

QGIS Application - Bug report #10578

ECW support disabled in QGIS server

2014-06-13 05:51 AM - Jonathan Gautron

Status: Closed	
Priority: Normal	
Assignee:	
Category: QGIS Server	
Affected QGIS version: 2.2.0	Regression?: No
Operating System:	Easy fix?: No
Pull Request or Patch supplied:	Resolution: wontfix
Crashes QGIS or corrupts data:	Copied to github as #: 18985

Description

I tried to display some raster layers (for basemap) with other vector layers but I only obtain a white background.

My situation :

I have one project (qjs file) containing all the layer i want to retrieve with this url :

localhost/qgis/qgis_mapserv.fcgi.exe?SERVICE=WMS&VERSION=1.3.0&SRS=EPSG:2154&REQUEST=GetMap&map=c:/myprojects/qgis/V3_dev.qgs&BBOX=320000,6300000,550000,6500000&WIDTH=1000&HEIGHT=1000&LAYERS=ORTHOPHOTO&FORMAT=image/png

ORTHOPHOTO is the group containing some raster layers : <http://nsa34.casimages.com/img/2014/06/12/140612095507246249.png>

But the only thing i got is a perfect white picture, no errors. There is no problem with Bbox or EPSG because i can easily display vector layer. I tested to directly select ortho1 (included in ORTHOPHOTO) but same result.

I'm quite puzzled because i read that since the 2.2 version of qgis, raster layer could be use in qgis server. Source (chapter Qgis Server) : http://docs.qgis.org/2.2/fr/docs/user_manual/preamble/whats_new.html

My configuration :

→ Windows 7 x64

→ Packages installed with OsGeo4w following this tuto : hub.qgis.org/projects/quantum-gis/wiki/QGIS_Server_Tutorial (qgis server / gdal / fcgid)

→ Apache 2.4.9 with "fcgid_module" (and "cgi_module" too)

→ The V3_dev OWS properties : nsa34.casimages.com/img/2014/06/12/140612102742321017.png

What i tried :

→ Some re-installation

→ With the GetCapabilities request i can see the group ORTHOPHOTO queryable.

→ Qgis server on a ubuntu VM but same result.

→ I read that someone have the same problem on CentOS. Source : www.forumsig.org/archive/index.php/t-38101.html

Bug or not ?

PS : Sorry for the french links

History

#1 - 2014-06-13 05:58 AM - Giovanni Manghi

Hi,

what is the CRS of your rasters? it is one of the CRSs that QGIS knows or is a custom one (added manually or automatically by QGIS)?

#2 - 2014-06-13 05:59 AM - Giovanni Manghi

- Status changed from Open to Feedback

#3 - 2014-06-13 06:21 AM - Jonathan Gautron

Hi Giovanni !

The CRS is : EPSG:2154 - RGF93 / Lambert-93 which is available in the list of CRS mundial list proposed by QGIS.

All layers (raster / vector) have the same CRS in the project.

#4 - 2014-06-13 07:00 AM - Giovanni Manghi

Jonathan Gautron wrote:

Hi Giovanni !

The CRS is : EPSG:2154 - RGF93 / Lambert-93 which is available in the list of CRS mundial list proposed by QGIS.

All layers (raster / vector) have the same CRS in the project.

please attach one of your rasters (or part of it, anyway something to replicate the issue). thanks!.

#5 - 2014-06-13 07:30 AM - Jonathan Gautron

- File SCREG_0340_6400_L93.ecw added

I attached one of the .ecw file i use. It is not one of the ORTHOPHOTO layer (i prefer not to link a 3Gb file) but i can't display this one neither with QGIS Server.

#6 - 2014-06-13 08:41 AM - Paolo Cavallini

ECW is not usable on servers unless you own a licence

#7 - 2014-06-13 09:25 AM - Giovanni Manghi

Jonathan Gautron wrote:

I attached one of the .ecw file i use. It is not one of the ORTHOPHOTO layer (i prefer not to link a 3Gb file) but i can't display this one neither with QGIS Server.

It seems really that you cannot use ECW:

I tested also with other samples (in other CRSs) and it does not work. Make a geotiff from the ecw and it works. I'm not sure how the driver is aware that you are using it with a server, but anyway Paolo is right.

You may want also to pay attention to other details:

- when loading your ecw in QGIS it loads with a custom CRS, not exactly with EPSG:2154. This caused me trouble in the past.
- when using qgis server on Windows when you specify the "?map=" parameter be sure to use forward and not backward slashes in the path

#8 - 2014-06-13 10:53 AM - Jürgen Fischer

mapserver is by default built with ECW support disabled. Disable MAPSERVER_SKIP_ECW in cmake if you have a ECW server license.

#9 - 2014-06-13 10:55 AM - Jürgen Fischer

Jürgen Fischer wrote:

mapserver is by default built with ECW support disabled. Disable MAPSERVER_SKIP_ECW in cmake if you have a ECW server license.

Sorry, only the debian and osgeo4w packages disable ECW by default.

#10 - 2014-06-20 09:01 AM - Jonathan Gautron

Thanks for all your answers.

Indeed, if i can't display ECW-raster layer with qgis-server is about a paid license : ERDAS ECW/JP2 SDK, that you can see here : download.intergraph.com/?ProductName=ERDAS%20ECW/JPEG2000%20SDK. This is license which allows you to add ECW support to your GDAL lib (it's called the "Server Read-Only End User" license).

You have to know that i haven't tested this solution because it's sounded too tedious for what i want (and secondarily i don't want to pay something without knowing if it will work).

So ! This is not the solution a choosed. I think you get that the problem is about ECW files and not about the entire rasters layers. Starting from here, i simply used a tif file instead of ecw as a raster and everything goes well !

Two solutions to get tif file :

-> you can convert ECW file into tif with QGIS Desktop (Menu -> Raster -> Conversion -> Convertir) : it's a very long process if you have a heavy ECW file. For example, it takes me 10mn to convert a 900Mo ECW to a 10GB tif

-> you can download tif map directly online (Example : professionnels.ign.fr/catalogue)

I realise i'm not so clear about the first point (about paid license etc). It's due to i don't really understand the whole thing...

If someone want to inquire i let you the links which helps me to understand the problem a little :

<http://www.forumsgis.org/showthread.php/37886-Probl%C3%A8mes-QGIS-Server>

<http://trac.osgeo.org/gdal/wiki/ECW>

<http://doc.ubuntu-fr.org/ggis>

Hope this will help some people.

Bye !

#11 - 2014-06-21 01:46 AM - Jürgen Fischer

- *Subject changed from QGIS Server : raster layer issue to ECW support disabled in QGIS server*
- *Status changed from Feedback to Closed*
- *Resolution set to invalid*

#12 - 2014-06-21 01:46 AM - Jürgen Fischer

- *Resolution changed from invalid to wontfix*

Files

SCREG_0340_6400_L93.ecw	933 KB	2014-06-13	Jonathan Gautron
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