

## QGIS Application - Bug report #7491

### PyQGIS - Add delimited Table as QGisVectorLayer behaviour on Windows systems

2013-04-02 08:42 AM - Martin Jung

<b>Status:</b> Closed	
<b>Priority:</b> Normal	
<b>Assignee:</b>	
<b>Category:</b> Python plugins	
<b>Affected QGIS version:</b> master	<b>Regression?:</b> No
<b>Operating System:</b> Windows	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b> No	<b>Resolution:</b>
<b>Crashes QGIS or corrupts data:</b> No	<b>Copied to github as #:</b> 16442

#### Description

Hi, i tried to add a comma-separated file (csv) as table to QGIS.

The following example works without issues on Linux systems (QGIS dev):

```
fileName = vectorPath # the path to the csv
fileInfo = QFileInfo(fileName)
baseName = fileInfo.baseName()
uri = fileName+"?delimiter=%s" % (";") # ; as separator
vlayer = QgisVectorLayer(uri, baseName, "delimitedtext")
if not vlayer.isValid():
    QMessageBox.warning(QDialog(),"Warning","Failed to add the Layer to QGIS")
QgisMapLayerRegistry.instance().addMapLayer(vlayer)
```

However using QGIS dev on Windows XP always results in an invalid layer ("Failed to add the Layer to QGIS"), while QGIS 1.8 simply crashes ("Error Message: QGIS.bin has to be closed").

Did i stumble upon a bug or is the procedure to add tables to QGIS different on Windows systems?

#### History

##### #1 - 2013-04-02 12:28 PM - Jürgen Fischer

Did you enable the delimited text plugin?

##### #2 - 2013-04-02 02:00 PM - Martin Jung

No, i didn't before.

I just tested it and it has no influence on the errors (QGIS 1.8 still crashing on WIN XP -> qgis.exe has found an Error | QGIS dev returns the messagebox that the layer is not valid.)

##### #3 - 2013-04-02 05:24 PM - Jürgen Fischer

Martin Jung wrote:

*No, i didn't before.*

*I just tested it and it has no influence on the errors (QGIS 1.8 still crashing on WIN XP -> qgis.exe has found an Error | QGIS dev returns the messagebox that the layer is not valid.)*

use uri = "file://" + fileName + "?delimiter=%s" % (";") # ; as separator

**#4 - 2013-04-03 12:58 AM - Martin Jung**

- Status changed from Open to Closed

Ahh, that fixed it. Thanks!

**#5 - 2013-04-15 05:26 PM - Chris Crook**

One safe way of building the url for the delimited text plugin is to use QUrl...

```
url = QUrl.fromLocalFile(filename)
url.addQueryItem('delimiter',';')
url.addQueryItem('xField','longitude')
url.addQueryItem('yField','latitude')
layer_uri=QString.fromAscii(url.toEncoded())
vlayer=QgsVectorLayer(layer_uri,"My layer","delimitedtext")
```