QGIS Application - Bug report #2003
crash when refreshing layer list if this contains unclean vectors

2009-10-12 09:58 AM - Paolo Cavallini

Status:	Closed		
Priority:	Low		
Assignee:	Lorenzo Masini		
Category:	GRASS		
Affected QGIS version:		**Regression?:**	No
Operating System:	Windows	**Easy fix?:**	No
Pull Request or Patch supplied:		**Resolution:**	fixed
Crashes QGIS or corrupts data:		**Copied to github as #:**	12063

Description

When reloading the layers lists from the GRASS Browser, QGIS crashes if the list contains an unclean vector:

terminate called after throwing an instance of 'QgsGrass::Exception'

what(): Unable to open vector map <fiumi_buf@paolo> on level 2. Try to rebuild vector topology by v.build.

I attach a broken vector, to be copied in the vector folder within the location

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History

#1 - 2009-11-29 07:36 AM - Jürgen Fischer

Replying to pcav:

> I attach a broken vector, to be copied in the vector folder within the location

doesn't work for me. Looks like the archive is incomplete - at least I don't see layers in that map.

#2 - 2009-11-29 07:39 AM - Giovanni Manghi

Replying to [comment:1 jef]:

> *Replying to pcav:*
>
> > *I attach a broken vector, to be copied in the vector folder within the location*
>
> *doesn't work for me. Looks like the archive is incomplete - at least I don't see layers in that map.*

Hi Jurgen

I tested a few minutes ago and it "worked" for me.

#3 - 2009-11-30 08:41 AM - Paolo Cavallini

Correct: the file is broken, thus incomplete. The issue here is that qgis should not crash in case of an unclean vector, but just return an error.

#4 - 2009-12-12 05:35 AM - Giovanni Manghi

I believe that the cause of this problem has another important consequence:

try import a big vector trough v.in.ogr, at some point, while the module is still working, try have a look to the vectors in the grass browser... qgis will crash.

#5 - 2010-01-16 10:27 AM - Redmine Admin

- Resolution set to fixed

- Status changed from Open to Closed

Fixed in commit:88fafe41 (SVN r12783)

#6 - 2010-03-07 02:44 PM - Giovanni Manghi

- Resolution deleted (fixed)

- Status changed from Closed to Feedback

Replying to [comment:4 lutra]:

> *I believe that the cause of this problem has another important consequence:*
>
> *try import a big vector trough v.in.ogr, at some point, while the module is still working, try have a look to the vectors in the grass browser... qgis will crash.*

I'm afraid I have to reopen this ticket because refreshing the GRASS browser while a module is producing an output (at least with vectors) causes QGIS to crash on windows platforms, not under linux.

Tested with qgis-dev installed with osgeo4w.

#7 - 2010-03-25 03:17 AM - Redmine Admin

It only crashes on Windows (works on Linux). I don't see anything wrong in code, it gives correct message "Cannot open vector ... in mapset ... on level 2 ..." and then it crashes. It could be crashing in Vect_close (which is correct), so I disabled Vect_close on win in commit:67d41d02 (SVN r13160).

#8 - 2010-05-25 04:19 PM - Giovanni Manghi

Replying to [comment:8 rblazek]:

> *It only crashes on Windows (works on Linux). I don't see anything wrong in code, it gives correct message "Cannot open vector ... in mapset ... on level 2 ..." and then it crashes. It could be crashing in Vect_close (which is correct), so I disabled Vect_close on win in commit:67d41d02 (SVN r13160).*

just tested commit:2923dd3d (SVN r13556) and it still crashes... same error message... sorry.

#9 - 2010-08-04 12:23 PM - Giovanni Manghi

- Resolution set to fixed

- Status changed from Feedback to Closed

it does not crash anymore, now it shows a warning like

Cannot open vector fiumi_buf in mapset mapset3003 on level 2 (topology not available, try to rebuild topology using v.build module).

#10 - 2010-08-04 12:33 PM - Giovanni Manghi

- Status changed from Closed to Feedback

- Resolution deleted (fixed)

sorry for the noise, it still crashes under windows just after showing the warning.

#11 - 2011-03-28 11:01 AM - Giovanni Manghi

- Resolution set to fixed

- Status changed from Feedback to Closed

I don't know what is changed in qgis trunk/osgeo4w in the last week, but a few days ago an unclean vector caused qgis to crash as described, now it throws the warning message

Cannot open vector fiumi_buf in mapset mapset3003 on level 2 (topology not available, try to rebuild topology using v.build module).

and doesn't crash anymore! So stopping a module or refreshing the GRASS browser after a module crashed for its own reasons is safe again

Still crash under qgis 1.6. Tested on Seven 32/64bit.

We still cannot remove any vector or unclean vector as we are stuck here #3646, but it seems really a (win)GRASS problem, not a QGIS one.

Please reopen if necessary.

Files

fiumi_buf.tar.gz	608 Bytes	2009-10-12	Paolo Cavallini