



MYOB ODBC Direct

Test Applications

The ODBC Test Applications

Two test applications for the MYOB ODBC Direct driver are included in the MYOB ODBC Developer Pack:

- The MYOB Database browse tool (SQLTester.exe)
- BatchTester (BatchTester.exe)

The two test applications enable you to create and test connection strings and SQL statements against a company file using a user created DSN based on the MYOB ODBC Direct driver.

The examples in this document use the sample company file. They provide instructions on how to establish a simple read–write connection and how to perform a simple write operation.

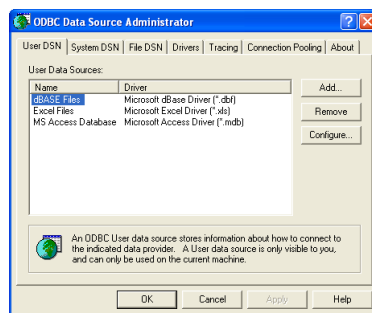
Comprehensive information on MYOB ODBC driver connection strings and importing information to an MYOB company file can be found in the documentation provided with your Developer Pack.

The test applications will work with registered company files where an appropriate User DSN has been created.

For the examples in this document you need to create a DSN for the sample company file.

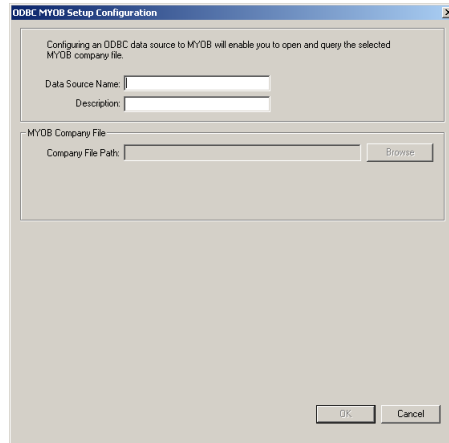
To create a DSN for the sample company file

- 1 Go to the **Start** menu, choose **Settings** and then **Control Panel**.
 - For Windows 2000 and XP, double-click **Administrative Tools**, then double-click **Data Sources (ODBC)**.
 - For other Windows operating systems, double-click **Data Sources (ODBC)**. The **ODBC Data Source Administrator** window appears.



- 2 Click **Add**. The **Create New Data Source** window appears.

- 3 Select **MYOB ODBC** and then click **Finish**. The **ODBC MYOB Setup Configuration** window appears.



- 4 In the **Data Source Name** field, type `TEST` and press **TAB**.
- 5 In the **Description** field type `Test for MYOB ODBC Direct`.
- 6 Click **Browse**. The **Select file for ODBC source** window appears.
- 7 Navigate to your MYOB software folder (the default location is `C:\<Application Name>`, for example, `C:\Premier`).
- 8 Double-click the **Clearwtr.myo** file.
- 9 The **ODBC MYOB Setup** window appears with the path of the MYOB company file you selected.
- 10 In the **User Name** text box, enter the administrator name for this company file. (If you have not renamed the administrator user name for this file, type `Administrator`).
- 11 In the **Password** text box, enter the administrator password, or if you have not set a password for the administrator, leave the password field blank.
- 12 In the **Developer Access** section, mark the **Enable** checkbox.
- 13 Next to **MYOB Application Path** field, click **Browse**. The **Select MYOB Application File** window appears.
- 14 Browse to your MYOB software folder, select the application file (for example, **MYOBP.exe**) and click **Open**.
- 15 As you have selected the **Clearwater** company file, leave the **Key Value** field blank. (If you are connecting to a registered company file, click the **Browse** button beside the **Key Value** field. The **Select Key file** window appears. Browse to where you installed your key file.)
- 16 Click **OK**. The **ODBC Data Source Administrator** window appears, with the DSN you just created displayed in the list of User Data Sources.
- 17 Click **OK** to close the **ODBC Data Source Administrator** window.

SQLTester.exe

This section describes the MYOB Database browse tool test application. The MYOB Database browse tool application, SQLTester.exe, is located on your DeveloperPack CD, in the Test Applications folder.

Introduction

This sample application can connect to an MYOB company file via the MYOB ODBC Direct driver. You can configure your connection string in a variety of ways to allow read only or read/write access. This application allows you to read and write to any table described in the MYOB ODBC Data Dictionary. Samples have been provided.

System Requirements

The following software needs to be installed:

- A compatible MYOB program, such as MYOB Premier
- MYOB ODBC Direct driver

Dependencies

This sample application references the following libraries and controls:

msvbvm60.dll – Visual Basic for Applications

msvbvm60.dll\3 – Visual Basic runtime objects and procedures

vb6.olb – Visual Basic objects and procedures

stdole2.tlb – OLE Automation

msado27.tlb – Microsoft ActiveX Data Objects 2.7 Library

mshflxgrd.ocx – Microsoft Hierarchical FlexGrid Controls 6.0 (OLEDB)

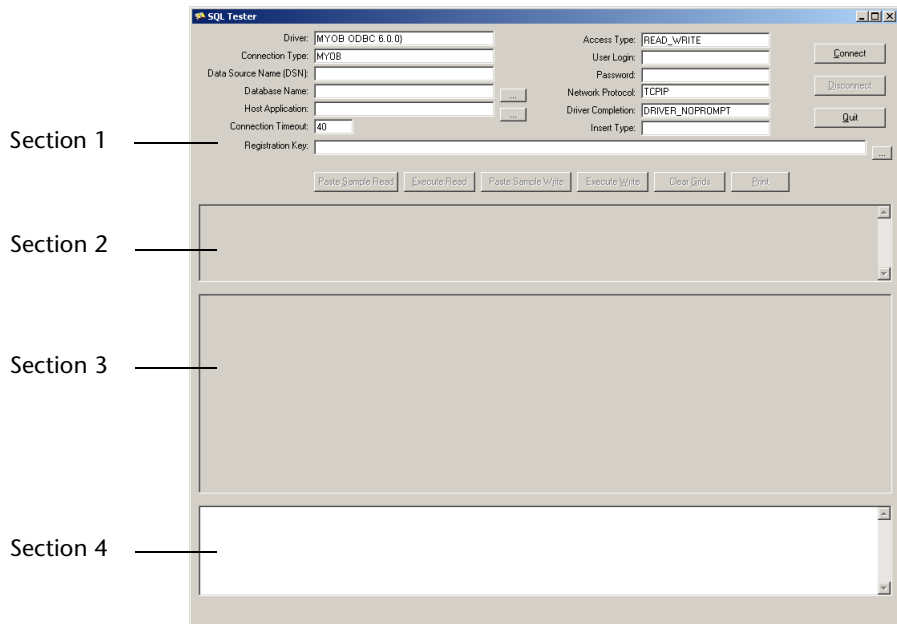
SQL Tester

The **SQL Tester** tool provides a simple interface to test combinations of connection string keywords that are used to connect to an MYOB company file. Once a connection has been established, the SQL Tester tool can be used to create and execute SQL read and write operations on an MYOB company file.

The SQL Tester tool uses a single window, the **SQL Tester** window.

The SQL Tester window

Locate and double click SQLTester.exe. The **SQL Tester** window appears.



Section 1 is used to set keyword values for a connection string to connect to an MYOB company file. Once a connection has been established, this section is locked and cannot be altered until you disconnect from the DSN.

Section 2 is used to type SQL read and write statements to be sent to the MYOB company file.

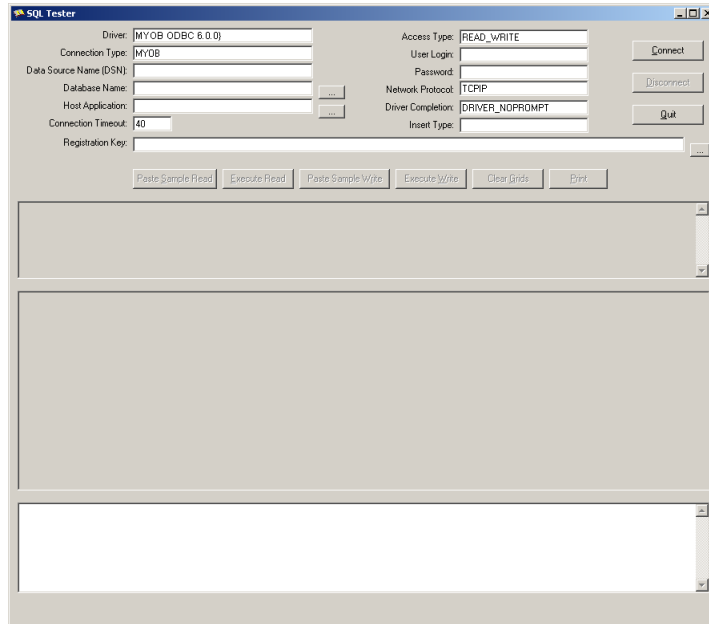
Section 3 is used to display the results of a read statement in column format.

Section 4 is used to display return codes, error and warning messages and, when an SQL read statement is executed, the results of the read statement in tab-delimited format.

You can copy information from the section 4 (such as error codes and the results of read statements) if you need to save this information, for example, to save a particular error code for investigation.

To test a connection string

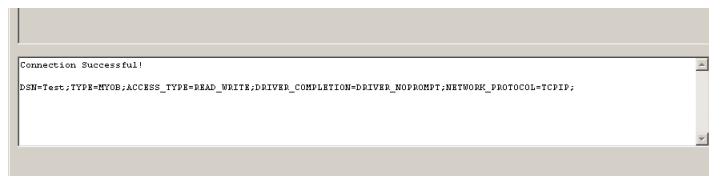
- 1 Locate and double click the SQLTester.exe application. The **SQL Tester** window appears.



The first section of the **SQL Tester** window provides a number of fields that are used to set connection string keyword values. For more information about connection strings and keyword values, refer to the *How to write* document.

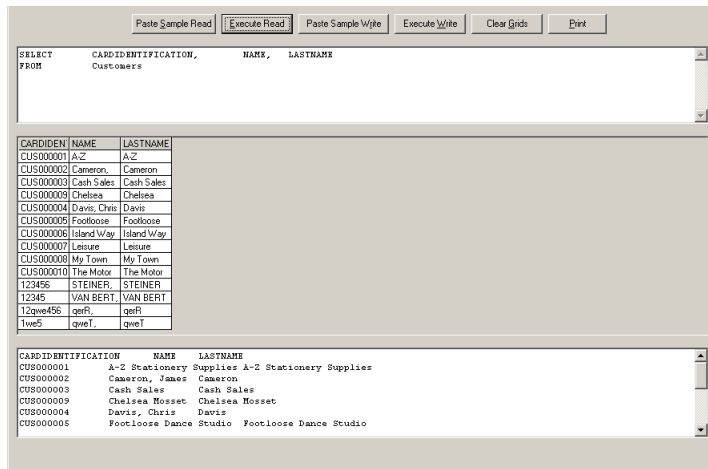
In this example, the keyword values displayed provide enough information to establish a connection to the sample company file using the DSN created in the procedure “To create a DSN for the sample company file” on page 2.

- 2 Click **Connect**. The bottom section of the **SQL Tester** window displays a message informing you if the connection to the MYOB company file DSN the connection was either successful or unsuccessful.



Once you have established a connection to an MYOB company file using appropriate connection string keyword values, you can use SQL Tester to check the accuracy of your SQL read and write statements.

- 4 Click **Execute Read**. The data from your refined read statement appears.



To write to a company file

Ensure you have established a read–write connection to your company file. See [‘To test a connection string’ on page 6](#).

You can type your write statement directly into the top frame of **SQL Tester** window.

SQL Tester includes a sample SQL write statement . The following procedure uses this sample write statement. It assumes a read–write connection has already been made to the sample company file and that the **SQL Tester** window is open.

- 1 Click **Paste Sample Write**. The following SQL statement is displayed in the top frame of the **SQL Tester** window:


```
INSERT INTO Import_Customer_Cards (CoLastName, FirstName, CardID)
VALUES (('STEINER', 'ANITA' , '123456'), ('VAN BERT', 'RUSSELL' , '12345'))
```
- 2 Click **Execute Write**. If your write statement was successful, the message **Successful Write!** is displayed in the bottom section of the **SQL Tester** window. If the write is unsuccessful, an error number and message appears.

BatchTester

Introduction

BatchTester takes connection strings and SQL insert statements from supplied Excel spreadsheets, and concatenates them in a script (.scr) file. Once a script file has been built, BatchTester uses the script file to establish a connection to an MYOB company file and execute the SQL statements.

When you execute a script file, a log file appears, showing the success or otherwise of the import operation.

System Requirements

The following software must be installed:

- A compatible MYOB program, such as MYOB Premier
- MYOB ODBC Direct driver.
- .Net Framework.

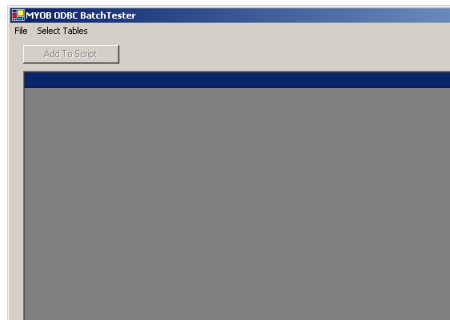
To install the .Net Framework, go to the **dotNet Framework Install** folder on your Developer Pack CD and double-click **dotnetfx.exe**.

Using BatchTester

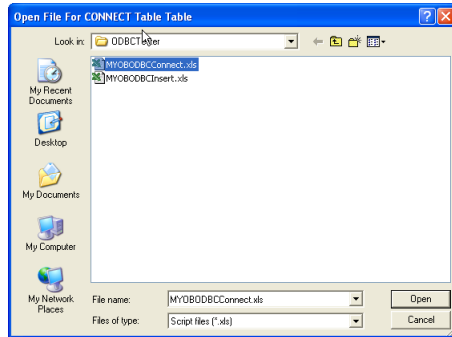
The following procedures show how to use BatchTester to create a script file with a connection string, add SQL insert statements to the script file, and execute the script file.

To create a simple script file containing a connection string

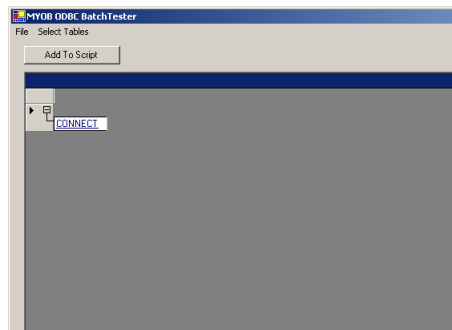
- 1 Locate and double-click BatchTester.exe. The **MYOB ODBC BatchTester** window appears.



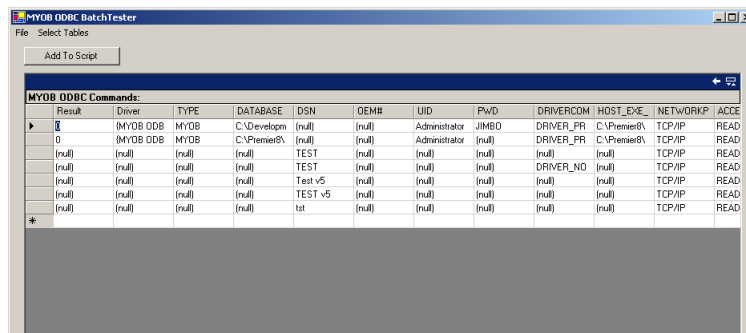
- Go to the **Select Tables** menu and choose **Connect Table**. The **Open File for Connect Table Table** window appears.



- Select **MYOBODBCConnect.xls** and click **Open**. The **MYOB ODBC BatchTester** window reappears.



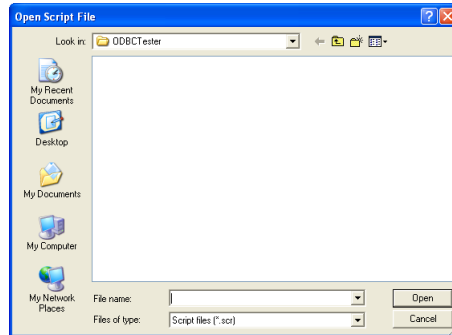
- Click **Connect**. The contents of the **MYOBODBCConnect.xls** file appear.



Each line represents a different connection string and each column represents a connection string keyword.

- Select the second line, and expand the **DATABASE** column. This column holds the DATABASE connection string keyword value which provides the location of the company file to which you want to connect.
- Change the text in this column to reflect the path and name of the sample company file.

- 7 Click **Add to Script**. The **Open Script File** window appears.

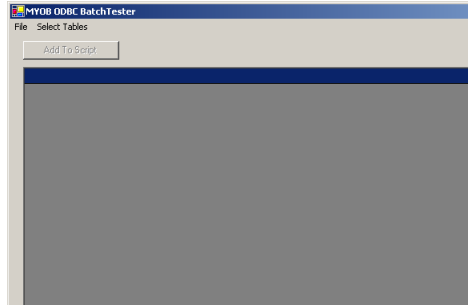


- 8 In the File Name field, type `test` and click **Open**. The row you selected is converted to a connection string and added to the test.scr script file.

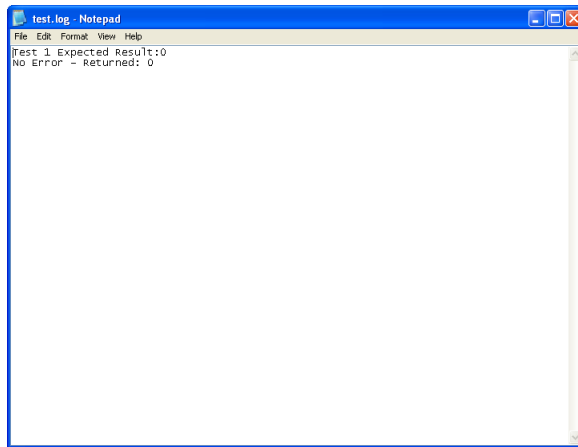
See the following procedure, “To test the connection string” on page 12 for information on testing your connection string.

To test the connection string

- 1 Locate and double-click BatchTester.exe. The **MYOB ODBC BatchTester** window appears.



- 2 Go to the **File** menu and choose **Run Script** or press CTRL + R. The script file is executed and the **Test.log** file appears.



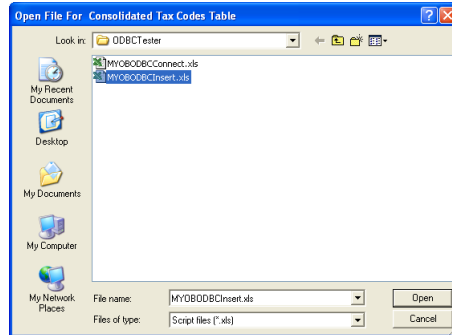
The above example shows that the connection to the specified company file was successful.

To add SQL statements to the script file

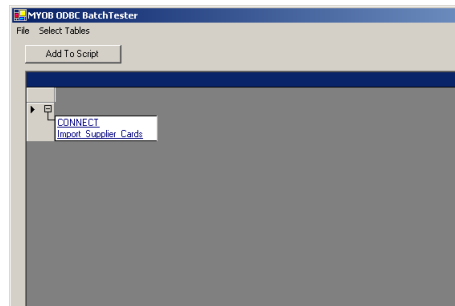
The following procedure demonstrates how to add import SQL statements from an Excel spreadsheet to the script file you created in the procedure, [‘To create a simple script file containing a connection string’ on page 9](#).

- 1 Go to the **Select Tables** menu and choose **Insert Tables**. A list of all the MYOB ODBC import tables appears.

Choose a table to insert information into. For this example, choose **Cards** and then **Suppliers**. The **Open File** dialog appears.

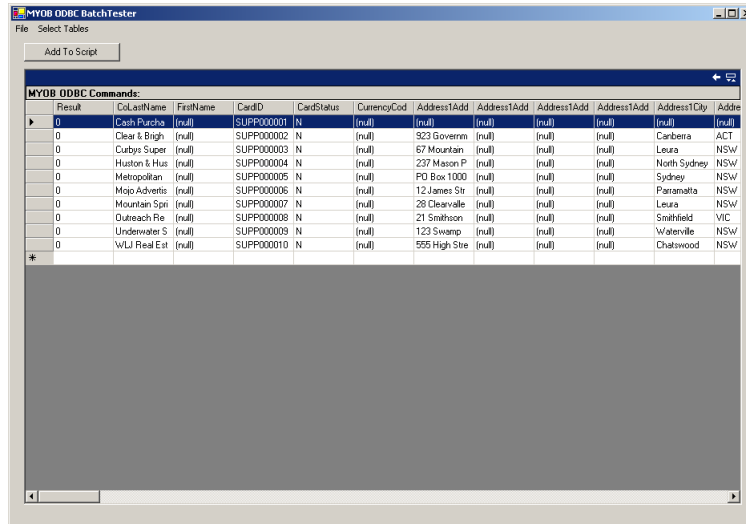


- 2 Select **MYOBODBCInsert.xls** and click **Open**. The **MYOB ODBC BatchTester** window reappears.

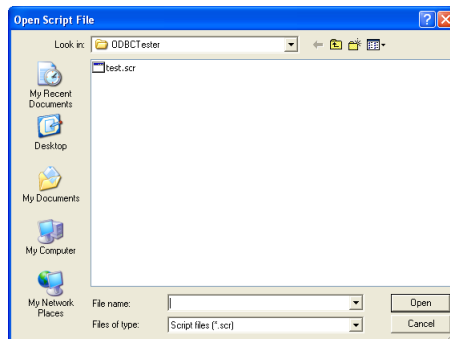


- 3 Click **Import Supplier Cards**.

- 4 Select the row or rows of import statements you want to use. For this example, select the first row.

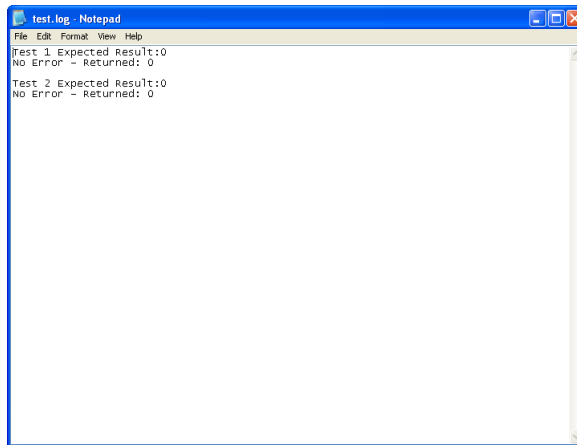


- 5 Click Add To Script. The Open Script File window appears.



- 6 Select Test.scr and click Open. The SQL insert statement is added to the script file.

- 7 Press CTRL + R to run the script file. The script file is executed, and the test log file appears.



```
test.log Notepad
File Edit Format View Help
Test 1 Expected Result:0
NO Error - Returned: 0
Test 2 Expected Result:0
NO Error - Returned: 0
```

In the above example, the connection to the specified company file and the import operation were successful.