QGIS Application - Bug report #16173
QGIS WFS client not using urls from capabilities document

2017-02-10 01:55 AM - Darren Carman

Status:	Closed			
Priority:	Normal			
Assignee:				
Category:	Web Services clients/WFS			
Affected QGIS version:	2.14.5	**Regression?:**	No	
Operating System:	XUbuntu	**Easy fix?:**	No	
Pull Request or Patch supplied:	No	**Resolution:**	duplicate	
Crashes QGIS or corrupts data:	No	**Copied to github as #:**	24083	

Description

The url I add for the WFS service works fine for getting the capabilities and is a proxy, e.g. http://www.originalurl.com/wfs?...

The capabilities sent back has different urls for each request type, e.g.
<ows:Operation name="DescribeFeatureType">
<ows:DCP>
<ows:HTTP>
<ows:Get xlink:type="simple" xlink:href="http://www.anotherurl.com/wfs?...&"/>
<ows:Post xlink:type="simple" xlink:href="http://www.anotherurl.com/wfs?...&"/>
</ows:HTTP>
</ows:DCP>
<ows:Parameter name="outputFormat">
<ows:Value>XMLSCHEMA</ows:Value>
<ows:Value>text/xml; subtype=gml/2.1.2</ows:Value>
<ows:Value>text/xml; subtype=gml/3.1.1</ows:Value>
</ows:Parameter>
</ows:Operation>

Unfortunately these urls appear to be being ignored and the original url is still being used for all following request types (DescribeFeatureType, GetFeature,etc).

What I want is for the GetCapabilities to go through the proxy and all other requests to go direct to the server direct. This should be possible if the urls in the capabilities document are used.

WMS works correctly using the urls supplied in the capabilities (GetFeatureInfo, GetMap, etc).

I am using QGIS 2.14.5-Essen 64bit on XUbuntu 16.10.

History

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

- Easy fix? set to No

- Regression? set to No

#2 - 2017-11-13 06:34 PM - Even Rouault

- Status changed from Open to Feedback

- Description updated

Could you point to such a server ?

#3 - 2017-11-14 02:37 PM - Darren Carman

For WFS try:

http://environment.data.gov.uk/ds/wfs?SERVICE=WFS&INTERFACE=ENVIRONMENTWFS&VERSION=2.0.0&LC=40000000

Running

http://environment.data.gov.uk/ds/wfs?SERVICE=WFS&INTERFACE=ENVIRONMENTWFS&VERSION=2.0.0&LC=40000000&REQUEST=GetCapabilities in a browser you can hopefully see that different urls are shown for DescribeFeatureType, GetFeature, etc.

From our logs we can see that when using QGIS these urls are not used, instead the http://environment.data.gov.uk/ds/wfs url is always used.

For WMS (which works correctly) try:

http://environment.data.gov.uk/ds/wms?SERVICE=WMS&INTERFACE=ENVIRONMENT&LC=20000000

The urls returned in the capabilities document are used by QGIS for follow on calls (e.g. GetMap).

#4 - 2018-05-31 04:36 PM - Even Rouault

- Resolution set to duplicate

Support for this has been added a few months ago per the following commit. I've verified this worked with the above mentionned endpoint

commit f1b59876344bf0c0f066c81bf8ef73ef25365023

Author: Alessandro Pasotti <elpaso@itopen.it>

Date: Wed Feb 21 15:25:21 2018 +0100

    [bugfix] Support Distributed Computing Platform (DCP) for WFS

    Implement the possibility to specify different endpoints

      for different WFS operations.

    With tests.

    Fixes #18099 WFS Capabilities handling problem

#5 - 2018-05-31 04:38 PM - Even Rouault

- Status changed from Feedback to Closed