

QGIS Application - Bug report #16427

WMTS rendering problems in 2.18 and Master

2017-04-08 02:56 AM - Tudor Bărăscu

Status:	Closed	
Priority:	High	
Assignee:	Alessandro Pasotti	
Category:	Web Services clients/WMS	
Affected QGIS version:	2.18.11	Regression?: Yes
Operating System:	Debian Stretch	Easy fix?: No
Pull Request or Patch applied:	Yes	Resolution:
Crashes QGIS or corrupts data:	No	Copied to github as #: 24336
Description I've encountered WMTS rendering problems on Master commit:61137dc8bf7bc7d8a5e7401442e2af6bd88c19e0 . Basically, I often don't see any rendered image. On 2.18.6 and 2.14.13 it works flawlessly. How to replicate: Add any layer (e.g. Ortofoto2015) from https://gis.apavil.ro/cache/ortofoto/wmts/1.0.0/WMTSCapabilities.xml (user: qgis password qgis) Panning and zooming in/out will immediately show the issue.		
Related issues: Related to QGIS Application - Bug report # 16267: Printing Pdf's that have WM... <div>Closed2017-03-02</div>		

Associated revisions

Revision d102404b - 2017-10-03 03:20 PM - Alessandro Pasotti

[bugfix] Do not cache invalid WMS responses

The problem here was that in case of http->https redirect from a misconfigured server (that advertizes http and then redirects all request to https) all http redirect requests were cached, making all subsequent requests to the same url hit the 301 Moved Permanently reponse page instead of the redirected content.

Fixes #16427 WMTS rendering problems in 2.18 and Master

Revision b09fb37d - 2017-10-04 04:05 PM - Alessandro Pasotti

[bugfix] Do not cache invalid WMS responses

The problem here was that in case of http->https redirect from a misconfigured server (that advertizes http and then redirects all request to https) all http redirect requests were cached, making all subsequent requests to the same url hit the 301 Moved Permanently reponse page instead of the redirected content.

Fixes #16427 WMTS rendering problems in 2.18 and Master

History

#1 - 2017-05-01 01:01 AM - Giovanni Manghi

- Easy fix? set to No
- Regression? set to No

#2 - 2017-05-19 07:01 AM - Tudor Bărăscu

Actually I can replicate also under 2.18.7. It doesn't pop up as often as in master though.
If I add the of2015 layer and go to 1:3018 scale and pan, the issue pops up.

See also #16267

#3 - 2017-05-19 09:03 AM - Jürgen Fischer

- Related to Bug report #16267: Printing Pdf's that have WMTS layers problems added

#4 - 2017-07-02 09:14 AM - Tudor Bărăscu

Still present in 2.18.10 and Master.

At least for 2.18, the bug appears at my screens max resolution: 2560x1600 (Macbook Pro 13.3)
For a lower resolution (1920x1200) I cannot replicate.

#5 - 2017-07-03 12:43 AM - Giovanni Manghi

- Status changed from Open to Feedback
- Description updated

Tudor Bărăscu wrote:

Still present in 2.18.10 and Master.

At least for 2.18, the bug appears at my screens max resolution: 2560x1600 (Macbook Pro 13.3)

For a lower resolution (1920x1200) I cannot replicate.

Hi Tudor!

it is a regression, correct? On On 2.18.6 and 2.14.13 it worked also at 2560x1600?

#6 - 2017-07-03 08:01 AM - Tudor Bărăscu

For 2.14 it works flawlessly. Only Master and 2.18 are affected.

For 2.18 the problem started with the commit:f5b657db19eda7e72e6ed34eb7fe333c156acad0.

Yes, it's a regression.

#7 - 2017-07-05 02:25 PM - Giovanni Manghi

- Regression? changed from No to Yes
- Priority changed from Normal to High
- Affected QGIS version changed from master to 2.18.10
- Status changed from Feedback to Open

#8 - 2017-07-06 02:49 PM - Giovanni Manghi

- Subject changed from WMTS rendering problems in Master to WMTS rendering problems in 2.18 and Master

#9 - 2017-07-25 07:44 PM - Giovanni Manghi

- Affected QGIS version changed from 2.18.10 to 2.18.11

#10 - 2017-09-28 03:55 PM - Alessandro Pasotti

- Assignee set to Alessandro Pasotti

#11 - 2017-10-03 01:45 PM - Alessandro Pasotti

@Tudor: just to remove one possible cause, would you be able to test this by temporarily disabling HTTPS?

The getcapabilities returns plain http addresses and all request gets redirected to https, I'm observing wierd caching issues and I'd like to confirm that this might be the cause of this issue.

#12 - 2017-10-03 03:31 PM - Alessandro Pasotti

- Pull Request or Patch supplied changed from No to Yes

For master: <https://github.com/qgis/QGIS/pull/5289>

Needs backporting to 2.18

#13 - 2017-10-03 05:58 PM - Anonymous

- Status changed from Open to Closed
- % Done changed from 0 to 100

Applied in changeset commit:qgis|d102404b5e6796727c0ae0c983cf016ab33ff27a.

#14 - 2017-10-04 01:56 PM - Tudor Bărbăscu

@Alessandro I could have swore that the GetCapabilities were returning the https part and that I had fixed this issue last year.

I have created <http://mp.qtibia.ro/ortofoto/wmts/1.0.0/WMTSCapabilities.xml> pointing to the same mapproxy server working on http and https but without redirect so you can test.

#15 - 2017-10-04 01:58 PM - Alessandro Pasotti

Thanks, but I think it's fixed, I still need to backport it to 2.18.

#16 - 2017-10-04 10:26 PM - Tudor Bărbăscu

Thanks a lot for your work Alessandro!

#17 - 2017-10-24 09:16 PM - Jürgen Fischer

- *Description updated*