

QGIS Application - Bug report #2882

Python support broken for 64 bit systems

2010-07-12 06:37 AM - Volker Fröhlich

Status: Closed	
Priority: Low	
Assignee: Borys Jurgiel	
Category: Python plugins	
Affected QGIS version:	Regression?: No
Operating System: Unix	Easy fix?: No
Pull Request or Patch supplied:	Resolution: fixed
Crashes QGIS or corrupts data:	Copied to github as #: 12942
Description	
The patch for ticket #2618 introduced a static path to a library, that does not pay respect to 64 bit systems.	
http://trac.osgeo.org/qgis/changeset/13884	

History

#1 - 2010-07-12 06:43 AM - gjm -

Can you give more details please?

Commit commit:576c0409 (SVN r13885) was developed and tested on my 64-bit [[OpenSUSE]] 11.2 system.

#2 - 2010-07-12 06:49 AM - Volker Fröhlich

Yes, the error message is:

Warning: Couldn't load Python support library: Cannot load library /usr/lib/qgispython: (/usr/lib/libqgispython.so: cannot open shared object file: No such file or directory)

The library is actually in /usr/lib64, not in /usr/lib.

#3 - 2010-07-12 07:39 AM - Jürgen Fischer

Replying to [comment:2 volter]:

Yes, the error message is:

Warning: Couldn't load Python support library: Cannot load library /usr/lib/qgispython: (/usr/lib/libqgispython.so: cannot open shared object file: No such file or directory)

The library is actually in /usr/lib64, not in /usr/lib.

The standard configuration wouldn't install into that directory - but QGIS_LIB_SUBDIR is configurable - so we should use the configured value. Does the attached patch help (also for #2618)?

#4 - 2010-07-12 07:56 AM - gjm -

Almost :) I think that the second attached patch will do it.

#5 - 2010-07-12 08:07 AM - gjm -

A question: should QGIS_LIB_SUBDIR be used for all systems, including the current two special cases in the code for Mac and Mgwin32?

That is, rather than the defines, should the code just be

```
pythonlibName.prepend( [[QgsApplication]]::prefixPath() + "/" + QGIS_LIB_SUBDIR + "/" );
```

(with a suitable Qt function to get the right path separator?).

#6 - 2010-07-12 08:19 AM - Jürgen Fischer

Replying to [comment:5 gjm]:

| *A question: should QGIS_LIB_SUBDIR be used for all systems, including the current two special cases in the code for Mac and Mgwin32?*

Well, for OSX there is the xcode project, which is used to create the packages. I don't know if it has/uses QGIS_LIB_SUBDIR. I also never uses [[MinGW]] to build QGIS. So IMHO better save than sorry ;)

| *(with a suitable Qt function to get the right path separator?).*

I don't think we need to care about that. On Windows boths seperators work and IIRC in some circumstances Qt wouldn't work with backslashes.

#7 - 2010-07-12 08:21 AM - Volker Fröhlich

The second patch is working for me, didn't try the first one.

#8 - 2010-07-12 08:42 AM - William Kyngesburye

Replying to [comment:5 gjm]:

| *A question: should QGIS_LIB_SUBDIR be used for all systems, including the current two special cases in the code for Mac and Mgwin32?*

QGIS_LIB_SUBDIR *is* used on the Mac build, in both cmake and xcode.

#9 - 2010-07-12 08:49 AM - gjm -

Replying to [comment:8 kyngchaos]:

Replying to [comment:5 gjm]:

A question: should QGIS_LIB_SUBDIR be used for all systems, including the current two special cases in the code for Mac and Mingw32?

QGIS_LIB_SUBDIR is used on the Mac build, in both cmake and xcode.

But the code

```
#if defined(Q_WS_MAC)
pythonlibName.prepend( [[QgsApplication]]::prefixPath() + "/lib/" );
```

in qgisapp.cpp is hard-coding in /lib/ for the location of the qgis libraries, rather than using QGIS_LIB_SUBDIR (commit:5baeed1c (SVN r13913)).

#10 - 2010-07-12 08:54 AM - gjm -

The second attached patch has been applied (commit:5baeed1c (SVN r13913)). The code for non-linux system remains unchanged (probably best to let someone who compiles under Mac or Mingw32 to change them if necessary).

#11 - 2010-07-12 09:00 AM - William Kyngesburye

I meant that it is defined, and used, within the project/cmake files, so it is available to use in source files. Go ahead and group Mac and Linux in qgisapp.cpp like in the original.

#12 - 2010-07-12 10:38 AM - gjm -

- Status changed from Open to Closed

- Resolution set to fixed

I'd rather wait until after version 1.5.0 has been branched (aka, if it's not broken, don't fix it immediately before a version is released:).

I'll add it to ticket #2863, which is where I have a few other non-urgent patches waiting for the branch.

#13 - 2010-07-18 05:07 AM - gjm -

Implement in

Files

diff	1010 Bytes	2010-07-12	Jürgen Fischer
patch.txt	1.03 KB	2010-07-12	gjm -