

QGIS Application - Bug report #19184

QGIS 3.0.3 crash using QSqlTableModel

2018-06-12 09:32 PM - Alfredo GarciaWoods

Status:	Closed	
Priority:	Normal	
Assignee:		
Category:	Python plugins	
Affected QGIS version:	3.0.3	Regression?: No
Operating System:	Windows 10	Easy fix?: No
Pull Request or Patch supplied:	No	Resolution:
Crashes QGIS or corrupts data:	Yes	Copied to github as #: 27013
Description		
I am developing a Qgis plugin and Qgis 3.0.3 Crashes sometimes. I know the source of the problem is QSqlTableModel, I am thinking that perhaps, is a matter of time... when I leave the plugin without any action for some minutes, perhaps the database connection is closed or something like that, and then, when I try to show the tableView again, it internally calls the broken connection(it is a presumption).		
Stack Trace		
<pre>QSqlQuery::value : QSqlQueryModel::data : QSqlTableModel::data : QSortFilterProxyModel::lessThan : QSortFilterProxyModel::qt_static_metacall : QSortFilterProxyModel::sortRole : QSortFilterProxyModel::sort : QTableView::sortByColumn : PyCFunction_FastCallDict : PyObject_GenericGetAttr : PyEval_EvalFrameDefault : PyInit_pydevd_frame_evaluator_win32_36_64 : PyObject_GenericGetAttr : PyEval_EvalFrameDefault : PyInit_pydevd_frame_evaluator_win32_36_64 : PyFunction_FastCallDict : PyObject_CallFunctionObjArgs : PyObject_Call : PyInit_QtCore : PyInit_QtCore : PyInit_QtCore : PyInit_QtCore : PyInit_QtCore : PyInit_QtCore : QMetaObject::activate : QAction::activate : QAbstractButton::click : QAbstractButton::mouseReleaseEvent : QToolButton::mouseReleaseEvent : QWidget::event : QApplicationPrivate::notify_helper : QApplication::notify : QgsApplication::notify :</pre>		

```
QCoreApplication::notifyInternal2 :
QApplicationPrivate::sendMouseEvent :
QSizePolicy::QSizePolicy :
QSizePolicy::QSizePolicy :
QApplicationPrivate::notify_helper :
QApplication::notify :
QgsApplication::notify :
QCoreApplication::notifyInternal2 :
QGuiApplicationPrivate::processMouseEvent :
QWindowSystemInterface::sendWindowSystemEvents :
QEventDispatcherWin32::processEvents :
CallWindowProcW :
DispatchMessageW :
QEventDispatcherWin32::processEvents :
qt_plugin_query_metadata :
QEventLoop::exec :
QCoreApplication::exec :
main :
BaseThreadInitThunk :
RtlUserThreadStart :
```

QGIS Info

QGIS Version: 3.0.3-Girona
QGIS code revision: commit:8a899c8758
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

History

#1 - 2018-06-13 12:02 AM - Alfredo GarciaWoods

- Status changed from Open to Closed

I finally found that QGis crashed because I was using a:
QSqlDatabase->QSqlTableModel->QTableView schema

And the order to reinit this keeping the original QTableView, is very important.

The solution was to do it in order:

So that the model QTableView-> QSqlTableModel doesn't try to access a populated model, and a closed databases

```
if self.db!=None:
    self.model.revertAll()
    self.model.clear()
    self.db.close()
```

