QGIS Application - Bug report #8401
QGIS not able to access WMTS (GeoServer specific?)

2013-08-02 05:30 AM - Jonathan Moules

Status:	Closed			
Priority:	Normal			
Assignee:				
Category:				
Affected QGIS version:	master	**Regression?:**	No	
Operating System:		**Easy fix?:**	No	
Pull Request or Patch supplied:	No	**Resolution:**	fixed/implemented	
Crashes QGIS or corrupts data:	No	**Copied to github as #:**	17173	

Description

QGIS can't seem to access my WMTS (GeoServer 2.3.4). I can see it has made the request in the access logs, and the same URL works fine in the browser (and ArcMap can access it fine too), so I'm concluding it's a QGIS issue.

When I click "connect" it swaps to the "server search" tab. But there's nothing listed. I didn't tick any of the boxes for the connection.

My GeoServer isn't publicly available (security approval required - ongoing). I can't get my QGIS to access the internet either (it doesn't like our proxy) so can't test other WMTS'.

Attached is the GetCapabilities.

Associated revisions

Revision c321f597 - 2013-11-25 06:20 PM - Jürgen Fischer

wmts: add a default style entry if the server doesn't provide any (fixes #8401)

History

#1 - 2013-08-08 01:42 AM - Jonathan Moules

Turns out this is different to #8406

Further to that bug report I've expanded the URL but it hasn't fixed the issue.
This URL works fine in the browser and returns the previously attached file.

http://wppgeog3:8082/geoserver/gwc/service/wmts?SERVICE=WMTS&REQUEST=GetCapabilities

#2 - 2013-11-15 08:09 AM - Moreno Comelli

Found the same problem (QGIS 2.1 on WinXP 64): WMTS provided by default Mapcache 'demo' page works on QGIS 1.8 and 2.0, not on master version. The map extension is correct, but the WMS log reports 'image is NULL' and:

Download of GetLegendGraphic failed: Error downloading
http://192.168.122.128/mapcache/?SERVICE=WMS&VERSION=1.1.1&SLD_VERSION=1.1.0&REQUEST=GetLegendGraphic&LAYR=test&STYLE=default&SCALE=235105735.596957&FORMAT=image/png - server replied: Method Not Implemented

#3 - 2013-11-15 08:15 AM - Richard Duivenvoorde

#9066 has a public url to test

#4 - 2013-11-15 08:34 AM - Jürgen Fischer

- Resolution set to fixed/implemented

- Status changed from Open to Closed

fixed in commit:836e1a8

#5 - 2013-11-15 08:36 AM - Jürgen Fischer

Jürgen Fischer wrote:

> *fixed in commit:836e1a8*

Um, might actually be something different. That fixes the problems after GetLegendGraphic failed. Feel free to reopen.

#6 - 2013-11-25 08:35 AM - Jonathan Moules

- Status changed from Closed to Reopened

Would this be in the build weekly QGIS-OSGeo4W-2.1.0-46-Setup-x86_64.exe - 18-Nov-2013 20:22 - number e882e47 from -
http://qgis.org/downloads/weekly/?

Because if it is, this bug isn't fixed - I'm still getting the exact same behaviour.

#7 - 2013-11-25 08:37 AM - Jonathan Moules

You can test with - http://maps.warwickshire.gov.uk/gs/gwc/service/wmts?REQUEST=GetCapabilities

#8 - 2013-11-25 09:20 AM - Jürgen Fischer

- Status changed from Reopened to Closed

Fixed in changeset commit:"c321f597fd814f963cc55ec3edfbe708fcf37a45".

#9 - 2013-11-25 09:41 AM - Jonathan Moules

Thanks! I guess that'll be in tonight's weekly build?

#10 - 2013-11-25 09:59 AM - Richard Duivenvoorde

Hi Jonathan, looking into the fix of jurgen, it seems there is was a missing default style.

So I thought to check the validity of the capabilities (using xmllint) and as you can see below it is just not valid against it's schema (it is missing a Style

element :-))

So maybe try to create a style for that layer (maybe that helps)? Or otherwise issue a bug against the software (Geowebcache/Geoserver?)?

If I take one of the national dutch wmts services (also running geowebcache I think...), these are validating:
http://geodata.nationaalgeoregister.nl/tiles/service/wmts/aan?VERSION=1.0.0&request=GetCapabilities

Below the command for the validation of your service:

richard@kwik:/tmp$ xmllint --noout --schema http://schemas.opengis.net/wmts/1.0/wmtsGetCapabilities_response.xsd wmts-getcapabilities.xml
wmts-getcapabilities.xml:60: element Format: Schemas validity error : Element '{http://www.opengis.net/wmts/1.0}Format': This element is not expected. Expected is one of ({http://www.opengis.net/ows/1.1}BoundingBox, {http://www.opengis.net/ows/1.1}WGS84BoundingBox, {http://www.opengis.net/ows/1.1}Metadata, {http://www.opengis.net/ows/1.1}DatasetDescriptionSummary, {http://www.opengis.net/wmts/1.0}Layer, {http://www.opengis.net/wmts/1.0}Style).
wmts-getcapabilities.xml:185: element Format: Schemas validity error : Element '{http://www.opengis.net/wmts/1.0}Format': This element is not expected. Expected is one of ({http://www.opengis.net/ows/1.1}BoundingBox, {http://www.opengis.net/ows/1.1}WGS84BoundingBox, {http://www.opengis.net/ows/1.1}Metadata, {http://www.opengis.net/ows/1.1}DatasetDescriptionSummary, {http://www.opengis.net/wmts/1.0}Layer, {http://www.opengis.net/wmts/1.0}Style).
wmts-getcapabilities.xml:306: element Format: Schemas validity error : Element '{http://www.opengis.net/wmts/1.0}Format': This element is not expected. Expected is one of ({http://www.opengis.net/ows/1.1}BoundingBox, {http://www.opengis.net/ows/1.1}WGS84BoundingBox, {http://www.opengis.net/ows/1.1}Metadata, {http://www.opengis.net/ows/1.1}DatasetDescriptionSummary, {http://www.opengis.net/wmts/1.0}Layer, {http://www.opengis.net/wmts/1.0}Style).

#11 - 2013-11-26 03:14 AM - Jonathan Moules

That's fixed it.
And wow, this is awesome. Compare it to the ArcGIS WMTS implementation which is utterly awful and totally unusable. Go QGIS! :-)

Oh, and GeoServer ticket opened and acknowledged as a bug - https://jira.codehaus.org/browse/GEOS-6190

Files

wmts-getcapabilities.xml	59.1 KB	2013-08-02	Jonathan Moules