

QGIS Application - Bug report #16333

Fetch WMTS fails in Python Console (with owslib) but works through QGIS widget

2017-03-09 07:22 AM - geo julien

Status:	Closed	
Priority:	Normal	
Assignee:	Tom Kralidis	
Category:	Python plugins	
Affected QGIS version:	2.14.12	Regression?: No
Operating System:	Windows	Easy fix?: No
Pull Request or Patch supplied:	No	Resolution: up/downstream
Crashes QGIS or corrupts data:	No	Copied to github as #: 24243
Description		
I'm working on my plugin which can add layers from OGC services directly to Map canvas without UI step. So I use owslib with PyQGIS. Trying various WMTS sample (check my script here: https://github.com/isogeo/isogeo-plugin-qgis/blob/master/test/test_wmts.py), I've found a WMTS that works through QGIS integrated widget but not from owslib (see attached screen capture), but not from Python script. Just with version parameter (I know, quite useless but...): <pre>wmts = WebMapTileService("http://data.geus.dk/arcgis/rest/services/OneGeologyGlobal/S071_G2500_OneGeology/MapServer/WMTS?request=request=GetCapabilities", version="1.0.0") Traceback (most recent call last): File "<input>", line 1, in <module> File "C:/OSGEO4~1/apps/qgis-ltr/.python\owslib\wmts.py", line 114, in __init__ self._buildMetadata(parse_remote_metadata) File "C:/OSGEO4~1/apps/qgis-ltr/.python\owslib\wmts.py", line 133, in _buildMetadata self.provider=ServiceProvider(serviceprov) File "C:/OSGEO4~1/apps/qgis-ltr/.python\owslib\ows.py", line 78, in __init__ val = self._root.find(util.nspath('ProviderName', namespace)) AttributeError: 'NoneType' object has no attribute 'find'</pre> With full parameters: <pre>wmts = WebMapTileService("http://data.geus.dk/arcgis/rest/services/OneGeologyGlobal/S071_G2500_OneGeology/MapServer/WMTS?request=request=GetCapabilities", version="1.0.0", parse_remote_metadata=0, xml="http://sampleserver6.arcgisonline.com/arcgis/rest/services/WorldTimeZones/MapServer/WMTS/1.0.0/WMTSCapabilities.xml") Traceback (most recent call last): File "<input>", line 1, in <module> File "C:/OSGEO4~1/apps/qgis-ltr/.python\owslib\wmts.py", line 102, in __init__ self._capabilities = reader.readString(xml) File "C:/OSGEO4~1/apps/qgis-ltr/.python\owslib\wmts.py", line 649, in readString return etree.fromstring(st) File "C:\\OSGEO4~1\\apps\\Python27\\lib\\xml\\etree\\ElementTree.py", line 1300, in XML parser.feed(text) File "C:\\OSGEO4~1\\apps\\Python27\\lib\\xml\\etree\\ElementTree.py", line 1642, in feed self._raiseerror(v) File "C:\\OSGEO4~1\\apps\\Python27\\lib\\xml\\etree\\ElementTree.py", line 1506, in _raiseerror raise err</pre>		

ParseError: not well-formed (invalid token): line 1, column 5

Pointing only on the XML:

```
wmts =
WebMapTileService("http://sampleserver6.arcgisonline.com/arcgis/rest/services/WorldTimeZones/MapServer/WMTS/1.0.0/WMTSCapabilities.xml")
Traceback (most recent call last):
  File "<input>", line 1, in <module>
    File "C:/OSGEO4~1/apps/qgis-ltr/.python\owslib\wmts.py", line 114, in __init__
        self._buildMetadata(parse_remote_metadata)
    File "C:/OSGEO4~1/apps/qgis-ltr/.python\owslib\wmts.py", line 133, in _buildMetadata
        self.provider=ServiceProvider(serviceprov)
    File "C:/OSGEO4~1/apps/qgis-ltr/.python\owslib\ows.py", line 78, in __init__
        val = self._root.find(util.nspath('ProviderName', namespace))
AttributeError: 'NoneType' object has no attribute 'find'
```

Behaviors should be the same, no? (sincere question)

History

#1 - 2017-03-09 08:20 AM - Tom Kralidis

- Resolution set to up/downstream
- Status changed from Open to Closed

Suggest opening this as a pure OWSLib ticket (<https://github.com/OWSLib/issues/new>)

#2 - 2017-03-10 12:46 AM - geo julien

Done: <https://github.com/geopython/OWSLib/issues/361>.

Files

qgis_214_osgeo4w_owslib_wmts.png	43.9 KB	2017-03-09	geo julien
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