

QGIS Application - Bug report #8584

WFS 1.0.0 Client requests with FILTER fails against Geoserver

2013-09-06 09:09 AM - Bernd Deckert

Status:	Closed	
Priority:	Severe/Regression	
Assignee:		
Category:	Web Services clients/WFS	
Affected QGIS version:	master	Regression?: No
Operating System:		Easy fix?: No
Pull Request or Patch supplied:		Resolution:
Crashes QGIS or corrupts data:		Copied to github as #: 17326
Description		
<p>The supposed bug concerns 1.0.0 WFS Client of QGIS 2.0 : WFS requests with filters fails against Geoserver (tested versions : 2.1.3 and 2.3.0).</p> <p>It formerly worked in QGIS 1.8</p> <p>Through the GUI the QGIS 1.8 generates this kind of WFS request http://localhost:8080/geoserver/wfs?SERVICE=WFS&VERSION=1.0.0&REQUEST=GetFeature&TYPENAME=wxf4gf:communes&SRNAME=EPSG:2154&FILTER= <Filter> <PropertyIsEqualTo> <PropertyName>code_dept</PropertyName> <Literal>30</Literal> </PropertyIsEqualTo> </Filter> This query works fine.</p> <p>For the same request the QGIS 2.0 version adds "ogc" namespace for the filter http://localhost:8080/geoserver/wfs?SERVICE=WFS&VERSION=1.0.0&REQUEST=GetFeature&TYPENAME=wxf4gf:communes&SRNAME=EPSG:2154&FILTER= <ogc:Filter> <ogc:PropertyIsEqualTo> <ogc:PropertyName>code_dept</ogc:PropertyName> <ogc:Literal>30</ogc:Literal> </ogc:PropertyIsEqualTo> </ogc:Filter> This query doesn't work</p> <p>To work with Geoserver we need de declare the ogc namespace (xmlns:ogc="http://www.opengis.net/ogc") in the filter this way : http://localhost:8080/geoserver/wfs?SERVICE=WFS&VERSION=1.0.0&REQUEST=GetFeature&TYPENAME=wxf4gf:communes&SRNAME=EPSG:2154&FILTER= <ogc:Filter xmlns:ogc="http://www.opengis.net/ogc"> <ogc:PropertyIsEqualTo> <ogc:PropertyName>code_dept</ogc:PropertyName> <ogc:Literal>30</ogc:Literal> </ogc:PropertyIsEqualTo> </ogc:Filter></p> <p>With my basic programming skills I've tried to take a look to the source code. The following file could be affected : https://issues.qgis.org/projects/quantum-gis/repository/revisions/master/entry/src/core/qgsogcutils.cpp</p>		

On line 16 there is a "GML_NAMESPACE" (GML_NAMESPACE = "http://www.opengis.net/gml") constant declaration. This constant is used many times by the "elementsByTagNameNS" method.

On line 1860 we have :QDomElement filterElem = doc.createElement("ogc:Filter");

Perhaps we have just to apply a kind of "OGC_NAMESPACE" (OGC_NAMESPACE = "http://www.opengis.net/ogc") here ?

Hope I was clear enough and not too long. Many thanks.

Associated revisions

Revision 10c15089 - 2014-02-07 07:09 PM - Martin Dobias

Fix #8584 (WFS requests with FILTER fails against Geoserver)

History

#1 - 2013-09-06 09:17 AM - Bernd Deckert

- *Target version set to Version 2.0.0*

#2 - 2013-09-06 12:33 PM - Giovanni Manghi

- *Target version changed from Version 2.0.0 to Future Release - High Priority*

- *Priority changed from Normal to Severe/Regression*

- *Category set to Web Services clients/WFS*

if it is a regression then is a blocker... for the next release (2.1).

#3 - 2013-10-10 09:19 AM - Juergen Weichand

A QGIS 2.0 WFS 1.0.0 request also fails against other WFS-Server like deegree 3.

(because of the missing ogc namespace declaration)

#4 - 2014-02-07 10:13 AM - Martin Dobias

- *Status changed from Open to Closed*

Fixed in changeset commit:"10c15089d1735cec491ee0958b54b3fb0fad230d".