

QGIS Application - Bug report #12257

Cannot create virtual field with delimited text layer

2015-02-24 03:56 PM - Chris Crook

Status:	Closed	
Priority:	Normal	
Assignee:		
Category:	Field calculator	
Affected QGIS version:	2.8.0	Regression?: No
Operating System:		Easy fix?: No
Pull Request or Patch supplied:		Resolution:
Crashes QGIS or corrupts data:		Copied to github as #: 20442
Description		
<p>When trying to add a field to a delimited text layer the Field Calculator UI does not enable the Output field type, width, and precision fields. This makes it impossible to define a valid field. So when OK is clicked, it is blocked with a message "Could not add the new field to the provider".</p> <p>Steps to reproduce:</p> <ul style="list-style-type: none">- Open a valid CSV file in QGIS (eg id,lon,lat 1,170.0,-45.0)- open the attribute table on the new layer- open the field calculator dialog- enter output field name "answer"- enter expression "42"- click OK. <p>Notes 1: It is possible to add a virtual field via python, ie</p> <pre>from PyQt4.QtCore import * iface.mapCanvas().currentLayer().addExpressionField('42',QgsField("answer",QVariant.Int))</pre> <p>Notes 2: The UI should not enable the OK button if a valid field type is not selected</p>		

Associated revisions

Revision 9c2f5725 - 2015-02-26 09:28 PM - Chris Crook

Fix #12257 - allow creation of expression field on delimited text layer

Revision 5f1ed358 - 2015-03-30 01:16 AM - Nathan Woodrow

Merge pull request #1932 from ccrook/Field_calculator_expression_fix

Fix #12257 - allow creation of expression field on delimited text layer

History

#1 - 2015-02-25 09:51 PM - Chris Crook

Note: The issue comes from the logic used to identify when the calculator should create a virtual field. In this case despite the fact that the virtual field check box is checked (and not enabled), there is a second condition, on the new field checkbox, which is not met. Instead the calculator tries to create a provider field and fails.

The issue with no field data type being selectable is separate and relates to the delimited text provider. This is addressed in pull request #1931, which I have merged into master. If the other issue with the field calculator gets fixed I'd appreciate if it and #1931 could be backported to 2.8.1.

#2 - 2015-02-27 10:52 AM - Chris Crook

I've submitted a fix (PR 1932) which addresses this

#3 - 2015-03-29 04:20 PM - Nathan Woodrow

- *Status changed from Open to Closed*

Fixed in changeset commit:"5f1ed3582d9b549822b7110336de5c745790c189".