

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		
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. I wasn't able to diagnose if the problem is with QGIS or OWSLib		

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(serviceidentelem)
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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