

QGIS Application - Bug report #18247

qgis-server - Problem with id field for WFS request

2018-02-27 12:41 PM - Roberto Marzocchi

Status:	Closed	
Priority:	High	
Assignee:	Marco Hugentobler	
Category:	QGIS Server	
Affected QGIS version:	2.18.17	Regression?: No
Operating System:	Ubuntu 16.04	Easy fix?: No
Pull Request or Patch applied:	Yes	Resolution: fixed/implemented
Crashes QGIS or corrupts data:	No	Copied to github as #: 26138
Description		
Using PostGIS data (PostgreSQL 9.5 and PostGIS 2.4.2) the WFS are not correctly managed. I see two problems: 1) problem with layer id . See the following GEOJSON which is the answer of a WFS request on my server: <pre>"type": "FeatureCollection", "bbox": [8.66328335, 44.37787282, 9.0979391, 44.52055853], "features": [{ "type": "Feature", * "id": "municipio.", * "bbox": [8.911015, 44.394807, 8.948944, 44.441498], "geometry": { "type": "Polygon", "coordinates": [[[8.911086, 44.394807], [8.948944, 44.394831], [8.948903, 44.441498], [8.911015, 44.441475], [8.911086, 44.394807]]] }, "properties": { "nome_munic": "Centro est" } } , { "type": "Feature", * "id": "municipio.", * "bbox": [8.875491, 44.388001, 8.94037, 44.430367], "geometry": { "type": "Polygon", "coordinates": [[[8.875581, 44.388001], [8.94037, 44.388053], [8.940326, 44.430367], [8.875491, 44.430314], [8.875581, 44.388001]]] }, "properties": { "nome_munic": "Centro Ovest" } } , { "type": "Feature", "id": "municipio.", "bbox": [8.946167, 44.404599, 8.999985, 44.437809], "geometry": { "type": "Polygon", "coordinates": [[[8.946198, 44.404599], [8.999985, 44.404612], [8.999985, 44.437809], [8.946167, 44.437796], [8.946198, 44.404599]]] }, "properties": { "nome_munic": "Bassa Val Bisagno" } }</pre>		

```

}
,{
  "type":"Feature",
  "id":"municipio.",
  "bbox":[8.930862, 44.414459, 9.057417, 44.485182],
  "geometry":
    {"type": "Polygon", "coordinates": [[[ [8.930946, 44.414459], [9.057348, 44.414466], [9.057417, 44.485182], [8.930862, 44.485176], [8.930946, 44.414459]]]] },
  "properties":{
    "nome_munic":"Media Val Bisagno"
  }
}
,{
  "type":"Feature",
  "id":"municipio.",
  "bbox":[8.856775, 44.424035, 8.939742, 44.519878],
  "geometry":
    {"type": "Polygon", "coordinates": [[[ [8.857009, 44.424035], [8.939742, 44.424109], [8.939643, 44.519878], [8.856775, 44.519804], [8.857009, 44.424035]]]] },
  "properties":{
    "nome_munic":"Val Polcevera"
  }
}
,{
  "type":"Feature",
  "id":"municipio.",
  "bbox":[8.816747, 44.399442, 8.890092, 44.476811],
  "geometry":
    {"type": "Polygon", "coordinates": [[[ [8.816989, 44.399442], [8.890092, 44.399536], [8.889946, 44.476811], [8.816747, 44.476717], [8.816989, 44.399442]]]] },
  "properties":{
    "nome_munic":"Medio Ponente"
  }
}
,{
  "type":"Feature",
  "id":"municipio.",
  "bbox":[8.665559, 44.411659, 8.857853, 44.499071],
  "geometry":
    {"type": "Polygon", "coordinates": [[[ [8.666055, 44.411659], [8.857853, 44.412059], [8.857641, 44.499071], [8.665559, 44.498669], [8.666055, 44.411659]]]] },
  "properties":{
    "nome_munic":"Ponente"
  }
}
,{
  "type":"Feature",
  "id":"municipio.",
  "bbox":[8.933302, 44.389217, 8.991497, 44.421298],
  "geometry":
    {"type": "Polygon", "coordinates": [[[ [8.933339, 44.389217], [8.991497, 44.389237], [8.991492, 44.421298], [8.933302, 44.421278], [8.933339, 44.389217]]]] },
  "properties":{

```

```
"nome_munic":"Medio Levante"
}
}
,{
"type":"Feature",
"id":"municipio.",
"bbox":[8.976466, 44.379032, 9.095649, 44.4365],
"geometry":
{"type": "Polygon", "coordinates": [[ [8.97649, 44.37907], [9.095556, 44.379032], [9.095649, 44.436462], [8.976466, 44.4365],
[8.97649, 44.37907]]] },
"properties":{
"nome_munic":"Levante"
}
}
]
}
```

2) for big PostgreSQL data the server crash

History

#1 - 2018-02-27 12:59 PM - Giovanni Manghi

- Status changed from Open to Feedback

Hi, can you please edit the subject and change it something more meaningful (regarding to the issue reported), thanks!

Also 2) must be reported in a separate ticket, will all the details of the case (like what do you mean for "big").

#2 - 2018-02-27 01:43 PM - Roberto Marzocchi

Giovanni Manghi wrote:

Hi, can you please edit the subject and change it something more meaningful (regarding to the issue reported), thanks!

I try to edit but I cannot change the subject of the ticket

Also 2) must be reported in a separate ticket, will all the details of the case (like what do you mean for "big").

OK

#3 - 2018-02-27 01:50 PM - Giovanni Manghi

Roberto Marzocchi wrote:

Giovanni Manghi wrote:

Hi, can you please edit the subject and change it something more meaningful (regarding to the issue reported), thanks!

| I try to edit but I cannot change the subject of the ticket

write it down here, I'll change it.

#4 - 2018-02-27 02:27 PM - Roberto Marzocchi

Giovanni Manghi wrote:

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| Giovanni Manghi wrote:

| | Hi, can you please edit the subject and change it something more meaningful (regarding to the issue reported), thanks!

| I try to edit but I cannot change the subject of the ticket

| write it down here, I'll change it.

qgis-server - Problem with id field for WFS request

#5 - 2018-02-27 02:46 PM - Roberto Marzocchi

This problem affect PostGIS and Spatialite layer, while using a Shapefile the request works

POSTGIS REQUEST

https://www.gishosting.gter.it/lizmap-web-client/lizmap/www/index.php/lizmap/service/?repository=dorota&project=mappa_incidenti&SERVICE=FS&VERSION=1.0.0&REQUEST=GetFeature&TYPENAME=municipio&OUTPUTFORMAT=GeoJSON&GEOMETRYNAME=extent&PROPERTYNAME=geometry%2Cnome_munic

```
{
  "type": "FeatureCollection",
  "bbox": [ 8.66328335, 44.37787282, 9.0979391, 44.52055853],
  "features": [ {
    "type": "Feature",
    "id": "municipio.",
    "bbox": [8.911015, 44.394807, 8.948944, 44.441498],
    "geometry": { "type": "Polygon", "coordinates": [[[ [8.911086, 44.394807], [8.948944, 44.394831], [8.948903, 44.441498], [8.911015, 44.441475], [8.911086, 44.394807]]]] },
    "properties": {
      "nome_munic": "Centro est"
    }
  }
]
[...]
```

SPATIALITE REQUEST

https://www.gishosting.gter.it/lizmap-web-client/lizmap/www/index.php/lizmap/service/?repository=dorota&project=mappa_incidenti&SERVICE=FS&VERSION=1.0.0&REQUEST=GetFeature&TYPENAME=municipi&OUTPUTFORMAT=GeoJSON&GEOMETRYNAME=extent&PROPERTYNAME=geometry%2CNOME_MUNIC

```
{
  "type": "FeatureCollection",
```

```

"bbox": [ 8.66543983, 44.3785835, 9.09578466, 44.51985394],
"features": [ {
  "type": "Feature",
  "id": "municipi.",
  "bbox": [8.911015, 44.394807, 8.948944, 44.441498],
  "geometry": { "type": "Polygon", "coordinates": [[ [8.911086, 44.394807], [8.948944, 44.394831], [8.948903, 44.441498], [8.911015, 44.441475],
[8.911086, 44.394807]] ] },
  "properties": {
    "NOME_MUNIC": "Centro est"
  }
}
]
[...]
```

SHAPEFILE REQUEST

https://www.gishosting.gter.it/lizmap-web-client/lizmap/www/index.php/lizmap/service/?repository=dorota&project=mappa_incidenti&SERVICE=FS&VERSION=1.0.0&REQUEST=GetFeature&TYPENAME=municipi_shape&OUTPUTFORMAT=GeoJSON&GEOMETRYNAME=extent&PROPERTYNAME=geometry%2CNOME_MUNIC

```

{"type": "FeatureCollection",
"bbox": [ 8.66543983, 44.3785835, 9.09578466, 44.51985394],
"features": [ {
  "type": "Feature",
  "id": "municipi_shape.0",
  "bbox": [8.911015, 44.394807, 8.948944, 44.441498],
  "geometry": { "type": "Polygon", "coordinates": [[ [8.911086, 44.394807], [8.948944, 44.394831], [8.948903, 44.441498], [8.911015, 44.441475],
[8.911086, 44.394807]] ] },
  "properties": {
    "NOME_MUNIC": "Centro est"
  }
}
]
[...]
```

#6 - 2018-02-27 03:57 PM - Giovanni Manghi

- Subject changed from QGIS Server to qgis-server - Problem with id field for WFS request

Roberto Marzocchi wrote:

| This problem affect PostGIS and Spatialite layer, while using a Shapefile the request works

could you try the requests by taking Lizmap out of the equation (probably won't change a thing, but anyway...)? thanks.

#7 - 2018-02-27 04:41 PM - Roberto Marzocchi

Yes. Same behaviour. I think it is a problem of application server, not of client. Perhaps a misconfiguration of php-pgsql or php-sqlite3?

https://www.gishosting.gter.it/cgi-bin/qgis_mapserv.fcgi?geometryname=extent&map=%2Fvar%2Fwww%2Fowncloud%2Fdata%2Fdorota%2Ffiles%2Fmappa_incidenti.qgs&outputformat=GeoJSON&propertyname=geometry%2Cnome_munic&request=GetFeature&service=WFS&typename=municipi_shape&version=1.0.0

https://www.qishosting.qter.it/cgi-bin/qgis_mapserv.fcgi?geometryname=extent&map=%2Fvar%2Fwww%2Fowncloud%2Fdata%2Fdorota%2Ffiles%2Fmappa_incidenti.qgs&outputformat=GeoJSON&propertyname=geometry%2Cnome_munic&request=GetFeature&service=WFS&typename=municipi_shape&version=1.0.0

#8 - 2018-02-27 04:44 PM - Giovanni Manghi

Roberto Marzocchi wrote:

Yes. Same behaviour. I think it is a problem of application server, not of client. Perhaps a misconfiguration of php-pgsql or php-sqlite3?

if is the server then PHP is not involved at all.

#9 - 2018-02-27 05:31 PM - Giovanni Manghi

- Priority changed from High to Normal

I cannot confirm. Example here (from a project/getfeature that uses postgis):

```
...
...
...
"features": [ {
  "type": "Feature",
  "id": "clc_nivel5_evora.1",
  "bbox": [-8.269889, 38.479035, -8.266458, 38.480962],
  "geometry": { "type": "MultiPolygon", "coordinates": [[ [ [-8.269531, 38.479035], [-8.269803, 38.479233], [-8.269889, 38.479303], [-8.269886,
38.479334], [-8.269763, 38.479457], [-8.269161, 38.479881], [-8.268837, 38.480065], [-8.268685, 38.480154], [-8.268639, 38.480177], [-8.268345,
38.480282], [-8.268223, 38.480319], [-8.268089, 38.480381], [-8.267994, 38.480431], [-8.267912, 38.48048], [-8.267692, 38.480632], [-8.267501,
38.480751], [-8.267419, 38.480796], [-8.267309, 38.480847], [-8.267261, 38.480864], [-8.267164, 38.480891], [-8.267009, 38.480928], [-8.266835,
38.480955], [-8.26677, 38.480962], [-8.266624, 38.480955], [-8.266573, 38.480947], [-8.266543, 38.480939], [-8.266497, 38.480919], [-8.26647,
38.480875], [-8.266458, 38.480827], [-8.266458, 38.480787], [-8.266462, 38.480741], [-8.266476, 38.480711], [-8.26649, 38.480672], [-8.266528,
38.480596], [-8.266561, 38.48055], [-8.26662, 38.480483], [-8.266681, 38.480426], [-8.266718, 38.480397], [-8.26676, 38.480367], [-8.266838,
38.480325], [-8.26688, 38.48029], [-8.266905, 38.480254], [-8.266935, 38.480197], [-8.266953, 38.480105], [-8.266982, 38.480027], [-8.267004,
38.479981], [-8.267009, 38.479972], [-8.26704, 38.47992], [-8.267066, 38.479884], [-8.267096, 38.479855], [-8.267141, 38.479836], [-8.26716,
38.479831], [-8.267211, 38.479824], [-8.267247, 38.479823], [-8.267357, 38.479832], [-8.267562, 38.479858], [-8.267643, 38.479861], [-8.267695,
38.47986], [-8.26773, 38.479857], [-8.268019, 38.479709], [-8.268207, 38.479552], [-8.26846, 38.479403], [-8.26881, 38.479297], [-8.269084,
38.479149], [-8.269272, 38.479077], [-8.269531, 38.479035]]]] ],
  "properties": {
    "id": 1,
    "descri": "Albufeiras de barragem",
    "clc51": "5.1.2.2",
    "densidade": null,
    "shape_leng": 780.276304269,
    "shape_area": 2.39300404127
  }
}
,
```

#10 - 2018-03-01 03:44 PM - René-Luc ReLuc

- Assignee set to Marco Hugentobler
- Priority changed from Normal to High

This issue is due to an enhancement for multi primary keys. It this PR <https://github.com/qgis/QGIS/pull/6279>

Did you set the fields used as primary keys ?

#11 - 2018-03-02 08:27 AM - Marco Hugentobler

Is it possible to attach a small postgres sql-dump with the problematic dataset (can be a small subset of the data). Like this, it is easier for us to check if the primary key is correctly detected by QGIS and why the problem happens.

#12 - 2018-03-02 11:15 AM - Jürgen Fischer

- Description updated

#13 - 2018-03-02 11:40 AM - Roberto Marzocchi

using this spatialite file [<https://www.gter.it/nextcloud/index.php/s/zZPqoFPA0UY1PfX>] I have the problem

#14 - 2018-03-02 02:32 PM - Marco Hugentobler

Thanks.

I've tested here with the latest 2.18 branch, simple project with municipi spatialite layer. The output here looks ok (see below). Maybe you could check if it happens for you also with such a simple project. If yes, please attach the project to this ticket (just in case something project specific is triggering the issue).

```
{"type": "FeatureCollection",
"bbox": [ 8.66543983, 44.3785835, 9.09578466, 44.51985394],
"features": [ {
  "type": "Feature",
  "id": "municipi.1",
  "bbox": [8.911035, 44.394823, 8.948928, 44.441489],
  "geometry": { "type": "MultiPolygon", "coordinates": [[[ [8.911233, 44.428853], [8.911237, 44.429023], [8.911268, 44.429102], [8.911351, 44.429162],
[8.911404, 44.429228], [8.911465, 44.429326], [8.911531, 44.429408], [8.911545, 44.429471], [8.911618, 44.429637], [8.911723, 44.42974],
[8.912019,
```

#15 - 2018-03-02 03:36 PM - Roberto Marzocchi

I do the test using two different server and two different project, but I have the same problem. I use qgis-server package (v 2.18.17) and my OS is Ubuntu server 16.04 in both the server here [<https://www.gter.it/nextcloud/index.php/s/6lCQi5MBq7Ynvdz>] my project, but it is a test project with only two spatialite layers..

#16 - 2018-03-03 03:23 PM - René-Luc ReLuc

mhugent, the issue comes from the parameter PROPERTYNAME in which the web client does not request the primary key fields. So the primary key fields

are not requested by QGIS Server, and it cannot use it in Fetaure ID.

#17 - 2018-03-04 10:13 AM - Marco Hugentobler

Ah, too bad.

<https://github.com/qgis/QGIS/pull/6522> provides a fallback to the feature id for such cases.

#18 - 2018-03-04 10:43 AM - Giovanni Manghi

- *Pull Request or Patch supplied changed from No to Yes*

#19 - 2018-04-04 10:58 AM - Alessandro Pasotti

Can we close this after <https://github.com/qgis/QGIS/pull/6522> ?

#20 - 2018-04-06 10:22 AM - Roberto Marzocchi

Alessandro Pasotti wrote:

| Can we close this after <https://github.com/qgis/QGIS/pull/6522> ?

I agree with you. We can close this ticket

#21 - 2018-08-23 01:04 AM - Giovanni Manghi

- *Status changed from Feedback to Closed*

- *Resolution set to fixed/implemented*