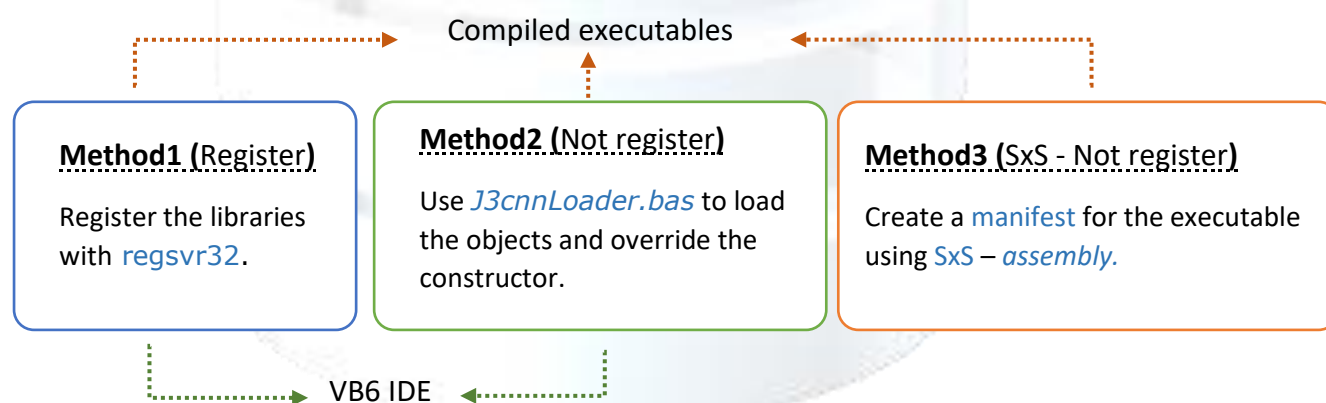## J3cnn - Suite

It is a set of ActiveX DLLs that connect SQLlite3 and VB6 quickly and easily, it is based on the original builds of SQLite3, SQLCipher and SQLite3MultipleCiphers, no custom builds using ___stdcall are required. This set of ActiveX DLLs no longer depends on the cCDECL class like its predecessors (cSqlite, [cSqliteCursor, cSqliteQuery, cSqliteStmt]), instead internally uses a **tlb** to access the Sqlite3 apis, achieving higher speed and better data handling (double, currency).

Component	Description	Requires	Objects
J3cnn.dll	SQLite3 Database Connector	• Sqlite3.dll	• SQLiteConnection • SQLiteQuery • SQLiteResultSet • SQLiteCommand
J3cnn_c.dll	Database connector encrypted with SQLCipher *	• libcrypto-1_1.dll • Sqlcipher.dll	
J3cnn_mc.dll	Database connector encrypted with SQLite3MultipleCiphers	• Sqlite3mc.dll	

* J3cnn_c.dll requires SQLCipher bound with OpenSSL (libcrypto-1_1.dll)

2. How to use?

With the ActiveX J3Connector DLL you can still build portable applications without the need to register the libraries in the system:

Method1 (Register**)**

Register the libraries with regsvr32.

Method2 (Not register**)**

Use *J3cnnLoader.bas* to load the objects and override the constructor.

Method3 (SxS - Not register**)**

Create a manifest for the executable using SxS – *assembly.*

Method2: The *J3cnnLoader.bas* module is included to use the ActiveX DLL without prior registration so that you no longer depend on the Registry entries associated with the ActiveX DLL, both in the VB6 IDE and compiled executables, however it is recommended to add the reference to the ActiveX DLL to have the **intellisense** from the VB IDE.

Method3: The SxS-assembly file is included with the CLSIDs of the objects of each of the ActiveX DLLs (*J3cnn.dll, J3cnn_c.dll, j3cnn_mc.dll*) you must include in the manifest the CLSIDs of the ActiveX DLL that you want to distribute. The manifest must include the CLSIDs of the objects: Helper, SQLiteConnection, SQLiteQuery, SQLiteResultSet, SQLiteCommand.

2. Objects and Properties

Included are projects that are intended to serve as a guide to basic and advanced use of ActiveX DLL objects, properties, and methods. The ActiveX DLL includes a constructor object ("SQLite") to quickly create a new connection instance, it is always advised to use the constructor object, the constructor object creates a new instance of the SQLiteConnection object:

VB6

```
Dim Cnn As SQLiteConnection
Set Cnn= New SQLiteConnection
Call Cnn.SQliteOpen(":memory:")
```

J3cnn Constructor

```
Dim Cnn As SQLiteConnection
Set Cnn= SQLite.Connection(":memory:")
```

3. License

J3Connector (J3cnn.dll, J3cnn_c.dll, J3cnn_mc.dll) are free ActiveX DLLs and the binaries are distributed for personal, educational or commercial use. The author makes no warranty or representation, either express or implied, regarding the product, including its quality, performance, or fitness for a particular purpose. In no event shall the author be liable for any direct, indirect, incidental, special, exemplary, or consequential damages (including, but not limited to, loss of use, data, or profit) arising in any way from the use of this software, including if warned of the possibility of this damage.

You are allowed to distribute this ActiveX DLL and accompanying files, as long as no fee is charged.

J3Connector is based on the following components:

SQLite (http://sqlite.org/)
OpenSSL (https://www.openssl.org/)
SQLCipher Community Edition(https://www.zetetic.net/sqlcipher/open-source/)
SQLite3MultipleCiphers (https://github.com/utelle/SQLite3MultipleCiphers)

https://www.sqlite.org/copyright.html
https://www.zetetic.net/sqlcipher/license/
https://www.openssl.org/source/license.html
https://utelle.github.io/SQLite3MultipleCiphers/

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