

QGIS Application - Bug report #14398

QGIS does not connect if URL domain name has > 4 subdomains

2016-03-01 02:06 PM - greg ederer

Status:	Closed		
Priority:	Normal		
Assignee:			
Category:	Unknown		
Affected QGIS version:	2.8.4	Regression?:	No
Operating System:	OSX	Easy fix?:	No
Pull Request or Patch supplied:	No	Resolution:	invalid
Crashes QGIS or corrupts data:	No	Copied to github as #:	22379
Description			
<p>The following URL does not work in QGIS:</p> <p>https://firms2.modaps.eosdis.nasa.gov/wms/getcapabilities.xml</p> <p>QGIS responds that it cannot connect.</p> <p>I moved the getcapabilities.xml file to a host with fewer subdomains in its name, and QGIS is able to connect and read the exact same file:</p> <p>https://ladsweb.nascom.nasa.gov/wms/getcapabilities.xml</p> <p>Firefox can connect to, read from, and display the content from both domains.</p> <p>QGIS version 2.8.4-Wien QGIS code revision exported Compiled against Qt 4.8.6 Running against Qt 4.8.6 Compiled against GDAL/OGR 1.11.3 Running against GDAL/OGR 1.11.3 Compiled against GEOS 3.5.0-CAPI-1.9.0 Running against GEOS 3.4.2-CAPI-1.8.2 r3921 PostgreSQL Client Version 9.4.4 Spatialite Version 4.3.0a QWT Version 6.0.2 PROJ.4 Version 492 QScintilla2 Version 2.9</p>			
Related issues:			
Related to QGIS Application - Bug report # 14399: QGIS cannot connect to URL ...		Closed	2016-03-01

History

- #1 - 2016-03-01 02:14 PM - Jürgen Fischer
- Status changed from Open to Feedback
 - Priority changed from Severe/Regression to Normal

Does that also happen with a current version (2.8.7, 2.14 or master)? It's not reproducible here with master at least.

#2 - 2016-03-01 02:39 PM - greg ederer

Not sure. I will have to build newer version. User reported this bug to our User Support team when trying to access our WMS site. I downloaded "long term supported" QGIS MAC version and installed, and that had the same issue as reported by our user and that I reported above.

#3 - 2016-03-01 02:57 PM - Jürgen Fischer

- Operating System set to OSX

#4 - 2016-03-04 09:39 AM - greg ederer

User reported using QGIS version "2.12 and about to update to 2.14"

#5 - 2016-03-07 02:44 AM - Jukka Rahkonen

I may be wrong but I suppose that QGIS is planned to work according to WMS standard and it tries to read the GetCapabilities document by firing a WMS GetCapabilities request to a given base URL. So instead of reading the static document

<https://ladsweb.nascom.nasa.gov/wms/getcapabilities.xml>

QGIS is probably using that address as a base URL and adds the normal WMS parameters for building a request

<https://ladsweb.nascom.nasa.gov/wms/getcapabilities.xml?service=WMS&request=GetCapabilities>

It is also a bit difficult to test <https://firms2.modaps.eosdis.nasa.gov/wms> with some other GIS software because the certificate from Entrust, Inc. is not trusted by Java

javax.net.ssl.SSLHandshakeException: sun.security.validator.ValidatorException: PKIX path building failed:

sun.security.provider.certpath.SunCertPathBuilderException: unable to find valid certification path to requested target

This request does return GetCapabilities on browser but it is still the same copy from the MapServer demo service

<https://firms2.modaps.eosdis.nasa.gov/wms?service=WMS&request=GetCapabilities>

#6 - 2016-03-07 03:40 AM - Jürgen Fischer

- Status changed from Feedback to Closed

- Resolution set to invalid

Jukka Rahkonen wrote:

I may be wrong but I suppose that QGIS is planned to work according to WMS standard and it tries to read the GetCapabilities document by firing a WMS GetCapabilities request to a given base URL. So instead of reading the static document

<https://ladsweb.nascom.nasa.gov/wms/getcapabilities.xml>

QGIS is probably using that address as a base URL and adds the normal WMS parameters for building a request

<https://ladsweb.nascom.nasa.gov/wms/getcapabilities.xml?service=WMS&request=GetCapabilities>

Appending parameters to the url also retrieves the static document. Whether it can GetMap requests work later afterwards depends on whether or not "IgnoreGetMapUrl" is on or off in the connection. If it's on it will also try to use that url for GetMap requests and that'll fail - because the service is actually at demo.mapserver.org. Not sure why this static document is necessary. Accessing demo.mapserver.org direct should also work fine (even when "IgnoreGetMapUrl" is on).

#7 - 2017-09-22 10:05 AM - Jürgen Fischer

- Category set to Unknown