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D3 ODBC Client Installation
Version: 2.0.27
Oct 18, 2001

Before running the D3 ODBC Client Installation, reboot the machine.

This installation will install the latest version of the D3 ODBC Driver, 2.0.27 and the latest version of the D3 Class Library (ODBC Only). It will also install a Help system for the D3 Class Library (ODBC Only). For information, see "Accessing the Help System" at the end of this ReadMe file.

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The following sections are for users upgrading from D3 ODBC clients prior to version 2.0.24
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Login Timeout

As of version 2.0.24 of the D3 ODBC Driver, the D3 Data Source Configuration Parameters dialog box includes a 'Login Timeout'. This text box includes the time in seconds that the driver will wait for a login request to complete before returning control to the client application. The range of the 'Login Timeout' is 1 to 32767 seconds. A 'Login Timeout' of 0 is equivalent to the maximum timeout of 32767 seconds.

For programmers using the ODBC API, specifically SQLConnect and SQLDriverConnect, in the event of an error, SQLError will return SQLState S1T00 with a message 'Login Timeout expired.'. For additions and changes to errors returned after a failed connection, see the next section 'Connection Errors'.

For programmers using the D3 Class Library (ODBC Only), specifically brOpenConnection, the trappable error 'd3MiscErr_Timeout' indicates that the connection failed because the timeout expired. For additions and changes to errors returned after a failed connection, see the next section 'Connection Errors'.

Connection Errors

As of version 2.0.24, the errors returned after a failed connection have been expanded and modified. The following table supplies a description of common connection errors, the errors returned via SQLConnect or SQLDriverConnect and the trappable errors available in the D3 Class Library (ODBC Only). A + indicates that this is an addition to the possible errors returned. The () indicates the error returned prior to version 2.0.24.

Description	ODBC API SQLState	D3 Class Library Trappable Errors
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Invalid D3 user, account or password	28000	d3MiscErr_NoConn
Out of ports or users	28000	d3MiscErr_NoConn
Non-existent or invalid DSN	IM002	d3MiscErr_InvalidDSN+ (d3MiscErr_NoConn)
No server started	08001	d3MiscErr_NoServer+ (d3MiscErr_NoConn)
Virtual machine not found	08S01+	d3MiscErr_NoServer+
Timeout expired	S1T00+	d3MiscErr_Timeout+
Server abort, shutdown or reset	08S01+	d3MiscErr_NoServer+ (d3MiscErr_Internal)
Unknown network or server errors	S1000 (08S01)	d3MiscErr_NoServer+ (d3MiscErr_Internal)

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The following sections are for users upgrading from D3 ODBC
clients prior to version 7.1.C12
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Raining Data D3 Class Library (ODBC Only)

Raining Data D3 Class Library (ODBC Only) is now the name for the library previously known as the D3 VB ODBC Object Library. As of version 7.1.C12, this library is built in Visual Basic 5.0. This DLL is now named, D3CLODBC.DLL (formerly called D3VBODBC.DLL). In the Visual Basic 'Available References', the library will appear as 'Raining Data D3 Class Library (ODBC Only)'. Older copies of the library can be unregistered (using regsvr32 /u d3vbodbc.dll) and deleted if no longer needed.

For Developers Using Visual Basic 4.0

Since the library is built using VB 5.0, developers using Visual Basic 4.0 need the VB 5.0 runtime, MSVBVM50.DLL (service pack 2 or higher). This DLL can be downloaded from the Raining Data FTP site at ftp://ftp.rainingdata.com/pub/ODBC/patches/7.1.x. Once the DLL is downloaded, register the DLL using regsvr32 (regsvr32 msbvm50.dll). Run (or rerun) the D3 ODBC Client Installation.

For Developers Using Visual Basic 5.0

For developers using Visual Basic 5.0 without service pack 2 or higher, the VB 5.0 runtime from service pack 2 or higher, MSVBVM50.DLL, is required. To determine if service pack 2 or higher is loaded, launch Visual Basic. Under the Help menu, select About Microsoft Visual Basic. The first line in the About box is Microsoft Visual Basic 5.0 (SP#). If (SP#) is included, where # is 2 or higher, then the service pack is installed; otherwise, the required service pack is not installed. If possible, service pack 3 should be installed; otherwise, the required DLL can be downloaded from the Raining Data FTP site at ftp://ftp.rainingdata.com/pub/ODBC/patches/7.1.x. Once the DLL is downloaded, replace the older version and register the DLL using regsvr32 (regsvr32 msbvm50.dll). Run (or rerun) the D3 ODBC Client Installation.

If in doubt, to verify that a file MSVBVM50.DLL is at a level of SP2 or higher, right click the file from Windows Explorer, select Properties, then Version. If something similar to "05.00.4319 (SP2)" displays, then the DLL can be used with the latest version of the client.

For developers with existing applications (prior to C12)

To use the latest version of the D3 Class Library (ODBC Only), change the project references by deleting the reference to 'D3 VB ODBC Object Library' and including the reference to 'Raining Data D3 Class Library'. The latest version of the library is backward compatible for code developed using previous versions of the library with ONE EXCEPTION:

As of version C12, brOpenTclCommand only initializes the TCL command. brExecute must be called to execute the command. Previously, brOpenTclCommand initialized AND executed the TCL command. Therefore, developers with code containing brOpenTclCommand must add brExecute immediately following the brOpenTclCommand to maintain functionality.

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To use the latest version with VB6.0, the file MSVBVM50.DLL must be registered on the system.

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The following section is for all users
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Accessing the Help System

A Help system is installed during the D3 Client Installation process. This Help system includes a Programmer's Guide and Library Reference for the D3 Class Library (ODBC Only).

Help can be accessed in two ways:

- (1) From within the Visual Basic Object Browser, select an object, and then either press <F1> or right-click and select Help.
- (2) Double-click either the Libref.hlp file or the Proggde.hlp file. Either file opens the entire Help system. For Windows 95/98/ME, these files are in C:\Windows\System. For Windows NT/2000, these icons are in C:\Winnt\System32.

NOTE: For the Help system to operate properly from within the Visual Basic Object Browser, Visual Basic 5.0 with service pack 3 or higher is required.