

## QGIS Application - Bug report #12610

### QGIS not showing WMS legend while LegendURL is present

2015-04-20 06:51 AM - Kay Warrie

<b>Status:</b> Closed	
<b>Priority:</b> Normal	
<b>Assignee:</b>	
<b>Category:</b> Web Services clients/WMS	
<b>Affected QGIS version:</b> 2.8.1	<b>Regression?:</b> No
<b>Operating System:</b>	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>	<b>Resolution:</b> fixed/implemented
<b>Crashes QGIS or corrupts data:</b>	<b>Copied to github as #:</b> 20729
<b>Description</b>	
<p>I'am reporting on issue my customer, the Flemish government has reported.</p> <p>In all of our wms-services, we define a WMS-legend url inside the /WMS_Capabilities/Capability/Layer/Style/LegendURL tag. But these aren't shown in the table of contents in QGIS.</p> <p>For example the wms: <a href="http://geo.agiv.be/ogc/wms/product/INBO?SERVICE=WMS&amp;#38;VERSION=1.3.0&amp;#38;request=GetCapabilities">http://geo.agiv.be/ogc/wms/product/INBO?SERVICE=WMS&amp;#38;VERSION=1.3.0&amp;#38;request=GetCapabilities</a></p> <p>For the layer BWK1Zone the legend url is defined as: <a href="http://geo.agiv.be/ogc/wms/product/INBO?request=GetLegendGraphic%26version=1.3.0%26format=image/png%26layer=BWK1Zone">http://geo.agiv.be/ogc/wms/product/INBO?request=GetLegendGraphic%26version=1.3.0%26format=image/png%26layer=BWK1Zone</a></p> <p>--&gt; works fine in openlayers and other gis-applications, but not in QGIS.</p> <p>For wms-services of the Brussels Government these Legends are shown: <a href="http://wms.ibgebim.be/cgi-bin/ibgewms.exe?SERVICE=WMS&amp;#38;VERSION=1.3.0&amp;#38;request=GetCapabilities">http://wms.ibgebim.be/cgi-bin/ibgewms.exe?SERVICE=WMS&amp;#38;VERSION=1.3.0&amp;#38;request=GetCapabilities</a></p> <p>For the layer bruenvi_natura_2000_buffer the legend url is defined as: <a href="http://wms.ibgebim.be/ibgewms?sld_version=1.1.0&amp;#38;version=1.3.0&amp;#38;service=WMS&amp;#38;request=GetLegendGraphic&amp;#38;format=image/png&amp;#38;layer=bruenvi_natura_2000_buffer">http://wms.ibgebim.be/ibgewms?sld_version=1.1.0&amp;#38;version=1.3.0&amp;#38;service=WMS&amp;#38;request=GetLegendGraphic&amp;#38;format=image/png&amp;#38;layer=bruenvi_natura_2000_buffer</a></p> <p>--&gt; works in openlayers and QGIS.</p> <p>Is this a Bug in QGIS?</p> <p>The original question to me in dutch is added as a attachment.</p>	

#### History

##### #1 - 2015-04-28 08:10 AM - Filip Mahieu

- File *LegendError.png* added

We do have a similar error here. When loading the WMS

url=<http://wms.agiv.be/ogc/wms/omkl&layers=Ortho&format=image/png&styles=default&crs=EPSG:31370> by means of that discribed plugin, we get the error 'Returned legend image is flawed', see attachment.

When then using this layer in a composer, Qgis blocks. So this really an issue i think!

Thanks for looking at this!

##### #2 - 2015-04-28 08:20 AM - Filip Mahieu

- File *LegendError2Composer.png* added

More specific: QGis blocks when effectively adding the legend in the composer. You see in attachment what you get after adding the legend in the composer. you don't get a legend at all, it's rather blank, but there is space.  
Then you can't do anything anymore but closing the composer and then Qgis.

**#3 - 2015-05-07 01:36 AM - Giovanni Manghi**

- Target version changed from Version 2.8 to Version 2.8.2
- Operating System deleted (all)

**#4 - 2015-05-14 03:03 AM - Giovanni Manghi**

- Target version changed from Version 2.8.2 to Version 2.10

**#5 - 2015-07-24 04:40 AM - Filip Mahieu**

- Assignee set to Nyll Dawson

Does this issue have a relation with solved #12234?

**#6 - 2015-07-24 02:32 PM - Nyll Dawson**

- Assignee deleted (Nyll Dawson)

This issue seems to consist of two separate issues. The second (composer hang) is fixed in 2.10 and will be in 2.8.3, not sure if the first is fixed (not showing legend).

**#7 - 2015-08-14 01:07 AM - Filip Mahieu**

Nyll Dawson wrote:

*This issue seems to consist of two separate issues. The second (composer hang) is fixed in 2.10 and will be in 2.8.3, not sure if the first is fixed (not showing legend).*

Indeed, the 'composer hang' is fixed in 2.8.3. But there's still no legend.

**#8 - 2015-10-14 12:58 AM - Henrik Uggla**

If I give a layer a (external) legendURL and do GetCapabilities I get:

```
<Style>
<Name>default</Name>
<Title>default</Title>
<LegendURL>
<Format>image/png</Format>
<OnlineResource xmlns:xlink="http://www.w3.org/1999/xlink" xlink:type="simple" xlink:href="http://www.osgeo.org/sites/all/themes/osgeo/logo.png"/>
</LegendURL>
</Style>
```

Which is correct. But when I do GetLegendGraphic I get a simple marker instead. Is this the same bug or should I open a new one (for Qgis Server)?

Qgis Server 2.8.2 on Ubuntu 14.4

Nevermind, I've opened a new bug: 13595

**#9 - 2015-11-07 11:26 AM - Giovanni Manghi**

- *Target version deleted (Version 2.10)*

**#10 - 2016-04-08 02:21 AM - Patrick Valsecchi**

I'm not sure QGIS is doing anything wrong, there. The URL given for BWK1Zone is clearly wrong. It has only one parameter named request and it has this value: GetLegendGraphic%26version=1.3.0%26format=image/png%26layer=BWK1Zone

If you look at the URL given for layer bruenvi\_natura\_2000\_buffer, it has 7 parameters and they are all good.

This is due of the wrongfull replacement of the "&" by "%26" in the URLs in the first case.

**#11 - 2016-07-01 05:05 AM - johan sanders**

legend is displayed in qgis version 2.15.0 revision 600ff4f !

in qgis version 2.14.3 it is not displayed !

**#12 - 2016-07-20 08:24 AM - Giovanni Manghi**

- *Status changed from Open to Feedback*

How is the situation in 2.16? it could have been solved and today also backported to 2.14.

**#13 - 2016-08-22 05:37 AM - Stefan Blumentrath**

In 2.16.1 on OSGeo4W (64bit)

<http://wms.reindrift.no/> does not show a legend either.

It says: "Error downloading <http://wms.reindrift.no/?language=nor&#38;version=1.>"

While it should show e.g. this:

[http://wms.reindrift.no/?sld\\_version=1.1.0&#38;version=1.3.0&#38;service=WMS&#38;request=GetLegendGraphic&#38;format=image/png&#38;layer=EINDRIFT](http://wms.reindrift.no/?sld_version=1.1.0&#38;version=1.3.0&#38;service=WMS&#38;request=GetLegendGraphic&#38;format=image/png&#38;layer=EINDRIFT)

The server behind the WMS is Mapserver 7.0.1.

**#14 - 2016-10-17 03:48 AM - Filip Mahieu**

As I can see, in QGIS 2.14.7 it is resolved using the WMS Kay Warrie gave. I use a lot of WMS'es from the Flemish Government and they now all seem fine.

For my part, the issue can be closed.

**#15 - 2017-01-02 06:39 AM - Giovanni Manghi**

- Status changed from *Feedback* to *Closed*

- Resolution set to *fixed/implemented*

**Files**

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Vraag_ivm_QGIS.pdf	353 KB	2015-04-20	Kay Warrie
LegendError.png	347 KB	2015-04-28	Filip Mahieu
LegendError2Composer.png	200 KB	2015-04-28	Filip Mahieu