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SQL Sniffer for Windows

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The most painful part of debugging client-server applications is not in the user interface code, but in the back-end code which deals with SQL Server. The only known methods of debugging such code is through the use of a debugger, most of which are better suited to building Windows user interfaces. This tool is designed to help you find the SQL queries in your application which are failing, help you locate the SQL queries which are performance bottlenecks, and see what is going on under the hood of other SQL Server front-end applications.

All programming environments and third-party SQL programming libraries under Windows communicate with Microsoft or Sybase SQL Server through dbLib (W3DBLIB.DLL). **SQL Sniffer for Windows** will allow you to view a *trace* of all calls to the most used dbLib API functions (a list is provided below) with just a click of the mouse.   This *trace* will allow you to see the amount of time in *seconds:milliseconds* spent in the call, which application made the call, the parameters passed to the call, and even the return value from the call. It is so easy to use and so powerful that we believe no SQL Server front-end programmer under Windows should be without it!

Writing client-server applications is a large part of our business, so we understand the hardships that you go through to get your applications to work seamlessly. We also know how much time you spend locating and fixing those hard-to-find bugs. This tool will be a great asset to your productivity.

For example, when your application brings up a dialog box that has controls which are data-aware, what happens when one of those controls doesn't show any data? Rather than wrestling with your debugger, use the **SQL Sniffer for Windows.** As your dialog box is brought up and the controls make their requests to SQL Server, **SQL Sniffer** will *trace* these requests on your behalf. Now, you have a *trace* of the dbLib APIs executed, the parameters passed to these APIs, and the return values. You are now seconds away from looking at the *trace* and identifying where your request went wrong and fixing it!

Other features:
- ¨ Ability to choose which application to *trace.*
- ¨ Ability to choose which dbLib APIs to *trace.*
- ¨ Ability to log trace into **SQL Sniffer's** application window and/or an ASCII text file.

dbLib APIs which can be *traced*:
The following dbLib APIs can be *traced* with **SQL Sniffer for Windows:**

_dbwinexit	_dbsetlname	_dbsetopt	_dbcursorclose
_dblogin	_dbcmd	_open_commit	_dbmsghandle
_dbinit	_dbsqlexec	_close_commit	_dberrhandle
_dbopen	_dbsqlok	_build_xact_string _dbdata	
_dbexit	_dbsqlsend	_start_xact	_dbaltlen
_dbuse	_dbcanquery	_commit_xact	_dbadata
_dbunlocklib	_dbclose	_abort_xact	_dbsetavail
_dblocklib	_dbsetlogintime _remove_xact	_dbsetnull	
_dbfreelogin	_dbcancel	_stat_xact	_dbsetmaxprocs
_dbrpcinit	_dbrpcsend	_dbrpwclr	_dbrpwset
_dbrpcparam	_dbnextrow	_dbbind	_dbgetrow
_dbresults	_dbclropt	_dbcursoropen	_dbtsput
_dbdatlen	_dbsettime	_dbcursor	_dbtxtsput
_dbsetlname	_dbwritepage	_dbretdata	_dbretstatus

Demo copies of the **SQL Sniffer for Windows** are available upon request.

Compatibility
SQL Sniffer for Windows is compatible with the following programming libraries and products:

Microsoft dbLib
Microsoft Visual Basic SQL (VBSQL)
Pioneer Software QELIB

SQL Sniffer for Windows is compatible with the following programming tools and environments: PowerSoft's Power Builder

Microsoft Excel
Visual Basic
Pioneer Software Q+E

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Pricing Information
Single user license $ 295.00