

QGIS Application - Bug report #20029

SQL query including "row_number" on a virtual layer crashes QGIS

2018-10-05 04:16 PM - Gus Tech

Status: Closed	
Priority: High	
Assignee: Hugo Mercier	
Category: Virtual Layers	
Affected QGIS version: 3.2.3	Regression?: No
Operating System: Windows 10	Easy fix?: No
Pull Request or Patch supplied: No	Resolution: no timely feedback
Crashes QGIS or corrupts data: Yes	Copied to github as #: 27851

Description

User Feedback

I was trying this short SQL script on a PostGIS layer in the DB Manager:

```
select id, gov_na, row_number() over (partition by gov_na)
from admin.villages
```

The script works fine in PgAdmin III but keeps crashing QGIS 3.2.3

Report Details

Crash ID: a7b3e03b393d182a60ed1a144378006767517e21

Stack Trace

```
QBasicMutex::unlockInternal :
QgsTask::processSubTasksForTermination :
QgsTask::cancel :
PyInit__core :
PyCFunction_FastCallDict :
PyObject_GenericGetAttr :
PyEval_EvalFrameDefault :
PyFunction_FastCallDict :
PyObject_CallFunctionObjArgs :
PyObject_Call :
PyInit_sip :
std::basic_string<char,std::char_traits<char>,std::allocator<char> >::shrink_to_fit :
std::_String_alloc<std::_String_base_types<char,std::allocator<char> >
>::~~_String_alloc<std::_String_base_types<char,std::allocator<char> > > :
QgsTask::subTaskStatusChanged :
QMetaCallEvent::placeMetaCall :
QObject::event :
std::_String_alloc<std::_String_base_types<char,std::allocator<char> >
>::~~_String_alloc<std::_String_base_types<char,std::allocator<char> > > :
QApplicationPrivate::notify_helper :
QApplication::notify :
QgsApplication::notify :
QCoreApplication::notifyInternal2 :
QCoreApplicationPrivate::sendPostedEvents :
qt_plugin_query_metadata :
QEventDispatcherWin32::processEvents :
CallWindowProcW :
DispatchMessageW :
QEventDispatcherWin32::processEvents :
qt_plugin_query_metadata :
QEventLoop::exec :
QCoreApplication::exec :
main :
```

BaseThreadInitThunk :
RtlUserThreadStart :

QGIS Info

QGIS Version: 3.2.3-Bonn
QGIS code revision: commit:9b176802e5
Compiled against Qt: 5.9.2
Running against Qt: 5.9.2
Compiled against GDAL: 2.2.4
Running against GDAL: 2.2.4

System Info

CPU Type: x86_64
Kernel Type: winnt
Kernel Version: 10.0.17134

Related issues:

Duplicated by QGIS Application - Bug report # 20047: SQL queries on virtual l... **Closed** **2018-10-08**

History

#1 - 2018-10-06 10:50 AM - Giovanni Manghi

- Priority changed from Normal to High
- Subject changed from SQL script including row_number crashes QGIS to SQL query including "row_number" crashes QGIS
- Status changed from Open to Feedback

This happens regardless of the table used in the query? Does the same on 2.18?

#2 - 2018-10-06 01:54 PM - Gus Tech

Giovanni Manghi wrote:

| This happens regardless of the table used in the query? Does the same on 2.18?

Actually, apologies for not mentioning that this is happening to a virtual layer in a QGIS project. Working on the DB directly returns the expected result whether it's 3.2.3 or 2.18.24.

In QGIS 3.2.3, running the query on a virtual layer in a QGIS project crashes the software, in QGIS 2.18.24, it returns the following error:

```
Query execution error on CREATE TEMP VIEW _tview AS select id, gov_na, row_number() over (partition by gov_na)
from villages: 1 - near "(": syntax error
```

#3 - 2018-10-08 10:12 AM - Giovanni Manghi

- Status changed from Feedback to Open
- Subject changed from SQL query including "row_number" crashes QGIS to SQL query including "row_number" on a virtual layer crashes QGIS
- Category changed from DB Manager to Virtual Layers

#4 - 2018-10-08 04:35 PM - Alessandro Pasotti

- Duplicated by Bug report #20047: SQL queries on virtual layers frequently crashes QGIS added

#5 - 2018-10-23 10:27 AM - Hugo Mercier

- Assignee set to Hugo Mercier

I indeed have a crash, under Windows only.

I think #19271 is the same problem.

#6 - 2018-10-23 11:16 AM - Nyall Dawson

For reference - I spent some time looking at this one and the root cause is that an exception raised in the virtual layer provider is never caught (even though the code is in place to do this and it works on other platforms). It's only reproducible on windows.

#7 - 2018-10-23 11:19 AM - Hugo Mercier

I'm struggling with visual studio. Do you remember exactly what exception was it ?

#8 - 2018-10-23 11:35 AM - Hugo Mercier

I actually have a different stack trace

Stack Trace

```
QCoreApplication::postEvent :  
qt_qFindChildren_helper :  
QMetaObject::activate :  
QgsTask::statusChanged moc_qgstaskmanager.cpp:197  
QgsTask::processSubTasksForTermination qgstaskmanager.cpp:292  
QgsTask::terminated qgstaskmanager.cpp:331  
QgsTask::start qgstaskmanager.cpp:77  
QgsTaskRunnableWrapper::run qgstaskmanager.cpp:350  
QThreadPoolPrivate::reset :  
QThread::start :  
BaseThreadInitThunk :  
RtlUserThreadStart :
```

QGIS Info

```
QGIS Version: 3.3.0-Master  
QGIS code revision: commit:2aef195527  
Compiled against Qt: 5.9.2  
Running against Qt: 5.9.2  
Compiled against GDAL: 2.2.4  
Running against GDAL: 2.2.4
```

System Info

```
CPU Type: x86_64  
Kernel Type: winnt  
Kernel Version: 10.0.16299
```

#9 - 2018-10-23 11:41 AM - Hugo Mercier

When I set breakpoints on exception raises with visual studio, I cannot reproduce the error. Looks like a synchronisation problem ...

#10 - 2018-11-08 01:31 PM - Giovanni Manghi

- *Status changed from Open to Feedback*

Please try on QGIS 3.4.1, if the issue is still valid change the affected version, thanks.

#11 - 2019-02-23 08:37 PM - Jürgen Fischer

- *Status changed from Feedback to Closed*

- *Resolution set to no timely feedback*

Bulk closing 82 tickets in feedback state for more than 90 days affecting an old version. Feel free to reopen if it still applies to a current version and you have more information that clarify the issue.