

QGIS Application - Bug report #9395

WFS layers time out, even though the timeout is not reached

2014-01-21 07:23 AM - Jacob Madsen

Status:	Closed	
Priority:	Normal	
Assignee:		
Category:	Web Services clients/WFS	
Affected QGIS version:	2.10.0	Regression?: No
Operating System:		Easy fix?: No
Pull Request or Patch supplied:		Resolution:
Crashes QGIS or corrupts data:		Copied to github as #: 17993
Description		
<p>Whenever I open existing projects containing WFS layers, I often get errors like this in the log, and the layer is marked as "Invalid":</p> <p>"Network request http://wfs.brandsoft.dk/geoserver/wfs_service_stroeby/ows?SERVICE=WFS&#38;VERSION=1.0.0&#38;TYPENAME=wfs_service_stroeby:Strøby_Afdeling&#38;&#38;REQUEST=DescribeFeatureType timed out"</p> <p>I can then manually re-query the layer from the WFS server, and it loads up just fine. It seems to me, that WFS does not respect the value "Network query timeout (ms)" in Options->Network, where the default is 60000, ie one minute, which should be more than enough.</p> <p>Can somebody please verify this - or give another probably reason as for why this happens?</p>		

History

#1 - 2014-01-22 11:15 AM - Giovanni Manghi

- Priority changed from High to Normal
- Operating System deleted (Windows 32-bit)
- OS version deleted (7 and newer)

Yes, it happens many times and the timeout option does not seems to have any effect.

#2 - 2014-02-17 05:01 AM - Jacob Madsen

Could I get some feedback on this? Still reproduces from time to time on build commit:57dd877

#3 - 2014-02-18 02:20 AM - Jacob Madsen

- Assignee changed from Marco Hugentobler to Jürgen Fischer

Hi Jürgen

As you seem to know the networking code of QGIS very well, could I get you to take a look at this? It's my only known remaining issue for 2.0 master. It would be really, REALLY great, if something could be done about this.

Thanks in advance,
Jacob

#4 - 2014-02-18 06:00 AM - Matthias Kuhn

- Assignee changed from Jürgen Fischer to Matthias Kuhn

I'm currently having a look at this. Assigning to myself to avoid doubled up work.

#5 - 2014-02-18 07:19 AM - Jacob Madsen

- Status changed from Open to Closed

I've not been able to fully determine, that is a QGIS issue and not a Geoserver issue. For that reason, I'll close this issue until I eventually see it again and can provide more information.

#6 - 2015-02-04 05:49 AM - Jacob Madsen

Hello

I need to reopen this case. This issue still occurs frequently for specific users. I'm on QGIS 2.6 now, and the server is GeoServer 2.6.2. The WFS layers are running against an Oracle 12c database with the newest JDBC driver available. I don't see what else can be updated in this setup.

When the user gets the timeout on the client, I have monitored Geoserver's log file. I can see, that the requests indeed are made. The problem is, that it occurs sporadically and is not easy to reproduce.

Can somebody help here?

#7 - 2015-02-05 02:01 AM - Giovanni Manghi

Jacob Madsen wrote:

Hello

I need to reopen this case. This issue still occurs frequently for specific users. I'm on QGIS 2.6 now, and the server is GeoServer 2.6.2. The WFS layers are running against an Oracle 12c database with the newest JDBC driver available. I don't see what else can be updated in this setup.

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Can somebody help here?

does the issue surfaces by using other wfs clients? and older qgis releases?

#8 - 2015-02-09 06:24 AM - Jacob Madsen

As far as I know, we encountered this issue back as early as version 2.0, and it's been present since.

We have not tried other wfs-t clients, as I've been unable to find any really usable ones. uDig seems quite broken to me. Can you recommend any alternatives?

#9 - 2015-02-09 12:12 PM - Giovanni Manghi

Jacob Madsen wrote:

As far as I know, we encountered this issue back as early as version 2.0, and it's been present since.

and in qgis 1.8 (or earlier)?

Can you recommend any alternatives?

gvSIG has a wfs client.

#10 - 2015-02-11 07:16 AM - Jacob Madsen

Giovanni Manghi wrote:

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I tried gvSIG Desktop, but its WFS client doesn't seem to support services, which require username and password, so I can't use it. If I try against one of my services, instead of asking for a username and password, I just get the message "Connection failed. Server redirected too many times (20)". Do you know of other WFS-T clients I can try? I can't just allow open access to production data.

#11 - 2015-02-12 03:19 AM - Giovanni Manghi

I tried gvSIG Desktop, but its WFS client doesn't seem to support services, which require username and password, so I can't use it. If I try against one of my services, instead of asking for a username and password, I just get the message "Connection failed. Server redirected too many times (20)". Do you know of other WFS-T clients I can try? I can't just allow open access to production data.

kosmo gis seems to have a wfs client with authentication support.

#12 - 2015-11-27 09:55 AM - Miguel Penteado

- Assignee changed from Matthias Kuhn to Giovanni Manghi

- Status changed from Closed to Reopened

Dear Developers

I have experienced same trouble. My configuration is that:

=====Server machine=====	=====Client=====
=====	=====
=====	=
=====	
=	
<POSTGRES/POSTGIS 9.3>=====<JDBC>=<Geo Server 2.8 stable>(WFS-server)=====	==(WFS-Client)< QGIS 2.10>
=====	=====
=====	=
=====	
=	
=====Linux Localhost=====	=====Linux Client=====
=====	

I figured that wfs client timeout's happens on qgis 2.10 at 20 secs, if it don't get yet features from server (in my case: query started by geoserver on postgis belongs 4 minutes before send results back to geoserver, and then, back to wfs client).

So a had tried to download sgml file from wfs server with a simple raw curl http client, something like that:

```
curl -X 'GET' -H '*Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8*' -H 'Accept-Encoding: deflate' -H 'Accept-Language: pt-BR,en-US;q=0.7,en;q=0.3' -H 'Connection: keep-alive' -H 'Host: myserver.com.br:8080' -H 'User-Agent: Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:40.0) Gecko/20100101 Firefox/40.0' --cookie 'JSESSIONID=9742EBB3A203846020AA3D7F130CFB5C' --cookie '_ga=GA1.3.1360557005.1435772510' --cookie 'csrftoken=FeHsf4ptLa5dZ7CGRFvuyxI2z8zMWIBh' --cookie 'LtpaToken=AAECAzU2NTg0ODU5NTY1ODU2NjIjDTj1NaWd1ZWwgU3VhcmV6IFhhdmlldmBQZW50ZWFKby9PVT1TUC9PPUICR0VKF79kMTMTO5yzUbnmdIKUbnmdIK5e+qZXg=='
'http://myserver.com.br:8080/geoserver/americana/ows?service=WFS&version=1.0.0&request=GetFeature&typeName=americana:americana-eixos' > americana-eixos.xml
```

The curl result:

```
% Total % Received % Xferd Average Speed Time Time Time Current
Dload Upload Total Spent Left Speed
100 47.6M 0 47.6M 0 0 161k 0 --:--:-- 0:05:01 --:--:-- 11.2M
```

curl "wfs client" <-no-timeout--5 min-> geoserver

QGIS wfs client <----timeout--20 secs-> geoserver

In my suspects, there are some python code parameter in WFS client code on QGIS that sets timeouts if servers don't send any features in 20 secs (by default). Timeout is on client side.

Best regards

Miguel Suez Xve Penteado

#13 - 2015-11-27 10:01 AM - Giovanni Manghi

- Affected QGIS version changed from 2.0.1 to 2.10.0
- Assignee deleted (Giovanni Manghi)
- Target version deleted (Future Release - High Priority)

#14 - 2016-01-16 12:28 PM - Jeremy Palmer

I think this issue can be best resolved by first respecting the server-side timeout setting. Currently the QGIS network timeout settings will cancel a query even if server is still in progress. I think one option here is to Change the user defined client-side timeout setting option to allow users to turn it off. e.g value of 0 = wait for server to timeout. In the content of the WFS provider its certainly best to let the server timeout, or let the user can cancel the request via the WFS progress dialog.

#15 - 2016-01-19 10:19 AM - Even Rouault

Regarding the 60s default timeout not being observed, I noticed it was ~ 20 seconds. This is because of an inconsistency in the default value of the parameter :

```
../src/core/qgshttptransaction.h: int networkTimeout() const { return mNetworkTimeoutMsec;}  
../src/core/qgshttptransaction.cpp: mNetworkTimeoutMsec = s.value( "/qgis/networkAndProxy/networkTimeout", "20000" ).toInt();  
../src/core/qgshttptransaction.cpp: mNetworkTimeoutMsec = s.value( "/qgis/networkAndProxy/networkTimeout", "20000" ).toInt();  
../src/core/qgsnetworkaccessmanager.cpp: timer->start( s.value( "/qgis/networkAndProxy/networkTimeout", "20000" ).toInt() );  
../src/app/qgsoptions.cpp: mNetworkTimeoutSpinBox->setValue( mSettings->value( "/qgis/networkAndProxy/networkTimeout", "60000" ).toInt() );  
../src/app/qgsoptions.cpp: mSettings->setValue( "/qgis/networkAndProxy/networkTimeout", mNetworkTimeoutSpinBox->value() );  
../src/app/qgisapp.cpp: timer->start( s.value( "/qgis/networkAndProxy/networkTimeout", "20000" ).toInt() );
```

Basically if you never override the value of the UI, the network code will use 20s, but the UI will display 60. A #define for the factory default would be better.

#16 - 2016-10-06 01:06 PM - Even Rouault

- Status changed from Reopened to Closed

I believe this was solved in 2.16