

QGIS Application - Bug report #2020

QGIS 1.3.0 does not respect WMS scales

2009-10-17 07:50 AM - jrh -

Status: Closed	
Priority: Low	
Assignee: Marco Hugentobler	
Category: Web Services clients/WMS	
Affected QGIS version:	Regression?: No
Operating System: Linux	Easy fix?: No
Pull Request or Patch supplied:	Resolution: fixed
Crashes QGIS or corrupts data:	Copied to github as #: 12080
Description	
<p>Using a WMS with many layers (served by Mapserver 5.4.2), with a number of layers with scales defined with {MIN,MAX}SCALEDENOM values to control layer visibility I observe the following:</p> <ul style="list-style-type: none">- Using QGIS 1.0.2, the data is displayed as expected, e.g. layers are drawn respecting the current scale in QGIS, in accordance with the map {min,max}scaledenom definitions;- When using QGIS 1.3.0, the data is not drawn as expected, the zoomed out layers are drawn over the more detailed layers, regardless of the actual scale, making 1.3.0 un-suitable as a WMS viewer. <p>Unfortunately, 1.0.2 does not build in Ubuntu 9.10, so Karmic users lose the best Linux WMS client.</p> <p>-jh</p>	

Associated revisions

Revision c1864c65 - 2009-10-24 11:01 PM - Jürgen Fischer

fix #2020

git-svn-id: <http://svn.osgeo.org/qgis/trunk/qgis@11837> c8812cc2-4d05-0410-92ff-de0c093fc19c

Revision d8bc09cf - 2009-10-24 11:01 PM - Jürgen Fischer

fix #2020

git-svn-id: <http://svn.osgeo.org/qgis/trunk@11837> c8812cc2-4d05-0410-92ff-de0c093fc19c

History

#1 - 2009-10-17 08:15 AM - Jürgen Fischer

Replying to [jrh](#):

Using a WMS with many layers (served by Mapserver 5.4.2), with a number of layers with scales defined with {MIN,MAX}SCALEDENOM values to control layer visibility I observe the following:

I doubt that this is true. Are you sure you're using the same server with 1.0.2 and 1.3.0? QGIS doesn't know about those settings.

It just requests a bitmap with:

- number of layers using certain styles
- bounding box in a given coordinate system
- size (width&height in pixels)
- given format

mapserver needs to decide what's visible in the bounding box and on the layers.

#2 - 2009-10-17 09:18 AM - jrh -

I'm certainly no expert on Mapserver, so it is more than likely that the server is misconfigured and happens to work in QGIS 1.0.2, [\[\[OpenJump\]\]](#), UDig, but not in 1.3.0, so I'll have a further look at that. I also note that 1.3.0 passes the layers to the mapserver in the opposite order than 1.0.2 does, which in this case (layers are also ordered in the map file), may explain what's going on, if that's significant.

```
"GET /maps?map=/var/www/maps/osm-gshhs.map&SERVICE=WMS&VERSION=1.1.1&REQUEST=GetMap
&BBOX=-1.739979,50.833849,-1.440021,51.026151&SRS=EPSG:4326&WIDTH=1096&HEIGHT=70
3&LAYERS=countries%2Cgshhs_land%2Cgshhs_lake%2Cgshhs_isle%2Cgshhs_pond%2Clanduse
_layer1%2Clanduse_layer2%2Clanduse_layer3%2Clanduse_layer4%2Clanduse_layer5%2Clanduse_layer6%2C
railways%2Chighways-far%2Chighways-close%2Cpedestrian_hack%2Caeroways%2Ctram%2Cbuilding%2Csports%2Cbridges%2Coneways%2Cvilles&STYLES=%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C&FORMAT=image/png&TRANSPARENT=TRUE HTTP/1.1"
200 432486 "-" "Quantum GIS - 1.0.2-Kore"
```

"GET

```
/maps?map=/var/www/maps/osm-gshhs.map&SERVICE=WMS&VERSION=1.1.1&REQUEST=GetMap&BBOX=-1.677925,50.833438,-1.382075,51.026562&
562&SRS=EPSG:4326&WIDTH=1081&HEIGHT=705&LAYERS=villes%2Coneways%2Cbridges%2Csports%2Cbuilding%2Ctram%2Caeroways%2Cpedestrian_
pedestrian_hack%2Chighways-close%2Chighways-far%2Crailways%2Clanduse_layer6%2Clanduse_layer5%2Clanduse_layer4%2Clanduse_layer3%2Clanduse_la
nduse_layer2%2Clanduse_layer1%2Cgshhs_pond%2Cgshhs_isle%2Cgshhs_lake%2Cgshhs_land%2Ccountries&STYLES=%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C%2C&FORMAT=image/png&DPI=96&TRANSPARENT=TRUE HTTP/1.1" 200
76055 "-" "Quantum GIS - 1.3.0-Mimas"
```

Thanks

#3 - 2009-10-17 09:33 AM - Jürgen Fischer

Replying to [\[comment:2 jrh\]](#):

I'm certainly no expert on Mapserver, so it is more than likely that the server is misconfigured and happens to work in QGIS 1.0.2, [\[\[OpenJump\]\]](#), UDig, but not in 1.3.0, so I'll have a further look at that. I also note that 1.3.0 passes the layers to the mapserver in the opposite order than 1.0.2 does, which in this case (layers are also ordered in the map file), may explain what's going on, if that's significant.

You can reorder the layers in the second tab (I think that was introduced in 1.3). Looks like the layers are in reverse selection order by default.

#4 - 2009-10-17 09:47 AM - jrh -

Replying to [\[comment:3 jef\]](#):

You can reorder the layers in the second tab (I think that was introduced in 1.3). Looks like the layers are in reverse selection order by default.

Even easier is to click on the 'Id' tab in the Add Layer window. However, it would be easier if the dialogue worked like 1.0.2 and retained the MS provider order rather than inverting it. But I now know how to make it work like 1.0.2. Thanks for the pointers. Priority amended accordingly, please drop if you see fit.

-jh

#5 - 2009-10-24 02:02 PM - Jürgen Fischer

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

fixed in commit:d8bc09cf (SVN r11838)