QGIS Application - Bug report #8811
gdal_array python modules are missing from the Win64 QGIS 2.0.1-2 standalone installer

2013-10-09 06:22 AM - Tim Sutton

Status:	Closed		
Priority:	Normal		
Assignee:	Jürgen Fischer		
Category:	Windows Package		
Affected QGIS version:	2.0.1	**Regression?:**	No
Operating System:	Windows	**Easy fix?:**	No
Pull Request or Patch supplied:		**Resolution:**	fixed/implemented
Crashes QGIS or corrupts data:	No	**Copied to github as #:**	17508

Description

We are having problems running some python code that worked well in previous binary versions of QGIS. Example code below:

```
import gdal
fid = gdal.Open('tenbytenraster.asc', gdal.GA_ReadOnly)
band = fid.GetRasterBand(1)
array = band.ReadAsArray()
```

Under Lisboa, the code above runs fine. Under Dufour we get an error like this:

```
>>> import gdal
>>> id = gdal.Open('tenbytenraster.asc', gdal.GA_ReadOnly)
>>> fid = gdal.Open('tenbytenraster.asc', gdal.GA_ReadOnly)
>>> band = fid.GetRasterBand(1)
>>> array = band.ReadAsArray()
Traceback (most recent call last):
  File "<stdin>", line 1, in <module>
  File "C:\\Program Files\\QGIS Dufour\\apps\\Python27\\lib\\site-packages\\osgeo\\gdal.py", line 1026, in ReadAsArray
    import gdalnumeric
  File "C:\\Program Files\\QGIS Dufour\\apps\\Python27\\lib\\site-packages\\osgeo\\gdalnumeric.py", line 1, in <module>
    from gdal_array import *
  File "C:\\Program Files\\QGIS Dufour\\apps\\Python27\\lib\\site-packages\\osgeo\\gdal_array.py", line 26, in <module>
    _gdal_array = swig_import_helper()
  File "C:\\Program Files\\QGIS Dufour\\apps\\Python27\\lib\\site-packages\\osgeo\\gdal_array.py", line 18, in swig_import_helper
    import _gdal_array
ImportError: No module named _gdal_array
>>>
```

After a bit of investigation, it seems that various python modules are missing in the Win Standalone installer. The attached image illustrates that that in the lisboa installation (on the left) gdal_array (and other) libs are present, whilst in Dufour they are absent.

Note: This problem may be present with the 32bit version of the installer too, we have not tested it yet.

History

#1 - 2013-10-09 06:23 AM - Tim Sutton

For more information, see also the downstream ticket from InaSAFE: https://github.com/AIFDR/inasafe/issues/674

#2 - 2013-10-09 07:15 AM - Jürgen Fischer

Tim Sutton wrote:

> *For more information, see also the downstream ticket from InaSAFE: https://github.com/AIFDR/inasafe/issues/674*

Try the OSGe4W4 installer - the standalone installer is not current (see also http://trac.osgeo.org/osgeo4w/ticket/379)

#3 - 2013-10-10 01:38 PM - Tim Sutton

Hi

Yeah thanks we got it working with the OSGEO4W installer. It will be great to have those libs shipped with the standalone installer too.

Regards

Tim

#4 - 2013-10-21 08:35 AM - Jürgen Fischer

- Resolution set to fixed/implemented

- Status changed from Open to Closed

fixed in 2.0.1-3.

Files

liboa-vs-dufour.png	126 KB	2013-10-09	Tim Sutton