

QGIS Application - Bug report #20262

WFS provider: ERROR: Opening of authentication db FAILED

2018-10-29 03:12 PM - Richard Duivenvoorde

Status: Closed	
Priority: Normal	
Assignee: Nyall Dawson	
Category: Web Services clients/WFS	
Affected QGIS version: 3.5(master)	Regression?: No
Operating System:	Easy fix?: No
Pull Request or Patch supplied:	Resolution:
Crashes QGIS or corrupts data:	Copied to github as #: 28083

Description

In Current Master, when for example calling this wfs:

<https://geodata.nationaalgeoregister.nl/bag/wfs?request=GetCapabilities>

(epsg:28992, please zoom in enough to only show a couple of kilometres)

Sometimes (I think initiated by an 'abort') you will see a lot of:

ERROR: Opening of authentication db FAILED

Messages in the messagebar (see screenshot),

Debug output below.

Note that this IS not an authenticated service (it is public).

Not sure if it is really about the auth db, or maybe about the WFS-cache??? db?

Note that I'm behind a http-proxy here, not sure if that can be part of the issue.

ERROR: Opening of authentication db FAILED

/home/richard/bin/qgis/master/debug/bin/qgis(+0xcd40)[0x558ac11b9d40]

/home/richard/bin/qgis/master/debug/bin/qgis(+0xd1d7)[0x558ac11ba1d7]

/usr/lib/x86_64-linux-gnu/libQt5Core.so.5(+0xaee38)[0x7f8ca888ee38]

/usr/lib/x86_64-linux-gnu/libQt5Core.so.5(+0xaf0d8)[0x7f8ca888f0d8]

/usr/lib/x86_64-linux-gnu/libQt5Core.so.5(QMessageLogger::warning(char const*, ...) const+0xaf)[0x7f8ca886122f]

/usr/lib/x86_64-linux-gnu/libQt5Sql.so.5(+0x11c4f)[0x7f8caf984c4f]

/home/richard/bin/qgis/master/debug/lib/libqgis_core.so.3.5.0(QgsAuthManager::sslCertCustomConfigByHost(QString const&)+0x1af)[0x7f8caff768cd]

/home/richard/bin/qgis/master/debug/lib/libqgis_core.so.3.5.0(QgsNetworkAccessManager::createRequest(QNetworkAccessManager::Operation, QNetworkRequest const&, QIODevice*)+0x620)[0x7f8cb0235200]

/usr/lib/x86_64-linux-gnu/libQt5Network.so.5(QNetworkAccessManager::get(QNetworkRequest const&)+0x15)[0x7f8ca8d1bbc5]

/home/richard/bin/qgis/master/debug/lib/qgis/plugins/libwfsprovider.so(+0x75d29)[0x7f8c7beb1d29]

/home/richard/bin/qgis/master/debug/lib/qgis/plugins/libwfsprovider.so(+0x798fe)[0x7f8c7beb58fe]

/home/richard/bin/qgis/master/debug/lib/qgis/plugins/libwfsprovider.so(std::function<void ()>::operator())()

const+0x32)[0x7f8c7beb6926]

/home/richard/bin/qgis/master/debug/lib/qgis/plugins/libwfsprovider.so(+0x7712c)[0x7f8c7beb312c]

/home/richard/bin/qgis/master/debug/lib/qgis/plugins/libwfsprovider.so(+0x6989a)[0x7f8c7bea589a]

/home/richard/bin/qgis/master/debug/lib/qgis/plugins/libwfsprovider.so(+0x6bd5d)[0x7f8c7bea7d5d]

/usr/lib/x86_64-linux-gnu/libQt5Core.so.5(+0xc2c97)[0x7f8ca88a2c97]

/lib/x86_64-linux-gnu/libpthread.so.0(+0x7f2a)[0x7f8ca81e1f2a]

```
/lib/x86_64-linux-gnu/libc.so.6(clone+0x3f)[0x7f8ca82f2edf]
../src/core/qgsmessagelog.cpp: 29: (logMessage) [18ms] [thread:0x7f8c10477320] 2018-10-29T14:34:17 Qt[1]
QSqlQuery::prepare: database not open
../src/core/auth/qgsauthmanager.cpp: 3647: (authDbQuery) [0ms] [thread:0x7f8c10477320] Auth db query exec() FAILED
../src/core/qgsnetworkaccessmanager.cpp: 96: (queryProxy) [0ms] [thread:0x7f8c10477320] using fallback proxy for
https://geodata.nationaalgeoregister.nl/bag/wfs?SERVICE=WFS&REQUEST=GetFeature&VERSION=2.0.0&TYPENAMES=bag:pand&STAF
:pand&STARTINDEX=41000&COUNT=1000&SRSNAME=urn:ogc:def:crs:EPSG::28992&BBOX=32388.60293342829027097,374470.2124
74470.21242620510747656,54231.19356689201958943,391744.00903031969210133,urn:ogc:def:crs:EPSG::28992
../src/core/qgsnetworkaccessmanager.cpp: 223: (createRequest) [0ms] [thread:0x7f8c10477320] Created [reply:7f8bdc101b90]
```

Associated revisions

Revision a392a160 - 2018-11-01 07:35 PM - Nyal Dawson

Fix authentication database connections

Fixes the authentication database cannot be opened in some circumstances.

We need to ensure that the pooled database connection is removed immediately on thread finalisation and cannot defer this until the main thread event loop runs.

Fixes #20262

Revision fe3f9171 - 2018-11-01 11:54 PM - Nyal Dawson

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Fixes the authentication database cannot be opened in some circumstances.

We need to ensure that the pooled database connection is removed immediately on thread finalisation and cannot defer this until the main thread event loop runs.

Fixes #20262

(cherry picked from commit a392a160e6d7fdc70e3da857dc1aedb601a70007)

History

#1 - 2018-10-30 07:07 AM - Mathieu Pellerin - nIRV

Richard, the reason you are seeing this is because the WFS layer is served through an HTTPS (i.e. secure/encrypted) connection. HTTPS connections trigger a call to the authentication manager (to seek e.g. custom certificates).

I'm also seeing this for XYZ layers. A band aid to avoid a flood of message bar items has been submitted: <https://github.com/qgis/QGIS/pull/8372>

#2 - 2018-10-30 08:06 AM - Richard Duivenvoorde

Ok, thanks Mathieu. But limiting the amount of msg's is/should indeed a temporal fix isn't it?

I wonder now why QGIS cannot actually open a/the db anymore?

Because I (think) I do not have one? We then can maybe create an empty one in the profile?
Or is it locked? We should think of solution for that then if possible?

Anyway thanks for this fix already!

#3 - 2018-10-30 08:15 AM - Alessandro Pasotti

the proxy settings are normally stored in the authentication DB because they may contain credentials with passwords.

You should try to understand why the authentication DB cannot be opened.

#4 - 2018-10-30 09:42 AM - Luigi Pirelli

as spotted by Mathieu Pellerin the error is rised due to this PR commit:69dab87d4a254bca9c3b22ae0dc07af3f22c6a1a. that is necessary after the adoption of qt5.11

#5 - 2018-10-30 09:44 AM - Richard Duivenvoorde

Hi Paolo,

We are talking about qgis-auth.db isn't it? File looks normal to me. I can (during the time QGIS is complaining) open it with sqlitebrowser.

The Qt tab in Log Messages shows:

```
2018-10-30T09:32:07 WARNING QSqlDatabasePrivate::database: requested database does not belong to the calling thread.
2018-10-30T09:32:07 WARNING QSqlQuery::prepare: database not open
```

At that time the Messages tab show:

```
2018-10-30T09:32:07 CRITICAL Authentication Manager : Opening of authentication db FAILED
2018-10-30T09:32:07 WARNING Authentication Manager : Auth db query exec() FAILED
```

To me here (I'm behind the proxy now) it is easy reproducible:

- create a really fresh profile
- add proxy network settings
- add WMST layer (eg <https://geodata.nationaalgeoregister.nl/bag/wfs?request=GetCapabilitiesP>)
- add one if its (epgs:28992) layers
- nothing wrong all requests fine, no errors
- add WFS connection, eg <https://geodata.nationaalgeoregister.nl/bag/wfs?request=GetCapabilities>
- without even adding the layer, QGIS starts spitting out the stream of warnigs and errors

Creating a new project and adding the wmst layer again: silence...

Add one of the layers from the wfs service (zoom in a LOT) and immediatly you see in Qt tab:

```
2018-10-30T09:43:01 CRITICAL Authentication Manager : Opening of authentication db FAILED
2018-10-30T09:43:01 WARNING Authentication Manager : Auth db query exec() FAILED
```

I have the feeling that sometimes I do not even have to add the wfs, but it happens also when only working with the wmts layer...?

#6 - 2018-10-30 09:45 AM - Richard Duivenvoorde

At Luigi, yep, I'm on 5.11.2:

QGIS version
3.5.0-Master
QGIS code revision
9e45223d42
Compiled against Qt
5.11.2
Running against Qt
5.11.2

#7 - 2018-10-30 11:53 PM - Nyal Dawson

- *Status changed from Open to In Progress*
- *Assignee set to Nyal Dawson*

#8 - 2018-11-01 07:35 PM - Nyal Dawson

- *% Done changed from 0 to 100*
- *Status changed from In Progress to Closed*

Applied in changeset commit:qgis|a392a160e6d7fdc70e3da857dc1aedb601a70007.

Files

authentication.png	121 KB	2018-10-29	Richard Duivenvoorde
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