How to use ODBC Debugging Tool

Last updated by | Veena Pachauri | Mar 8, 2023 at 11:23 PM PST

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Get ODBC Debugging Tool

You can choose either ways:

1. Get from https://parquetoom.blob.core.windows.net/odbcdebuggingtool/OdbcDebuggingTool.zip
2. If you want some new functionality, you may change the source code and build from source code: How to build the ODBCDebuggingTool

Note: The ODBC debugging tool contains several drivers under ODBC Drivers\ , which is quite large. You can remove unnecessary drivers to reduce the package size before you pass the tool to customer.

Note2: You might want to build the tool to have extra options. If that's the case, scroll to the bottom.

Use ODBC Debugging Tool

Now the tool directly supports Oracle, Salesforce, MongoDB, SalesforceMarketingCloud, Teradata ODBC drivers. Others are supported via Generic Odbc.

Please run the tool in Command Line Prompt

Oracle, Salesforce, MongoDB, SalesforceMarketingCloud, Teradata ODBC drivers

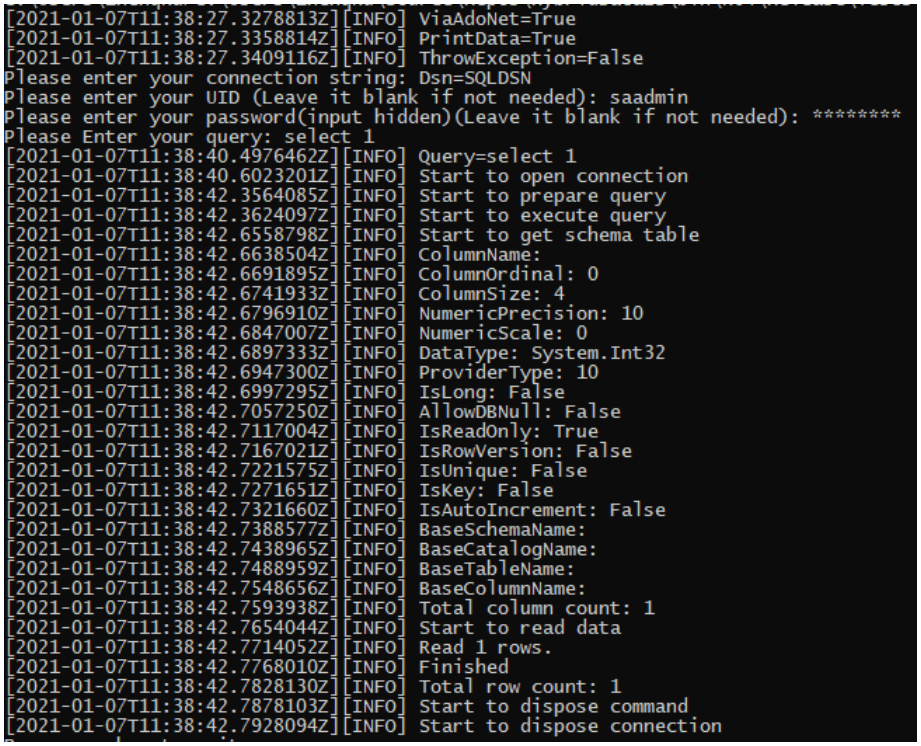
Refer to: [Oracle] ODBC debug tool

Generic ODBC

Command line command:

OdbcDebuggingTool.exe Driver=<driver> [ViaAdoNet=true|false] [PrintData=true|false] [ThrowException=false|true] [[ExtendedPropertyKey=ExtendedPropertyValue] ...]

Follow the instruction and input connection string, username(if needed) and password(if needed).



Note: if you are using DSN-less connection, make sure you have put the ODBC driver under ODBC Drivers\ and specify the driver name in connection string. Make sure you organize the driver using the same structure as those exsiting drivers.

Common Options

ViaAdoNet

This option controls whether to use AdoNet or native ODBC API to interact with the driver. Default true.

PrintData

This option controls whether to print the data when hit error during read. Default true.

ThrowException

This option controls whether to throw exception during all actions. Default false.

ExtendedPropertyKey ExtendedPropertyValue

This key-value pair will be append to the connection string.

Building the Debugging Tool

As you know, we need to build the ODBCDebuggingTool to troubleshoot the ODBC connector issues, SEE/EE can follow the steps below to build the tool if the existing TSGs could not help you.

Note: It only applies to DebugMongoDB,DebugOracle,DebugSalesforce and DebugSalesforceMarketingCloud.

1. Clone your code https://msdata.visualstudio.com/Azure%20Data%20Movement/_git/HybridDataIS in Visual Studio
2. You can try Vistual Studio 2017 https://visualstudio.microsoft.com/vs/older-downloads/
3. Wait until finished
4. Run HybridDataIS\CBT\CreateShortcut.cmd
5. Find the shortcut you named or with the default name:CBT-HybridDataIS
6. Run the shortcut as admin.
7. Go to HybridDataIS\Product\Tests\DataTransfer\Tests\Functional\OdbcDebuggingTool folder and run msbuild /p:Platform=x64
8. Waiting for it finished and the tool would be automatically be generated for you under HybridDataIS\bin\x64\Debug\Tests\DataTransfer\OdbcDebuggingTool\Odbc

Note: You can install the .NET Framework Target version to fix the dependence issue. After that, you need to restart your PC.

Please let EEE know any questions.