QGIS Application - Bug report #6941
WMS requests exceeding extents

2013-01-03 10:26 AM - Jonathan Moules

Status:	Closed			
Priority:	Normal			
Assignee:				
Category:	Web Services clients/WMS			
Affected QGIS version:1.8.0		**Regression?:**	No	
Operating System:		**Easy fix?:**	No	
Pull Request or Patch supplied:		**Resolution:**	not reproducable	
Crashes QGIS or corrupts data:		**Copied to github as #:**	16054	

Description

After some deliberation and investigation, I think this is a QGIS bug rather than GeoServer.
I have a WMS 1.3.0 layer being served by a GeoServer 2.2.2 install.

I start with a blank project and add a layer (this is so QGIS doesn't automatically pan to the WMS). I then make sure I am looking **away**
from whereever the WMS layer will be added.
I then add the WMS layer.
At this point, QGIS locks up for about 30 seconds using 100% of the CPU.

Looking at the Geoserver logs, it seems that QGIS has made a request to the WMS and GeoServer is trying to serve it. The delay is
GeoServer rendering a map with ~50,000 elements.
The bug is: the WMS can't possibly on the screen when I add it, the bounding boxes don't merge.
I'm viewing:
bottom left: 409355,378801
top right: 420152,384476

The bounding box of the layer as declared in GeoServer (and the GetCapabilities) is:

    <BoundingBox CRS="EPSG:27700" minx="265000.0" miny="270000.0" maxx="285000.0" maxy="385000.0"/>

The request QGIS has made to geoserver is:

    2013-01-03 17:37:08,553 DEBUG [org.geotools.jdbc] - Setting parameter 1 as
    MDSYS.SDO_GEOMETRY(2003,27700,NULL,MDSYS.SDO_ELEM_INFO_ARRAY(1,1003,3),MDSYS.SDO_ORDINATE_ARRAY(260137
    AY(260137.473441875,262244.437679375,289324.518804125,392778.766678625))

Because the layer extent is declared in the GetCapabilities, QGIS should know not to request a map, let alone one of the entire area.
ArcGIS doesn't make a request in these circumstances.

This even happens if I do it the other way - super zoomed in.
I'm viewing:
Bottom left: 278510,378502
Top Right: 278676,378568
Which is an area about 1.5hectares - zoomed to 1:380. This does include a small portion of the WMS area < 1%.

But QGIS is doing the exact same thing (or is inducing GeoServer to), requesting:

    MDSYS.SDO_ELEM_INFO_ARRAY(1,1003,3),MDSYS.SDO_ORDINATE_ARRAY(260137.473441875,262244.437679375,28
    9324.518804125,392778.766678625))

As you can see, its identical to the first bounding box requested when off the map. When I run this through Oracle its actually selecting every single feature!

This may be GeoServer, but as it doesn't happen with ArcGIS I'm inclined to suspect its QGIS.
I've attached the entire relevant part of the GeoServer logs. All of that happens between clicking "add" and the layer being added for the second example above.

History

#1 - 2013-01-03 12:03 PM - Jürgen Fischer

- Subject changed from Bug - Adding WMS to WMS requests exceeding extents

#2 - 2013-06-02 08:50 AM - Giovanni Manghi

- Priority changed from High to Normal

#3 - 2017-05-01 01:09 AM - Giovanni Manghi

- Easy fix? set to No

- Regression? set to No

#4 - 2018-03-01 12:24 PM - Giovanni Manghi

- Status changed from Open to Feedback

Please test with a recent QGIS release (2.18 or 3), if the issue/request is still valid change the affected version accordingly, if is fixed/implemented then close the ticket. Thanks!

#5 - 2018-08-16 10:29 AM - Giovanni Manghi

- Resolution set to not reproducable

- Status changed from Feedback to Closed

- Description updated

Closing for lack of feedback.

Files

geoserver_logs.txt	4.57 KB	2013-01-03	Jonathan Moules