

QGIS Application - Bug report #8584

WFS 1.0.0 Client requests with FILTER fails against Geoserver

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

<div><div>Status:Closed</div><div>Priority:Severe/Regression</div><div>Assignee:</div><div>Category:Web Services clients/WFS</div><div>Affected QGIS version:master</div><div>Operating System:</div><div>Pull Request or Patch supplied:</div><div>Crashes QGIS or corrupts data:</div></div>		<div><div>Regression?:No</div><div>Easy fix?:No</div><div>Resolution:</div><div>Copied to github as #: 17326</div></div>
<div><div>Description</div><div><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</p><p>http://localhost:8080/geoserver/wfs?SERVICE=WFS&VERSION=1.0.0&REQUEST=GetFeature&TYPENAME=wxf4gf:communes&SRNAME=EPSG:2154&FILTER=</p><pre><Filter> <PropertyIsEqualTo> <PropertyName>code_dept</PropertyName> <Literal>30</Literal> </PropertyIsEqualTo> </Filter></pre><p>This query works fine.</p><p>For the same request the QGIS 2.0 version adds "ogc" namespace for the filter</p><p>http://localhost:8080/geoserver/wfs?SERVICE=WFS&VERSION=1.0.0&REQUEST=GetFeature&TYPENAME=wxf4gf:communes&SRNAME=EPSG:2154&FILTER=</p><pre><ogc:Filter> <ogc:PropertyIsEqualTo> <ogc:PropertyName>code_dept</ogc:PropertyName> <ogc:Literal>30</ogc:Literal> </ogc:PropertyIsEqualTo> </ogc:Filter></pre><p>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 :</p><p>http://localhost:8080/geoserver/wfs?SERVICE=WFS&VERSION=1.0.0&REQUEST=GetFeature&TYPENAME=wxf4gf:communes&SRNAME=EPSG:2154&FILTER=</p><pre><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></pre><p>With my basic programming skills I've tried to take a look to the source code.</p><p>The following file could be affected :</p><p>https://issues.qgis.org/projects/quantum-gis/repository/revisions/master/entry/src/core/qgsogcutils.cpp</p></div></div>		

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".