Quadrant Systems
Receipt Accounting System
ODBC Setup Instructions

These instructions assume you have installed the RASWIN program on a workstation already using the standard SETUP_RASWIN_MASTER.EXE program and need to create the ODBC connection to the database. The setup program has no way to do this automatically as it has no way to know the name of your servers and other network information.

If you are just updating an existing installation the existing ODBC connection should already be present and would not normally need to be recreated.

REGISTER # Setting

Each workstation must have a unique REGISTER number. This is established by the presence of a small 'trigger' file on each workstation. The best way to create the file is to use the Register Number Setting Utility supplied by Quadrant Systems. This can be found in the following location:

```
C:\PROGRAM FILES\QUADRANT\RASWIN\EXTRA_UTILITIES\REGSET.EXE
```

The trigger file name must be

```
C:\PROGRAM FILES\QUADRANT\RASWIN\REG.XXX
```

(where 'xxx' is the 3-digit register number.) For register #2, the file would be called REG.002, and so on for each additional register. Note that the file extension (the part after the period) is the the 3 digit register number. The leading zeros in the file extension MUST be present... REG.1 is not the same as REG.001.

When the RASWIN program starts it searches for the REG file ... starting with REG.001 and progressing to REG.999 in order. As soon as it finds the FRIST file that matches it will stop searching for additional REG.xxx files and assume that is the assigned register #.

Having multiple registers with the same register number can lead to many difficult or impossible to solve problems with conflicting receipt numbers, date assignments, settings, etc., so be sure to check your register # carefully and don't duplicate register numbers across machines.

Starting in February 2011 the RASWIN program was modified to double check the database at startup to make sure there are no other workstations using the same register number. If it finds another workstation has been configured to us the same register # it will terminate the program until the discrepancy is resolved. This checking is based on the unique workstation ID's assigned to the computers connected to the database. Older versions did not do this, and as such, there was no built-in protection against duplicate register numbers being assigned. In versions subsequent to those released in December 2012, it is impossible to have duplicate register numbers, even for those cases where the machine is used only for reporting or inquiry functions.

ODBC Settings

There is one ODBC 'system' setting required.

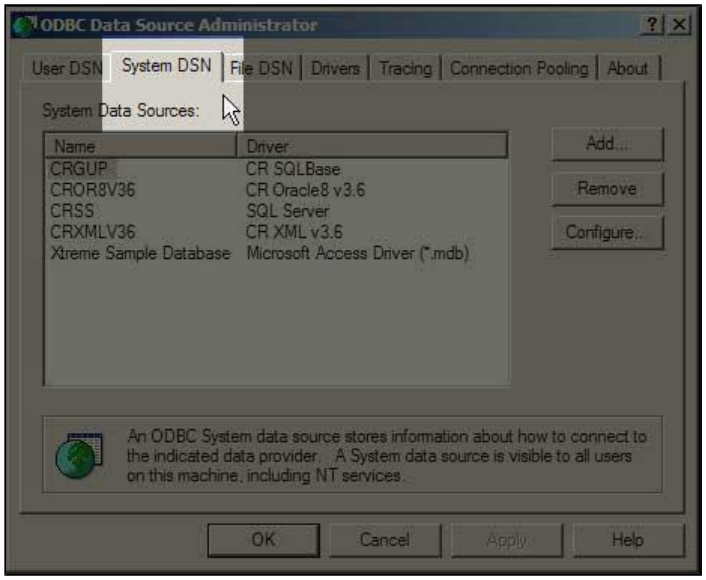
1. This should point to the Quadrant RASWINSQL database on the SQL server.

   The ODBC setting must be setup using SQL Server authentication. The user id/password must exist in the SQL 'master' database before you can create the ODBC link to it. The standard RASWINSQL creation script will normally create the needed user (**REG001**, which is used for ALL workstations, regardless of which register number is assigned to them).

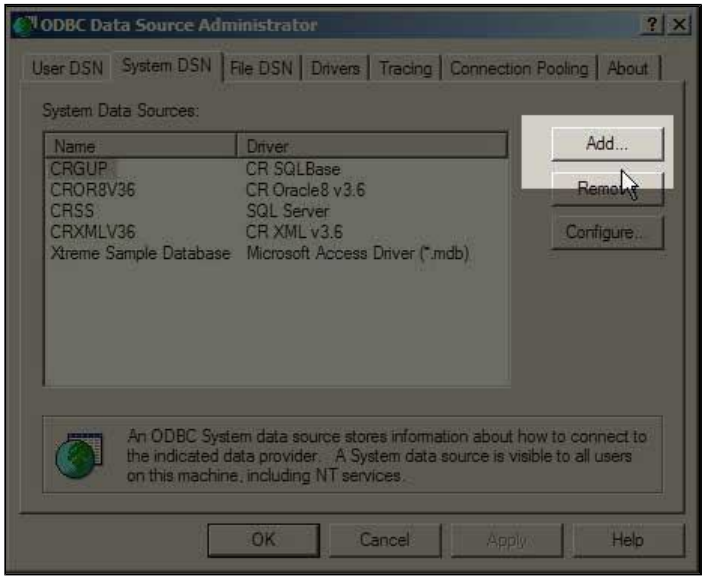
2. Here are the steps for setting up the ODBC link.

   1. Using the Windows Control Panel, start the ODBC Administrator tool.

2. Click on the SYSTEM tab.

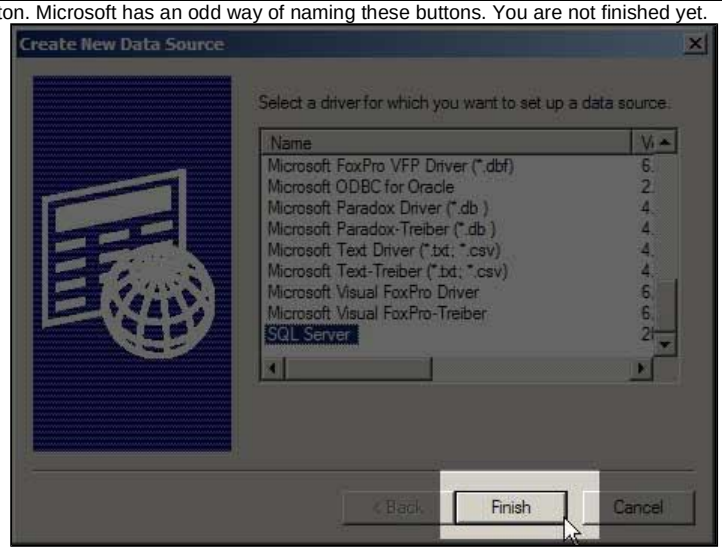


3. Click on the ADD button.

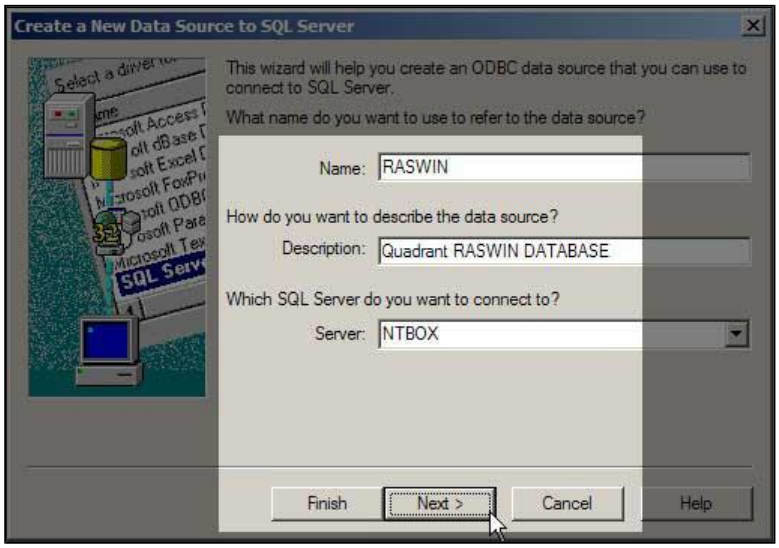


Press "S" or scroll towards the bottom of the list to locate the "SQL Server" entry in the list of database options available on your system. Make sure SQL Server is highlighted.

5. Click on the FINISH button. Microsoft has an odd way of naming these buttons. You are not finished yet.

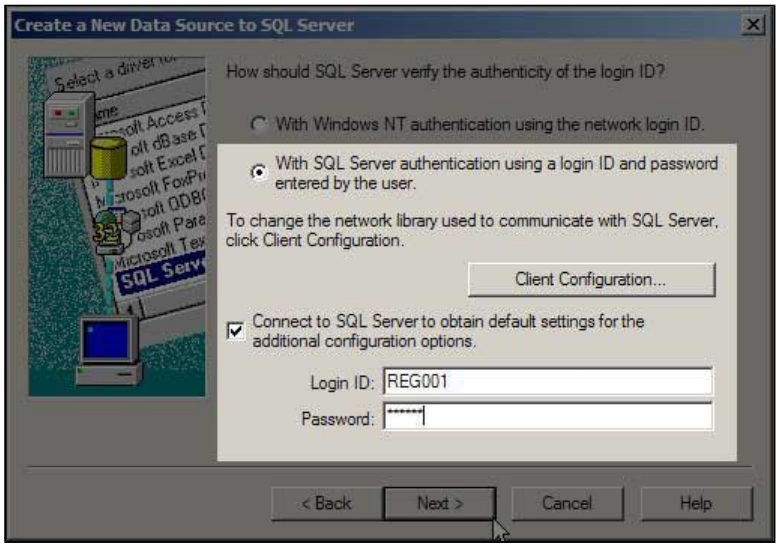


6. Enter the values shown below in the text boxes on the entry screen. The only one you will have to modify is the name of the server. This can be a server name (such as the one shown here) or an IP address (if that is how you refer to servers at your location.) Click on NEXT after you enter the 3 values.



7. Click on the 2nd button ("With SQL Server Authentication") and then in the LOGIN ID and PASSWORD Boxes enter the values REG001 and REG001 **Both the USER ID and password are the same for ALL registers, and ALL are set to REG001 for the login in and password settings, regardless of which register # is assigned**.

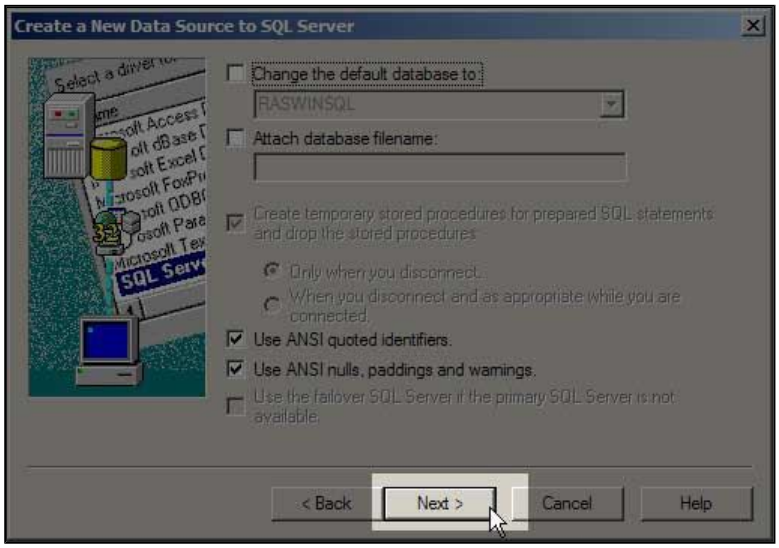
   Once these values are entered, click on the NEXT button.



8. If a connection is made there will be a very short pause (two or three seconds) and you will then see the screen below.

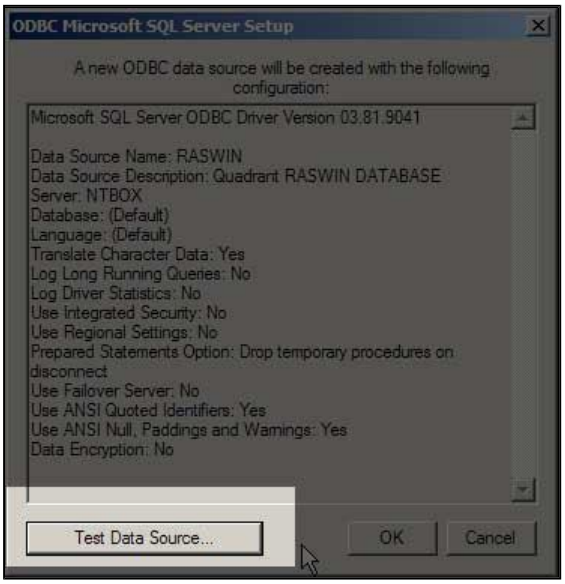
   If the connection is not established the delay will be quite a bit longer (30 to 60 seconds) and an error message will appear telling you it could not connect for a variety of reasons (couldn't find the specified server, user not valid for that database, etc.) If this happens, use the BACK button to check your entries on the previous screens.

   If you see **RASWINSQL** in the top box, you have connected successfully. Click on the NEXT button to continue.

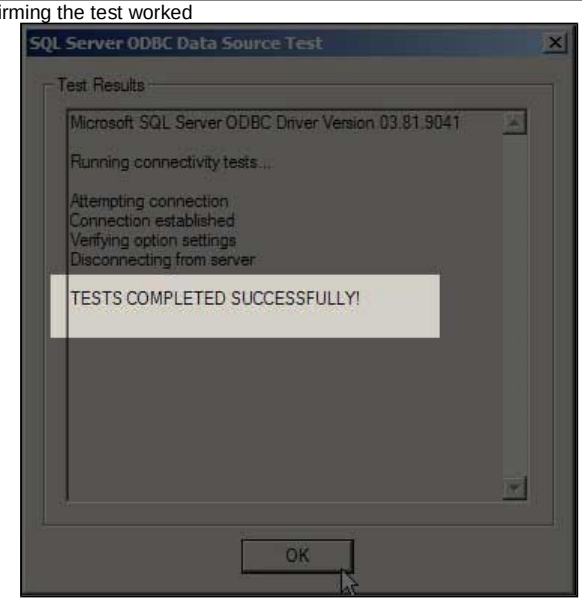


9. On this screen, just click on the FINISH button to continue. Again, Microsoft is a bit optimistic, but they are closer.

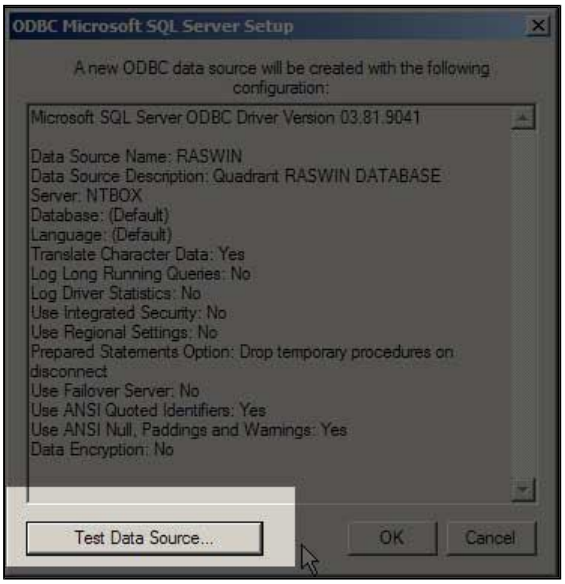
10. Click on the Test Data Source button to verify all connection settings are correct.



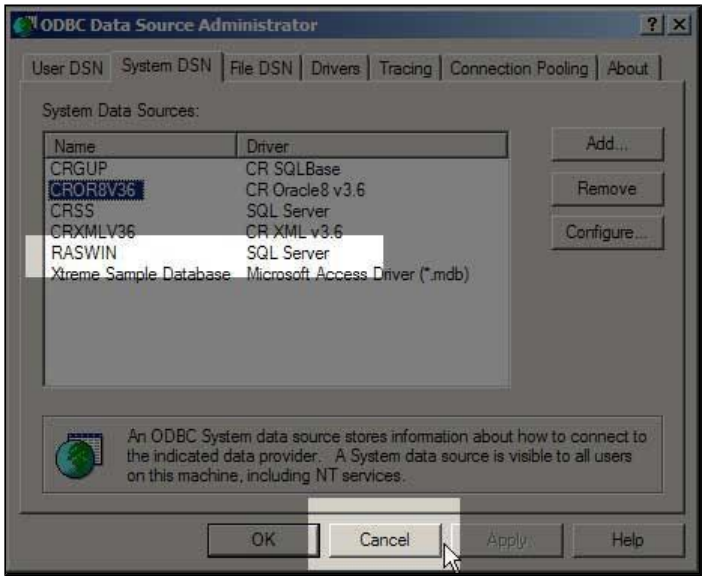
11. You will the the OK button confirming the test worked



12. You will see the previous screen again, where you click OK to FINISH. The guys are billionaires, so who are we to question that they chose FINISH to go the NEXT screen and OK to mean FINISH, and START to shutdown your computer? The MUST just be a lot smarter than us to have figured this out!



13. After pressing OK, you will see new ODBC link in your list of System DSNs. To prolong the "Windows" experience Microsoft makes you press OK one more time to FINISH the ODBC setup function. Then you can close the ODBC setup window completely.



Program and File Synchronization

Most of the Quadrant files are installed on the local machine in the

`C:\PROGRAM FILES\QUADRANT\RASWIN`

directory, and its sub-directories. The SQL database is installed on your SQL server machine. Since certain files are local we have provided a method to "synchronize" the various systems so that updates made to one workstation can be propagated to the others. This is called "Update" or "Synchronize". A desktop icon can be created that points to the

`C:\PROGRAM FILES\QUADRANT\RASWIN\SYNCH.BAT`

file. This batch file uses the XCOPY.EXE program (part of Windows) to transfer files to/from the local machine and the server based on the date/time stamps on the file[s]. Depending on which version of the file is more current it will copy up to the server or down from the server, as appropriate.

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