

QGIS Application - Bug report #12257

Cannot create virtual field with delimited text layer

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

<b>Status:</b>	Closed	
<b>Priority:</b>	Normal	
<b>Assignee:</b>		
<b>Category:</b>	Field calculator	
<b>Affected QGIS version:</b>	2.8.0	<b>Regression?:</b> No
<b>Operating System:</b>		<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>		<b>Resolution:</b>
<b>Crashes QGIS or corrupts data:</b>		<b>Copied to github as #:</b> 20442
<b>Description</b>		
<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"><li>- Open a valid CSV file in QGIS (eg id,lon,lat 1,170.0,-45.0 )</li><li>- open the attribute table on the new layer</li><li>- open the field calculator dialog</li><li>- enter output field name "answer"</li><li>- enter expression "42"</li><li>- click OK.</li></ul> <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

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### #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".