

## RE: DBD::Solid or DBD::ODBC with Solid

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*Source:* <http://coding.derkeiler.com/Archive/Perl/perl.dbi.users/2006-04/msg00227.html>

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- *From:* [martin.evans@xxxxxxxxxxxxx](mailto:martin.evans@xxxxxxxxxxxxx) (Martin J. Evans)
  - *Date:* Fri, 21 Apr 2006 09:18:34 +0100 (BST)
- 

Simon,

I can't tell from this why it is not working.

Assuming the entries you mentioned are in the `odbcinst.ini` and `odbc.ini` files used by `unixODBC` (the output of `odbcinst -j`) and the shared object for your driver can be loaded then it should work. You haven't by any chance set the `ODBCINI` or `ODBCINSTINI` environment variables have you? If not then the only thing I can suggest is you send an `strace` (Linux) or `truss` (Solaris) of the `isql` run – don't bother mailing it to the list – it will be too big.

Martin

—

Martin J. Evans  
Easysoft Ltd, UK  
<http://www.easysoft.com>

On 20-Apr-2006 Simon Windsor wrote:

Hi

Thanks for your response again.

The `odbc.ini` file is located at `/opt/utran/apps/unixODBC/etc/odbc.ini`  
The `odbcinst.ini` file is located  
at `/opt/utran/apps/unixODBC/etc/odbcinst.ini`

The output you asked for below,

Simon

Checking for SQLConnect

```
-----  
dltest /opt/utran/apps/unixODBC/Solid4.5/bin/sacs9x45.so SQLConnect  
SUCCESS: Loaded /opt/utran/apps/unixODBC/Solid4.5/bin/sacs9x45.so  
SUCCESS: Found SQLConnect
```

Trace file for isql -v hh1tnes04\_Today user password

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```
[ODBC][7651][__handles.c][444]
Exit:[SQL_SUCCESS]
Environment = 27308
[ODBC][7651][SQLAllocHandle.c][345]
Entry:
Handle Type = 2
Input Handle = 27308
[ODBC][7651][SQLAllocHandle.c][463]
Exit:[SQL_SUCCESS]
Output Handle = 27ca8
[ODBC][7651][SQLConnect.c][3549]
Entry:
Connection = 27ca8
Server Name = [hh1tnes04_Today][length = 15
(SQL_NTS)]
User Name = [unsupported][length = 11
(SQL_NTS)]
Authentication = [*****][length = 10
(SQL_NTS)]
[ODBC][7651][SQLConnect.c][3758]Error: IM002
[ODBC][7651][SQLError.c][424]
Entry:
Connection = 27ca8
SQLState = ffbef4f0
Native = ffbef4e8
Message Text = ffbef500
Buffer Length = 500
Text Len Ptr = ffbef4ee
[ODBC][7651][SQLError.c][461]
Exit:[SQL_SUCCESS]
SQLState = IM002
Native = ffbef4e8 -> 0
Message Text = [[unixODBC][Driver Manager]Data
source name not found, and no default driver specified]

[ODBC][7651][SQLError.c][424]
Entry:
Connection = 27ca8
SQLState = ffbef4f0
Native = ffbef4e8
Message Text = ffbef500
Buffer Length = 500
Text Len Ptr = ffbef4ee
[ODBC][7651][SQLError.c][461]
Exit:[SQL_NO_DATA]
[ODBC][7651][SQLError.c][504]
Entry:
Environment = 27308
SQLState = ffbef4f0
```

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Native = ffbef4e8  
Message Text = ffbef500  
Buffer Length = 500  
Text Len Ptr = ffbef4ee  
[ODBC][7651][SQLError.c][541]  
Exit:[SQL\_NO\_DATA]  
[ODBC][7651][SQLFreeHandle.c][268]  
Entry:  
Handle Type = 2  
Input Handle = 27ca8  
[ODBC][7651][SQLFreeHandle.c][317]  
Exit:[SQL\_SUCCESS]  
[ODBC][7651][SQLFreeHandle.c][203]  
Entry:  
Handle Type = 1  
Input Handle = 27308

On Thu, 2006-04-20 at 14:43 +0100, Martin J. Evans wrote:

On 20-Apr-2006 Simon Windsor wrote:

Hi

Thanks for the prompt response.

Here goes ...

=====  
odbjinst -j  
-----

unixODBC 2.2.11  
DRIVERS .....:  
/opt/utran/apps/unixODBC/etc/odbcinst.ini  
SYSTEM DATA SOURCES:  
/opt/utran/apps/unixODBC/etc/odbc.ini  
USER DATA SOURCES.: /opt/utran/.odbc.ini

odbcinst.ini  
-----

[solid\_driver\_45]  
Driver =  
/opt/utran/apps/unixODBC/Solid4.5/bin/sacs9x45.so  
Trace = Yes  
TraceFile = /tmp/sql\_45.log

This odbcinst.ini file needs to be /opt/utran/apps/unixODBC/etc/odbcinst.ini  
-  
you don't actually say if it is or not.

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The Trace and TraceFile are ODBC options so go in the [odbc] section:

```
[ODBC]
Trace = Yes
TraceFile = /tmp/sql_45.log
```

```
[solid_driver_45]
Driver = /opt/utran/apps/unixODBC/Solid4.5/bin/sacs9x45.so
```

You won't get much of a trace until the driver is loaded but assuming you make the change above, I'd re-run isql and look in /tmp/sql\_45.log.

```
odbc.ini (A few lines)
-----
[hh1tnes04_Today]
Driver = solid_driver_45
```

This odbc.ini file needs to be /opt/utran/apps/unixODBC/etc/odbc.ini or /opt/utran/.odbc.ini – here again – you didn't say.

I'm guessing you need extra attributes in here but it is not your current problem.

```
solid.ini (Sample Line)
-----
hh1tnes04_Today = tcp 192.168.57.52 1300
```

```
=====
I have set LD_LIBRARY_PATH to
include /opt/utran/apps/unixODBC/Solid4.5/bin and trying ...
```

```
isql DSN User Password -v
-----
[IM002][unixODBC][Driver Manager]Data source name not
found, and no
default driver specified.
[ISQL]ERROR: Could not SQLConnect
```

That should be

```
isql -v hh1tnes04_Today user password
```

because 1) hh1tnes04\_Today is the name of your DSN

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2) isql is a bit sensitive to options after args – put –v first

I have not tried DBD::ODBC yet, I have only attempted DBD::Solid, and now I am trying to get a working ODBC connection before using DBD::ODBC.

Finally, the output of ldd is

```
libc.so.1 => /usr/lib/libc.so.1
libm.so.1 => /usr/lib/libm.so.1
libsocket.so.1 => /usr/lib/libsocket.so.1
librt.so.1 => /usr/lib/librt.so.1
libnsl.so.1 => /usr/lib/libnsl.so.1
libdl.so.1 => /usr/lib/libdl.so.1
libaio.so.1 => /usr/lib/libaio.so.1
libmp.so.2 => /usr/lib/libmp.so.2
/usr/platform/FJSV,GPUZC-M/lib/libc_psr.so.1
```

Any help or insight you can offer is appreciated.

Simon

I'd do the above changes and if it does not work check the log file and if you get nothing in this I'd try something like:

```
dltest /opt/utran/apps/unixODBC/Solid4.5/bin/sacs9x45.so SQLConnect
```

to make sure unixODBC thinks you've got a SQLConnect in the ODBC driver.

BTW, I don't normally answer stuff not on the list as others cannot see what is going on and cannot help so it would be nice when this is running if you posted the problem/solution.

Martin

—

Martin J. Evans  
Easysoft Ltd, UK  
<http://www.easysoft.com>

On Thu, 2006-04-20 at 13:10 +0100, Martin J. Evans wrote:

RE: DBD::Solid or DBD::ODBC with Solid

On 20-Apr-2006 Simon Windsor wrote:

Hi

I have been asked to add a few reports using data from several Solid databases to a Solaris Webserver that I manage.

I have access to Solid SDK 3.7FE and 4.5.

I have checked DBD::Solid and it does not appear to support versions greater than 3.5.

I have tried unixODBC and DBD::ODBC, but I keep getting

```
[IM002][unixODBC][Driver
Manager]Data source name
not found
[ISQL]ERROR: Could not
SQLConnect
```

Can anyone provide any help/advice on how to get DBD::Solid working for 3.7Fe, or on configuring unixODBC(odbcinst.ini ?).

All the best

Simon

ps Sorry this is slightly off topic

What does odbcinst -j output?

How have you added a solid entry to your odbcinst.ini file and where is your odbcinst.ini file?

Where is your odbc.ini file and what does it

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look like?

Instead of using Perl, why not just run:

```
isql -v my_dsn_name my_username  
my_password
```

(it will be easier to diagnose the problem).

Have you set and exported  
LD\_LIBRARY\_PATH such that any shared  
objects  
required  
by the shared object named in Driver = xxx  
in your odbcinst.ini file are  
found.  
What does ldd on the shared object named  
by Driver = xxx report?

Martin

--

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