

QGIS Application - Bug report #8760

Custom Form from .ui File crashes QGIS on Ubuntu

2013-10-03 03:39 AM - Akbar Gumbira

<div>Status: Closed</div> <div>Priority: High</div> <div>Assignee:</div> <div>Category: Forms</div> <div>Affected QGIS version:2.18.7</div> <div>Operating System: Ubuntu</div> <div>Pull Request or Patch supplied:</div> <div>Crashes QGIS or corrupts data:</div>		<div>Regression?: Yes</div> <div>Easy fix?: No</div> <div>Resolution: no timely feedback</div> <div>Copied to github as #: 17469</div>
<div>Description</div> <div>After .ui file for a form is load, it crashed when the tools Identify Results is used.</div> <div>Environment:</div> <div>OS: Ubuntu 12.04</div> <div>QGIS 2.0.1</div> <div><div>akbar@ubuntu:/usr/bin\$ qgis</div><div>Warning: loading of qt translation failed [/usr/share/qt4/translations/qt_en_US]</div><div>No handlers could be found for logger "InaSAFE"</div><div>(qgis.bin:2347): Gtk-WARNING **: Attempting to store changes into `/root/.local/share/recently-used.xbel`, but failed: Failed to create file '/root/.local/share/recently-used.xbel.Z9373W': No such file or directory</div><div>(qgis.bin:2347): Gtk-WARNING **: Attempting to set the permissions of `/root/.local/share/recently-used.xbel`, but failed: No such file or directory</div><div>(qgis.bin:2347): Gtk-WARNING **: Attempting to store changes into `/root/.local/share/recently-used.xbel`, but failed: Failed to create file '/root/.local/share/recently-used.xbel.L3573W': No such file or directory</div><div>(qgis.bin:2347): Gtk-WARNING **: Attempting to set the permissions of `/root/.local/share/recently-used.xbel`, but failed: No such file or directory</div><div>(qgis.bin:2347): Gtk-WARNING **: Attempting to store changes into `/root/.local/share/recently-used.xbel`, but failed: Failed to create file '/root/.local/share/recently-used.xbel.UR7E4W': No such file or directory</div><div>(qgis.bin:2347): Gtk-WARNING **: Attempting to set the permissions of `/root/.local/share/recently-used.xbel`, but failed: No such file or directory</div><div>(qgis.bin:2347): Gtk-WARNING **: Attempting to store changes into `/root/.local/share/recently-used.xbel`, but failed: Failed to create file '/root/.local/share/recently-used.xbel.7Z7E4W': No such file or directory</div><div>(qgis.bin:2347): Gtk-WARNING **: Attempting to set the permissions of `/root/.local/share/recently-used.xbel`, but failed: No such file or directory</div><div>QGIS died on signal 11[Thread debugging using libthread_db enabled]</div><div>Using host libthread_db library "/lib/x86_64-linux-gnu/libthread_db.so.1".</div><div>[New Thread 0x7fb13ffff700 (LWP 2369)]</div><div>[New Thread 0x7fb186383700 (LWP 2364)]</div><div>[New Thread 0x7fb186b84700 (LWP 2363)]</div><div>[New Thread 0x7fb19fcd6700 (LWP 2357)]</div></div>		

[New Thread 0x7fb1a04d7700 (LWP 2355)]

warning: no loadable sections found in added symbol-file system-supplied DSO at 0x7fffba340000

0x00007fb1b518d48d in waitpid () from /lib/x86_64-linux-gnu/libc.so.6

[Current thread is 1 (Thread 0x7fb1bc38e7c0 (LWP 2347))]

#0 0x00007fb1b518d48d in waitpid () from /lib/x86_64-linux-gnu/libc.so.6

No symbol table info available.

#1 0x0000000004e8fb0 in qgisCrash(int) ()

No symbol table info available.

#2 <signal handler called>

No symbol table info available.

#3 0x00000000083ccc in QFormInternal::domPropertyToVariant(QFormInternal::QAbstractFormBuilder*, QMetaObject const*, QFormInternal::DomProperty const*) ()

No symbol table info available.

#4 0x0000000007eb219 in QFormInternal::QAbstractFormBuilder::toVariant(QMetaObject const*, QFormInternal::DomProperty*) ()

No symbol table info available.

#5 0x000000000804db6 in QFormInternal::QFormBuilder::applyProperties(QObject*, QList<QFormInternal::DomProperty*> const&) ()

No symbol table info available.

#6 0x0000000007e2b9f in QFormInternal::FormBuilderPrivate::applyProperties(QObject*, QList<QFormInternal::DomProperty*> const&) ()

No symbol table info available.

#7 0x0000000007f4635 in QFormInternal::QAbstractFormBuilder::create(QFormInternal::DomWidget*, QWidget*) ()

No symbol table info available.

#8 0x000000000805111 in QFormInternal::QFormBuilder::create(QFormInternal::DomWidget*, QWidget*) ()

No symbol table info available.

#9 0x0000000007e09ce in QFormInternal::FormBuilderPrivate::create(QFormInternal::DomWidget*, QWidget*) ()

No symbol table info available.

#10 0x0000000007f9523 in QFormInternal::QAbstractFormBuilder::create(QFormInternal::DomUI*, QWidget*) ()

No symbol table info available.

#11 0x0000000007e1165 in QFormInternal::FormBuilderPrivate::create(QFormInternal::DomUI*, QWidget*) ()

No symbol table info available.

#12 0x00007fb1b87ea2a2 in QFormInternal::QAbstractFormBuilder::load(QIODevice*, QWidget*) () from /usr/lib/libqgis_gui.so.2.0.1

No symbol table info available.

#13 0x00007fb1b87e26ad in QUiLoader::load(QIODevice*, QWidget*) () from /usr/lib/libqgis_gui.so.2.0.1

No symbol table info available.

#14 0x00007fb1b8722ddf in QgsAttributeDialog::QgsAttributeDialog(QgsVectorLayer*, QgsFeature*, bool, QgsDistanceArea, QWidget*, bool) () from /usr/lib/libqgis_gui.so.2.0.1

No symbol table info available.

#15 0x0000000005ce9de in QgsFeatureAction::newDialog(bool) ()

No symbol table info available.

#16 0x0000000005cfef4 in QgsFeatureAction::viewFeatureForm(QgsHighlight*) ()

No symbol table info available.

#17 0x0000000005c7078 in QgsIdentifyResultsDialog::featureForm() ()

No symbol table info available.

#18 0x0000000005c79fe in QgsIdentifyResultsDialog::show() ()

No symbol table info available.

#19 0x000000000628f41 in QgsMapToolIdentifyAction::canvasReleaseEvent(QMouseEvent*) ()

No symbol table info available.

#20 0x00007fb1b8757bd3 in QgsMapCanvas::mouseReleaseEvent(QMouseEvent*) () from /usr/lib/libqgis_gui.so.2.0.1

No symbol table info available.

```

#21 0x00007fb1b7146144 in QWidget::event(QEvent*) () from /usr/lib/x86_64-linux-gnu/libQtGui.so.4
No symbol table info available.
#22 0x00007fb1b75063b6 in QFrame::event(QEvent*) () from /usr/lib/x86_64-linux-gnu/libQtGui.so.4
No symbol table info available.
#23 0x00007fb1b7730b2b in QGraphicsView::viewportEvent(QEvent*) () from /usr/lib/x86_64-linux-gnu/libQtGui.so.4
No symbol table info available.
#24 0x00007fb1b7d73028 in QApplicationPrivate::sendThroughObjectEventFilters(QObject*, QEvent*) () from
/usr/lib/x86_64-linux-gnu/libQtCore.so.4
No symbol table info available.
#25 0x00007fb1b70f585f in QApplicationPrivate::notify_helper(QObject*, QEvent*) () from /usr/lib/x86_64-linux-gnu/libQtGui.so.4
No symbol table info available.
#26 0x00007fb1b70fb0bf in QApplication::notify(QObject*, QEvent*) () from /usr/lib/x86_64-linux-gnu/libQtGui.so.4
No symbol table info available.
#27 0x00007fb1b8c821a6 in QgsApplication::notify(QObject*, QEvent*) () from /usr/lib/libqgis_core.so.2.0.1
No symbol table info available.
#28 0x00007fb1b7d72e9c in QApplication::notifyInternal(QObject*, QEvent*) () from /usr/lib/x86_64-linux-gnu/libQtCore.so.4
No symbol table info available.
#29 0x00007fb1b70f6862 in QApplicationPrivate::sendMouseEvent(QWidget*, QMouseEvent*, QWidget*, QWidget*, QWidget**,
QPointer<QWidget>&, bool) () from /usr/lib/x86_64-linux-gnu/libQtGui.so.4
No symbol table info available.
#30 0x00007fb1b7175bf5 in ?? () from /usr/lib/x86_64-linux-gnu/libQtGui.so.4
No symbol table info available.
#31 0x00007fb1b7174bae in QApplication::x11ProcessEvent(_XEvent*) () from /usr/lib/x86_64-linux-gnu/libQtGui.so.4
No symbol table info available.
#32 0x00007fb1b719e0d2 in ?? () from /usr/lib/x86_64-linux-gnu/libQtGui.so.4
No symbol table info available.
#33 0x00007fb1b3c30d53 in g_main_context_dispatch () from /lib/x86_64-linux-gnu/libglib-2.0.so.0
No symbol table info available.
#34 0x00007fb1b3c310a0 in ?? () from /lib/x86_64-linux-gnu/libglib-2.0.so.0
No symbol table info available.
#35 0x00007fb1b3c31164 in g_main_context_iteration () from /lib/x86_64-linux-gnu/libglib-2.0.so.0
No symbol table info available.
#36 0x00007fb1b7da23bf in QEventDispatcherGlib::processEvents(QFlags<QEventLoop::ProcessEventsFlag>) () from
/usr/lib/x86_64-linux-gnu/libQtCore.so.4
No symbol table info available.
#37 0x00007fb1b719dd5e in ?? () from /usr/lib/x86_64-linux-gnu/libQtGui.so.4
No symbol table info available.
#38 0x00007fb1b7d71c82 in QEventLoop::processEvents(QFlags<QEventLoop::ProcessEventsFlag>) () from
/usr/lib/x86_64-linux-gnu/libQtCore.so.4
No symbol table info available.
#39 0x00007fb1b7d71ed7 in QEventLoop::exec(QFlags<QEventLoop::ProcessEventsFlag>) () from
/usr/lib/x86_64-linux-gnu/libQtCore.so.4
No symbol table info available.
#40 0x00007fb1b7d76f67 in QApplication::exec() () from /usr/lib/x86_64-linux-gnu/libQtCore.so.4
No symbol table info available.
#41 0x00000000004e48be in main ()
No symbol table info available.
gdb returned 0

```

Related issues:

Related to QGIS Application - Bug report # 14152: Form annotation crashes QGIS...	Closed	2016-01-21
Duplicated by QGIS Application - Bug report # 11982: Custom UI Form crashes Q...	Closed	2015-01-12

Duplicated by QGIS Application - Bug report # 16650: segmentation error (core...	Closed	2017-06-01
Duplicated by QGIS Application - Bug report # 17264: Segmentation fault with ...	Closed	2017-10-10

History

#1 - 2013-10-03 10:25 AM - Giovanni Manghi

- *Crashes QGIS or corrupts data changed from No to Yes*
- *Priority changed from Normal to High*
- *Target version set to Future Release - High Priority*

#2 - 2013-10-05 12:54 AM - Matthias Kuhn

- *Operating System set to Ubuntu*
- *OS version set to 12.04*

We have had the same problem. This only appeared on Ubuntu 12.04 so far.

Here it was related to having "geometry" and "size" properties in the form. To reproduce assign a simple .ui with one of these properties specified on a widget.

Workaround:

Manually delete "geometry" and "size" properties from the .ui file (open with text or xml editor)

#3 - 2013-10-12 04:00 AM - Klas Karlsson

- *Target version deleted (Future Release - High Priority)*

Same problem.

Very simple shape files and a very simple ui-file created in Qt4 Designer crashes QGIS without any warning!

No geometry, just simple text attributes with line edit forms.

(Only tested on Ubuntu 12.04 and QGIS 2.0.1)

#4 - 2013-10-12 04:05 AM - Matthias Kuhn

The term geometry does not refer to a QGIS geometry, but to a widget property geometry. Open your .ui file in a text editor and search for "geometry" and "size" and remove the entire xml element (<property name="geometry"> to </property>) .

#5 - 2014-03-17 04:11 AM - Stefan Sylla

- *Assignee set to Akbar Gumbira*
- *File qgis22_ubuntu1310_x64.error added*

I experienced the same issue now on Ubuntu 13.10 64 bit with QGIS 2.2. The custom UI was working perfectly under QGIS 2.0, but since QGIS 2.2 the application crashes when I try to open the form via the identify tool. The fix proposed by Matthias Kuhn is not helping.

#6 - 2014-03-17 05:04 AM - Matthias Kuhn

Hi Stefan. Can you attach the .ui file you were trying to load?

Concerning the original bug, I think closing this and reporting a bug on ubuntu will help more than keeping this issue here open.

#7 - 2014-03-17 08:03 AM - Stefan Sylla

- File *project.ui* added

Hi Matthias, attached my UI-file. For the ubuntu bug reporting I am not sure where to post that kind of issue. Any hint?

#8 - 2014-03-18 12:42 AM - Matthias Kuhn

Loads fine for me, but I'm not on Ubuntu. Would be nice if someone with Ubuntu (13.10) could verify.

One can try to file a bug in the official Ubuntu bugtracker (I guess that's <https://bugs.launchpad.net>) as it seems to be a problem of their qt libraries.

#9 - 2014-03-26 03:37 AM - Imre Molnar

I can verify. I have same problem like Klas Karlsson and Stefan Sylla as above on Ubuntu 13.10 32 bit with QGIS 2.2. But on Windows 8 64 bit with QGIS 2.2 work fine that shape file and ui file which kill the QGIS on Ubuntu.

#10 - 2014-04-10 08:47 AM - Hugo Mercier

I've had the same problem.

On my small test files, removing geometry properties from the .ui file works.

I've tested Akbar's file both with and without geometry XML properties (xubuntu 13.10 upgraded from a 12.10) and it does not work.

Matthias, do you have more clues ? It seems to come from QT, within their QUILoader ... but can't find anything related

#11 - 2014-04-12 03:29 AM - Matthias Kuhn

Personally I've got no problems on my Linux systems (Fedora). I've only observed this happen on Ubuntu 12.04 and found the geometry property workaround with some debugging.

I assume it's a Qt bug. You could try to create a small sample pyqt script to load that ui file and see if it crashes as well. If yes it would be a nice attachment for a bug on the ubuntu tracker.

#12 - 2014-05-16 01:36 PM - Jorge Rocha

- File *Dialog_013.png* added

Following Alexandre report on the dev mailing list [subject: Users Manual Form annotations challenge], I've created a simple python script to open the form outside QGIS in Ubuntu 12.04 (to open his form https://www.dropbox.com/s/4a3mqni2becruh9/annotations_form.ui).

The script is:

```
import sys
from PyQt4 import QtCore, QtGui, uic
```

```
form_class = uic.loadUiType("annotations_form.ui")[0]
class MyWindowClass(QtGui.QMainWindow, form_class):
    def __init__(self, parent=None):
        QtGui.QMainWindow.__init__(self, parent)
        self.setupUi(self)
app = QtGui.QApplication(sys.argv)
myWindow = MyWindowClass(None)
myWindow.show()
app.exec_()
```

The form opens, but it is not enough to decide if it is a QT bug or not.

#13 - 2014-06-16 11:26 PM - Jürgen Fischer

- Assignee deleted (Akbar Gumbira)
- Category set to Forms

#14 - 2014-11-10 02:34 PM - Ahmet Emre Aladag

I had this issue in (QGIS 2.6) Ubuntu 12.04, Mint 13, Mint 17(=Ubuntu 14.04). All had core dump.

(I could not test it on Ubuntu 14.10 since it didn't have dependencies QGis required. Works fine on MacOSX)

So what could the problem be?

#15 - 2014-12-10 10:55 AM - Matthias Kuhn

Searching the internet brought me to these possibly related reports:

https://bugs.kde.org/show_bug.cgi?id=182810

which in turn points to this

<https://bugreports.qt-project.org/browse/QTBUG-437>

#16 - 2015-09-22 11:10 AM - Luca Lanteri

I don't know if it's a Qt bug but if it could help this is the situation on my PC.

Custom form with logic crash on qgis 2.8.3 and qgis 2.10. It work on fine with master.

a test project can be downloaded on <https://github.com/lucalanteri/mzs>

#17 - 2016-01-19 04:46 AM - Sandro Santilli

- Status changed from Open to Feedback

If you confirm it works with current master (2.14-pre, commit:69cb0c4ed3174946c82e32dad4af5a12275079fc at time of writing) I'd close this.

#18 - 2016-01-27 08:21 AM - Alexandre Neto

I have recently opened this issue #14152

As it seems to be a duplicate, It will be closed.

With my form, QGIS master still crashes. Sandro, what was the form that you tried?

Thanks

#19 - 2016-01-27 08:27 AM - Alexandre Neto

BTW, with my example form, in 2.8.3 it works ok.

#20 - 2016-03-07 06:28 AM - Fred Lehodey

Same problem:

Mint17 (ubuntu 14.04) qgis 2.14.0

(Matthias's workaround doesn't work)

#21 - 2016-05-21 12:02 PM - Giovanni Manghi

- Affected QGIS version changed from 2.0.1 to 2.14.0

- Status changed from Feedback to Open

- Priority changed from High to Severe/Regression

#22 - 2016-05-27 07:20 AM - Sylvain Beorchia

Same problem here too (Qgis 2.14.3 / Kubuntu 14.04)

I've also tried the "project.ui" provided by Stefan Sylla. It crashes Qgis.

#23 - 2016-06-06 05:46 AM - Sylvain Beorchia

In complement, i tried to load and display my .ui file directly from PyQt and it works. The same with PySide.

#24 - 2016-06-06 09:25 AM - Matthias Kuhn

- Subject changed from Custom Form from .ui File Crashed QGIS to Custom Form from .ui File crashes QGIS on Ubuntu

#25 - 2016-10-07 03:22 AM - Sandro Santilli

- Status changed from Open to In Progress

- Assignee set to Sandro Santilli

#26 - 2016-10-07 03:35 AM - Sandro Santilli

I've tried loading the .ui file in final-2_16_3-45-g61a0a1e and final-2_14_7-32-g35ddf1f, and both load the .ui just fine (as form annotations) -- is that's how you loaded it or can you give instructions to how else to load the .ui ?

#27 - 2016-10-07 03:40 AM - Sandro Santilli

Note: my non-crashing tests were made on Ubuntu 16.04 with Qt 4.8.7

#28 - 2016-10-07 03:40 AM - Sandro Santilli

- *Status changed from In Progress to Feedback*

#29 - 2016-10-18 03:17 AM - Sandro Santilli

- *Assignee deleted (Sandro Santilli)*

#30 - 2016-10-27 06:09 AM - Sylvain Beorchia

I've just made a build of the master, and the problem is solved for me (see my posts above).
Using the build version is fine. Using the one installed with the packages is not.

(Ubuntu 14.04).

#31 - 2016-12-16 07:39 AM - Diego Carvalho

I'm having the same problem.

My environment is as follows:

Ubuntu 16.04

Version of QGIS 2.18.1

QGIS version code 0cfd7d8

Compiled on Qt 4.8.7

Running on Qt 4.8.7

Compiled on GDAL / OGR 1.11.3

Running on GDAL / OGR 1.11.3

Compiled on GEOS 3.5.0-CAPI-1.9.0

Running on GEOS 3.5.0-CAPI-1.9.0 r4084

Client version PostgreSQL 9.5.2

Spatialite Version 4.3.0a

Version of QWT 5.2.3

PROJ.4 Version 492

Version QScintilla2 2.9.1

#32 - 2017-01-02 06:12 AM - Giovanni Manghi

- *OS version deleted (12.04)*

- *Status changed from Feedback to Open*

- *Operating System deleted (Ubuntu)*

- *Affected QGIS version changed from 2.14.0 to 2.18.1*

#33 - 2017-01-07 07:01 AM - Matthias Kuhn

- *Operating System set to Ubuntu*

I think for this issue the platform is important. I haven't seen any reports except for Ubuntu.

I really hope we can just close this with QGIS 3.0 (probably due to the update to Qt 5).

#34 - 2017-03-03 02:27 AM - Giovanni Manghi

- Status changed from Open to Feedback

Is this still an issue on 2.18.4?

#35 - 2017-04-30 12:31 AM - Giovanni Manghi

- Status changed from Feedback to Open
- Description updated
- Affected QGIS version changed from 2.18.1 to 2.18.7

#36 - 2017-04-30 05:06 PM - Giovanni Manghi

- Regression? set to Yes

#37 - 2017-04-30 05:08 PM - Giovanni Manghi

- Priority changed from Severe/Regression to High

#38 - 2017-05-01 01:10 AM - Giovanni Manghi

- Easy fix? set to No

#39 - 2017-05-11 03:20 PM - Paolo Frizzera

I'm having the same problem: **with custom form qgis crash !!**

I tried to follow the training manual (x 2.14: 6.3.6 - 6.3.7) with different version of qgis and Ubuntu: same result

Ubuntu 14.04 LTS x86_64 (updated):

qgis: 2.14.14
qt: 4.8.6

Ubuntu 16.04 LTS x86_64 (updated):

qgis: 2.18.7
qt: 4.8.7

OSGeo Live 10.5 (installed and updated - Ubuntu 16.04 - x86_64):

qgis: 2.14.11
qt: 4.8.7

#40 - 2017-06-08 02:49 PM - Jürgen Fischer

- Duplicated by Bug report #16650: segmentation error (core dumped) added

#41 - 2017-07-04 10:15 AM - C M

I have the same problem on Ubuntu where:

- QGIS 2.14 is installed through repository,
- QGIS 2.18 is compiled from source.

Loading UI file in QGIS 2.18 or in minimal stand-alone Qt application will result to a crash (only when loading custom widgets).

Loaded modules analysis shows that the following module is used:

/usr/lib/x86_64-linux-gnu/qt4/plugins/designer/libqgis_customwidgets.so.2.14.16

even if I use stand-alone Qt app. The same is loaded with QGIS 2.18 version.

Workaround:

I can remove crash by deleting this library. QGIS 2.18 loads successfully forms. QtDesigner fails to load custom widgets but only warnings are reported.

Fix:

I can fix this issue on my machine - keeping libqgis_customwidgets.so.2.14.16 installed - by forcing QUILoader not to use this plugin by resetting its plugins paths:

```
QUiLoader loader;  
+loader.clearPluginPaths();
```

(This object is used 3 times in current QGIS 2.18 source code)

#42 - 2017-07-04 10:26 AM - Hugo Mercier

Clément: good catch !

Do you know why 2.18 is linked to the 2.14 version of custom widgets ?

#43 - 2017-07-04 10:59 AM - C M

Hugo Mercier wrote:

| *Do you know why 2.18 is linked to the 2.14 version of custom widgets ?*

There is no linking between dynamic libraries. QUILoader loads itself all plugins available in search paths. If libqgis_customwidgets.so.2.14.16 is deployed in standard Qt plugin path it will be loaded by QtDesigner or QUILoader instance for creating custom QGIS widgets. There seems to be no mechanism that can check for QGIS plugin version (only between Qt versions).

libqgis_customwidgets.so.2.14.16 is linked to libqgis_gui.so.2.14.16

By calling QUILoader::pluginPaths() we can see that Qt stores some paths like /usr/lib/x86_64-linux-gnu/qt4/plugins/designer (maybe hard-coded).

I try to manually deploy libqgis_customwidgets.so.2.18.10 to Qt standard path & it works (keeping version 2.14 in the same path).

But because custom widgets implementations are stored into QGIS shared libraries (libqgis_gui.so ?) & QGIS doesn't need libqgis_customwidgets.so I have clear all plugin paths for all QUILoader to keep QGIS custom widgets plugin in standard path (and allow uses of QtDesigner) & to force QGIS to ignore these hard-coded paths.

#44 - 2017-10-10 10:12 AM - Jürgen Fischer

- Duplicated by Bug report #17264: Segmentation fault with custom form added

#45 - 2019-01-30 01:50 PM - Loïc BARTOLETTI

- Status changed from Open to Feedback

Please test with QGIS 3.4 - QGIS 2 reached it's end of life.

#46 - 2019-03-08 10:46 AM - Giovanni Manghi

- Status changed from Feedback to Closed
- Resolution set to no timely feedback

Closing for lack of feedback.

Files

qgis22_ubuntu1310_x64.error	6.36 KB	2014-03-17	Stefan Sylla
project.ui	5.3 KB	2014-03-17	Stefan Sylla
Dialog_013.png	7.15 KB	2014-05-16	Jorge Rocha