

## QGIS Application - Bug report #8584

### WFS 1.0.0 Client requests with FILTER fails against Geoserver

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

<b>Status:</b> Closed	
<b>Priority:</b> Severe/Regression	
<b>Assignee:</b>	
<b>Category:</b> Web Services clients/WFS	
<b>Affected QGIS version:</b> master	<b>Regression?:</b> No
<b>Operating System:</b>	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b> No	<b>Resolution:</b>
<b>Crashes QGIS or corrupts data:</b>	<b>Copied to github as #:</b> 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 to 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 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.

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## Associated revisions

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

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

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## 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".