

QGIS Application - Bug report #14250

QGIS server WFS response not parsed by OWSLib

2016-02-08 06:49 AM - Gavin Fleming

Status:	Closed	
Priority:	Normal	
Assignee:	René-Luc ReLuc	
Category:	QGIS Server	
Affected QGIS version:	2.8.5	Regression?: No
Operating System:	ubuntu	Easy fix?: No
Pull Request or Patch supplied:	No	Resolution: end of life
Crashes QGIS or corrupts data:	No	Copied to github as #: 22246
Description		
<p>We have had to resort to parsing WFS XML responses since there seems to be some keyword case sensitivity in either QGIS server or OWSLib that's preventing unfettered OGC communication.</p> <p>I wasn't able to diagnose if the problem is with QGIS or OWSLib</p>		

History

#1 - 2016-02-08 01:24 PM - Jukka Rahkonen

It would be much easier to analyze if the XML from QGIS server is valid if you could add a sample.

#2 - 2016-02-16 05:24 AM - René-Luc ReLuc

- Assignee set to René-Luc ReLuc

#3 - 2016-03-29 07:42 AM - Gavin Fleming

- File GetCapabilities.xml added

GetCapabilities XML attached.

By the way, this is the response when I try to use OWSLib:
Based on the documentation, they have three WFS versions supported:

Version 1.0.0

...

```
from owslib.wfs import WebFeatureService
wfs11 = WebFeatureService(url='http://129.232.164.58:6003/cgi-bin/qgis_mapserv.fcgi?map=/qgis/docs/projects/straffontein_SCH032.qgs',
version='1.0.0')
```

Traceback (most recent call last):
File "<console>", line 1, in <module>
File "/usr/local/lib/python2.7/site-packages/owslib/wfs.py", line 36, in WebFeatureService
 timeout=timeout)
File "/usr/local/lib/python2.7/site-packages/owslib/feature/wfs100.py", line 72, in new
 obj.__init__(url, version, xml, parse_remote_metadata, timeout)
File "/usr/local/lib/python2.7/site-packages/owslib/feature/wfs100.py", line 94, in init

```

self._buildMetadata(parse_remote_metadata)
File "/usr/local/lib/python2.7/site-packages/owslib/feature/wfs100.py", line 104, in _buildMetadata
    self.provider=ServiceProvider(serviceelem)
File "/usr/local/lib/python2.7/site-packages/owslib/feature/wfs100.py", line 283, in init
    self.keywords = extract_xml_list(self._root.find(nspath('Keywords'))))
File "/usr/local/lib/python2.7/site-packages/owslib/util.py", line 540, in extract_xml_list
    keywords = [re.split(r'\
\
'+,f.text) for f in elements if f.text]
TypeError: 'NoneType' object is not iterable

```

Version 1.1.0

```

| | | from owslib.wfs import WebFeatureService
| | | wfs11 = WebFeatureService(url='http://129.232.164.58:6003/cgi-bin/qgis_mapserv.fcgi?map=/qgis/docs/projects/straffontein_SCH032.qgs',
| | | version='1.1.0')

```

Traceback (most recent call last):

```

File "<console>", line 1, in <module>
File "/usr/local/lib/python2.7/site-packages/owslib/wfs.py", line 39, in WebFeatureService
    timeout=timeout)
File "/usr/local/lib/python2.7/site-packages/owslib/feature/wfs110.py", line 53, in new
    obj.__init__(url, version, xml, parse_remote_metadata, timeout)
File "/usr/local/lib/python2.7/site-packages/owslib/feature/wfs110.py", line 76, in init
    self._buildMetadata(parse_remote_metadata)
File "/usr/local/lib/python2.7/site-packages/owslib/feature/wfs110.py", line 83, in _buildMetadata
    self.identification=ServiceIdentification(val,self.owscommon.namespace)
File "/usr/local/lib/python2.7/site-packages/owslib/ows.py", line 47, in init
    val = self._root.find(util.nspath('Title', namespace))
AttributeError: 'NoneType' object has no attribute 'find'

```

Version 2.0.0

```

| | | from owslib.wfs import WebFeatureService

```

```

wfs11 = WebFeatureService(url='http://129.232.164.58:6003/cgi-bin/qgis_mapserv.fcgi?map=/qgis/docs/projects/straffontein_SCH032.qgs',
version='2.0.0')

```

Traceback (most recent call last):

```

File "<console>", line 1, in <module>
File "/usr/local/lib/python2.7/site-packages/owslib/wfs.py", line 42, in WebFeatureService
    timeout=timeout)

```

```
File "/usr/local/lib/python2.7/site-packages/owslib/feature/wfs200.py", line 61, in new
obj.__init__(url, version, xml, parse_remote_metadata, timeout)
File "/usr/local/lib/python2.7/site-packages/owslib/feature/wfs200.py", line 85, in init
self._buildMetadata(parse_remote_metadata)
File "/usr/local/lib/python2.7/site-packages/owslib/feature/wfs200.py", line 92, in _buildMetadata
self.identification=ServiceIdentification(serviceidentitelem)
File "/usr/local/lib/python2.7/site-packages/owslib/ows.py", line 47, in init
val = self._root.find(util.nspath('Title', namespace))
AttributeError: 'NoneType' object has no attribute 'find'
```

#4 - 2016-04-08 06:37 AM - René-Luc ReLuc

QGIS Server only provides WFS version 1.0.0.

It seems that OWSLib is waiting for Keywords in capabilities.

#5 - 2017-05-01 01:06 AM - Giovanni Manghi

- Regression? set to No
- Easy fix? set to No

#6 - 2019-03-09 03:12 PM - Giovanni Manghi

- Resolution set to end of life
- Status changed from Open to Closed

End of life notice: QGIS 2.18 LTR

Source:
<http://blog.qgis.org/2019/03/09/end-of-life-notice-qgis-2-18-ltr/>

Files

GetCapabilities.xml	16.9 KB	2016-03-29	Gavin Fleming
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