

QGIS Application - Bug report #9543

VRT vector file don't recognize relative path

2014-02-12 01:34 AM - Regis Haubourg

Status:	Closed	
Priority:	Normal	
Assignee:		
Category:	Data Provider/OGR	
Affected QGIS version:	2.0.1	Regression?: No
Operating System:		Easy fix?: No
Pull Request or Patch supplied:		Resolution: up/downstream
Crashes QGIS or corrupts data:		Copied to github as #: 18130

Description

Hi, I build here a vrt on a simple csv file, and QGIS opens it correctly only if I put a absolute file in datasource. Ogrinfo works correctly when using relative paths.. So it is probably related to QGIS method to call GDAL vrt.

```
<OGRVRTDataSource>
  <OGRVRTLayer name="cotieres">

    <SrcDataSource>V:\temp_user\cwbody.csv</SrcDataSource> -- OK
    <SrcDataSource>cwbody.csv</SrcDataSource> -- NOT WORKING

    <SrcSQL>select "EU_CD", CAST("LAT" as numeric(8,5)) AS "LAT", CAST("LON" as numeric(8,5)) AS "LON" from cwbody
  </SrcSQL>
  <GeometryType>wkbPoint</GeometryType>
  <LayerSRS>EPSG:4326</LayerSRS>
  <GeometryField encoding="PointFromColumns" x="LON" y="LAT"/>
</OGRVRTLayer>
</OGRVRTDataSource>
```

History

#1 - 2014-02-12 07:44 AM - Etienne Tourigny

I assume the .csv and .vrt file are in the same directory?

Perhaps you are missing the relativeToVRT tag in SrcDataSource?

[1] lists it as optional, but it might be necessary in this case to work in qgis?

[1] [http://www.gdal.org/ogr/drv\\_vrt.html](http://www.gdal.org/ogr/drv_vrt.html)

#2 - 2014-02-12 07:54 AM - Etienne Tourigny

- Status changed from Open to Feedback

Works for me using both relative and absolute path in linux using 2.0.1 and (mostly) recent master, with this .csv file

LAT,LON  
0.1,0.2

what is the content of your csv file?

**#3 - 2014-02-12 08:22 AM - Etienne Tourigny**

- *Operating System set to windows*
- *Status changed from Feedback to Open*

I confirm the issue on windows with qgis-dev, using osgeo4w 32 bit installer. ogrinfo can read both datasets, but qgis does not identify the vrt file with relative path

**#4 - 2014-02-13 12:57 AM - Regis Haubourg**

Hi, explicitly setting datasource tag to `<SrcDataSource relativeToVRT="1">cwbody.csv</SrcDataSource>` does the trick.

Strange behaviour from a user point of view. If behaviour differs between linux and windows, this could be due to bad handling of UNC path in Windows? Cheers.

**#5 - 2014-02-13 04:01 AM - Etienne Tourigny**

Perhaps the difference is that the current directory is not set to that of the .vrt file in windows, whereas it is in linux.

Sorry I cannot help implementing a fix, someone who works with windows builds should do that.

Anyway, there is a simple workaround.

**#6 - 2014-02-13 04:17 AM - Etienne Tourigny**

- *Operating System deleted (windows)*

actually, I was wrong, issue also exists in Linux. I was running qgis from the directory where the .vrt and .csv files reside. If you open from other dir or application launcher, the problem manifests.

On a side note, when you use `gdal_translate` to create a vrt file, `relativeToVRT` is set to "1" so I guess the same should be applied to ogr vrt files.

So I'm not sure this should be fixed, but rather `relativeToVRT` should be set in your file.

**#7 - 2014-06-21 03:18 AM - Jürgen Fischer**

- *Category set to Data Provider/OGR*
- *Resolution set to up/downstream*

**#8 - 2014-06-23 07:10 AM - Regis Haubourg**

- *Status changed from Open to Closed*

Workaround is sufficient.

