# QGIS Application - Bug report #10487
# pythonplugin error under qgis 64bit - import wx module failed

2014-06-06 03:57 AM - Jan Lippmann

| | | | |
|---|---|---|---|
| **Status:** | Closed | | |
| **Priority:** | Normal | | |
| **Assignee:** | Jürgen Fischer | | |
| **Category:** | Python plugins | | |
| **Affected QGIS version:** | master | **Regression?:** | No |
| **Operating System:** | Windows | **Easy fix?:** | No |
| **Pull Request or Patch supplied:** | | **Resolution:** | up/downstream |
| **Crashes QGIS or corrupts data:** | No | **Copied to github as #:** | 18899 |

**Description**

hello,

if i import the wx module in any python plugin under win 7 64bit and qgis 64 bit (master and 2.2 64bit), qgis throw the error below.
can anybody reproduce this error with my testplugin?how can i solve this problem?
there are no problems with qgis 32 bit (same master codeversion and qgis 2.2 32 bit).

thanks a lot :-)

Konnte Erweiterung TestPlugin nicht laden wegen eines Fehler beim Aufruf seiner classFactory()-Methode

Traceback (most recent call last):
  File "C:/PROGRA~1/QGISWE~1/apps/qgis-dev/./python\\qgis\\utils.py", line 204, in startPlugin
    plugins[packageName] = package.classFactory(iface)
  File "C:/Users/Jan/.qgis2/python/plugins\\TestPlugin\\__init__.py", line 26, in classFactory
    from testplugin import TestPlugin
  File "C:/PROGRA~1/QGISWE~1/apps/qgis-dev/./python\\qgis\\utils.py", line 453, in _import
    mod = _builtin_import(name, globals, locals, fromlist, level)
  File "C:/Users/Jan/.qgis2/python/plugins\\TestPlugin\\testplugin.py", line 33, in
    import wx
  File "C:/PROGRA~1/QGISWE~1/apps/qgis-dev/./python\\qgis\\utils.py", line 453, in _import
    mod = _builtin_import(name, globals, locals, fromlist, level)
  File "C:\\PROGRA~1\\QGISWE~1\\apps\\Python27\\lib\\site-packages\\wx-2.8-msw-unicode\\wx\\__init__.py", line 45, in
    from wx._core import *
  File "C:/PROGRA~1/QGISWE~1/apps/qgis-dev/./python\\qgis\\utils.py", line 453, in _import
    mod = _builtin_import(name, globals, locals, fromlist, level)
  File "C:\\PROGRA~1\\QGISWE~1\\apps\\Python27\\lib\\site-packages\\wx-2.8-msw-unicode\\wx\\_core.py", line 4, in
    import _core_
  File "C:/PROGRA~1/QGISWE~1/apps/qgis-dev/./python\\qgis\\utils.py", line 453, in _import
    mod = _builtin_import(name, globals, locals, fromlist, level)
ImportError: DLL load failed: Das angegebene Modul wurde nicht gefunden.

Python-Version:
2.7.5 (default, May 15 2013, 22:44:16) [MSC v.1500 64 bit (AMD64)]

QGIS-Version:
2.3.0-Master Master, ca6d4d9

Python-Pfad: ['C:/Users/Jan/.qgis2/python/plugins\\\\processing', 'C:/PROGRA~1/QGISWE~1/apps/qgis-dev/./python',
u'C:/Users/Jan/.qgis2/python', u'C:/Users/Jan/.qgis2/python/plugins',

```
'C:/PROGRA~1/QGISWE~1/apps/qgis-dev/./python/plugins', 'C:\\\\PROGRA~1\\\\QGISWE~1\\\\bin\\\\python27.zip',
'C:\\\\PROGRA~1\\\\QGISWE~1\\\\apps\\\\Python27\\\\DLLs', 'C:\\\\PROGRA~1\\\\QGISWE~1\\\\apps\\\\Python27\\\\lib',
'C:\\\\PROGRA~1\\\\QGISWE~1\\\\apps\\\\Python27\\\\lib\\\\plat-win',
'C:\\\\PROGRA~1\\\\QGISWE~1\\\\apps\\\\Python27\\\\lib\\\\lib-tk', 'C:\\\\PROGRA~1\\\\QGISWE~1\\\\bin',
'C:\\\\PROGRA~1\\\\QGISWE~1\\\\apps\\\\Python27', 'C:\\\\PROGRA~1\\\\QGISWE~1\\\\apps\\\\Python27\\\\lib\\\\site-packages',
'C:\\\\PROGRA~1\\\\QGISWE~1\\\\apps\\\\Python27\\\\lib\\\\site-packages\\\\PIL',
'C:\\\\PROGRA~1\\\\QGISWE~1\\\\apps\\\\Python27\\\\lib\\\\site-packages\\\\jinja2-2.7.2-py2.7.egg',
'C:\\\\PROGRA~1\\\\QGISWE~1\\\\apps\\\\Python27\\\\lib\\\\site-packages\\\\markupsafe-0.23-py2.7-win-amd64.egg',
'C:\\\\PROGRA~1\\\\QGISWE~1\\\\apps\\\\Python27\\\\lib\\\\site-packages\\\\pytz-2012j-py2.7.egg',
'C:\\\\PROGRA~1\\\\QGISWE~1\\\\apps\\\\Python27\\\\lib\\\\site-packages\\\\win32',
'C:\\\\PROGRA~1\\\\QGISWE~1\\\\apps\\\\Python27\\\\lib\\\\site-packages\\\\win32\\\\lib',
'C:\\\\PROGRA~1\\\\QGISWE~1\\\\apps\\\\Python27\\\\lib\\\\site-packages\\\\Pythonwin',
'C:\\\\PROGRA~1\\\\QGISWE~1\\\\apps\\\\Python27\\\\lib\\\\site-packages\\\\Shapely-1.2.18-py2.7-win-amd64.egg',
'C:\\\\PROGRA~1\\\\QGISWE~1\\\\apps\\\\Python27\\\\lib\\\\site-packages\\\\six-1.3.0-py2.7.egg',
'C:\\\\PROGRA~1\\\\QGISWE~1\\\\apps\\\\Python27\\\\lib\\\\site-packages\\\\wx-2.8-msw-unicode',
'C:\\\\PROGRA~1\\\\QGISWE~1\\\\apps\\\\Python27\\\\lib\\\\site-packages\\\\xlrd-0.9.2-py2.7.egg',
'C:\\\\PROGRA~1\\\\QGISWE~1\\\\apps\\\\Python27\\\\lib\\\\site-packages\\\\xlwt-0.7.5-py2.7.egg',
'C:\\\\Users\\\\Jan\\\\.qgis2\\\\python\\\\plugins\\\\DigitizingTools\\\\tools',
'C:\\\\Users\\\\Jan\\\\.qgis2\\\\python\\\\plugins\\\\mmqgis/forms',
'C:\\\\Users\\\\Jan\\\\.qgis2\\\\python\\\\plugins\\\\QuickMultiAttributeEdit/forms']
```

**Related issues:**

| | | |
|---|---|---|
| Related to QGIS Application - Feature request # 18693: include python3-pypiwi... | **Closed** | **2018-04-10** |

## History

**#1 - 2014-06-06 06:09 AM - Jürgen Fischer**

*- Priority changed from High to Normal*

**#2 - 2014-06-21 06:48 AM - Jürgen Fischer**

what do you need wx for?  wx is only included for the grass gui frontend - which QGIS doesn't even use.

**#3 - 2014-06-21 06:49 AM - Giovanni Manghi**

*- Status changed from Open to Feedback*

**#4 - 2014-06-21 08:05 AM - Jürgen Fischer**

*- Category set to Python plugins*

*- Tag set to windows*

**#5 - 2014-06-23 12:36 AM - Jan Lippmann**

I use wx for my communication interface (WM_COPYDATA) between qgis and other windows appliacations.

WM_COPYDATA Infos:

http://msdn.microsoft.com/en-us/library/windows/desktop/ms649011%28v=vs.85%29.aspx

Here is a wiki python sample which i use to create my "communicationwindow":

import wx

class TestFrame(wx.Frame):

```
    def __init__(self, parent, title):
        wx.Frame.__init__(self, parent, wx.ID_ANY, title=title)
        text = wx.StaticText(self, label="Hello World!")

app = wx.App(redirect=False)
frame = TestFrame(None, "A little example")
frame.Show()
app.MainLoop()
```

**#6 - 2014-06-23 01:10 AM - Jürgen Fischer**

*- Resolution set to up/downstream*

*- Status changed from Feedback to Closed*

Wouldn't it be more handy to use Qt for that (ie. a window with winEvent in place)?

**#7 - 2014-06-23 01:20 AM - Jan Lippmann**

hello juergen,

do you have an example link for the solution with QT or are there alternative example code for communication interfaces between qgis and other windows applications?

but generally it's not possible to use wx under 64bit? why it works under 32 bit?

thank you

**#8 - 2014-06-23 01:29 AM - Jürgen Fischer**

Jan Lippmann wrote:

> *do you have an example link for the solution with QT or are there alternative example code for communication interfaces between qgis and other windows applications?*

Sorry, I don't have a link.  But I recently did it in a training.

> *but generally it's not possible to use wx under 64bit? why it works under 32 bit?*

Obviously it is - GRASS does it.  Not sure if it's a good idea to mix toolkits and also why it doesn't work in 64bit, while it does in 32bit.  But still it's sounds more like a edge-casy packaging problem - as said QGIS doesn't use wx.

> *thank you*

**#9 - 2015-01-21 05:11 AM - Jan Lippmann**

*- Status changed from Closed to Reopened*

*- Assignee set to Jürgen Fischer*

*- Target version changed from Future Release - Lower Priority to Version 2.8*

Hello Jürgen,

The problem is now under qgis bit 32 in the current master on. You may be the reason the update of Qt to version 4.8.6? Is there a way the previous communication technology (WM_COPYDATA) to continue to use ?:

@import wx

class TestFrame(wx.Frame):
    def *init*(self, parent, title):
        wx.Frame.__init__(self, parent, wx.ID_ANY, title=title)
        text = wx.StaticText(self, label="Hello World!")

app = wx.App(redirect=False)
frame = TestFrame(None, "A little example")
frame.Show()
app.MainLoop()@

32 bit

QGIS-Version   2.7.0-Master   QGIS-Codeversion   f0447db

Kompiliert gegen Qt   4.8.6   Laufendes Qt   4.8.6

Kompiliert mit GDAL/OGR   1.11.1   Läuft mit GDAL/OGR   1.11.1

Kompiliert mit GEOS   3.4.2-CAPI-1.8.2   Läuft mit GEOS   3.4.2-CAPI-1.8.2 r3921

PostgreSQL-Client-Version   8.3.10   SpatiaLite-Version   4.1.1

QWT-Version   5.2.1   PROJ.4-Version   480

QScintilla2-Version   2.8.4   Diese QGIS-Kopie schreibt Debugausgaben.


**#10 - 2015-01-21 06:22 AM - Jürgen Fischer**

*- Status changed from Reopened to Closed*

Still not a qgis issue.

Why insist on using wx inside of a Qt application if you can use Qt for the same thing (hint: derive from QDialog and implement winEvent; the incoming message can be decoded in python with ctypes; ctypes can also used to invoke sendMessageW)?


**#11 - 2018-04-21 05:50 PM - Jürgen Fischer**

*- Related to Feature request #18693: include python3-pypiwin32 in windows standalone installer added*

**Files**

| | | | |
|---|---|---|---|
| TestPlugin.zip | 23.7 KB | 2014-06-06 | Jan Lippmann |