

## QGIS Application - Bug report #20549

### QGIS SERVER - error in parsing WMS GetFeatureInfo as XML

2018-11-19 11:24 AM - Umberto Minora

<b>Status:</b> Closed	
<b>Priority:</b> Normal	
<b>Assignee:</b> Alessandro Pasotti	
<b>Category:</b> QGIS Server	
<b>Affected QGIS version:</b> 3.4.1	<b>Regression?:</b> No
<b>Operating System:</b>	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>	<b>Resolution:</b> fixed/implemented
<b>Crashes QGIS or corrupts data:</b>	<b>Copied to github as #:</b> 28369
<b>Description</b>	
<p>Don't know if it's a real bug, but it's something I'd like to be fixed for my own application. I use to parse the GetFeatureInfo request as XML with the ".responseXML" method. I am receiving this error: Errore interpretazione XML: tag corrispettivo mancante. Previsto: &lt;/meta&gt;. It seems the missing closing &lt;/meta&gt; tag is causing this. A testing URL for the request looks like this: <a href="https://www.wondermap.it/cgi-bin/qgis_mapserv.fcgi?&amp;#38;map=/home/ubuntu/qgis/projects/Demo_sci_WMS/demo_sci.qgs&amp;#38;SERVICE=WMS&amp;#38;VERSION=1.3.0&amp;#38;REQUEST=GetFeatureInfo&amp;#38;FORMAT=image%2Fpng&amp;#38;TRANSPARENT=true&amp;#38;QUERY_LAYERS=domini%20sciabili&amp;#38;LAYERS=domini%20sciabili&amp;#38;INFO_FORMAT=text%2Fhtml&amp;#38;I=50&amp;#38;J=50&amp;#38;CRS=EPSG%3A3857&amp;#38;STYLES=&amp;#38;WIDTH=101&amp;#38;HEIGHT=101&amp;#38;BBOX=1128900.381669475%2C5866529.499870181%2C1129865.3991515755%2C5867494.517352281">https://www.wondermap.it/cgi-bin/qgis_mapserv.fcgi?&amp;#38;map=/home/ubuntu/qgis/projects/Demo_sci_WMS/demo_sci.qgs&amp;#38;SERVICE=WMS&amp;#38;VERSION=1.3.0&amp;#38;REQUEST=GetFeatureInfo&amp;#38;FORMAT=image%2Fpng&amp;#38;TRANSPARENT=true&amp;#38;QUERY_LAYERS=domini%20sciabili&amp;#38;LAYERS=domini%20sciabili&amp;#38;INFO_FORMAT=text%2Fhtml&amp;#38;I=50&amp;#38;J=50&amp;#38;CRS=EPSG%3A3857&amp;#38;STYLES=&amp;#38;WIDTH=101&amp;#38;HEIGHT=101&amp;#38;BBOX=1128900.381669475%2C5866529.499870181%2C1129865.3991515755%2C5867494.517352281</a></p>	

#### Associated revisions

##### Revision 0d696ef1 - 2018-11-20 06:26 PM - Alessandro Pasotti

[server] Fix invalid xml in getfeatureinfo

Fixes #20549 - error in parsing WMS GetFeatureInfo as XML

Also s/meta/META/ for consistency with all other tags

#### History

##### #1 - 2018-11-19 04:56 PM - Giovanni Manghi

- Status changed from Open to Feedback

No error here with the provided URL.

##### #2 - 2018-11-19 05:10 PM - Umberto Minora

There's no error in the GetFeatureInfo request.

But if you look in the source

(view-source:https://www.wondermap.it/cgi-bin/qgis\_mapserv.fcgi?&#38;map=/home/ubuntu/qgis/projects/Demo\_sci\_WMS/demo\_sci.qgs&#38;SERVICE=WMS&#38;VERSION=1.3.0&#38;REQUEST=GetFeatureInfo&#38;FORMAT=image%2Fpng&#38;TRANSPARENT=true&#38;QUERY\_LAYERS=domini%20sciabili&#38;LAYERS=domini%20sciabili&#38;INFO\_FORMAT=text%2Fhtml&#38;I=50&#38;J=50&#38;CRS=EPSG%3A3857&#38;STYLES=&#38;WIDTH=101&#38;HEIGHT=101&#38;BBOX=1128900.381669475%2C5866529.499870181%2C1129865.3991515755%2C5867494.517352281) you'll notice that the <meta> tag is not closed.

This is fine from HTML point of view, but not in XML.

if you make (as I do) an XML HttpRequest and try to change the response to XML (see <https://developer.mozilla.org/en-US/docs/Web/API/XMLHttpRequest/responseXML>), it will fail.

### #3 - 2018-11-19 05:35 PM - Umberto Minora

The reason why I am using responseXML is to catch WMS Exception (see <https://stackoverflow.com/a/51723660/1979665>).

### #4 - 2018-11-19 08:06 PM - Giovanni Manghi

- Status changed from Feedback to Open

### #5 - 2018-11-19 10:42 PM - Uroš Preložnik

Umberto Minora wrote:

*This is fine from HTML point of view, but not in XML.  
if you make (as I do) an XML HttpRequest and try to change the response to XML (see <https://developer.mozilla.org/en-US/docs/Web/API/XMLHttpRequest/responseXML>), it will fail.*

If you need response in XML, why not just ask it with INFO\_FORMAT=text/xml instead of text/html.

### #6 - 2018-11-20 09:15 AM - Umberto Minora

Uroš Preložnik wrote:

*If you need response in XML, why not just ask it with INFO\_FORMAT=text/xml instead of text/html.*

Because not all WMS accepts INFO\_FORMAT=text/xml.

For example, Mapserver has default text/plain ([https://mapserver.org/uk/ogc/wms\\_server.html#web-object-metadata](https://mapserver.org/uk/ogc/wms_server.html#web-object-metadata)).

I know it's not a big deal, but it's just to be cleaner in the response and allowing clients to be able to convert the server response to XML without getting this error. Again, I don't think it can be defined as bug though, it might be more a feature request.

### #7 - 2018-11-20 06:27 PM - Alessandro Pasotti

- Status changed from Open to In Progress

- Assignee set to Alessandro Pasotti

PR <https://github.com/qgis/QGIS/pull/8520>

### #8 - 2018-11-21 01:31 PM - Anonymous

- Status changed from In Progress to Closed

- % Done changed from 0 to 100

Applied in changeset commit:qgis|0d696ef1e5a412968b1566d5150f4b0bcb6f6365.

**#9 - 2018-11-21 02:19 PM - Umberto Minora**

Thank you Alessandro, will test it soon!

**#10 - 2018-11-21 06:24 PM - Umberto Minora**

Anyway, if I have installed qgis-server using the deb package, should I wait for the next release before I can test it?

**#11 - 2018-11-21 07:44 PM - Alessandro Pasotti**

Yes, unless you test the nightly builds or a docker image built from a recent master

**#12 - 2018-11-27 11:20 PM - Umberto Minora**

*- Status changed from Closed to Reopened*

Don't know if I miss anything but I updated qgis-server to 3.4.2 expecting to see the closing meta tag resolved, but I seem to still have the same error.

From here I see this fix was included in the last release:[https://github.com/qgis/QGIS/compare/final-3\\_4\\_2...master](https://github.com/qgis/QGIS/compare/final-3_4_2...master). However, looking at the

GetFeatureInfo response of my WMS it seems the same as before:

(view-source:[https://www.wondermap.it/cgi-bin/qgis\\_mapserv.fcgi?map=/home/ubuntu/qgis/projects/Demo\\_sci\\_WMS/demo\\_sci.qgs&SERVICE=WMS&VERSION=1.3.0&REQUEST=GetFeatureInfo&FORMAT=image%2Fpng&TRANSPARENT=true&QUERY\\_LAYERS=domini\\_sciabili&LAYERS=domini\\_sciabili&INFO\\_FORMAT=text%2Fhtml&I=50&J=50&CRS=EPSG%3A3857&STYLES=&WIDTH=101&HEIGHT=101&BBOX=1162989.3853589566%2C5840094.740094.709100607%2C1170709.5252157594%2C5847814.848957409](https://www.wondermap.it/cgi-bin/qgis_mapserv.fcgi?map=/home/ubuntu/qgis/projects/Demo_sci_WMS/demo_sci.qgs&SERVICE=WMS&VERSION=1.3.0&REQUEST=GetFeatureInfo&FORMAT=image%2Fpng&TRANSPARENT=true&QUERY_LAYERS=domini_sciabili&LAYERS=domini_sciabili&INFO_FORMAT=text%2Fhtml&I=50&J=50&CRS=EPSG%3A3857&STYLES=&WIDTH=101&HEIGHT=101&BBOX=1162989.3853589566%2C5840094.740094.709100607%2C1170709.5252157594%2C5847814.848957409)).

I tried to clear the cache, update QGIS DESKTOP and replacing the former qgs project on the server with the one saved with the newer (3.4.2) version, but still the same result.

Am I missing something? Thanks in advance for any feedback.

**#13 - 2018-11-27 11:52 PM - Alessandro Pasotti**

I wasn't backported to 3.4, it will be in 3.6

**#14 - 2018-11-28 08:01 AM - Giovanni Manghi**

*- Resolution set to fixed/implemented*

*- Status changed from Reopened to Closed*