

QGIS Application - Bug report #20790

QGIS crashes computer due to lack of memory

2018-12-12 04:36 PM - Harry Clarke

Status: Open	
Priority: Normal	
Assignee:	
Category: Browser	
Affected QGIS version: 3.5(master)	Regression?: No
Operating System:	Easy fix?: No
Pull Request or Patch supplied: No	Resolution:
Crashes QGIS or corrupts data: Yes	Copied to github as #: 28610
Description	
<p>Whilst browsing a local file folder which contains a number of sub-folders and zip files using the Browser widget, QGIS does not open the folder but displays a blue moving circle.</p> <p>Using Microsoft Resource Monitor, QGIS was observed to start to consume all memory resources. If QGIS Desktop is not exited, this will result in a fatal crash of the computer (blue screen), due to the lack of memory.</p> <p>The error is repeatable for this particular folder. There is no problem viewing the folder with Microsoft File Explorer. However, other folders can be browsed normally.</p>	

History

#1 - 2018-12-12 07:01 PM - Alessandro Pasotti

- Status changed from Open to Feedback

Can you please try with Settings -> Options -> Data Source -> Scan for contents in compressed files ... -> Set it to "NO"

Does this help?

#2 - 2018-12-12 07:13 PM - Harry Clarke

Change Scan for contents in compressed files from "basic" to "no", and that solved the problem. QGIS was able to display the contents of the folder.

#3 - 2018-12-13 08:50 AM - Alessandro Pasotti

I'm not really sure about what to do here: perhaps something smart that checks for free memory and/or times out?

#4 - 2018-12-13 08:50 AM - Alessandro Pasotti

- Affected QGIS version changed from 3.4.2 to 3.5(master)

- Operating System deleted (Windows 8.1)

- Priority changed from High to Normal

Lowering priority because there is a workaround.

#5 - 2018-12-13 10:22 AM - Harry Clarke

Routines within QGIS should check that there is memory available before trying to use it, which would prevent a hard crash of the computer.

The rationale for the pre-emptive scanning of ZIP files needs to be reviewed, and the default. In the folder that caused the problem there were several very large zip files. Maybe some checks on size of ZIP file, and time to open (e.g. 5 seconds) should be constrained in basic mode - i.e. give up scanning if too large or takes too long to open.

#6 - 2018-12-13 10:36 AM - Alessandro Pasotti

I agree with the path forward, but this is unfortunately not trivial, let's see if it can be done during the next bugfixing round.

#7 - 2018-12-17 02:14 PM - Giovanni Manghi

- *Status changed from Feedback to Open*