

QGIS Application - Bug report #15061

Cannot add WFS layer

2016-06-18 03:37 AM - dr -

Status:	Closed	
Priority:	Normal	
Assignee:		
Category:	Unknown	
Affected QGIS version:	master	Regression?: No
Operating System:		Easy fix?: No
Pull Request or Patch supplied:		Resolution:
Crashes QGIS or corrupts data:		Copied to github as #: 23004
Description		
I've made local WFS using MapServer, but when trying add it to QGIS get an error: Analysis of DescribeFeatureType response failed for url srsname='EPSG:3857' typename='railway_station' url='http://127.0.0.1/cgi-bin/mapserv?map=/var/www/wfs.map&' version='1.1.0' table='' sql=: it is probably a schema for Complex Features		

Associated revisions

Revision f3549981 - 2016-06-18 03:10 PM - Even Rouault

[WFS provider] Add heuristics to detect MapServer WFS 1.1 behaviour (sometimes)

Fix #15061

MapServer honours EPSG axis order in WFS 1.1, but returns srsName in GetFeature response with EPSG:XXXX syntax instead of urn EPSG srs. This confuses the GML parser that thinks that no axis inversion should then happen.

The heuristics here consist in checking the envelope of the response with the capabilities extent.

This should be safe and should work for layers with non global extent, but will not detect all issues.

Proper fix is either to force WFS 1.0, or upgrade to MapServer 7.0 with WFS 2.0

History

#1 - 2016-06-18 03:47 AM - Even Rouault

Could you paste the output of

"http://127.0.0.1/cgi-bin/mapserv?map=/var/www/wfs.map&REQUEST=DescribeFeatureType&SERVICE=WFS&VERSION=1.1.0&TYPENAME=railway_station" ? station" ?

#2 - 2016-06-18 04:06 AM - dr -

My fault. I had incorrect dbname in mapfile.

```

<schema xmlns:ms="http://mapserver.gis.umn.edu/mapserver" xmlns:ogc="http://www.opengis.net/ogc"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns="http://www.w3.org/2001/XMLSchema" xmlns:gml="http://www.opengis.net/gml"
targetNamespace="http://mapserver.gis.umn.edu/mapserver" elementFormDefault="qualified" version="0.1">
<import namespace="http://www.opengis.net/gml" schemaLocation="http://schemas.opengis.net/gml/3.1.1/base/gml.xsd"/>
<!-- ERROR: Failed opening layer railway_station -->
</schema>

```

I've fixed dbname. But there are no features on canvas and each attribute value is ERROR. If open this URL in browser

"http://127.0.0.1/cgi-bin/mapserv?map=/var/www/wfs.map&REQUEST=GetFeature&SERVICE=WFS&VERSION=1.1.0&TYPENAME=railway_station&MaxFeatures=1" then I see all attributes are correct:

```

<?xml version='1.0' encoding='utf-8' ?>
<wfs:FeatureCollection
  xmlns:ms="http://mapserver.gis.umn.edu/mapserver"
  xmlns:gml="http://www.opengis.net/gml"
  xmlns:wfs="http://www.opengis.net/wfs"
  xmlns:ogc="http://www.opengis.net/ogc"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://mapserver.gis.umn.edu/mapserver
http://127.0.0.1/cgi-bin/mapserv?map=/var/www/wfs.map&SERVICE=WFS&VERSION=1.1.0&REQUEST=DescribeFeatureType&TYPENAME=
&TYPENAME=railway_station&OUTPUTFORMAT=text/xml;%20subtype=gml/3.1.1 http://www.opengis.net/wfs
http://schemas.opengis.net/wfs/1.1.0/wfs.xsd">
  <gml:boundedBy>
    <gml:Envelope srsName="EPSG:4326">
      <gml:lowerCorner>55.429641 36.840171</gml:lowerCorner>
      <gml:upperCorner>55.429641 36.840171</gml:upperCorner>
    </gml:Envelope>
  </gml:boundedBy>
  <gml:featureMember>
    <ms:railway_station gml:id="railway_station.1">
      <gml:boundedBy>
        <gml:Envelope srsName="EPSG:4326">
          <gml:lowerCorner>55.429641 36.840171</gml:lowerCorner>
          <gml:upperCorner>55.429641 36.840171</gml:upperCorner>
        </gml:Envelope>
      </gml:boundedBy>
      <ms:msGeometry>
        <gml:Point srsName="EPSG:4326">
          <gml:pos>55.429641 36.840171</gml:pos>
        </gml:Point>
      </ms:msGeometry>
      <ms:ogc_fid>1</ms:ogc_fid>
      <ms:osm_id>255593178</ms:osm_id>
      <ms:name>Бекасово I</ms:name>
      <ms:railway>station</ms:railway>
      <ms:webmercator>0101000020110F0000631E368BD2494F415700AB4F31675C41</ms:webmercator>
    </ms:railway_station>
  </gml:featureMember>
</wfs:FeatureCollection>

```

#3 - 2016-06-18 04:16 AM - dr -

I see log message:

2016-06-18T14:15:51 1 Cannot create temporary SpatiaLite cache

#4 - 2016-06-18 06:17 AM - Even Rouault

- *Status changed from Open to Closed*

Fixed in changeset commit:"f3549981a643aadeede0cfe5fb54b12aec7a8908".

#5 - 2017-09-22 10:05 AM - Jürgen Fischer

- *Category set to Unknown*