

QGIS Application - Bug report #12054

ODBC and geodatabase access fails on windows 7 64 bits

2015-01-26 02:28 AM - Regis Haubourg

Status:	Closed		
Priority:	High		
Assignee:			
Category:	Data Provider		
Affected QGIS version:	2.6.0	Regression?:	No
Operating System:	Windows - x64	Easy fix?:	No
Pull Request or Patch supplied:	No	Resolution:	up/downstream
Crashes QGIS or corrupts data:	No	Copied to github as #:	20256
Description			
<p>Hi,</p> <p>ODBC access and geodatabase access that is internally based on ODBC fails on windows 64 bits platforms,.</p> <p>This is related to two differents implementations of ODBC manager, one for 32 bits, the other for 64 bits. I guess QGIS or GDAL uses always 32 bit executable.</p> <p>See this article</p> <p>This ticket is probably concerning GDAL upstream. Can anyone confirm? If true, I will file a ticket there.</p>			
Related issues:			
Related to QGIS Application - Bug report # 18234: Esri Personal GeoDatabase (...)		Closed	2018-02-26
Duplicates QGIS Application - Bug report # 8752: Unable to open ESRI personal...		Closed	2013-10-02
Duplicated by QGIS Application - Bug report # 13927: add layer vector mdb		Closed	2015-12-01

History

#1 - 2015-01-26 06:27 AM - Jürgen Fischer

see also [GDAL !#5594](#)

#2 - 2015-01-27 04:28 AM - Jürgen Fischer

I can open the mdb attached to #8752 using following in the qgis.bat:

```
set OGR_SKIP=ODBC
set PGEO_DRIVER_TEMPLATE=DRIVER=Microsoft Access Driver (*.mdb, *.accdb);DBQ=%s
```

Apparently OGR's ODBC driver takes precedence over the PGEO driver and has the same problems as the PGEO driver w/o PGEO_DRIVER_TEMPLATE, which it obviously doesn't use.

edit: quotes removed

#3 - 2015-01-27 05:10 AM - Regis Haubourg

Jürgen Fischer wrote:

```
I can open the mdb attached to #8752 using following in the {{qgis.bat}}:
```

[...]

Apparently OGR's ODBC driver takes precedence over the PGEO driver and has the same problems as the PGEO driver w/o PGEO_DRIVER_TEMPLATE, which it obviously doesn't use.

That solution doesn't work here..

#4 - 2015-01-27 05:42 AM - Jürgen Fischer

Regis Haubourg wrote:

That solution doesn't work here..

Odd. I must have added the quotes after I tried. Without the quotes it works here...

#5 - 2015-01-27 08:14 AM - Regis Haubourg

Jürgen Fischer wrote:

Regis Haubourg wrote:

That solution doesn't work here..

Odd. I must have added the quotes after I tried. Without the quotes it works here...

With or without quotes, I still don't get it to work. I double checked that env var were correctly seen from qgis session.

#6 - 2015-01-27 02:47 PM - Jürgen Fischer

Regis Haubourg wrote:

With or without quotes, I still don't get it to work. I double checked that env var were correctly seen from qgis session.

Just to confirm: you have the [64bit Microsoft Access driver](#) installed?

#7 - 2015-01-28 08:27 AM - Regis Haubourg

Ouch, you get it!

But no way to solve that issue - Redmond's fault : * It is not possible to install 64 bit access driver when Office is running 32 bit* (WTF?!).

My sys admin won't upgrade office to 64 bit, since Office 2010 is advertised NOT TO BE USED by Microsoft itself.. I couldn't have QGIS 32 bit use ODBC on a 64 bit windows platform..

So, I see few solutions:

- bet that office 2013 will upgrade to 64 bits
- fund OGR drivers that do not rely on Microsoft drivers, like xls drivers. Are you aware of such tools?

I'm a bit puzzled.. Interoperability loses a lot there..

#8 - 2015-01-28 10:22 AM - Jürgen Fischer

Regis Haubourg wrote:

Ouch, you get it!

*But no way to solve that issue - Redmond's fault : * It is not possible to install 64 bit access driver when Office is running 32 bit* (WTF?!).*

My sys admin won't upgrade office to 64 bit, since Office 2010 is advertised NOT TO BE USED by Microsoft itself.. I couldn't have QGIS 32 bit use ODBC on a 64 bit windows platform..

Whether your operating system is 32bit or 64bit doesn't really matter. You can use 32bit QGIS on both. But you need a 32bit ODBC driver for it (and that might still advertise itself without *.acdb and you don't need PGEO_DRIVER_TEMPLATE).

If you want 64bit QGIS you need a 64bit OS and a 64bit ODBC driver - and AFAIK there is no 64bit Access ODBC driver without *.acdb so you always need PGEO_DRIVER_TEMPLATE (and in turn OGR_SKIP) too.

As you don't need to configure a data source manually for GDAL/QGIS you don't need to be careful to use the odbcad32.exe from %WINDIR%\SYSWOW64 on a 64bit systems to configure 32bit data sources either (but you can use it to verify which 32bit ODBC drivers you have).

So, I see few solutions:

- bet that office 2013 will upgrade to 64 bits

- find OGR drivers that do not rely on Microsoft drivers, like xls drivers. Are you aware of such tools?

I'm a bit puzzled.. Interoperability loses a lot there..

On Unix GDAL uses unixodbc and mdbtools - I guess that could be stripped down to work on Windows. But I don't think it's worth the effort - even ESRI switched to something else, didn't they?

#9 - 2015-01-29 02:12 AM - Regis Haubourg

Hi,

here is a [tip](#) to install 64 bit access driver if Office 32 bit is installed

That works ! Hope that won't break office too much..

#10 - 2015-01-29 02:21 AM - Regis Haubourg

Shall I close the ticket ? Any work remaining on OGR side?

#11 - 2015-01-29 02:26 AM - Regis Haubourg

Jürgen Fischer wrote:

Regis Haubourg wrote:

Ouch, you get it!

*But no way to solve that issue - Redmond's fault : * It is not possible to install 64 bit access driver when Office is running 32 bit* (WTF?!).*

My sys admin won't upgrade office to 64 bit, since Office 2010 is advertised NOT TO BE USED by Microsoft itself.. I couldn't have QGIS 32 bit use ODBC on a 64 bit windows platform..

*Whether your operating system is 32bit or 64bit doesn't really matter. You can use 32bit QGIS on both. But you need a 32bit ODBC driver for it (and that might still advertise itself without *.accdbe and you don't need PGEO_DRIVER_TEMPLATE).*

Does that mean it's not possible to open classical mdb files (non geodatabases)? I couldn't open any, when Geodb are allright

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So, I see few solutions:

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I'm a bit puzzled.. Interoperability looses a lot there..

On Unix GDAL uses unixodbc and mdbtools - I guess that could be stripped down to work on Windows. But I don't think it's worth the effort - even ESRI switched to something else, didn't they?

Well, users seem to keep working with it (not here, but we rely on them) because they have a Access relational db GUI , when other formats do not allow such things..

#12 - 2015-01-29 05:18 AM - Regis Haubourg

Regis Haubourg wrote:

*Hi,
here is a [tip](#) to install 64 bit access driver if Office 32 bit is installed:
That works ! Hope that won't break office too much..*

EDIT: This tips breaks office 32 bit access install. DO NOT FOLLOW THAT !

#13 - 2015-01-31 01:07 AM - Jürgen Fischer

- Status changed from Open to Closed*
- Resolution set to up/downstream*

Addressed in GDAL trunk

#14 - 2018-05-11 01:22 AM - Jürgen Fischer

- Related to Bug report #18234: Esri Personal GeoDatabase (*.mdb file) added*