rudi von Staden

It seems that I can't add any repositories at the moment. I've tried adding the Sourcepole repo and Carson Farmer's repo (linked at https://issues.qgis.org/projects/quantum-gis/wiki/Python_Plugin_Repositories), and both crash. Could it be a build issue somewhere?

Here are the message outputs when running from command line:

Warning: loading of qt translation failed [/usr/share/qt4/translations/qt_en_ZA]

Warning: void DBusMenuExporterPrivate::addAction(QAction*, int): Already tracking action "&SEXTANTE toolbox" under id 261

Fatal: QGIS died on signal 11

Stacktrace (piped through c++filt):

/home/rudi/apps/qgis/bin/qgis(myMessageOutput(QtMsgType, char const*)+0x250)[0x816a810]

/usr/lib/i386-linux-gnu/libQtCore.so.4(qt_message_output(QtMsgType, char const*)+0x39)[0xb47b8629]

/usr/lib/i386-linux-gnu/libQtCore.so.4(+0x5cb39)[0xb47b8b39]

/usr/lib/i386-linux-gnu/libQtCore.so.4(qFatal(char const*, ...)+0x18)[0xb47b8c58]

/home/rudi/apps/qgis/bin/qgis(qgisCrash(int)+0x19)[0x816a5be]

[0xb774e400]

[0xc086218]

Aborted (core dumped)

#3 - 2013-07-09 05:41 AM - Borys Jurgiel

- *Crashes QGIS or corrupts data changed from No to Yes*

Ok, seems I can replicate the crash.

#4 - 2013-07-09 05:47 AM - Matthias Kuhn

- *Priority changed from Normal to Severe/Regression*

Confirmed here too after pulling

from py-bt:

```
build/output/python/pyplugin_installer/installer.py, line 125, in fetchAvailablePlugins (self=<QgsPluginInstaller(statusLabel=None) at remote
0x3edd710>, reloadMode=True, key=u'QGIS Official Repository')\n
">~" repositories.killConnection(key)\n
```

```
"
>~"#12 (frame information optimized out)\
"
>~"#15 (frame information optimized out)\
"
```

#5 - 2013-07-09 08:40 AM - Borys Jurgiel

- Status changed from Open to Closed

Fixed in changeset commit:"682a89c957650c438d28b721e1633fab4a881466".

#6 - 2013-07-09 08:53 AM - Borys Jurgiel

It was a side-effect of the recent change in closing pending requests. Now it's fixed, however, your repository still returns the "406: Not Acceptable" status. Clearly your http server doesn't accept standard QNetworkRequest (with quite minimalistic headers I guess), while it works ok with web browsers. So I tried to set the headers exactly like my Chromium does (even if they doesn't seem to make much sense), without success:

```
setRawHeader( "Accept", "text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8" )
setRawHeader( "Accept-Encoding", "gzip,deflate,sdch" )
setRawHeader( "Accept-Language", "pl-PL,pl;q=0.8,en-US;q=0.6,en;q=0.4" )
```

Maybe you can configure your server to work without the "Accept" headers?

#7 - 2013-07-09 10:45 AM - Rudi von Staden

Thanks Borys, I'm compiling the updated code so I'm sure that'll fix the crash problem. It seems that the 406 error is related to Apache's mod_security module. It can be disabled in .htaccess using the directive below. But it was working in 1.8, so I wonder what was handled differently there, and whether the issue will affect others? The headers with 1.8 are pretty minimal too (well they seem that way checking with Wireshark):

```
@GET /~rudivs/plugins/plugins.xml HTTP/1.1\
\
```

```
Connection: Keep-Alive\
\
```

```
Host: gator869.hostgator.com\
\
```

```
\
\
```

```
@
```

Some people seem to have got it to work with setRawHeader("User-Agent" , "Mozilla Firefox"), but I don't know whether that would work here, or whether it would be a desirable solution.

For the benefit of anyone else with this issue, you can turn off mod_security by placing this in your .htaccess file:

```
<IfModule mod_security.c>  
SecFilterEngine Off  
SecFilterScanPOST Off  
</IfModule>
```

I haven't disabled it yet in case you want to test any other settings for user agent.

#8 - 2013-07-09 11:28 AM - Borys Jurgiel

Hi, we switched from simple QHttp requests to QgsNetworkAccessManager (mainly in order to properly support proxies) and it caused the difference. I'd avoid setting false User-Agent, I guess we'll rather set it to "QGIS-Something" some day to possibly collect statistics or so.

I don't have enough time to play with the headers right now, so feel free to disable mod_security in your repo. Other repositories works fine, so I guess we can leave it like is for now. However, thank you very much for the fruitful investigation. Now I know I need to enable mod_security in my test repo if further tests will occur necessary.