# QGIS Application - Bug report #19562 QGIS 3.2.1 crashes

2018-08-07 05:56 PM - George Rodrigues da Cunha Silva

Status: Closed Priority: High

Assignee:

Category: Build/Install

Affected QGIS version: 3.2.1

Operating System: Linux Mint 18

Pull Request or Patch shapplied: Resolution: invalid Crashes QGIS or corrupts: data: Copied to github as #: 27389

#### Description

Hello folks.

Brand new machine here, with Linux Mint Cinnamon Tara (bionic).

I've compiled:

- GDAL 2.3.1
- GEOS 3.6.2
- PROJ 5.1.0

by hand.

Compiled these libraries and proceeded with installation as usual, using QGIS package repository.

When opening, I get:

Warning: QStandardPaths: XDG\_RUNTIME\_DIR not set, defaulting to '/tmp/runtime-root'

libpng warning: Application was compiled with png.h from libpng-1.6.34 libpng warning: Application is running with png.c from libpng-1.2.56 libpng error: Incompatible libpng version in application and library libpng warning: Application was compiled with png.h from libpng-1.6.34 libpng warning: Application is running with png.c from libpng-1.2.56 libpng error: Incompatible libpng version in application and library

Warning: QPixmap::scaled: Pixmap is a null pixmap

libpng warning: Application was compiled with png.h from libpng-1.6.34 libpng warning: Application is running with png.c from libpng-1.2.56 libpng error: Incompatible libpng version in application and library libpng warning: Application was compiled with png.h from libpng-1.6.34 libpng warning: Application is running with png.c from libpng-1.2.56

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libpng error: Incompatible libpng version in application and library  $% \left( 1\right) =\left( 1\right) \left( 1\right$ 

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Warning: QSqlQuery::prepare: database not open libpng warning: Application was compiled with png.h from libpng-1.6.34 libpng warning: Application is running with png.c from libpng-1.2.56 libpng error: Incompatible libpng version in application and library libpng warning: Application was compiled with png.h from libpng-1.6.34 libpng warning: Application is running with png.c from libpng-1.2.56 libpng error: Incompatible libpng version in application and library libpng warning: Application was compiled with png.h from libpng-1.6.34 libpng warning: Application is running with png.c from libpng-1.2.56 libpng error: Incompatible libpng version in application and library libpng warning: Application was compiled with png.h from libpng-1.6.34 libpng warning: Application is running with png.c from libpng-1.2.56 libpng error: Incompatible libpng version in application and library libping warning: Application was compiled with png.h from libping-1.6.34 libpng warning: Application is running with png.c from libpng-1.2.56 libpng error: Incompatible libpng version in application and library libpng warning: Application was compiled with png.h from libpng-1.6.34 libpng warning: Application is running with png.c from libpng-1.2.56 libpng error: Incompatible libpng version in application and library libpng warning: Application was compiled with png.h from libpng-1.6.34 libpng warning: Application is running with png.c from libpng-1.2.56 libpng error: Incompatible libpng version in application and library libpng warning: Application was compiled with png.h from libpng-1.6.34 libpng warning: Application is running with png.c from libpng-1.2.56 libpng error: Incompatible libpng version in application and library libpng warning: Application was compiled with png.h from libpng-1.6.34 libping warning: Application is running with png.c from libping-1.2.56 libpng error: Incompatible libpng version in application and library libpng warning: Application was compiled with png.h from libpng-1.6.34 libpng warning: Application is running with png.c from libpng-1.2.56 libpng error: Incompatible libpng version in application and library libpng warning: Application was compiled with png.h from libpng-1.6.34 libong warning: Application is running with png.c from libong-1,2,56 libong error: Incompatible libong version in application and library libpng warning: Application was compiled with png.h from libpng-1.6.34 libpng warning: Application is running with png.c from libpng-1.2.56 libpng error: Incompatible libpng version in application and library libpng warning: Application was compiled with png.h from libpng-1.6.34 libpng warning: Application is running with png.c from libpng-1.2.56 libpng error: Incompatible libpng version in application and library libpng warning: Application was compiled with png.h from libpng-1.6.34 libpng warning: Application is running with png.c from libpng-1.2.56 libpng error: Incompatible libpng version in application and library libpng warning: Application was compiled with png.h from libpng-1.6.34 libpng warning: Application is running with png.c from libpng-1.2.56 libpng error: Incompatible libpng version in application and library libping warning: Application was compiled with png.h from libping-1.6.34 libpng warning: Application is running with png.c from libpng-1.2.56 libpng error: Incompatible libpng version in application and library libpng warning: Application was compiled with png.h from libpng-1.6.34 libpng warning: Application is running with png.c from libpng-1.2.56 libpng error: Incompatible libpng version in application and library libpng warning: Application was compiled with png.h from libpng-1.6.34

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QGIS died on signal 11[New LWP 22184]
[New LWP 22185]
[New LWP 22186]
[New LWP 22189]
[New LWP 22190]
[New LWP 22192]
[New LWP 22197]
[Thread debugging using libthread db enabled]
Using host libthread db library "/lib/x86 64-linux-gnu/libthread db.so.1".
0x00007f32f0f536c2 in GI waitpid (pid=22198, stat loc=0x7ffc1432a8ac, options=0) at
../sysdeps/unix/sysv/linux/waitpid.c:30
30 ../sysdeps/unix/sysv/linux/waitpid.c: No such file or directory.
[Current thread is 1 (Thread 0x7f32f4b2a980 (LWP 22181))]
#0 0x00007f32f0f536c2 in GI waitpid (pid=22198, stat loc=0x7ffc1432a8ac, options=0) at
../sysdeps/unix/sysv/linux/waitpid.c:30
    resultvar = 18446744073709551104
    sc cancel oldtype = 0
#1 0x000055b61539c45e in ()
#2 0x00007f32f0eadf20 in <signal handler called> () at /lib/x86 64-linux-gnu/libc.so.6
#3 0x00007f32647b55d0 in pj get def (P=<optimized out>, options=<optimized out>) at pj pr list.c:76
    t = 0x590ff25857100ff2
    I = < optimized out>
    definition = 0x55b6182bd090 " +\362\017Y\302\303f\220H\205\377t\v\351fQ"
    def max = 41
#4 0x00007f32efc6f7a0 in OCTProj4NormalizeInternal(char const*) (pszProj4Src=pszProj4Src@entry=0x55b618299a90
"+proj=longlat +ellps=WGS84 +no defs") at ogrct.cpp:365
    psPJSource = 0x55b61824fd70
    pszNewProj4Def = <optimized out>
    pszCopy = <optimized out>
#5 0x00007f32efc70878 in OCTProj4Normalize(char const*) (pszProj4Src=pszProj4Src@entry=0x55b618299a90
"+proj=longlat +ellps=WGS84 +no defs") at ogrct.cpp:393
    oHolder = {hMutex = 0x55b6182a4c70, pszFile = 0x7f32f052198c "ogrct.cpp", nLine = 385}
#6 0x00007f32efc607f0 in OGRSpatialReference::importFromProj4(char const*) (this=0x55b61855aba0,
pszProj4=0x55b6181bdfb8 "+proj=longlat +ellps=WGS84 +no_defs") at ogr_srs_proj4.cpp:512
    pszCleanCopy = 0x55b618299a90 "+proj=longlat +ellps=WGS84 +no defs"
    bSetAuthorityCode = true
```

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```
pszNormalized = <optimized out>
    papszNV = <optimized out>
    pszPM = <optimized out>
    I dfFromGreenwich = <optimized out>
    pszProj = <optimized out>
    bAddProj4Extension = <optimized out>
    bFullyDefined = <optimized out>
    pszValue = <optimized out>
    dfSemiMajor = <optimized out>
    dfInvFlattening = < optimized out>
    dfSemiMinor = <optimized out>
    poVERT CS = < optimized out>
    pszINIT = <optimized out>
    pszColumn = <optimized out>
#7 0x00007f32f33b8f74 in QgsCoordinateReferenceSystem::setProj4String(QString const&) () at /usr/lib/libqgis core.so.3.2.1
#8 0x00007f32f33bc075 in QgsCoordinateReferenceSystem::createFromProj4(QString const&) () at /usr/lib/libqgis core.so.3.2.1
#9 0x00007f32f33bcddc in QgsCoordinateReferenceSystem::fromProj4(QString const&) () at /usr/lib/libggis core.so.3.2.1
#10 0x00007f32f3409973 in QgsEllipsoidUtils::ellipsoidParameters(QString const&) () at /usr/lib/libqgis core.so.3.2.1
#11 0x00007f32f34c5fab in QgsMapSettings::setEllipsoid(QString const&) () at /usr/lib/libqgis_core.so.3.2.1
#12 0x00007f32ef1e21da in () at /usr/lib/libqgis_gui.so.3.2.1
#13 0x00007f32f1abf6cf in QMetaObject::activate(QObject*, int, int, void**) () at /usr/lib/x86_64-linux-gnu/libQt5Core.so.5
#14 0x00007f32f3962fd5 in QgsProject::ellipsoidChanged(QString const&) () at /usr/lib/libqgis_core.so.3.2.1
#15 0x00007f32f3547f28 in QqsProject::setEllipsoid(QString const&) () at /usr/lib/libqqis core.so.3.2.1
#16 0x00007f32f3fea682 in QgisApp::fileNew(bool, bool) () at /usr/lib/libqgis app.so.3.2.1
#17 0x00007f32f3ffe45f in QgisApp::QgisApp(QSplashScreen*, bool, bool, QString const&, QString const&, QWidget*,
QFlags<Qt::WindowType>) () at /usr/lib/libqgis app.so.3.2.1
#18 0x000055b615398386 in ()
#19 0x00007f32f0e90b97 in libc start main (main=0x55b615396740, argc=1, argv=0x7ffc1432ca28, init=<optimized out>,
fini=<optimized out>, rtld_fini=<optimized out>, stack_end=0x7ffc1432ca18) at ../csu/libc-start.c:310
    result = <optimized out>
    7180966706478085040, 7078007817100489648, mask_was_saved = 0}}, priv = {pad = {0x0, 0x0, 0x7f32f4972733}}
< dl init+259>, 0x7f32f49345f8}, data = {prev = 0x0, cleanup = 0x0, canceltype = -191420621}}}
    not first call = <optimized out>
#20 0x000055b61539be6a in start ()
gdb returned 0
Aborted
```

## History

## #1 - 2018-08-14 04:36 PM - George Rodrigues da Cunha Silva

Do I need to inform anything else?

This is killing me:D.

There is anything else I can provide so we can understand this?

## #2 - 2018-08-14 04:38 PM - Giovanni Manghi

- Status changed from Open to Feedback

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Does it crash if you install from the official repositories?

## #3 - 2018-08-14 06:26 PM - George Rodrigues da Cunha Silva

By official, do you mean QGIS Official repository? If so, I did installed it using the Official QGIS Repo:

Check the output of `/etc/apt/sources.list.d/qgis.list`

sudo cat /etc/apt/sources.list.d/qgis.list deb https://qgis.org/ubuntu bionic main deb-src https://qgis.org/ubuntu bionic main

#### #4 - 2018-08-15 12:05 PM - Giovanni Manghi

George Rodrigues da Cunha Silva wrote:

By official, do you mean QGIS Official repository? If so, I did installed it using the Official QGIS Repo:

Check the output of `/etc/apt/sources.list.d/qgis.list`

[...]

but you are using self compiled dependencies, which usually are installed automatically when installing QGIS from repos. My bet is that you have somehow messed your system.

#### #5 - 2018-08-16 03:05 PM - George Rodrigues da Cunha Silva

You're right.

I did some testing which fixed the problem. I moved all the self compiled libs to another folder and ran 'Idconfig'.

But, let me ask a question: why is QGIS tripping on this? If it comes with it's own bundled libs, it should not look for these, right?

Because, in my case, the updated libs are used for development. And I need QGIS to work/dev as well.

Any middle ground on this?

### #6 - 2018-08-16 03:10 PM - Giovanni Manghi

- Status changed from Feedback to Closed
- Resolution set to invalid

Any middle ground on this?

better ask in the developers mailing list.

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#### #7 - 2018-08-16 03:23 PM - Jürgen Fischer

George Rodrigues da Cunha Silva wrote:

You're right.

I did some testing which fixed the problem. I moved all the self compiled libs to another folder and ran `ldconfig`.

But, let me ask a question: why is QGIS tripping on this? If it comes with it's own bundled libs, it should not look for these, right?

What's it is complaining about are not bundled libs, but system libs. libpng is not directly used by QGIS. It's probably Qt complaining - or GDAL or GRASS or...

Because, in my case, the updated libs are used for development. And I need QGIS to work/dev as well. Any middle ground on this?

To run your development builds use LD\_LIBRARY\_PATH and point them to the dependencies you built with - instead of putting them into Id.so.conf.

#### #8 - 2019-02-28 07:55 PM - Andre Joost

It seems that you have to install the libpng-dev package v1.6.34 for bionic before self-compiling GDAL to get a version of GDAL that works with QGIS.

See <a href="https://gis.stackexchange.com/questions/313294/cant-install-support-for-ecw-in-qgis-3-6-3-4-on-ubuntu-18-04/313388#313388">https://gis.stackexchange.com/questions/313294/cant-install-support-for-ecw-in-qgis-3-6-3-4-on-ubuntu-18-04/313388#313388</a> on a similar case when compiling GDAL with ECW support crashed QGIS.

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