

QGIS Application - Bug report #16913

segmentation fault when switching quickmapservice basemap OTF from 3857 to 4326

2017-07-21 10:26 PM - Steven Kay

Status:	Closed	
Priority:	High	
Assignee:		
Category:	Map Canvas	
Affected QGIS version:	2.18.10	Regression?: Yes
Operating System:	Linux (Xenial)	Easy fix?: No
Pull Request or Patch supplied:	No	Resolution: invalid
Crashes QGIS or corrupts data:	Yes	Copied to github as #: 24812
Description		
<p>I normally have this sort of workflow for relief maps:-</p> <ul style="list-style-type: none">- start with empty project- bring up WebMapServices plugin, OSM Mapnik layer. this changes OTF to 3857- zoom to an Area of Interest (AOI)- switch OTF to 4326- copy extent from extent widget to clipboard- run python elevation module to extract DEM for AOI with that extent <p>However step 4 - changing OTF to 4326 - reliably causes a segfault in QGIS 2.18.10 on Xenial</p> <p>I'm pretty sure this worked in 2.18.10 when I was on Trusty, I very recently updated to Xenial.</p> <p>Here's what I get in the 'About QGIS' box</p> <p>QGIS version 2.18.10 QGIS code revision 59e0f78 Compiled against Qt 4.8.7 Running against Qt 4.8.7 Compiled against GDAL/OGR 1.11.3 Running against GDAL/OGR 1.11.3 Compiled against GEOS 3.5.0-CAPI-1.9.0 Running against GEOS 3.5.0-CAPI-1.9.0 r4084 PostgreSQL Client Version 9.5.2 Spatialite Version 4.3.0a QWT Version 5.2.3 PROJ.4 Version 492</p> <p>I've tried turning off the "enable OTF to 3857" option in the plugin; same thing happens.</p> <p>I can work around this by using either XYZ provider or the OpenLayers plugins I suspect WMS/WMTS may also work but haven't tried this.</p> <p>Let me know if this should be raised with the Plugin author instead/as well. I raised this in case there's maybe an edge case which isn't being caught when rendering.</p> <p>gdb output follows</p>		

Drawing is skipped because map extent is empty or inf.

Thread 17 "Thread (pooled)" received signal SIGSEGV, Segmentation fault.

[Switching to Thread 0x9f8ffb40 (LWP 22380)]

0x9560e8dc in GDALRasterBand::ReportError(CPLErr, int, char const*, ...) () from /usr/lib/libgdal.so.20

(gdb) bt full

#0 0x9560e8dc in GDALRasterBand::ReportError(CPLErr, int, char const*, ...) () from /usr/lib/libgdal.so.20

No symbol table info available.

#1 0x9561329c in GDALRasterBand::RasterIO(GDALRWFlag, int, int, int, void*, int, int, GDALDataType, long long, long long, GDALRasterIOExtraArg*) () from /usr/lib/libgdal.so.20

No symbol table info available.

#2 0x956135db in GDALRasterIOEx () from /usr/lib/libgdal.so.20

No symbol table info available.

#3 0x95f89168 in ?? () from /usr/lib/python2.7/dist-packages/osgeo/_gdal.i386-linux-gnu.so

No symbol table info available.

#4 0x9a09425b in PyCFunction_Call () from /usr/lib/i386-linux-gnu/libpython2.7.so.1.0

No symbol table info available.

#5 0x9a031308 in PyEval_EvalFrameEx () from /usr/lib/i386-linux-gnu/libpython2.7.so.1.0

No symbol table info available.

#6 0x9a16b81e in PyEval_EvalCodeEx () from /usr/lib/i386-linux-gnu/libpython2.7.so.1.0

No symbol table info available.

#7 0x9a030ab1 in PyEval_EvalFrameEx () from /usr/lib/i386-linux-gnu/libpython2.7.so.1.0

No symbol table info available.

#8 0x9a16b81e in PyEval_EvalCodeEx () from /usr/lib/i386-linux-gnu/libpython2.7.so.1.0

No symbol table info available.

#9 0x9a030ab1 in PyEval_EvalFrameEx () from /usr/lib/i386-linux-gnu/libpython2.7.so.1.0

No symbol table info available.

#10 0x9a16b81e in PyEval_EvalCodeEx () from /usr/lib/i386-linux-gnu/libpython2.7.so.1.0

No symbol table info available.

#11 0x9a0a5085 in ?? () from /usr/lib/i386-linux-gnu/libpython2.7.so.1.0

No symbol table info available.

#12 0x9a115c5d in PyObject_Call () from /usr/lib/i386-linux-gnu/libpython2.7.so.1.0

No symbol table info available.

#13 0x9a0f7f37 in ?? () from /usr/lib/i386-linux-gnu/libpython2.7.so.1.0

No symbol table info available.

#14 0x9a115c5d in PyObject_Call () from /usr/lib/i386-linux-gnu/libpython2.7.so.1.0

No symbol table info available.

#15 0x9a16ac0c in PyEval_CallObjectWithKeywords () from /usr/lib/i386-linux-gnu/libpython2.7.so.1.0

No symbol table info available.

#16 0x9a354de0 in ?? () from /usr/lib/python2.7/dist-packages/sip.i386-linux-gnu.so

No symbol table info available.

#17 0x988530b3 in sipVH__core_397(PyGILState_STATE, void (*) (_sipSimpleWrapper*, PyGILState_STATE), _sipSimpleWrapper*, _object*, QgsRenderContext&)

() from /usr/lib/python2.7/dist-packages/qgis/_core.i386-linux-gnu.so

No symbol table info available.

#18 0x98c833a1 in sipQgsPluginLayer::draw(QgsRenderContext&) () from

/usr/lib/python2.7/dist-packages/qgis/_core.i386-linux-gnu.so

---Type <return> to continue, or q <return> to quit---

No symbol table info available.

#19 0xb6ab81c3 in ?? () from /usr/lib/libqgis_core.so.2.18.10

No symbol table info available.

#20 0xb6a160f9 in QgsMapRendererCustomPainterJob::doRender() () from /usr/lib/libqgis_core.so.2.18.10

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No symbol table info available.
#21 0xb6a1619a in QgsMapRendererCustomPainterJob::staticRender(QgsMapRendererCustomPainterJob*) () from
/usr/lib/libqgis_core.so.2.18.10
No symbol table info available.
#22 0xb6a16fb7 in ?? () from /usr/lib/libqgis_core.so.2.18.10
No symbol table info available.
#23 0xb63243c9 in ?? () from /usr/lib/i386-linux-gnu/libQtCore.so.4
No symbol table info available.
#24 0xb6331d3e in ?? () from /usr/lib/i386-linux-gnu/libQtCore.so.4
No symbol table info available.
#25 0xb13b2295 in start_thread (arg=0x9f8ffb40) at pthread_create.c:333
  __res = <optimised out>
  pd = 0x9f8ffb40
  now = <optimised out>
  unwind_buf = {cancel_jmp_buf = {{jmp_buf = {-1321443328, 0, 4001536, -1617958488, -311889032, -2063751899},
mask_was_saved = 0}}, priv = {
    pad = {0x0, 0x0, 0x0, 0x0}, data = {prev = 0x0, cleanup = 0x0, canceltype = 0}}}
  not_first_call = 0
  pagesize_m1 = <optimised out>
  sp = <optimised out>
  freesize = <optimised out>
  __PRETTY_FUNCTION__ = "start_thread"
#26 0xb555005e in clone () at ../sysdeps/unix/sysv/linux/i386/clone.S:114
No locals.
```

History

#1 - 2017-07-22 01:48 PM - Giovanni Manghi

- Status changed from Open to Feedback

I'm on Xenial with QGIS 2.18.10 from QGIS repo+ubunutgis and I can't confirm.

Try disabling all the 3rd party plugins but the ones that matter for this issue (quick mapservices).

cheers!

#2 - 2017-07-22 10:30 PM - Steven Kay

Giovanni Manghi wrote:

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cheers!

Thanks!

Okay, done that - it still fails. Looks like it might just be this plugin then (I'm on the latest version of the plugin, but this also happened on an older version)

I had to move all my plugin folders into a separate sub-folder to get this to work, I couldn't see a way to reliably disable all of them from the GUI (I have lots of plugins) :/

Tried with a vector (shapefile projected into 3857), no problems there. As mentioned before, works with XYZ and OpenLayers.

I thought Web Mercator doesn't reach the poles, that might explain the **map extent is empty or inf** message? Not sure if that message was part of the crash, as it doesn't always show up.

#3 - 2017-07-22 10:51 PM - Giovanni Manghi

Steven Kay wrote:

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I had to move all my plugin folders into a separate sub-folder to get this to work, I couldn't see a way to reliably disable all of them from the GUI (I have lots of plugins) :/

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*I thought Web Mercator doesn't reach the poles, that might explain the **map extent is empty or inf** message? Not sure if that message was part of the crash, as it doesn't always show up.*

would you mind installing qgis from qgis repos but with the ubuntugis dependencies/repo? this will get gdal 2.*, that may have a role here (and anyway is better than 1.*). Thanks.

#4 - 2017-07-23 01:11 AM - Steven Kay

used synaptic to nuke all traces of grass and qgis, and followed the instructions on <http://www.qgis.org/en/site/forusers/alldownloads.html#debian-ubuntu>

retrieved with the ubuntugis version, and it works fine - thank you!

#5 - 2017-07-23 11:03 AM - Giovanni Manghi

- Resolution set to invalid

- Status changed from Feedback to Closed

Steven Kay wrote:

used synaptic to nuke all traces of grass and qgis, and followed the instructions on <http://www.qgis.org/en/site/forusers/alldownloads.html#debian-ubuntu>

retried with the ubuntuqgis version, and it works fine - thank you!

not sure they do already, but this should be documented in the plugin docs.