

## QGIS Application - Bug report #17817

### WFS vs WMS (OGR?) data types

2018-01-08 12:22 PM - Richard Duivenvoorde

<b>Status:</b>	Closed	
<b>Priority:</b>	Low	
<b>Assignee:</b>		
<b>Category:</b>	Data Provider/OGR	
<b>Affected QGIS version:</b>	2.18.15	<b>Regression?:</b> No
<b>Operating System:</b>		<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>	No	<b>Resolution:</b> wontfix
<b>Crashes QGIS or corrupts data:</b>	No	<b>Copied to github as #:</b> 25713
<b>Description</b>		
<p>(talking about 2.18 here)</p> <p>WFS and WMS of the same service seem to create different attribute data-types?</p> <p>Going to this WFS:</p> <p><a href="https://geodata.nationaalgeoregister.nl/bag/ows?">https://geodata.nationaalgeoregister.nl/bag/ows?</a></p> <p>there is a layer with 'panden' (houses), which have a column 'identification' which is (should be) a long integer (up to about 15 positions long).</p> <p>On a WMS GetFeatureInfo request (same url) you will see those id's as nice long integers/strings:</p> <p>1598100000022426</p> <p>BUT if you request the same house in a WFS layer, you will see floats:</p> <p>1.59810000002243e+15</p> <p>for example in the attribute table, or if you use the info-tool.</p> <p>This is a problem if you need that id to create joints/relations.</p> <p>I had a look into the sqlite file which is created in:</p> <p>~/.qgis2/cache/wfsprovider/pid_16544</p> <p>and indeed see this create table sql:</p> <pre>CREATE TABLE 'features' ( "__ogc_fid" INTEGER PRIMARY KEY AUTOINCREMENT, 'identificatie' FLOAT, 'bouwjaar' FLOAT, 'status' VARCHAR, 'gebruiksdoel' VARCHAR, 'oppervlakte_min' FLOAT, 'oppervlakte_max' FLOAT, 'aantal_verblijfsobjecten' BIGINT, 'actualiteitsdatum' BIGINT, '__qgis_gen_counter' INTEGER, '__qgis_gmlid' VARCHAR, '__qgis_hexwkb_geom' VARCHAR, "__spatialite_geometry" POLYGON)</pre> <p>Is this a fixable (hopefully 2.18 only) problem?</p> <p>As 2.18 will be LTR for some time.</p>		

#### History

**#1 - 2018-06-01 02:55 PM - Even Rouault**

- *Priority changed from Normal to Low*

ok, so this is a QGIS 2.x only issue, as things seem to work well in QGIS 3  
The root cause is that the 'identification' column is reported as xs:decimal by DescribeFeatureType, and xs:decimal can potentially a floating point value, hence QGIS correctly decides to expose it as a double. If the server reported it as a xs:long or xs:string, that should work better

**#2 - 2019-01-21 12:34 AM - Jürgen Fischer**

- *Status changed from Open to Feedback*

Please test with QGIS 3.4 - QGIS 2.18 reached it's end of life.

**#3 - 2019-01-21 08:10 AM - Richard Duivenvoorde**

- *Resolution set to wontfix*

Closing, as indeed it is working in 3.x

**#4 - 2019-02-24 01:50 AM - Giovanni Manghi**

- *Status changed from Feedback to Closed*

**Files**

wfsdatatypes.qgs	12.8 KB	2018-01-08	Richard Duivenvoorde
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