SASbyODBC

一、数据库准备

过程略。已备:

Туре	Host	Port	User	Password	Database
Oracle 11g	123.456.789.000	49161	system	oracle	sid:xe
Mysql	123.456.789.000	3306	root	123456	Х
IBM db2	123.456.789.000	50000	db2inst1	db2inst1-pwd	sample

// Host 已加密,需注意各数据库版本

二、连接测试

(1) telnet测试

若windows,可通过控制面板-程序-打开或关闭windows功能来安装telnet。

```
# telnet 123.456.789.000 49161
Trying 123.456.789.000...
Connected to 123.456.789.000.
Escape character is '^]'.
^]
telnet> quit
Connection closed.
```

```
# telnet 123.456.789.000 50000
Trying 123.456.789.000...
Connected to 123.456.789.000.
Escape character is '^]'.
^]
telnet> quit
Connection closed.
```

上述即可通。

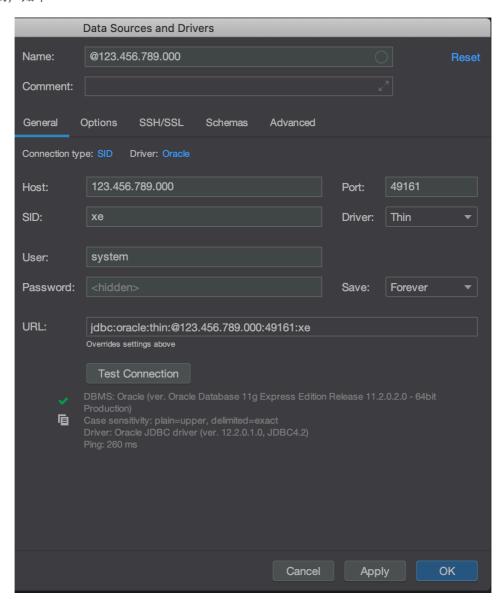
若经过漫长等待后, 出现以下情况, 请先检查连接情况。

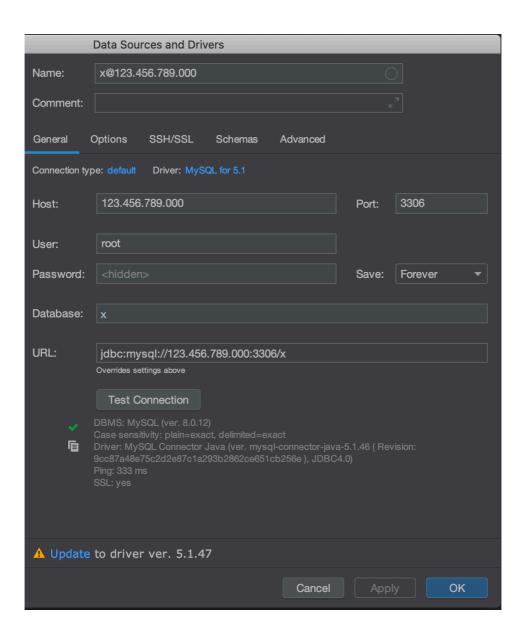
```
# telnet 123.456.789.000 1234
Trying 123.456.789.000...
telnet: connect to address 123.456.789.000: Operation timed out
telnet: Unable to connect to remote host
```

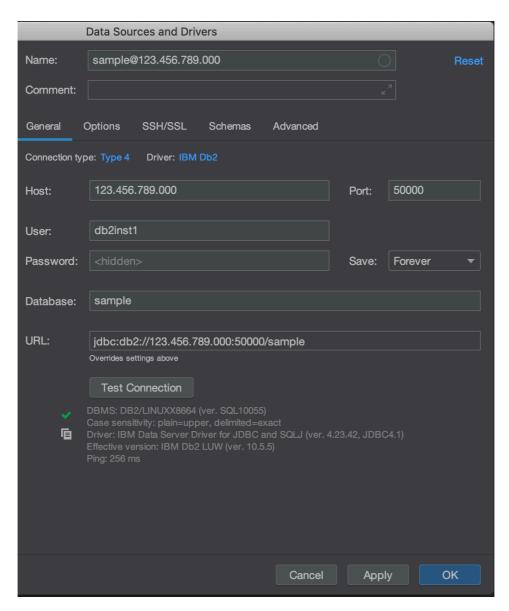
(2) 客户端测试

各种数据库客户端都可以,以下推荐DataGrip,可通过jdbc连接,轻松简单。

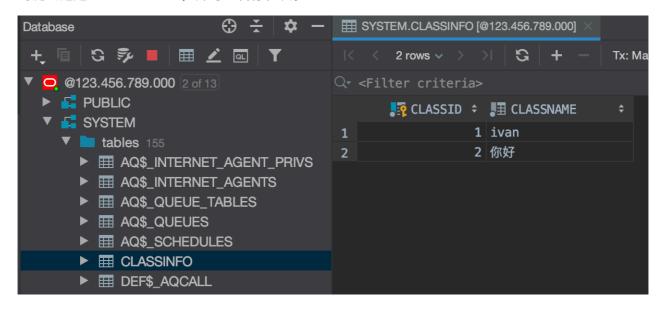
配置并测试,如下:







均测试通过Test Connection,并可查看存在表。



三、ODBC驱动

以下测试机型: win7 64bit 2GB*

一般来说, 打开ODBC 数据源管理器的用户DSN添加, 如下:



添加ODBC驱动,以实现在此出现新驱动。

(1) Oracle 11g

根据以下链接, 注意版本和位数。

官方下载链接

https://www.oracle.com/technetwork/cn/topics/winia64soft-083954-zhs.html

辅助下载链接

https://ivan-bucket-out-001.oss-cn-beijing.aliyuncs.com/out/instantclient-basic-

windows.x64-12.2.0.1.0.zip

https://ivan-bucket-out-001.oss-cn-beijing.aliyuncs.com/out/instantclient-odbc-

windows.x64-12.2.0.1.0-2.zip

各自解压到对应文件,如C:\App,可以看到文件路径如下:

C:\App\instantclient-basic-windows.x64-12.2.0.1.0\instantclient_12_2

C:\App\instantclient-odbc-windows.x64-12.2.0.1.0-2\instantclient_12_2

合并到instantclient_12_2,即odbc里面的文件全部放入basic文件中,通过cmd查看路径。

```
2017/03/08 07:34
                          55,808 genezi.exe
2017/03/08 07:34
                          56,264 genezi.sym
2019/11/13 18:33 <DIR>
                                help
2017/03/08 07:27
                         778,752 oci.dll
2017/03/08 07:27
                         731,816 oci.sym
2016/12/15 01:56
                        152,576 ocijdbc12.dll
2016/12/15 01:56
                         44,936 ocijdbc12.sym
                        565,248 ociw32.dll
2017/03/08 06:58
2017/03/08 06:58
                         96,456 ociw32.sym
                         21,385 ODBC_IC_Readme_Win.html
2014/05/04 22:17
2017/09/13 18:25
                        102,912 odbc_install.exe
                         98,816 odbc_uninstall.exe
2017/09/13 18:25
2016/12/13 16:40
                       4,036,257 ojdbc8.jar
2017/03/08 06:47
                         71,680 oramysql12.dll
                         44,368 oramysql12.sym
2017/03/08 06:47
2016/11/23 21:52
                       4,709,888 orannzsbb12.dll
2016/11/23 21:53
                       2,344,232 orannzsbb12.sym
2017/03/08 06:19
                       1,026,048 oraocci12.dll
2017/03/08 07:34
                      1,161,816 oraocci12.sym
2017/03/08 06:41
                      1,064,960 oraocci12d.dll
2017/03/08 07:34
                      1,137,064 oraocci12d.sym
2017/03/08 07:31
                    195,298,304 oraociei12.dll
2017/03/08 07:32
                     13,912,192 oraociei12.sym
2016/07/28 18:42
                        252,416 oraons.dll
2017/03/08 07:23
                        295,424 orasql12.dll
2017/03/08 07:23
                         60,072 orasql12.sym
                         758,272 sqora32.dll
2017/09/13 18:24
2017/09/13 18:25
                        192,512 sqoras32.dll
2017/09/13 18:25
                         18,432 sqresja.dll
2017/09/13 18:25
                         19,456 sqresus.dll
2017/03/08 07:34
                         19,968 uidrvci.exe
2017/03/08 07:34
                         23,264 uidrvci.sym
2019/11/13 18:32 <DIR>
                                vc14
2017/01/26 02:36
                          74,230 xstreams.jar
            35 个文件 229,269,568 字节
             4 个目录 52,208,181,248 可用字节
```

开始安装,注意通过管理员模式。

```
Microsoft Windows [版本 6.1.7601]
版权所有 (c) 2009 Microsoft Corporation。保留所有权利。

# C:\Windows\system32>cd /d C:\App\instantclient_12_2

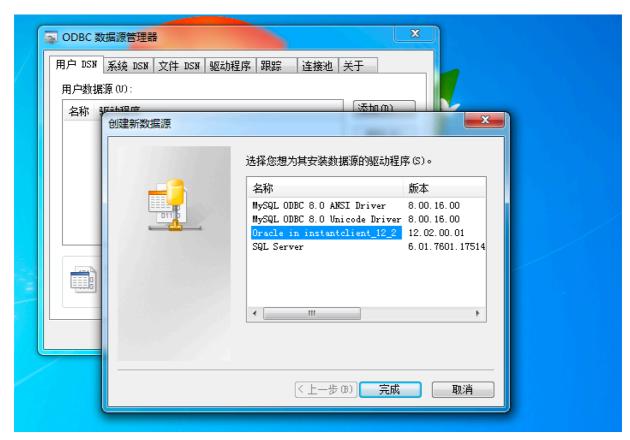
# C:\App\instantclient_12_2>odbc_install.exe
Oracle ODBC Driver is installed successfully.

# C:\App\instantclient_12_2>
```

并配置环境变量:

变量	文件路径
ORACLE_HOME	C:\App\instantclient_12_2
Path 添加	C:\App\instantclient_12_2
TNS_ADMIN	C:\App\instantclient_12_2

查看ODBC,可得:



配置并测试,可得:

Oracle ODBC Driver Confi	guration	
Data Source Name	odata	OK Cancel
Description		
TNS Service Name	123.456.789.000:49161/xe ▼	Help
User ID	system	Test Connection
Enable Result Sets	Testing Connec	tion

若无TNS,则配置为123.456.789.000:49161/orcl

(2) Mysql

根据以下链接,注意版本和位数。

官方下载链接

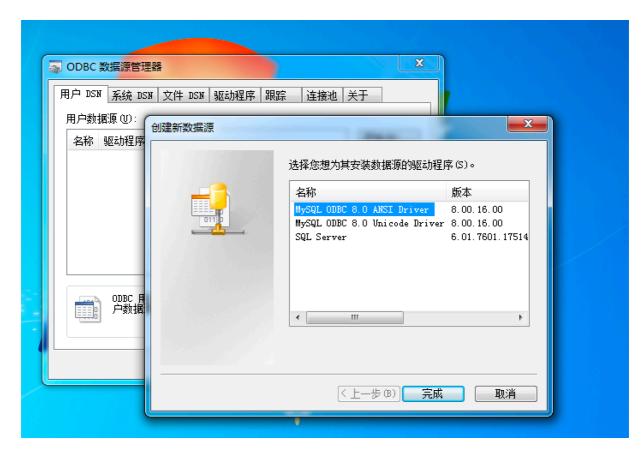
https://dev.mysql.com/downloads/connector/odbc/

辅助下载链接

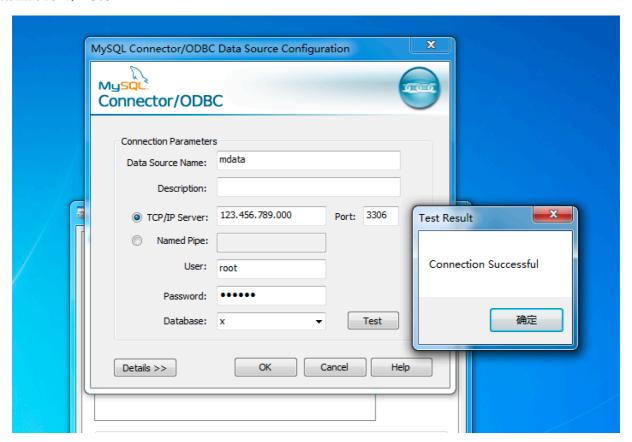
https://ivan-bucket-out-001.oss-cn-beijing.aliyuncs.com/out/mysql-connector-odbc-

8.0.16-winx64.msi

点击安装后,查看ODBC,可得:



配置并测试,可得:



(3) IBM db2

根据以下链接,注意版本和位数。

官方下载链接

辅助下载链接

https://ivan-bucket-out-001.oss-cn-beijing.aliyuncs.com/out/v10.1fp6_nt32_odbc_cli.zip https://ivan-bucket-out-001.oss-cn-

beijing.aliyuncs.com/out/v10.1fp6_ntx64_odbc_cli.zip

解压,文件路径:

C:\App\v10.1fp6_ntx64_odbc_cli\clidriver

开始安装, 注意通过管理员模式。

Microsoft Windows [版本 6.1.7601] 版权所有 (c) 2009 Microsoft Corporation。保留所有权利。

C:\Windows\system32>cd /d C:\App\v10.1fp6_ntx64_odbc_cli\clidriver\bin

C:\App\v10.1fp6_ntx64_odbc_cli\clidriver\bin>db2cli install -setup
IBM DATABASE 2 Interactive CLI Sample Program

(C) COPYRIGHT International Business Machines Corp. 1993,1996

All Rights Reserved

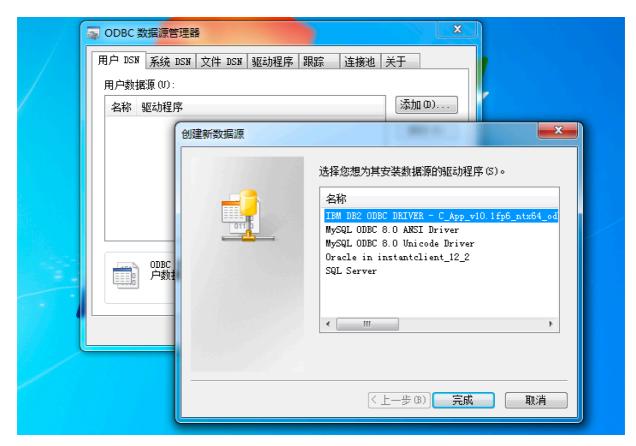
Licensed Materials - Property of IBM

 $\hbox{US Government Users Restricted Rights - Use, duplication or disclosure restricted by GSA ADP Schedule Contract with IBM Corp.}\\$

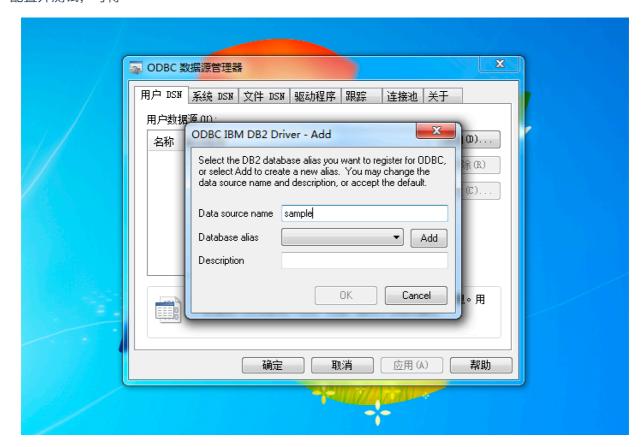
The IBM Data Server Driver for ODBC and CLI registered successfully. The configuration folders are created successfully.

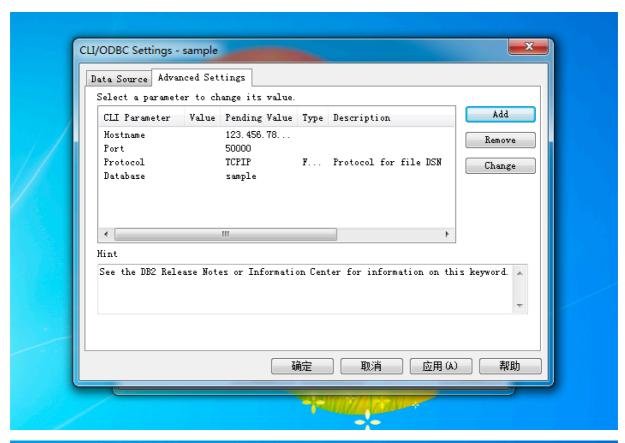
C:\App\v10.1fp6_ntx64_odbc_cli\clidriver\bin>

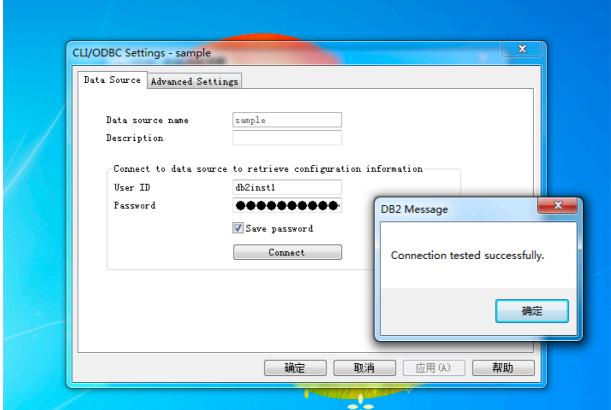
查看ODBC,可得:



配置并测试,可得:







四、SAS读取

(1) Oracle 11g

```
/* SAS */
LIBNAME TA ODBC USER=system PASSWORD=oracle DSN=odata;

/* Log

1 LIBNAME TA ODBC USER=system PASSWORD=XXXXXXX DSN=odata;

NOTE: 已成功分配逻辑库引用名"TA",如下所示:
    引擎: ODBC
    物理名: odata
*/
```

(2) Mysql

```
/* SAS */
LIBNAME TA ODBC USER=root PASSWORD=123456 DATASRC=mdata;

/* Log

1 LIBNAME TA ODBC USER=root PASSWORD=XXXXXXX DATASRC=mdata;

NOTE: 已成功分配逻辑库引用名"TA",如下所示:
  引擎: ODBC
  物理名: mdata
*/
```

(3) IBM db2