

## QGIS Application - Bug report #16807

### Browser will show non valid files as loadable even when 'checked by GDAL'

2017-07-07 02:37 PM - Richard Duivenvoorde

|   |         |                                     |
|---|---------|-------------------------------------|
| <b>Status:</b>  | Closed  |                                     |
| <b>Priority:</b>  | Normal  |                                     |
| <b>Assignee:</b>  |         |                                     |
| <b>Category:</b>  | Browser |                                     |
| <b>Affected QGIS version:</b>   | master  | <b>Regression?:</b> No              |
| <b>Operating System:</b>  |         | <b>Easy fix?:</b> No                |
| <b>Pull Request or Patch supplied:</b>  | No      | <b>Resolution:</b>                  |
| <b>Crashes QGIS or corrupts data:</b>   | No      | <b>Copied to github as #:</b> 24706 |
| <b>Description</b>  |         |                                     |
| <p>See this thread:</p> <p><a href="https://lists.osgeo.org/pipermail/qgis-developer/2017-July/049234.html">https://lists.osgeo.org/pipermail/qgis-developer/2017-July/049234.html</a></p> <p>In short:</p> <p>Even when selecting 'Check extension' in "Settings/Options/Data Sources/Data source handling/Scan for valid items in the browser dock" GDAL is used to test if QGIS is able to open certain files in the directories seen in the Browser(widget).</p> <p>Even though GDAL reports that the file is not openable, the files are still visible in the browser.</p> <p>From that thread:</p> <p>Ah indeed you're right, even if we only check by extension, then we end up still opening the file with GDALOpen :-)</p> <p>"</p> <p>So we should have either :</p> <ul style="list-style-type: none"><li>- do only extension checking and defer the call to <a href="https://github.com/qgis/QGIS/blob/master/src/providers/gdal/qgsgdaldataitems.cpp#L43">https://github.com/qgis/QGIS/blob/master/src/providers/gdal/qgsgdaldataitems.cpp#L43</a> as late as possible. But I'm not sure if that's doable. I am merely discovering this piece of code</li><li>- or do extension checking as a pre-filter, but try GDALOpen() to ensure then that the file is a valid candidate. Would seem a more reasonable approach.</li></ul> <p>"</p> <p>Another option would be to introduce an icon for each layer type (raster, vector etc) which is 'grayed out' like 'not enabled' to show that: "It is possible that we can open it, but there is also a chance that we fail". For all those cases where the Identify() is not conclusive, OR where the actual opening of the file/connection is just too expensive/complex.</p> |         |                                     |

#### Associated revisions

##### Revision 2c64cece - 2019-02-06 06:14 PM - Nyal Dawson

[browser] Avoid always opening every file using gdal to test for update capabilities

This is no longer required - it was previously done in order to detect if the item should expose the SetCrs capability, but that's deprecated and unused.

Fixes #16807, fixes #20411, and avoids QGIS opening every file encountered in

the browser even when the Data Source setting is set to the default (fast) "Check Extension" setting only.

#### **Revision 331f590a - 2019-02-07 03:53 AM - Nyall Dawson**

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(cherry picked from commit 2c64cece0d1a51c37d27c1b11e76d76bb62184f3)

#### **History**

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##### **#1 - 2019-02-06 06:13 PM - Nyall Dawson**

- % Done changed from 0 to 100
- Status changed from Open to Closed

Applied in changeset commit:qgis|2c64cece0d1a51c37d27c1b11e76d76bb62184f3.