DB/C FS Unix ODBC Setup Guide

## Installing Prerequisites

RHEL/Cent:

|  |
| --- |
| sudo yum install openssl unixODBC libiodbc |

Debian/Ubuntu:

|  |
| --- |
| sudo apt install openssl unixodbc libiodbc2 iodbc |

Mac OS:

|  |
| --- |
| sudo brew install openssl unixodbc libiodbc |

Note: OpenSSL1.1.1 / libssl1.1 is required. On some systems you will need to modify the command above to install **openssl11** instead of **openssl**.

## Installing DB/C FS Unix ODBC Driver

For version 5:

Download and extract the latest driver files from: <https://hera.producepro.com/client/fs5_drivers.zip>

For version 6:

Download and extract the latest driver files from: <https://hera.producepro.com/client/fs6_drivers.zip>

For version 101:

Download and extract the latest driver files from: <https://hera.producepro.com/client/fs101_drivers.zip>

Make the libraries have the proper attributes.

|  |
| --- |
| chmod a+rx fs\* |

### With root access

Make **setupodb** executable and run it. It will make sure unixODBC is installed and copy the **fsodbc\*** library files. Follow the instructions of the installer.

|  |
| --- |
| chmod +x setupodb sudo ./setupodb |

Create a file named fsdriver.tmp with these contents. If the install location was changed in the previous step (**/usr/local/lib**), you will need to adjust the **Driver** and **Setup** folders. Note, for Mac OS the libraries will have a .dylib extension instead of .a extension.

|  |
| --- |
| **[dbcfs]** Description = FS ODBC Driver Driver = /usr/local/lib/fsodbc.a Setup = /usr/local/lib/fsodbcu.a FileUsage = 1 |

Then run:

|  |
| --- |
| sudo odbcinst -i -d -f fsdriver.tmp |

Modify **odbcinst.ini** in **/etc** or **/usr/local/etc** to have this section:

|  |
| --- |
| **[ODBC]** Trace = No TraceFile = /tmp/odbc\_trace.log ForceTrace = No Pooling = No |

## 

### Without root access

Create a file named fsdriver.tmp with these contents. Replace “username” with your linux user.

|  |
| --- |
| **[dbcfs]** Description = FS ODBC Driver Driver = /home/*username*/fsodbc.a Setup = /home/*username*/fsodbcu.a FileUsage = 1 |

Then run these commands (replace ‘username’ with your username):

|  |
| --- |
| Export ODBCSYSINI=/home/*username*  sudo odbcinst -h -i -d -f fsdriver.tmp |

## Creating a Data Source to Query Data

Create the following file and name it PD.tmp. Specify proper values for the *Server*, *UID* and *PASSWORD* settings. A Produce Pro team member can supply the UID and PASSWORD credentials to you.

|  |
| --- |
| **[PD]** Description = Produce Pro Data Driver = dbcfs Database = PD Server = ppro.\_\_\_\_\_\_\_\_.com UID = \_\_\_\_\_\_\_\_\_\_ PASSWORD = \_\_\_\_\_\_\_\_\_ LocalPort = 0  ServerPort = 9585 Encryption = Yes |

Then run:

|  |
| --- |
| odbcinst -i -s -f PD.tmp |

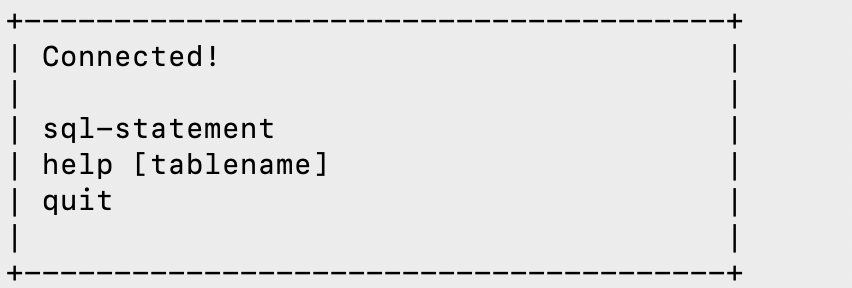
You should now have a hidden **~/.odbc.ini** file with the contents above.

## Testing

run:

|  |
| --- |
| isql PD |

A **Connected!** message should appear:

**

If instead, you do not see a **Connected!** message and see an error like this:



Modify odbcinst.ini in **/etc** or **/usr/local/etc** and change the Trace = No line to Trace = Yes.

Next, try to connect again and then check the contents of the log file defined in odbcinist.ini (/tmp/odbc\_trace.log) for clues. Set Trace = No again after you have solved the problem.

If the trace does not show anything, try

|  |
| --- |
| ldd /usr/local/lib/fsodbc.a |

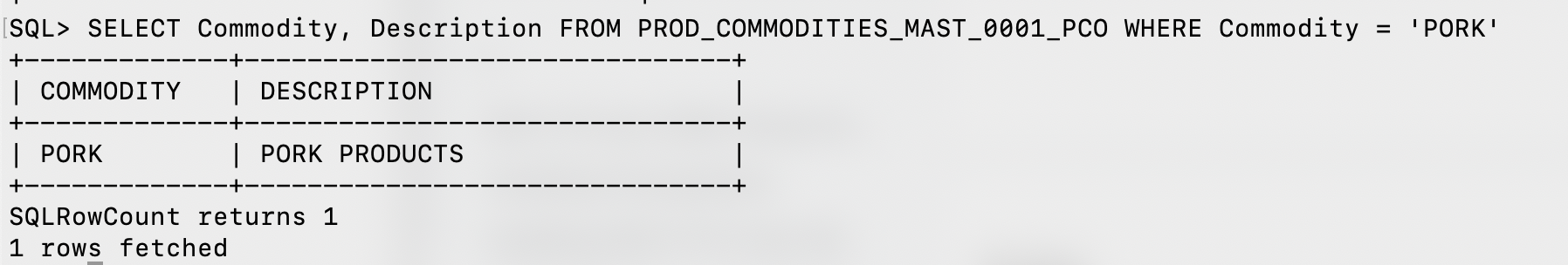
And look for missing libraries.

Another helpful troubleshooting tool:

|  |
| --- |
| strace isql PD |

And look for things like permissions errors. You may need to ‘sudo yum install strace’ first.

Once connected, run a select statement and see results returned. For example:



Type **Quit** and hit ENTER to exit