

QGIS Application - Bug report #11274

File path encoding in "delimitedtext"-Provider

2014-09-26 04:14 AM - I h\_

<b>Status:</b>	Closed	
<b>Priority:</b>	Normal	
<b>Assignee:</b>		
<b>Category:</b>	Data Provider/Delimited Text	
<b>Affected QGIS version:</b>	2.4.0	<b>Regression?:</b> No
<b>Operating System:</b>		<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>	No	<b>Resolution:</b> wontfix
<b>Crashes QGIS or corrupts data:</b>	No	<b>Copied to github as #:</b> 19572
<b>Description</b>		
<p>Hello,</p> <p>I have a problem with the path encoding of the "delimitedtext"-Provider - as soon as the file path has a special character the following error-message occurs:</p> <p>"File cannot be opened or delimiter parameters are not valid"</p> <p>Here is the code:</p> <pre>@uri = u"file:/" + unicode(fileName) + u"?delimiter={0}&amp;xField={1}&amp;yField={2}&amp;crs=epsg:4326&amp;spatialIndex=yes".format(",", "longitude", "latitude")</pre> <pre>self.__csvLayer = QgsVectorLayer(uri, "my_csv_layer", "delimitedtext")@</pre>		

History

- #1 - 2014-10-04 12:54 AM - Alexander Bruy
- Category set to Data Provider/Delimited Text
  - Status changed from Open to Feedback

Please be more specific, which "special" characters? Does it also failed when you load this file via QGIS GUI?

#2 - 2015-02-04 02:49 AM - I h\_

Special character could be an ä - any non english letter...

#3 - 2015-02-05 01:50 AM - I h\_

It doesn't fail in the GUI... I think the URI-Constructor of the QgsVectorlayer isn't used there. Our plugin is also written in Python, maybe the problem is there?

- #4 - 2015-02-05 02:03 AM - Giovanni Manghi
- Status changed from Feedback to Open

#5 - 2015-02-05 11:44 PM - Minoru Akagi

You need to convert unicode characters to ascii (URL encoding).

```
from PyQt4.QtCore import QUrl

filename = u"D:\\\\[?]?csv"
url = QUrl.fromLocalFile(filename)
url.setQueryItems([["delimiter", ","], ["key2", "value2"]])

url.toEncoded() # -> PyQt4.QtCore.QByteArray('file:///E:/%E3%83%86%E3%82%B9%E3%83%88.csv?delimiter=,&key2=value2')

layer = QgsVectorLayer(unicode(url.toEncoded()), "layername", "delimitedtext")
```

#### #6 - 2015-02-06 03:43 AM - Minoru Akagi

last comment has been modified.

wrong: url.toString()  
right: unicode(url.toEncoded())

#### #7 - 2016-01-20 02:28 AM - Alexander Bruy

- Status changed from Open to Closed
- Resolution set to fixed/implemented

This is not a QGIS bug, plugin should take care about handling non-ASCII characters. Please reopen if necessary

#### #8 - 2016-01-20 02:28 AM - Alexander Bruy

- Resolution changed from fixed/implemented to wontfix