

QGIS Application - Bug report #15258

WMS/WMTS don't like special character in requests by 2.16 Nødebo

2016-07-11 09:27 AM - Klas Karlsson

Status: Closed	
Priority: Severe/Regression	
Assignee:	
Category: Web Services clients/WMS	
Affected QGIS version: 2.16.1	Regression?: No
Operating System:	Easy fix?: No
Pull Request or Patch supplied:	Resolution:
Crashes QGIS or corrupts data:	Copied to github as #: 23194
Description	
I have a WMTS service I use to connect to in QGIS, but after update to 2.16 this service does not work.	
Attached is XML for the connection.	

Associated revisions

Revision bce5ed52 - 2016-08-15 06:24 PM - Jürgen Fischer

exclude release name from version string (fixes #15258)

(cherry picked from commit 1391aad2f713a796b0ac3d0c22bec6c1c7ada3bb)

History

#1 - 2016-07-11 11:39 PM - Klas Karlsson

I've tried with multiple Linux (Ubuntu) versions with same result.

The only Windows 10 computer I've tried will add the layer, but will give a lot of errors after a few zoom/pan operations.

The layer works fine on 2.14.4 LTR!

#2 - 2016-07-12 02:16 AM - Klas Karlsson

Now I've tried a few other WMTS services and most seem to work so, what has changed in 2.16 that makes my particular layer stop working?

Working: http://opencache.statkart.no/gatekeeper/gk/gk.open_wmts?Version=1.0.0&service=wmts&request=getcapabilities

Not working:

<https://api.lantmateriet.se/open/topowebb-ccby/v1/wmts/token/b33b7fec47e14eb6e02539ad1a24cae2/?service=wmts&request=getcapabilities>

Is it the https?

#3 - 2016-07-12 03:51 AM - Giovanni Manghi

- Category set to Web Services clients/WMS

- Priority changed from Normal to Severe/Regression

#4 - 2016-07-12 03:55 AM - Giovanni Manghi

- Affected QGIS version changed from master to 2.16.0

#5 - 2016-07-13 01:54 AM - Klas Karlsson

I have installed QGIS 2.17 (master) on a clean Xubuntu VM and the WMTS works great (can not trace any fix though)!

"Purging" the install and re-installing 2.16 will enable the service to some extent, but the problem resembles Windows behavior where "tileRequest" is invalid resulting in white tiles.

#6 - 2016-07-13 02:38 AM - Giovanni Manghi

- Status changed from Open to Feedback

Have you tried to clear the cache in the QGIS general options?

#7 - 2016-07-13 03:01 AM - Klas Karlsson

No change after cleared cache. It is still impossible to add my WMTS layer in QGIS 2.16.

I haven't gone through the process of updating to master, purging, reinstalling, though. Shouldn't be necessary.

Something tells me any shown tiles will be blank too, if the cache is cleared.

New info though: A clean 2.16 install on Windows gives the same problem as on Linux, the WMTS layer can not be added (no cache I guess).

#8 - 2016-07-13 03:32 AM - Klas Karlsson

Went back to Windows computer with "semi working" WMTS and cleared cache... Now it is not accepting the WMTS from "Lantmäteriet" at all.

Still, the Norwegian WMTS works... And as far as I can see the only difference is "https" in the Swedish service.

Can I collect some logs somehow to find a possible solution?

#9 - 2016-07-13 03:55 AM - Giovanni Manghi

- Status changed from Feedback to Open

#10 - 2016-07-29 02:13 AM - Mattias Spangmyr

- File fiddler_output.png added

I also experienced this issue with the same WMS source as Klas Karlsson, also only on 2.16.0.

When comparing the GetCapabilities-requests between 2.16.0 and 2.14.4 with Fiddler the only difference I found was the "User-Agent" in the HTTP header. In 2.14.4 it's given as "Mozilla/5.0 QGIS/2.14.4-Essen" while in the new version it's "Mozilla/5.0 QGIS/2.16.0-Nødebo".

If I "fiddle" with the request and change the header's User-Agent to "Mozilla/5.0 QGIS/2.16.0-Nodebo" the request is accepted with the expected response.

My guess is that the WMS provider in this case does not allow exotic characters in the HTTP header. This would explain why the same WMS suddenly

works again in 2.17 with no apparent fixes.

#11 - 2016-08-01 01:31 AM - Klas Karlsson

Tested again with QGIS 2.16.1 and to my surprise: Still not working!

I tested it in QGIS Master last week and it did work there.

#12 - 2016-08-15 07:26 AM - Anita Graser

- Affected QGIS version changed from 2.16.0 to 2.16.1
- Operating System deleted (Ubuntu Linux)
- OS version deleted (16.04)

Confirmed on Windows with 2.16.1

This one doesn't work <http://services.cuzk.cz/wms/local-km-wms.asp>

This one works <http://data.wien.gv.at/daten/geo?version=1.3.0>

#13 - 2016-08-15 07:41 AM - Anita Graser

- Subject changed from WMTS layer not working in 2.16 to WMS/WMTS don't like special character in requests by 2.16 Nødebo

#14 - 2016-08-15 09:25 AM - Jürgen Fischer

- Status changed from Open to Closed

Fixed in changeset commit:"bce5ed52a8554a385805a6c23d07cecf1ea0b4b".

Files

Im.xml	434 Bytes	2016-07-11	Klas Karlsson
fiddler_output.png	37.2 KB	2016-07-29	Mattias Spangmyr