

QGIS Application - Bug report #18267

QGIS 3.0 WFS 2.0 not working

2018-02-28 12:38 PM - Michal Med

Status:	Closed	
Priority:	Normal	
Assignee:	Even Rouault	
Category:	Web Services clients/WFS	
Affected QGIS version:	3.0.0	Regression?: No
Operating System:		Easy fix?: No
Pull Request or Patch supplied:		Resolution:
Crashes QGIS or corrupts data:		Copied to github as #: 26158
Description		
<p>Trying to attach WFS 2.0 service with endpoint http://services.cuzk.cz/wfs/inspire-CP-wfs.asp? to QGIS 3.0.</p> <p>Output:</p> <pre>2018-02-28T12:35:03 WARNING Analysis of DescribeFeatureType response failed for url restrictToRequestBBOX='1' srsname='EPSG:5514' typename='cp:CadastralParcel' url='http://services.cuzk.cz/wfs/inspire-CP-wfs.asp?' version='2.0.0' table='' sql=: Cannot find schema root element</pre> <p>Service does not return data. It works properly in 2.14 using WFS 2.0 plugin.</p>		

Associated revisions

Revision 1d2686d0 - 2018-05-31 01:38 PM - Even Rouault

[WFS provider] Handle DescribeFeatureType responses that consist of a single <include> (fixes #18267)

Also handle another occurrence of a buggy server only accepting TYPENAMES plural as parameter of DescribeFeatureType

Revision f7e4dd67 - 2018-05-31 02:50 PM - Even Rouault

Merge pull request #7127 from rouault/fix_18267

[WFS provider] Handle DescribeFeatureType responses that consist of a single <include> (fixes #18267)

History

#1 - 2018-02-28 01:06 PM - Giovanni Manghi

- Status changed from Open to Feedback
- Easy fix? changed from Yes to No

What about 2.18 selecting the proper WFS version?

#2 - 2018-03-01 11:18 AM - Michal Med

Never tried 2.18, I was using 2.14, the installed 3.0. I thought that WFS 2.0.0 support was added in QGIS 3.0.

#3 - 2018-03-01 11:23 AM - Giovanni Manghi

Michal Med wrote:

Never tried 2.18, I was using 2.14, the installed 3.0. I thought that WFS 2.0.0 support was added in QGIS 3.0.

then please test also 2.18, as is the new LTR.

#4 - 2018-03-01 02:40 PM - Michal Med

2.18 returns the same:

```
2018-03-01T14:39:49 1 Analysis of DescribeFeatureType response failed for url restrictToRequestBBOX='1' srsname='EPSG:5514'
typename='cp:CadastralBoundary' url='http://services.cuzk.cz/wfs/inspire-cp-wfs.asp?' version='2.0.0' table='' sql=: Cannot find schema root
element
```

#5 - 2018-04-29 10:38 PM - Jeremy Palmer

Is this provider generating storedQueries or using complex features? If so then it won't work, the QGIS WFS 2.0 provider doesn't support that at the moment, only Simple Feature level 0 schema (e.g relational style table). I understand the WFS 2.0 plugin does support storedQueries

#6 - 2018-05-31 02:18 PM - Even Rouault

- Assignee set to Even Rouault

Two main issues here:

- buggy server that expects TYPENAMES plural as DescribeFeatureType parameter
- once corrected, the schema returned consists of a single <include schemaLocation="..."> that we didn't follow yet

#7 - 2018-05-31 02:50 PM - Even Rouault

- Status changed from Feedback to Closed
- % Done changed from 0 to 100

Applied in changeset commit:qgis|1d2686d0dcaca20f00392ee3dd8dc4bc404fd8d0.

#8 - 2018-06-07 09:54 AM - Michal Med

Parameter typenames (plural) is required by the OGC service (<http://cite.openegeospatial.org/pub/cite/files/edu/wfs/text/operations.html>). The rest is correct.

#9 - 2018-06-07 11:43 AM - Even Rouault

Hum, this is a complete mess...

<http://docs.opengeospatial.org/is/09-025r2/09-025r2.html#147> "9.2.3 KVP Encoding" mentions TYPENAME, but "9.3.4.1 typeName parameter" mention TYPENAMES (and with a remaining occurrence of typeName). The XML encoding use TypeName (in "9.2.2 XML Encoding" and <http://schemas.opengis.net/wfs/2.0/wfs.xsd>), but they refer to "typeNames" in "9.3.4.1 typeName parameter".

The "B.8.2 DescribeFeatureType examples" do mention TYPENAMES, but this is an informative annex.

So it **seems** that the intent was to switch to plural form but a lot of inconsistency exist everywhere in the spec. It would be wise for server implementations to support both TYPENAME and TYPENAMES given this mess.

The issue has been reported to OGC per http://ogc.standardstracker.org/show_bug.cgi?id=530

#10 - 2018-06-13 10:27 AM - Michal Med

I'll upgrade the server to accept both singular and plural. The single <include schemaCollection="..."> is going to be supported in a near future?