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Subject: IDL Dataminer and MySQL problem  
Posted by [Wox](#) on Wed, 16 Aug 2006 09:27:33 GMT  
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I'm trying to connect to a MySQL database from within IDL.

I could make it work on a windows PC after installing the appropriate driver (MyODBC), but on a Linux PC (fedora), I'm having problems that I couldn't google.

After installing the driver, I could connect to the database with odbc3m. Following check with odbc3i gives this driver information:  
odbc3i -q -d -n"MySQL ODBC 3.51 Driver"

```
Name.....: MySQL ODBC 3.51 Driver
DRIVER.....: /usr/lib/libmyodbc3.so
SETUP.....: /usr/lib/libmyodbc3S.so
```

So I added the following information to odbc.ini:  
[ODBC Data Sources]

```
...
MyODBC=MySQL ODBC 3.51 Driver
```

```
...
[MyODBC]
Driver  = /usr/lib/libmyodbc3.so
Description = MySQL ODBC 3.51 Driver
```

Then I tried in IDL to connect like this:

```
objDB->Connect,connection="DRIVER={MySQL ODBC 3.51
Driver};SERVER=***;DATABASE=***; USER=***;PASSWORD=***;OPTION=3;"
```

and this gives the following error message (with verbose=1):

```
% IDLDBDATABASE::CONNECT: ODBC SQL
Function=SQLDriverConnect,STATE=631,CODE=0,
      523 630
```

If you look for the error codes (e.g.  
<http://www.winsyslog.com/en/FAQ/odbc-error-codes.php> ), 631 is not mentioned. So I don't know what's going on.

Any ideas anyone?

Regards.  
Wout.

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Subject: Re: IDL Dataminer and MySQL problem  
Posted by [codepod](#) on Thu, 17 Aug 2006 19:46:31 GMT  
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I suspect the issue is the ODBC technology IDL uses. If I remember correctly, the ODBC supplier ITT uses for the dataminer module only allows the use of its drivers on UNIX/Linux platforms. On Windows you can use any vendor's drivers.

Unfortunately, MySQL support for Linux isn't provided currently by IDL. Some people have been successful using JDBC via the Java Export Bridge, but at this point Dataminer on Linux isn't going to provide a solution for MySQL.

The selection of this vendor and its policies are historical. When the dataminer was developed 11 years ago, ODBC only existed natively on Windows and a 3rd party was required to support ODBC on different platforms. Today, ODBC system support is native on Windows, Mac and Linux, but for now IDL is still using the vendor supplied system.

Cheers,  
-CP

Wox wrote:

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>  
>  
> Any ideas anyone?  
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> Regards.  
> Wout.

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Subject: Re: IDL Dataminer and MySQL problem  
Posted by [Marshall Perrin](#) on Sat, 19 Aug 2006 20:58:32 GMT  
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codepod@gmail.com <codepod@gmail.com> wrote:  
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> Linux, but for now IDL is still using the vendor supplied system.

Depending on how flexible your code is, I may have a solution for you.  
There's a series of pure IDL routines that access a MySQL database on  
Mac OS by opening a pipe to the command line MySQL application and  
passing text back and forth, from the Buie IDL library by Mark Buie et  
al. I've been using it for some time now with great success on Mac OS,  
and it should work just as well on Linux.

The interface isn't quite as polished as the Dataminer, but it works  
cross-platform and the price is right. :-)

<http://www.lowell.edu/users/buie/idl/idl.html>

- Marshall

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Subject: Re: IDL Dataminer and MySQL problem  
Posted by [Wox](#) on Sun, 20 Aug 2006 11:51:59 GMT  
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On Sat, 19 Aug 2006 20:58:32 +0000 (UTC), Marshall Perrin  
<[mperrin+news@serpens.berkeley.edu](mailto:mperrin+news@serpens.berkeley.edu)> wrote:

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> cross-platform and the price is right. :-)  
>  
> <http://www.lowell.edu/users/buie/idl/idl.html>  
>  
> - Marshall

Ok thanks, I'll check it out.

Wout.

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