

QGIS Application - Bug report #2427

Can't build pyramids for IMG files

2010-02-09 11:32 AM - Alexander Bruy

Status:	Closed	
Priority:	Low	
Assignee:	ersts -	
Category:	Rasters	
Affected QGIS version:		Regression?: No
Operating System:	All	Easy fix?: No
Pull Request or Patch supplied:		Resolution: fixed
Crashes QGIS or corrupts data:		Copied to github as #: 12487
Description		
<p>Seems that QGIS can't build pyramids for the ERDAS IMAGINE (IMG) files, even if file don't have buildin pyramids. To reproduce:</p> <ol style="list-style-type: none">1. Open QGIS and load IMG file without internal and external pyramids2. Right click on raster layer and select Properties-Pyramids.3. Click on "Build pyramids" button. Nothing happens and no pyramids was builds <p>But with gdaladdo I can build pyramids on this files.</p>		

History

#1 - 2010-02-09 11:39 AM - Giovanni Manghi

Hi,

if you don't choose the pyramids resolution (up-right), then clicking the "build pyramid" button does nothing. Nevertheless if you choose at least one resolution then the button works, ans in the case of .img files a warning pops up

"Building pyramid overviews is not supported on this type of raster."

This is at least what happens with the .img raster you can find in the qgis sample dataset. Gdal tools also cannot create overviews for this particular file.

Did not tested gdal from the command line.

Closing?

#2 - 2010-02-09 12:14 PM - Alexander Bruy

I've test gdal from command line with landcover.img from the qgis sample dataset. Here is output of gdalinfo (no pyramids)

```
gdalinfo -nomd gis-samples/other/landcover.img
Driver: HFA/Erdas Imagine Images (.img)
Files: gis-samples/other/landcover.img
Size is 3663, 1964
....
Band 1 Block=64x64 Type=Byte, [[ColorInterp]]=Palette
```

Description = Layer_1
Color Table (RGB with 14 entries)

now build pyramids

```
gdaladdo -r average gis-samples/landcover.img 2 4 8 16 32  
0...10...20...30...40...50...60...70...80...90...100 - done.
```

and look with gdalinfo again

```
gdalinfo -nomd gis-samples/other/landcover.img  
Driver: HFA/Erdas Imagine Images (.img)  
Files: gis-samples/other/landcover.img  
Size is 3663, 1964  
....  
Band 1 Block=64x64 Type=Byte, [[ColorInterp]]=Palette  
Description = Layer_1  
Overviews: 1832x982, 916x491, 458x246, 229x123, 115x62  
Color Table (RGB with 14 entries)
```

Pyramids was build. When this raster loaded in QGIS in properties all this pyramids are shows as active.

#3 - 2010-02-09 12:18 PM - Giovanni Manghi

So there is a problem in the way that qgis handles .img files/gdal when it comes to create pyramids. And so does the gdal tools plugin.

You may want then to open a ticket also in the gdal tools trac.

#4 - 2011-04-16 10:12 AM - Maxim Dubinin

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

it works now.

[[WinXP]], commit:f42443c9 (SVN r15701)