

QGIS Application - Bug report #18882

Attempting to add layer using site-wide WFS get capabilities URL in QGIS 3 errors out

2018-04-30 01:23 AM - Ian Harrison

Status:	Closed	
Priority:	Normal	
Assignee:	Even Rouault	
Category:	Web Services clients/WFS	
Affected QGIS version:	3.1(master)	Regression?: No
Operating System:	Windows 7	Easy fix?: No
Pull Request or Patch supplied:	No	Resolution: fixed/implemented
Crashes QGIS or corrupts data:	No	Copied to github as #: 26714
Description		
<p>Attempted to add a WFS layer using a site-wide get capabilities:</p> <p>https://data.linz.govt.nz/services;key=API_KEY/wfs?service=WFS&#38;request=GetCapabilities</p> <p>The layer listing is returned successfully but highlighting a layer and clicking Add gives the error:</p> <p>"Layer is not valid : The layer srsname='EPSG:4326' typename='data.linz.govt.nz:layer-50842' url='https://data.linz.govt.nz/services;key=API_KEY/wfs' version='auto' table='' sql= is not a valid layer and can not be added to the map.</p> <p>Reason: "</p> <p>Adding the same layer using the layer specific get capabilities url works.</p> <p>(Note: I have removed my API KEY from the urls above.)</p>		

Associated revisions

Revision 7511d1ff - 2018-05-22 09:56 PM - Even Rouault

Revert "[bugfix][wfs] Expand support for 2.0.0 TYPENAMES" (fixes #18882)

This reverts **partially** commit ccb4c80f8a6d2bb179258f1ffec0dc9a447ca465.

The plural form of TYPENAMES is non conformant for the DescribeFeatureType request of WFS 2.0

The logic of ccb4c80f8a6d2bb179258f1ffec0dc9a447ca465 breaks conformant servers because they ignore the TYPENAMES parameter and thus return a DescribeFeatureType response covering all layers of the service, which can be extremely time consuming.

Changes related to better geometry handling have been kept.

Revision 2330b7fc - 2018-05-23 01:59 PM - Even Rouault

[WFS provider] Handle buggy servers that require plural form TYPENAMES for DescribeFeatureType (fixes #18882, refs #17872)

Some servers like <http://geoportal.samregion.ru/wfs12> return an error when issuing a REQUEST=DescribeFeatureType&VERSION=2.0.0&TYPENAME=... query, which is the conformant way

They expect the plural form TYPENAMES to be passed

As they return an exception when being provided with the singular form, we can automate the retry with TYPENAMES.

Merge pull request #7057 from rouault/fix_18882_alternate

[WFS provider] Revert to using singular TYPENAME keyword for WFS 2.0 DescribeFeatureType (fixes #18882, refs #17872)

History

#1 - 2018-04-30 04:05 AM - Nyall Dawson

- Status changed from Open to Feedback

Seems to get stuck on requesting

<https://data.linz.govt.nz/services;key=KEY/wfs?SERVICE=WFS&REQUEST=DescribeFeatureType&VERSION=2.0.0&TYPENAMES=data.linz.govt.nz:layer-50764>

Trying to retrieve this url outside of QGIS also times out.

Maybe an issue on the server?

#2 - 2018-04-30 05:59 AM - Jeremy Palmer

When you change TYPENAMES to TYPENAME it return straight away.

I think the commit is the reason why it works in 2.18 and not 3.0: commit:ccb4c80f8a6d2bb179258f1ffec0dc9a447ca465

#3 - 2018-04-30 06:10 AM - Jeremy Palmer

Not this server is using geoserver in the backend as they implement TYPENAME. So I assume TYPENAMES is getting ignored, and it's trying to fetch the schemas for all types in the services, which is why it is timing out. This thread seems to discuss the issue further:

<http://osgeo-org.1560.x6.nabble.com/WFS-2-0-DescribeType-opertation-typeName-or-typeNames-td5323127.html> and it might be that QGIS needs to go back to TYPENAME, or makes some guesses if it's a geoserver instance or not.

However, this services doesn't state that it's Geoserver, in headers or in the GetCapabilities document. The HTTP header does however say "Server: Koordinates"

#4 - 2018-04-30 11:58 AM - Jeremy Palmer

See updated conversation here: <https://github.com/qgis/QGIS/commit/ccb4c80f8a6d2bb179258f1ffec0dc9a447ca465#commitcomment-28788833>

#5 - 2018-05-21 09:35 PM - Even Rouault

- Assignee set to Even Rouault

#6 - 2018-05-23 03:22 PM - Even Rouault

- Status changed from Feedback to Closed

- % Done changed from 0 to 100

Applied in changeset commit:qgis|7511d1ffdb867f3bd19bf0697afa5c49ae6b621d.

#7 - 2018-05-23 03:23 PM - Even Rouault

- *Resolution set to fixed/implemented*