QGIS Application - Bug report #8085
A 64 bits build on Windows crash on exit

2013-06-16 12:34 PM - Joaquim Luis

Status:	Closed			
Priority:	Normal			
Assignee:				
Category:				
Affected QGIS version:	master	**Regression?:**	No
Operating System:	Windows 7 64	**Easy fix?:**	No
Pull Request or Patch supplied:		**Resolution:**	
Crashes QGIS or corrupts data:	No	**Copied to github as #:**	16923

Description

Hi,

I built a 64 bits version using pure native dependencies, that is everything id build with VS2010 64 bits.

Although it seams to work fine the exe crash on exit but writes a minidump file (~8 Mb).

I can upload the dump if anyone is interested.

Joaquim

Associated revisions

Revision bdd61d59 - 2013-06-17 04:59 PM - Matthias Kuhn

Only cleanup python on exit if loaded

Fix #8085

History

#1 - 2013-06-16 12:37 PM - Jürgen Fischer

Produce a backtrace please.

#2 - 2013-06-16 12:57 PM - Joaquim Luis

Here goes the dump file

#3 - 2013-06-16 12:59 PM - Joaquim Luis

Dump file did not go through. Size limits?

#4 - 2013-06-16 01:25 PM - Gerhard Spieles

- File qgis_dev__win64_minidump_on_exit.jpg added

confirm crash while exit on win7 64bit.

Screenshot with dmp popup is attached.

#5 - 2013-06-16 01:30 PM - Joaquim Luis

Tried to build a debug version but errors at

> Linking CXX executable ..\\..\\output\\bin\\qgis.exe
> qtmain.lib(qtmain_win.obj) : error LNK2038: mismatch detected for '_ITERATOR_DEBUG_LEVEL': value '0' doesn't match value '2' in main.cpp.obj
>   Creating library qgis.lib and object qgis.exp
> MSVCRTD.lib(cinitexe.obj) : warning LNK4098: defaultlib 'msvcrt.lib' conflicts with use of other libs; use /NODEFAULTLIB:library
> ..\\..\\output\\bin\\qgis.exe : fatal error LNK1319: 1 mismatches detected
> LINK Pass 1 failed. with 2

#6 - 2013-06-16 01:33 PM - Jürgen Fischer

Joaquim Luis wrote:

> *Tried to build a debug version but errors at*
>
> *[...]*

Try RelWithDebInfo

#7 - 2013-06-16 03:16 PM - Joaquim Luis
- File Capture.JPG added

OK, that worked. The crash dump is now 10 Mb

It crashes in the QgisApp::~QgisApp() destructor, near its end at
    mPythonUtils->exitPython();

Attached a screencapture of the VS dump summary.

#8 - 2013-06-16 11:31 PM - Matthias Kuhn

That call was inserted recently to cleanup the python environment.
I can imagine that this problem is unrelated to your compiler setup.

Did you execute any python code (plugins/console?)

Could you still upload the full dump to investigate this.

#9 - 2013-06-17 04:06 AM - Joaquim Luis

No no python code executed. Only opening and close causes the dump generation.
I am trying to upload the dump but I see that the limit is 5 MB, and it has 10 so it will likely fail again.

#10 - 2013-06-17 04:09 AM - Giovanni Manghi

Joaquim Luis wrote:

> *No no python code executed. Only opening and close causes the dump generation.*
>
> *I am trying to upload the dump but I see that the limit is 5 MB, and it has 10 so it will likely fail again.*

dropbox?

#11 - 2013-06-17 06:12 AM - Joaquim Luis
- File qgis-20130616-230856-5956-2984-4b8f3c7.zip added

zipped the file size dropped to 1.4 Mb so it should pass now

#12 - 2013-06-17 07:20 AM - Matthias Kuhn

I just realized, that I am not even able to extract a backtrace from the dump file without the matching binaries. I am not even sure, that the binaries would help (I remember .pdb files being important as well but that was with another compiler setup...)
The possibilities I can think of to proceed are:

- You share a backtrace, so we can try to guess where the problem source is
- You can #ifdef the offending line for your system (Windows 64 bits) if this helps in your case and your system is really the only one affected

Sorry for the inconvenience.

#13 - 2013-06-17 07:43 AM - Joaquim Luis

I have some experience with VS debugging but never with a dump file so I don't really know how it would work. I'm afraid that in order it work elsewhere I would have to make a copy of everything, including all the DLLs dependencies.

Sorry, I don't know either what is a backtrace. How would I produce one?
The #ifdef solution should be trivial to implement and will likely solve the problem for me, but there was another user -- Gerhard Spieles -- that reported the same problem in this thread. I didn't quite get if he had also built it's own binaries (64 bits?) or not.

Gerhard, if you are following this, can you please elaborate more about your setup?

#14 - 2013-06-17 07:55 AM - Matthias Kuhn

Maybe you did not compile / load the python library at all?
Can you try to update the code to use the following if:

```
if ( mPythonUtils )
  mPythonUtils->exitPython();
```

#15 - 2013-06-17 08:26 AM - Joaquim Luis

Things are getting better. With that condition it now exits cleanly but your question makes me think there is something I'm not doing write with my build. Basically what I'm doing is to include a CmakeUser.cmake file with path definitions and than run cmake & nmake. However, afaik only grass and postgres are not used here. For example, I can see in the CMakeCache.txt a line with

PYTHON_LIBRARY:FILEPATH=C:/programs/WinPython2.7.3_64/python-2.7.3.amd64/libs/python27.lib

so doesn't that mean I am compiling with python (and wouldn't it error if I was not?)

#16 - 2013-06-17 08:37 AM - Matthias Kuhn

- Status changed from Open to Closed

Closing as the original issue is solved.

It would not complain if you have no python support (to test, try to open the python console from the menu, if it does not open you have no python support)

Sorry, I can't solve the problems you just outlined.
I don't know if you are subscribed to the qgis developer mailing list. There was a request to get insight into your setup [1] I'm sure if you share your experiences, others will jump in and happily help you to solve the remaining problems.

[1] http://osgeo-org.1560.x6.nabble.com/Fwd-QGIS-Desktop-Bug-8085-New-A-64-bits-build-on-Windows-crash-on-exit-td5060493.html

#17 - 2013-06-17 08:43 AM - Joaquim Luis

OK, I'll provide feedback on that issue of the developers list but I found bit more on this and another trouble.

Files

qgis_dev__win64_minidump_on_exit.jpg	265 KB	2013-06-16	Gerhard Spieles
Capture.JPG	28.4 KB	2013-06-16	Joaquim Luis
qgis-20130616-230856-5956-2984-4b8f3c7.zip	1.41 MB	2013-06-17	Joaquim Luis