

QGIS Application - Bug report #3092

Gdal Tools Merge tool fails to read extents

2010-10-08 12:16 AM - sowelu -

Status: Closed	
Priority: Low	
Assignee: Giuseppe Sucameli	
Category: Python plugins	
Affected QGIS version:	Regression?: No
Operating System: Debian	Easy fix?: No
Pull Request or Patch supplied:	Resolution: fixed
Crashes QGIS or corrupts data:	Copied to github as #: 13152

Description

Using GDAL Tools, Warp tool I was getting a Python message that an index was out of range. The problem was in this code in doMerge.py where indicated

```
info = QString( arr ).split( "\n" )
ulCoord = info[ info.indexOf( QRegExp( "^Upper\\sLeft.*" ) ) ].simplified()
lrCoord = info[ info.indexOf( QRegExp( "^Lower\\sRight.*" ) ) ].simplified()
ul = ulCoord.split( " " )
lr = lrCoord.split( " " )
xUL = ul[ 3 ].replace( ",", "" ).toDouble() [ 0 ] <--- Index error
yUL = ul[ 4 ].replace( ",", "" ).toDouble()[ 0 ]
xLR = lr[ 3 ].replace( ",", "" ).toDouble()[ 0 ]
yLR = lr[ 4 ].replace( ",", "" ).toDouble()[ 0 ]
```

This resulted from a raster with the following partial gdalinfo

```
Upper Left (13631210.192,-3336272.678)
Lower Left (13631210.192,-3348502.603)
Upper Right (13643440.117,-3336272.678)
Lower Right (13643440.117,-3348502.603)
Center (13637325.154,-3342387.640)
```

It appears as though the ulCoord string is not being split properly on spaces, because the spaces do not exist around the comma and bracket. I am compiling QGIS with GDAL trunk (on Linux), so maybe the format has changed.

The code below fixed the problem and might be more robust (although I am not very good at python).

```
info = QString( arr ).split( "\n" )
ulCoord = info[ info.indexOf( QRegExp( "^Upper\\sLeft.*" ) ) ].simplified()
lrCoord = info[ info.indexOf( QRegExp( "^Lower\\sRight.*" ) ) ].simplified()
xUL = ulCoord[ulCoord.indexOf( "(" ) + 1 : ulCoord.indexOf( "," ) - 1].toDouble()r0
yUL = ulCoord[ulCoord.indexOf( "," ) + 1 : ulCoord.indexOf( ")" ) - 1].toDouble()r0
xLR = lrCoord[lrCoord.indexOf( "(" ) + 1 : lrCoord.indexOf( "," ) - 1].toDouble()r0
yLR = lrCoord[lrCoord.indexOf( "," ) + 1 : lrCoord.indexOf( ")" ) - 1].toDouble()r0
```

Associated revisions

Revision be29ad96 - 2010-11-05 02:35 PM - Giuseppe Sucameli

split extent on comma in GdalTools Merge tool, to fix #3092

git-svn-id: <http://svn.osgeo.org/ggis/trunk/ggis@14513> c8812cc2-4d05-0410-92ff-de0c093fc19c

Revision 838b614d - 2010-11-05 02:35 PM - Giuseppe Sucameli

split extent on comma in GdalTools Merge tool, to fix #3092

git-svn-id: <http://svn.osgeo.org/ggis/trunk@14513> c8812cc2-4d05-0410-92ff-de0c093fc19c

History

#1 - 2010-11-05 06:36 AM - Giuseppe Sucameli

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

Replying to [sowelu](#):

| Using GDAL Tools, Warp tool I was getting a Python message that an index was out of range.

Did you mean Merge tool, isn't it?

Fixed from commit:838b614d (SVN r14514)