QGIS Application - Bug report #3283
Relative path support bug for delimited text provider

2010-12-01 06:03 PM - Chris Crook

Status:	Closed			
Priority:	Low			
Assignee:	nobody -			
Category:	Project Loading/Saving			
Affected QGIS version:		**Regression?:**	No	
Operating System:	Windows	**Easy fix?:**	No	
Pull Request or Patch supplied:		**Resolution:**	fixed	
Crashes QGIS or corrupts data:		**Copied to github as #:**	13343	

Description

Saving and loading projects can corrupt the datasourceUri for delimited text providers when the project is configured to use relative paths.

The problem is that the [[QgsProject]] readPath and writePath functions assume that the entire Uri is a file path, and change all "\\" to "/". For the delimited text provider the Uri is encoded as filename?parameters. The parameters can include regular expression defintion, which includes valid backslash characters. These get converted to slash characters, rendering the regular expression incorrect.

This is fixed by the attached patch

Associated revisions

Revision 1c32d266 - 2010-12-13 09:23 PM - Jürgen Fischer

fix #3283

git-svn-id: http://svn.osgeo.org/qgis/trunk/qgis@14903 c8812cc2-4d05-0410-92ff-de0c093fc19c

Revision 06f66f47 - 2010-12-13 09:23 PM - Jürgen Fischer

fix #3283

git-svn-id: http://svn.osgeo.org/qgis/trunk@14903 c8812cc2-4d05-0410-92ff-de0c093fc19c

History

#1 - 2010-12-11 11:11 AM - Jürgen Fischer

Not sure that this is correct. ? is a valid character for file and directory names.

It's a bit unfortunate that we need to parse provider specific datasource strings outside of the provider. Maybe we should at some point change the providers to encode their parameters with QUrl and have some convention for filenames (e.g. file, file0, file1 for filename arguments), so that we don't need to "guess" where filename arguments are.

#2 - 2010-12-12 10:00 AM - Chris Crook

Bother! Wishful thinking on my part that ? is not valid (plus working on a less enlightened operating system by non-choice).

This does need fixing still though, if we have regular expression delimiters for the delimited text provider, as they are very likely to include "\\" characters which will get corrupted by the relative path manipulations.

As you say, ideally this would be handled by the provider, though that is a much bigger change. Another short term option (ugly though) would be to add some specific code to the [[QgsProject]] relative path manipulations for the delimited text provider, similar to what is there now for other providers.

I've changed the ticket from patch to bug. Any thoughts as to where to from here.

#3 - 2010-12-13 12:24 PM - Jürgen Fischer

- Resolution set to fixed

- Status changed from Open to Closed

Replying to [comment:2 ccrook]:

> *Another short term option (ugly though) would be to add some specific code to the [[QgsProject]] relative path manipulations for the delimited text provider, similar to what is there now for other providers.*

right, done in commit:06f66f47 (SVN r14904).

#4 - 2010-12-13 12:45 PM - Chris Crook

Replying to [comment:3 jef]:

> *right, done in commit:06f66f47 (SVN r14904).*

Great!! Thanks

Files

relative_path_fix.patch		1.2 KB	2010-12-01	Chris Crook