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:	No	**Resolution:**	
Crashes QGIS or corrupts data:	No	**Copied to github as #:**	17326

Description

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).

It formerly worked in QGIS 1.8

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.

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

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>

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

On line 16 there is a "GML_NAMESPACE" (GML_NAMESPACE = "http://www.opengis.net/gml") constant declaration.
This contant 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".