

QGIS Application - Bug report #16833

Unicode character in query in db_manager makes appear a never ending hourglass

2017-07-10 02:15 PM - Martin HOFFMANN

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|---|-------------------------------------|
| Status: Closed | |
| Priority: High | |
| Assignee: Sandro Santilli | |
| Category: DB Manager | |
| Affected QGIS version: 2.18.10 | Regression?: Yes |
| Operating System: | Easy fix?: No |
| Pull Request or Patch applied: Yes | Resolution: |
| Crashes QGIS or corrupts data: No | Copied to github as #: 24732 |

Description

Experiencing big regression which put QGIS in an unstable state (endless rolling cursor) under Windows 10.

The minimal step to reproduce is to put this query in DB Manager connected to a Postgresql instance

```
SELECT 'é':text --being an unicode accentuated character
```

This however work fine under 2.18.3 that is still installed on my colleague workstation.

Might also be related to this bug report #16756

Associated revisions

Revision 9efd666e - 2017-07-19 07:05 PM - Sandro Santilli

Test that PostGIS query can be passed as both unicode and string literal

See <https://issues.qgis.org/issues/16833>

Revision 3120068b - 2017-07-19 10:13 PM - Sandro Santilli

Do not assume input SQL is ASCII

Fixes #16833

History

#1 - 2017-07-10 02:39 PM - Giovanni Manghi

It works as expected up until 2.18.9

#2 - 2017-07-10 05:27 PM - Martin HOFFMANN

Guess it was time I learn how to downgrade using OSGeo4W...

I confirm that downgrading to 2.18.9 solve my issue.

I strongly discourage Windows10 users that need unicode support to upgrade until this is solved.

#3 - 2017-07-11 09:20 AM - Jürgen Fischer

- Subject changed from *Unicode character crash db_manager* to *Unicode character crashes db_manager*

#4 - 2017-07-11 11:12 AM - Giovanni Manghi

- Subject changed from *Unicode character crashes db_manager* to *Unicode character in query in db_manager makes appear a never ending hourglass*
- *Crashes QGIS or corrupts data changed from Yes to No*

It is also true that neither DB Manager of QGIS crash or are blocked/froze. Just the very annoying hourglass.

#5 - 2017-07-11 02:28 PM - Martin HOFFMANN

Sorry for the confusion, in fact the hourglass don't prevent manipulating the application and permit for instance to save the current document.

What seems to happen is that the query is stuck and never get_back to the preview window or a layer.

Apparently the error is only triggered where the input SQL query contain Unicode character, Unicode character returned by the database are handled just fine.

Here is a test table to create in your DB using external tool to check that only input is concerned.

```
SELECT * INTO test_unicode FROM (VALUES ('ascii','e'),('unicode','é')) foo(test,value)
```

So if you try to access to that table through database manager query

```
SELECT * FROM test_unicode          --This will work
SELECT * FROM test_unicode WHERE value='e'  --This as well
SELECT * FROM test_unicode WHERE value='é'  --This will never return and start an endless hourglass
```

I tested against Debian Jessie and I get the same error, here is the python log for the event

```
2017-07-11T13:50:05 1 Traceback (most recent call last):
  File "/usr/share/qgis/python/plugins/db_manager/dlg_sql_window.py", line 169, in loadAsLayerToggled
    self.fillColumnCombos()
  File "/usr/share/qgis/python/plugins/db_manager/dlg_sql_window.py", line 312, in fillColumnCombos
    c = connector._execute(None, sql)
  File "/usr/share/qgis/python/plugins/db_manager/db_plugins/connector.py", line 81, in _execute
    cursor.execute(str(sql))
UnicodeEncodeError: 'ascii' codec can't encode character u'\xe9' in position 23: ordinal not in range(128)
```

This seems to confirm that this might actually be the same bug than #16756

Sorry for duplicating I'm more a user than a developer and maybe I don't communicate "the good way".

#6 - 2017-07-13 03:08 PM - Borys Jurgiel

- *Operating System deleted (Windows 10 (with OSGeo4W))*
- *Assignee set to Sandro Santilli*

Assigning to Sandro, as commit:14ab5eb0bda is the reason of this regression (line 81 of connector.py)

#7 - 2017-07-18 10:41 AM - Jürgen Fischer

- *Subject changed from Unicode character in query in db_manager makes appear a never ending hourglass to Unicode character in query in db_manager makes appear a never ending hourglass*

#8 - 2017-07-18 11:13 PM - Sandro Santilli

I think I made those changes because I could not build otherwise, but trying again now I can build and confirm the revert fixes the issue. PR is here: <https://github.com/qgis/QGIS/pull/4882> -- it would be good to have a testcase for this but I don't know when I'll have time for that.

#9 - 2017-07-19 10:11 AM - Sandro Santilli

- *Status changed from Open to In Progress*

#10 - 2017-07-19 10:11 AM - Sandro Santilli

- *Pull Request or Patch supplied changed from No to Yes*

#11 - 2017-07-19 08:52 PM - Sandro Santilli

A second, simpler, pull request is here:

<https://github.com/qgis/QGIS/pull/4888>

This second one removes some assumptions about the input being ASCII (or encoded utf8).

Can the original reporter run some tests with that ?

A test is included and I run a manual test, but maybe you have more paths to test..

#12 - 2017-07-19 10:13 PM - Sandro Santilli

- *Status changed from In Progress to Closed*

- *% Done changed from 0 to 100*

Applied in changeset commit:qgis|3120068bf108e8929189cd560435f778290a648d.

#13 - 2017-07-19 10:17 PM - Sandro Santilli

Fix is now merged