

QGIS Application - Bug report #11517

Size restrictions of custom forms created in Qt Designer not honored

2014-10-28 09:57 AM - Roi Hojgaard

Status:	Closed	
Priority:	Normal	
Assignee:	Alessandro Pasotti	
Category:	Forms	
Affected QGIS version:	master	Regression?: No
Operating System:		Easy fix?: No
Pull Request or Patch applied:		Resolution: fixed/implemented
Crashes QGIS or corrupts data:		Copied to github as #: 19787
Description		
Dear developers.		
No matter which "sizePolicy" settings I choose for the forms I create in Qt Designer, the forms get more or less random size in QGIS (both in 2.4 and nightly dev). Even if "sizePolicy" is "Fixed", the size can still be freely changed in QGIS.		
To create custom forms in Qt Designer is an extremely cool feature, IMHO. But with the size settings not honored, the forms will look amateurish, if implemented in our clients GIS environment.		
Please fix for 2.6. Thanks.		
Our QGIS runs on windows 7 64 bit; PostgreSQL 9.2.5 and PostGIS 2.0.3 are running on CentOS 6.5 Final 64 bit.		

Associated revisions

Revision ad2caed3 - 2015-11-12 04:55 PM - Alessandro Pasotti

Removed parent and replaced with QgsAttributeDialog

This makes possible to resize/alter the outer dialog
from python init code in the form.

Fixes #11517 (indirectly)

History

#1 - 2014-10-28 01:26 PM - Jürgen Fischer

- Priority changed from High to Normal

#2 - 2014-10-29 01:30 AM - Roi Hojgaard

This works fine in 2.2 btw.

#3 - 2014-10-29 12:08 PM - Giovanni Manghi

- Status changed from Open to Feedback

If this is a regression this should be tagged as blocker, but I'm not sure is a good idea so near the release. Jürgen, your call, thanks.

#4 - 2014-10-29 01:17 PM - Matthias Kuhn

It was reported quite short before release (actually after the original release date) and is a UX glitch rather than a big issue. -1 for tagging it as a blocker, there are more important issues. I'll take care of it for 2.8 (unless somebody fixes it for 2.6 of course).

Sidenote: In general forms look not too bad if using Qt layouts. And dialog geometries are saved across sessions.

#5 - 2014-10-31 05:55 AM - Jürgen Fischer

- *Target version changed from Version 2.6 to Future Release - High Priority*

#6 - 2015-01-05 10:12 AM - Matthias Kuhn

Can you attach an affected form that behaves differently in 2.2 and >=2.4?

#7 - 2015-11-06 10:40 AM - Alessandro Pasotti

- *Resolution set to worksforme*

- *Assignee set to Alessandro Pasotti*

I cannot reproduce, setting the dialog size policy to Minimum or MinimumExpanding from designer in the UI file works for me, I didn't test other options but I don't see any reason why they should not work.

Can you please provide an example form that does not work?

#8 - 2015-11-06 11:59 AM - Alessandro Pasotti

Fixed size it's ignored indeed...

#9 - 2015-11-06 12:09 PM - Alessandro Pasotti

- *Status changed from Feedback to Closed*

I confirm that it's working: to get the desired fixed size, you need to set minimumSize and maximumSize properties in addition to the *sizePolicy.

#10 - 2015-11-12 07:52 AM - Alessandro Pasotti

- *Resolution deleted (worksforme)*

- *Status changed from Closed to Reopened*

Re-checked and this is indeed a problem since the form is embedded in a dialog and the parent is not set correctly, hence it's not even reachable via init python code.

Patch is almost ready.

#11 - 2015-11-12 08:08 AM - Alessandro Pasotti

- *Status changed from Reopened to In Progress*

- *Resolution set to fixed/implemented*

- Pull Request or Patch supplied changed from No to Yes

Fixed (indirectly) with <https://github.com/qgis/QGIS/pull/2449>

that makes possible to alter the outer dialog from python code in the form, the following example set the container to a fixed size of 800x600, the resulting form dialog will not be resizeable.

```
# -*- coding: utf-8 -*-
```

```
"""
```

QGIS forms can have a Python function that is called when the form is opened.

Use this function to add extra logic to your forms.

Enter the name of the function in the "Python Init function" field.

An example follows:

```
"""
```

```
from qgis.core import QgsMessageLog
from PyQt4.QtGui import QSizePolicy

def my_form_open(dialog, layer, feature):
    QgsMessageLog.logMessage(str(dialog))
    dialog.parent().setFixedWidth(800)
    dialog.parent().setFixedHeight(600)
    dialog.parent().setSizePolicy(QSizePolicy.Fixed, QSizePolicy.Fixed)
```

#12 - 2015-11-12 08:49 AM - Alessandro Pasotti

- Status changed from In Progress to Closed

Fixed in changeset commit:"ad2caed3b2bd652a6264652bda009621c44e0c4a".