

SYBASE®

Installation Guide

DataWindow .NET™

2.5

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About This Book

Audience	This book is for anyone installing DataWindow .NET™.
How to use this book	Read this book before you run the common setup program to install DataWindow .NET, DataWindow Designer, the DataWindow Reference, and SQL Anywhere®.
Related documents	For a complete list of DataWindow .NET documentation, see the preface of the DataWindow .NET <i>Programmer's Guide</i> .
Other sources of information	<p>Use the Sybase Getting Started CD, the SyBooks CD, and the Sybase Product Manuals Web site to learn more about your product:</p> <ul style="list-style-type: none">• The Getting Started CD contains release bulletins and installation guides in PDF format, and may also contain other documents or updated information not included on the SyBooks CD. It is included with your software. To read or print documents on the Getting Started CD, you need Adobe Acrobat Reader, which you can download at no charge from the Adobe Web site using a link provided on the CD.• The SyBooks CD contains product manuals and is included with your software. The Eclipse-based SyBooks browser allows you to access the manuals in an easy-to-use, HTML-based format. <p>Some documentation may be provided in PDF format, which you can access through the PDF directory on the SyBooks CD. To read or print the PDF files, you need Adobe Acrobat Reader.</p> <p>Refer to the <i>SyBooks Installation Guide</i> on the Getting Started CD, or the <i>README.txt</i> file on the SyBooks CD for instructions on installing and starting SyBooks.</p> <ul style="list-style-type: none">• The Sybase Product Manuals Web site is an online version of the SyBooks CD that you can access using a standard Web browser. In addition to product manuals, you will find links to EBFs/Maintenance, Technical Documents, Case Management, Solved Cases, newsgroups, and the Sybase Developer Network. <p>To access the Sybase Product Manuals Web site, go to Product Manuals at http://www.sybase.com/support/manuals/.</p>

Sybase certifications on the Web

Technical documentation at the Sybase Web site is updated frequently.

❖ **Finding the latest information on product certifications**

- 1 Point your Web browser to Technical Documents at <http://www.sybase.com/support/techdocs/>.
- 2 Click Certification Report.
- 3 In the Certification Report filter select a product, platform, and timeframe and then click Go.
- 4 Click a Certification Report title to display the report.

❖ **Finding the latest information on component certifications**

- 1 Point your Web browser to Availability and Certification Reports at <http://certification.sybase.com/>.
- 2 Either select the product family and product under Search by Base Product; or select the platform and product under Search by Platform.
- 3 Select Search to display the availability and certification report for the selection.

❖ **Creating a personalized view of the Sybase Web site (including support pages)**

Set up a MySybase profile. MySybase is a free service that allows you to create a personalized view of Sybase Web pages.

- 1 Point your Web browser to Technical Documents at <http://www.sybase.com/support/techdocs/>.
- 2 Click MySybase and create a MySybase profile.

Sybase EBFs and software maintenance

❖ **Finding the latest information on EBFs and software maintenance**

- 1 Point your Web browser to the Sybase Support Page at <http://www.sybase.com/support>.
- 2 Select EBFs/Maintenance. If prompted, enter your MySybase user name and password.
- 3 Select a product.
- 4 Specify a time frame and click Go. A list of EBF/Maintenance releases is displayed.

Padlock icons indicate that you do not have download authorization for certain EBF/Maintenance releases because you are not registered as a Technical Support Contact. If you have not registered, but have valid information provided by your Sybase representative or through your support contract, click Edit Roles to add the “Technical Support Contact” role to your MySybase profile.

- 5 Click the Info icon to display the EBF/Maintenance report, or click the product description to download the software.

If you need help

Each Sybase installation that has purchased a support contract has one or more designated people who are authorized to contact Sybase Technical Support. If you cannot resolve a problem using the manuals or online help, please have the designated person contact Sybase Technical Support or the Sybase subsidiary in your area.



Installing DataWindow .NET

About this book

This book explains how to install DataWindow .NET on Windows 2000, Windows XP, or Windows Server 2003.

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About DataWindow .NET

DataWindow .NET components

DataWindow .NET includes the following components:

- DataWindow .NET 2.5 is a set of Microsoft .NET assemblies that enable you to use DataWindow® objects in applications built with tools that support the .NET Framework. If Microsoft Visual Studio 2005 is installed on your system, the DataWindow assemblies are integrated into the Visual Studio 2005 Toolbox.

- DataWindow Designer 2.5 is a tool that you use to build the DataWindow objects you use in DataWindow .NET. If Microsoft Visual Studio 2005 is installed on your system, DataWindow Designer is installed as a plug-in to Visual Studio. It is also installed as a standalone tool.
- DataWindow Reference 2.5 provides dynamic Help for the DataWindow assembly in Microsoft Help 2 format. If Microsoft Visual Studio 2005 is installed on your system, the DataWindow Reference is integrated into the Visual Studio 2005 Help system.

SQL Anywhere

DataWindow .NET also includes SQL Anywhere 10.0. SQL Anywhere is a relational database-management system. It is required if you want to use the sample DataWindow object library and demo database installed with DataWindow Designer and the DataWindow .NET samples.

For more information about SQL Anywhere, see “Installing SQL Anywhere” on page 9.

DataWindow .NET
CDs

DataWindow .NET 2.5 includes the CDs listed in Table 1-1.

Table 1-1: DataWindow .NET 2.5 CD contents

CD	Contents
Getting Started	Global License Agreement, <i>Customer Services Reference Guide</i> , <i>Sybooks Installation Guide</i> , DataWindow .NET <i>Release Bulletin</i> , this <i>Installation Guide</i> , and the DataWindow .NET Documentation Offer order card. Load this CD first.
DataWindow .NET	Setup program for DataWindow .NET 2.5, DataWindow Designer 2.5, the DataWindow Reference 2.5, and SQL Anywhere 10.0.
DataWindow .NET Technical Library	Documentation for DataWindow .NET in HTML-based and PDF formats. For more information, see “Other sources of information” on page v.

System requirements

This section provides system requirements for each product or tool in DataWindow .NET. All tools require a CD-ROM drive. The disk space requirements provided are approximate. The actual disk space you need for each tool might vary depending on hard disk size, partitioning, and the features you choose to install. Additional temporary space is required on the hard disk during installation for uncompressing install files.

DataWindow .NET
system requirements

Table 1-2 shows system requirements for DataWindow .NET components.

Table 1-2: System requirements for DataWindow .NET

System component	Development environment
Operating system	Windows 2000 with SP 4, Windows XP Professional with SP 2, Windows XP Tablet PC Edition with SP 2, or Windows Server 2003 with SP 1
CPU	600 MHz Pentium III class processor
Minimum memory	256MB
Disk space	DataWindow .NET: 93MB DataWindow Designer: 85MB DataWindow Reference: 2MB

SQL Anywhere
system requirements

Table 1-3 shows system requirements for SQL Anywhere.

Table 1-3: System requirements for SQL Anywhere

System component	Development environment
Operating system	Windows 2000, Windows XP, Windows XP Tablet PC Edition, or Windows Server 2003
CPU	400 MHz or higher Pentium-compatible
Minimum memory	48MB in addition to memory required by the operating system
Disk space	242MB for all components

Product licensing with SySAM 2.0

Starting with DataWindow .NET 2.5, DataWindow .NET uses the Sybase Software Asset Management System (SySAM) for product licensing. If you have purchased DataWindow .NET, you have either a standalone local license or a served license.

For more information about licensing, see the SySAM documentation on the Product Manuals Web site at <http://www.sybase.com/support/manuals/>.

For troubleshooting help, see “Troubleshooting SySAM issues” on page 19.

Installing a standalone
local license

Typically, you must have a license file to install DataWindow .NET on your computer. You can download a license file from the Sybase Product Download Center (SPDC) at <https://sybase.subscribenet.com>. If you are evaluating DataWindow .NET, refer to the information provided with your CD or download.

If you purchase DataWindow .NET from Sybase, you receive an email with a URL, your login, and your password for the SPDC. If you purchase DataWindow .NET from a Sybase reseller, you receive a certificate with a Web key registration number and a download URL.

You must provide the host ID and computer name of the computer where you want to install a local license when you contact the SPDC. If you have not obtained your license information before you run the setup program, you can find them on the License Key page in the setup program.

Installing a served license

If you are installing a served license, your organization needs a license server. The license server allows you to share and control licenses within a pool of users. It controls license availability and allows you to use licenses as needed. The license server also blocks use when all licenses are being used.

To install a served license, you must know the server name. You may also need the TCP port number if the administrator who installed the license server defined a TCP port number that is different from the default. In this case, you must specify this user-defined TCP port number.

Setting up a license server

If you are responsible for setting up a license server, you can install a license server using the *Standalone SySAM Installer.zip* file in the *Support* directory on the CD. For more information, see the chapter on license server administration in the *Sybase Software Asset Management User's Guide* on the Product Manuals Web site at <http://www.sybase.com/support/manuals/>.

Pre-installation tasks

Before you install DataWindow .NET, perform the following tasks:

- Read the release bulletin for the latest information on the products you are installing. Pay close attention to the “Special Installation Instructions” section.

The release bulletin is available in the product package on the Getting Started CD.

Release bulletins are also available at the Product Manuals Web site at <http://www.sybase.com/support/manuals/>. The release bulletin at this site sometimes contains more recent information than the bulletin on the Getting Started CD.

A *readme.txt* file for SQL Anywhere is available in the *SQLAnywhere10* directory on the CD.

- Make sure the drive where you install DataWindow .NET is not compressed. If compression is enabled on the installation drive, the setup program fails.
- Make sure you have a TEMP environment variable that points to an existing directory location with at least 70MB free space. The setup programs write files to this directory during the installation and free the space after the installation is complete.
- Close any Visual Studio or .NET Framework applications or tools.
- Read “Backing up your files” next.
- Read “Required software for DataWindow .NET features” on page 6 to determine whether you need to install any software before installing DataWindow .NET 2.5.

If you installed a DataWindow .NET beta release

Before you install DataWindow .NET 2.5, you must remove all the beta software from your system from the Windows control panel, as described in “Removing a product” on page 20. If you do not remove the beta software, the setup program prompts you to do so before continuing with the installation.

If you installed DataWindow Designer, manually delete the *easdemodb.log* file in the *DataWindow Designer 2.5* directory.

Backing up your files

Back up any files created with earlier versions of Sybase tools. Make sure that any PBLs you plan to migrate have been built without error in your current version of DataWindow Designer before you back them up.

Besides backing up your PBLs, back up any files that contain information you do not want to lose, such as database files, INI files, preference information, and modified database definition files.

For additional information about backing up and migrating existing applications, see “Before using DataWindow .NET” on page 16.

Required software for DataWindow .NET features

Table 1-4 lists the software required for some DataWindow .NET features.

Read this table carefully to determine whether you need to install any software *before* you run the common setup program, and whether you need to select any other products or options available in the common setup program when you select DataWindow .NET or DataWindow Designer.

Table 1-4: Required software for DataWindow .NET features

Feature	Required software	Notes
DataWindow .NET development	Microsoft Visual Studio 2005 and the Microsoft .NET Framework Version 2.0	You must shut down Visual Studio before running the setup program. If Visual Studio 2005 is installed before DataWindow .NET, DataWindow .NET controls are added to the Toolbox. If you install Visual Studio after installing DataWindow .NET, you can use the DWToolBoxReg tool to add them later. Microsoft .NET Framework Version 2.0 is required for DataWindow .NET deployment.
DataWindow .NET Web forms development	Microsoft Internet Information Services (IIS) 5.0 or later	IIS must be configured to work with ASP.NET 2.0. For more information about configuring IIS, see your Microsoft documentation.
Context-sensitive help in Visual Studio 2005	DataWindow Reference	The DataWindow Reference is an option on the Select Components page in the setup program. See “Online Help” on page 7 for more information.
DataWindow Designer sample library and demo database DataWindow .NET tutorial in the <i>Programmer’s Guide</i>	SQL Anywhere 10.0 or later Code Examples option in DataWindow Designer setup program	SQL Anywhere 10.0 is included in the setup program and should be installed before DataWindow .NET. If the setup program cannot detect SQL Anywhere 10.0 or later on your computer and you have not selected SQL Anywhere in the common setup, you receive a warning if you select DataWindow Designer. If you choose to continue, the setup program does not install the sample DataWindow object library and demo database or create registry entries for the demo database. If you want to use these features later, you must install SQL Anywhere and reinstall DataWindow Designer. The Code Examples option is installed by default if SQL Anywhere 10.0 is detected on your computer.

Feature	Required software	Notes
Visual Studio examples in the <i>Code Examples</i> directory	SQL Anywhere 10.0 or later ADO.NET database driver Code Examples option in DataWindow .NET setup program DataWindow Designer demo database	SQL Anywhere 10.0 is included in the common setup and is installed before DataWindow .NET if you select both products. The ADO.NET driver is installed by default for both DataWindow .NET and DataWindow Designer.
Saving DataWindows as PDF	Ghostscript <i>and</i> PostScript printer driver	See “Installing Ghostscript” on page 18 for information about obtaining and installing Ghostscript files. See “Installing PostScript drivers” on page 18 for information about installing PostScript drivers.
Data access using the PowerBuilder ADO.NET interface	Microsoft .NET Framework version 2.0	
DataWindow .NET Runtime Packager	Microsoft Windows Installer	Microsoft Windows Installer is installed on all Windows XP and Windows Server 2003 systems. For Windows 2000, it can be installed or updated using the Windows Installer 3.1 Redistributable component downloaded from the Microsoft Download Center at http://www.microsoft.com/downloads .

Online Help

DataWindow .NET includes several forms of online Help. Read this section to determine which Help files to install.

Context-sensitive reference help

If you have Visual Studio 2005 installed, you can install context-sensitive reference help for the DataWindow assemblies in Microsoft Help 2 format (*DataWindowReference25.HxS*). To do so, select DataWindow Reference on the Select Components page in the common setup program.

This Help is added to the Visual Studio 2005 Help namespace. It displays in the Visual Studio Help contents, index, and search lists and provides dynamic help using the F1 key.

This Help can be displayed only from within Visual Studio or using Microsoft or third-party tools that are not installed on most systems.

Reference help in compiled HTML Help format

Reference help for the DataWindow .NET assembly in compiled HTML Help format (*dwref25.chm*) provides the same information as the Microsoft Help 2 file and can be launched by double-clicking the CHM file in Windows Explorer.

This help is installed by default with the DataWindow .NET component. You can deselect it by selecting the custom installation, expanding the Help node on the subcomponents page, and clearing the Reference Help check box.

Books in compiled HTML Help format

You can install a compiled HTML Help file (*dwnet25.chm*) that contains four books: the DataWindow .NET *Programmer's Guide*, the *DataWindow Object Reference*, the *DataWindow Designer User's Guide*, and *Connecting to Your Database*, as well as dialog box Help for DataWindow .NET selection and deployment dialog boxes.

This Help is installed with both the DataWindow Designer and DataWindow .NET components. If you want to install only one copy of the file, select the DataWindow .NET custom installation, expand the Help node on the subcomponents page, and clear the Main Help check box.

Online Help for DataWindow Designer

When you install DataWindow Designer, context-sensitive help and reference information for DataWindow Designer in Windows Help format (*dwhlp25.hlp*) is installed by default. This help includes the *Connection Reference*, which contains descriptions of database parameters and preferences, and the *DataWindow Object Reference*, which contains descriptions of DataWindow expressions, expression functions, and properties.

Starting the DataWindow .NET setup program

To install DataWindow .NET, insert the DataWindow .NET CD into your CD-ROM drive. The main setup program starts automatically.

Installing from a downloaded image

If you have downloaded an installable image from the Sybase Web site, run the *autorun.exe* file. If you run *setup.exe*, the procedure described in “Installing the DataWindow .NET product set” on page 11 starts and you will not be able to install SQL Anywhere.

❖ To start the main setup program:

- 1 Exit any programs that are running.
- 2 Insert the DataWindow .NET 2.5 CD into your CD-ROM drive.

On the start page of the setup wizard, you can choose to install DataWindow .NET 2.5 and SQL Anywhere 10.0.

- 3 Select SQL Anywhere 10.0 first if it is not already installed.

For how to install SQL Anywhere, see “Installing SQL Anywhere” on page 9.

SQL Anywhere required

If you select DataWindow .NET and the setup program detects that SQL Anywhere is not installed on your system, the setup program displays a warning message that allows you to exit the DataWindow .NET setup program and return to the start page and select SQL Anywhere. If you choose not to install SQL Anywhere, the features that depend on it, listed in Table 1-4 on page 6, are not installed.

- 4 Select DataWindow .NET 2.5.

Selecting DataWindow .NET 2.5 starts a wizard that collects basic information before installing the DataWindow .NET product set. You must provide the license information described in “Product licensing with SySAM 2.0” on page 3.

For how to install the DataWindow .NET product set, including DataWindow Designer and the DataWindow Reference, see “Installing the DataWindow .NET product set” on page 11.

Installing SQL Anywhere

Sybase SQL Anywhere is a fully-featured relational database and data management tool. The SQL Anywhere installation is restricted to development use only. Deployed systems require a separate SQL Anywhere license or the SQL Anywhere Runtime Edition (see “SQL Anywhere Runtime Edition” next).

SQL Anywhere
Runtime Edition

The SQL Anywhere installation includes MobiLink, a session-based synchronization system that allows two-way synchronization between a main database and many remote databases, and the Sybase Central database management tool.

DataWindow .NET also includes the SQL Anywhere for Windows royalty-free runtime edition (the “SQL Anywhere Runtime Edition”). The SQL Anywhere Runtime Edition is a restricted-functionality version of the standalone version of SQL Anywhere. For example, the SQL Anywhere Runtime Edition does not support stored procedures and triggers, transaction logs, and synchronization.

The SQL Anywhere Runtime Edition is available in the *Support\SA100runtime* directory on the CD. For more information, including the list of Redistributable Components of the SQL Anywhere Runtime Edition, see the *Read Me First* document in that directory.

The SQL Anywhere setup program installs the SQL Anywhere developer edition in default drives and directories unless you specify otherwise. If a directory you specify does not exist, setup creates it.

❖ **To install SQL Anywhere:**

- 1 On the start page of the DataWindow .NET 2.5 setup program, select SQL Anywhere 10.0.
- 2 On the Welcome page, click Next.
- 3 On the Choose Location page, click Next to accept the destination folder path shown, or click Browse and select a different path for all the modules, click OK, and click Next.
- 4 On the Choose Samples Location page, click Next to accept the destination folder path shown, or click Browse and select a different path for samples, click OK, and click Next.
- 5 On the Select Components page, select the components you want to install, and click Next.
- 6 On the Select Program Folder page, select the program folder to which program icons will be added or specify a new one, and click Next.
- 7 On the Start Copying Files page, review your settings, then click Next to begin installing files or Back to change your selections.

If you selected Documentation in step 3, the SQL Anywhere 10 Documentation Setup Select Components page displays.

- 8 Select Next to install the documentation or Cancel to continue without installing it. If you select Next, select Next again on the Start Copying Files page.
- 9 On the Setup Complete page, select the check box if you want to view iAnywhere Online Resources, and click Finish to return to the start page of the DataWindow .NET setup program.

Installing the DataWindow .NET product set

You must have Administrator privileges to fully install this product. After installing, make sure users have write permission for the DataWindow .NET 2.5 and DataWindow Designer 2.5 directories and the Windows registry.

❖ **To install the DataWindow .NET 2.5 product set:**

- 1 On the start page of the DataWindow .NET 2.5 setup program, select DataWindow .NET 2.5.
- 2 On the Welcome page, click Next to go to the License Type page.
- 3 On the License Type page, select the type of license you want to use.

If you select Standalone Seat - Local License and click Next, the License Key page displays. Click the Load button, navigate to the location of your license file, select it and click Open, then click Next. Wait for a few seconds while the setup program validates the license.

If you select Standalone Seat - Served and click Next, the Server Information page displays. Enter the name of the license server provided by your system administrator. You may also need the TCP port number if the administrator who installed the license server defined a non-default TCP port number. Click Next and wait for a few seconds while the setup program validates the license.

For more information, see “Product licensing with SySAM 2.0” on page 3.

- 4 On the License Agreement page, select your location from the drop-down list, read the license agreement, select the I AGREE radio button, and click Next to continue.
- 5 On the Customer Information page, enter your name and your company’s name.

- 6 On the Choose Destination Location page, click Next to accept the destination path shown, or click Browse and select a different path, click OK, and click Next.

Back and Next

Use the Back and Next buttons to step backward and forward through the wizard to modify specifications as necessary.

- 7 On the Select Components page, select the components you want to install and click Next to continue.
- 8 Complete the setup program for each individual component you selected.

Instructions for using the individual setup programs from the common setup program are provided in this section. They are presented in the order in which the setup programs run if you select two or more components.

Component	Section
DataWindow .NET	“Installing DataWindow .NET” on page 12
DataWindow Designer	“Installing DataWindow Designer” on page 13
DataWindow Reference	“Installing the DataWindow Reference” on page 14

Cancel

To interrupt the installation process, use the Cancel button in the wizard. When you click Cancel, you can choose to exit or resume the installation. If you choose to exit, you can exit the current setup program and continue with your other selections, or exit setup completely.

Installing DataWindow .NET

The DataWindow .NET setup program installs DataWindow .NET in default drives and directories unless you specify otherwise. If a directory you specify does not exist, setup creates it.

❖ **To install DataWindow .NET:**

- 1 On the Choose Destination Location page, click Next to accept the destination folder path shown, or click Browse and select a different path, click OK, and click Next.

- 2 On the Select Components page, check the components you want to install and click Next.

You can expand the tree view to select or clear subcomponents of top-level components.

You can choose whether to install the following components:

- Native database interfaces – these database interfaces provide native connections to Sybase, Oracle, Microsoft SQL Server, and Informix databases.
 - ADO.NET database driver.
 - ODBC database driver.
 - OLE DB database driver.
 - Help – for information about which Help files to install, see “Online Help” on page 7.
 - Code Examples – Visual Studio samples for Windows forms and Web forms.
- 3 On the Start Copying Files page, review your settings, then click Next to begin installing files or Back to change your selections.
 - 4 On the InstallShield Wizard Complete page, click Finish to return to the common setup program.

Installing DataWindow Designer

The DataWindow Designer setup program installs DataWindow Designer in default drives and directories unless you specify otherwise. If a directory you specify does not exist, setup creates it.

❖ To install DataWindow Designer:

- 1 On the Choose Destination Location page, click Next to accept the destination folder path shown, or click Browse and select a different path, click OK, then click Next.
- 2 On the Select Components page, check the components you want to install and click Next.

You can expand the tree view to select or clear subcomponents of top-level components.

You can choose whether to install the following components:

- Native database interfaces – these database interfaces provide native connections to Sybase, Oracle, Microsoft SQL Server, and Informix databases.
 - ADO.NET database driver.
 - ODBC database driver.
 - OLE DB database driver.
 - Code examples – this option installs a demo database and a sample library and project file.
 - Help – this option installs the *dwhlp25.hlp*, *dwhlp25.cnt*, and *dwnet25.chm* files. For information about what these files contain, see “Online Help” on page 7.
- 3 On the Start Copying Files page, review your settings, then click Next to begin installing files or Back to change your selections.
 - 4 On the InstallShield Wizard Complete page, click Finish to return to the common setup program.

Installing the DataWindow Reference

If Visual Studio 2005 is installed on your system, install the DataWindow Reference to provide access to context-sensitive help for DataWindow .NET in Visual Studio. For more information, see “Context-sensitive reference help” on page 7.

The DataWindow Reference setup program installs the DataWindow Reference in default drives and directories unless you specify otherwise. If a directory you specify does not exist, setup creates it.

❖ To install the DataWindow Reference:

- 1 On the Choose Destination Location page, click Next to accept the destination folder path shown, or click Browse and select a different path, click OK, then click Next.
- 2 On the Start Copying Files page, click Next to begin installing files.
- 3 On the InstallShield Wizard Complete page, click Finish to return to the common setup program.

Completing the setup program

After all the products you selected have been installed, you return to the common setup program.

❖ **To complete the setup program:**

- 1 On the InstallShield Wizard Complete page, click Finish to complete the installation.

If you do not clear the check box on this page, setup displays the readme file. You must close the readme file to continue.

- 2 On the main setup program's start page, choose to view the readme, Product Manuals Web site, or Sybase Web site, or click Exit to close the setup program.

Network install

The installation procedure presented above assumes you are installing from the DataWindow .NET CD. If you are a system administrator, you might want to allow users to install DataWindow .NET from a network drive rather than from the CD. To do this, copy the files from the CD into a directory on a network drive. Users can then install DataWindow .NET by running the setup program from the network.

What the setup program does

The setup program does the following:

- Installs Sybase files in a *Sybase* directory
- Installs system files in the Windows operating system path
- Creates a program group and icons for each product installed
- Creates uninstall files to identify what needs to be removed if you uninstall a product
- Makes changes to the Windows registry
- Creates or updates the *DW.INI* for DataWindow Designer

Registry changes

The setup program makes the following changes to the Windows registry:

- Creates or updates registry subkeys, including *ODBC.INI* and *ODBCINST.INI*
- Creates or updates the Sybase key in *HKEY_CURRENT_USER\Software* and *HKEY_LOCAL_MACHINE\Software*
- Updates system and user paths in *HKEY_CURRENT_USER\Environment*
- Adds the appropriate paths to the registry path *HKEY_LOCAL_MACHINE\Software\Microsoft\Windows\CurrentVersion\App Paths*
- Adds the paths to compiled HTMLHelp files to the registry path *HKEY_LOCAL_MACHINE\Software\Microsoft\Windows\HTMLHelp*

Before using DataWindow .NET

Before you use DataWindow .NET 2.5, you might need to perform some additional migration or configuration tasks:

- Migrating to DataWindow .NET 2.5
- Setting up your DBMS
- Installing Ghostscript
- Installing PostScript drivers

Migrating to DataWindow .NET 2.5

You can use DataWindow .NET 2.0 and DataWindow .NET 2.5 in Visual Studio at the same time, but each version must use separate projects and PBLs.

Migrating Visual Studio solutions

If you want to reuse an existing solution that used DataWindow .NET 1.0 or 1.5, make a backup copy, then open the solution in Visual Studio 2005 and migrate the solution to Visual Studio 2005.

If you want to reuse an existing solution that used DataWindow .NET 2.0, make a backup copy, then open the solution in Visual Studio 2005.

In the Solution Explorer:

- Replace references to *DataWindow.dll*, *DataWindowInterop.dll*, and *WebDataWindow.dll* with references to the DataWindow .NET 2.5 version of those files.
- Replace references to *Sybase.PowerBuilder* files, such as *Sybase.PowerBuilder.Db.dll*, with references to *Sybase.DataWindow* files.

Migrating DataWindow Designer projects

Projects created in the DataWindow Designer standalone tool have the extension *.dwp*, and projects created in the DataWindow Designer plug-in have the extension *.dwproj*. The two project file types are both text files but their formats are different.

To open a project created in an earlier version of DataWindow Designer in the plug-in, first back up all your PBLs. In Visual Studio, select File>Open>Project. In the Open Project dialog box, navigate to the location of your DataWindow Designer project, select DataWindow Projects from the Files of type list, select the project, and click Open. A message box displays asking you to confirm that you want to migrate a project in the old format to the new format. When you click Yes, a new project with the extension *.dwproj* is created and opened in the Solution Explorer and any PBLs in the project are migrated to the new version.

DataWindow objects are stored in library files called PBLs that must be migrated to DataWindow .NET 2.5. When you import a project from an earlier version into the plug-in in Visual Studio, the PBLs in the project are migrated. If you add a PBL from an earlier version to your project later, you should migrate the project again. To migrate a project, select Migrate from the pop-up menu for the project in the Solution Explorer in the DataWindow Designer plug-in, or in the System Tree in the DataWindow Designer standalone tool.

Setting up your DBMS

Your DBMS might require additional setup procedures for use with DataWindow .NET or DataWindow Designer. For details, see *Connecting to Your Database*.

Installing Ghostscript

If you want to save DataWindows as PDF, you must install Ghostscript.

❖ **To install Ghostscript:**

- 1 Into a temporary directory on your computer, download the self-extracting executable file for the version of Ghostscript you want from one of the sites listed on the Ghostscript Web site at <http://www.ghostscript.com/awki>.

See the DataWindow .NET release bulletin for the version of Ghostscript that was used for testing.

- 2 Run the executable file to install Ghostscript on your system.

The default installation directory is *C:\Program Files\gs*.

After installing Ghostscript, you should read the *readme.htm* file in the *doc* subdirectory in the Ghostscript installation directory to find out more about using Ghostscript and distributing it with your application.

Installing PostScript drivers

The Microsoft PostScript printer driver files, *PSSCRIPT5.DLL*, *PS5UI.DLL*, and *pscript.ntf*, used for saving DataWindows as PDF, are not distributed with DataWindow .NET 2.5 due to licensing issues.

If you have installed a PostScript printer, the PostScript driver files required to create PDF files are already installed, typically in *C:\WINDOWS\system32\spool\drivers\w32x86* on Windows XP. You must use the version of these files that is appropriate to the system where the PDF file is created. Copy the files to the *Shared\PowerBuilder\drivers* directory.

If you have never installed a PostScript printer, the Microsoft PostScript printer driver files, which are also required to add a PostScript printer, may not be available on your computer. You may be prompted to insert a Windows operating system installation CD when you perform the following procedure to add a PostScript printer.

❖ **To add a PostScript printer to your printer settings:**

- 1 Select Settings>Printers from the Windows Start menu.
- 2 Double-click Add Printer.
- 3 Specify a local printer.
- 4 Specify FILE: as the port.

- 5 Select a manufacturer (such as HP) and a printer with the designation PS (such as HP Color LaserJet PS or HP LaserJet 4/4M Plus PS 600).
 - 6 Accept the default name or enter a shorter name for the printer.
 - 7 Complete the wizard.
- ❖ **To use the print driver:**
- 1 In the DataWindow Designer plug-in in Visual Studio, select a DataWindow and select PDF from the Export list in the Data Export category in the Properties window.
 - 2 Set the ExportPostScript property to True.
 - 3 Specify the printer name (from step 6 in the previous procedure) as the PrinterName in the Print Specifications category.

Adding tools and components later

You can install additional tools and components by running the setup program again.

- ❖ **To add one or more components or tools to your installation:**
- 1 Repeat the installation procedure in “Starting the DataWindow .NET setup program” on page 8. Do not change the location for shared files.
 - 2 Select SQL Anywhere or DataWindow .NET from the start page and select the additional features you require in the individual setup programs.
 - 3 Complete the main setup program.

Troubleshooting SySAM issues

If you experience issues with your SySAM license, read this section to find information that might help you troubleshoot licensing issues, or help you collect information that Technical Support can use to diagnose licensing issues. You can find more information about SySAM licensing on the SySAM Web site at <http://www.sybase.com/sysam> and in the SySAM documentation on the Product Manuals Web site at <http://www.sybase.com/support/manuals/>.

Logging SySAM information	<p>For DataWindow .NET, the log file is named <i>dn25_sysam.log</i> and is saved in the <i>DataWindow .NET 2.5</i> directory.</p> <p>For DataWindow Designer, the log file is named <i>dw25_sysam.log</i> and is saved in the <i>DataWindow Designer 2.5</i> directory.</p> <p>The file contains status information from the development environment, the details of the current license, and, if you set the SySAMTrace value in <i>DW.INI</i>, information from the SySAM API. Technical Support might ask you to set these values if you experience license problems.</p>
Additional SySAM files	<p>The <i>dn25_sysam.properties</i> and <i>dw25.lic</i> files for DataWindow .NET are installed in the <i>DataWindow .NET 2.5</i> directory. The <i>dw25_sysam.properties</i> and <i>dw25.lic</i> files for DataWindow Designer are installed in the <i>DataWindow Designer 2.5</i> directory. These files contain information that might be useful to Technical Support. Do not edit these files unless directed to do so by Technical Support.</p>
Updating a license	<p>If your license has expired or is invalid and you have obtained a new license, you can update the license in Visual Studio. In the DataWindow Designer plug-in, select Update DataWindow License from the Tools menu and complete the wizard. In an application, right-click a Sybase DataWindow .NET control or object in the Design view and select Update DataWindow License from the pop-up menu.</p>
Served license issue	<p>If you enter an unqualified server name, such as “myserver”, as the license server name, it might not be found. Try a fully-resolved name, such as “myserver.mydomain.com.”</p>

Removing a product

If you want to remove products from your computer, you should use the Windows control panel’s Add or Remove Programs dialog box for each product you want to remove. This uses the DataWindow .NET setup maintenance program to remove:

- Shared and standard program files
- Folder items
- Program folders
- Program directories
- Program registry entries

Removing shared DLLs	<p>The setup maintenance program removes file and icon groups, as well as system and user path settings in the registry and INI files. These changes are not made if you simply delete directories.</p>
Stopping the setup maintenance program	<p>The setup program increments the usage count in the registry for each shared Sybase DLL and each shared system DLL. The setup maintenance program decrements that count. The setup maintenance program does not try to delete a shared DLL until the usage count reaches zero.</p> <p>Unlike the setup program, the setup maintenance program has no Back or Cancel button. Once you click Yes in the procedure below, the program cannot be stopped.</p>
<p>❖ To use the setup maintenance program to remove a product:</p>	
<ol style="list-style-type: none"><li data-bbox="424 609 1251 666">1 Make a backup copy of any files you might want to reuse (such as database and PBL files) if you plan to reinstall.<li data-bbox="424 687 1163 748">2 Open the Control Panel from the Start menu and double-click the Add/Remove Programs icon.<li data-bbox="424 769 1237 861">3 On the Install/Uninstall tab page, select the product to remove, click Add/Remove, and click Yes when prompted to confirm that you want to remove the tool.<li data-bbox="424 881 1251 1085">4 If you are prompted to remove a shared file, click the appropriate response. If the usage count for a system file in the registry indicates that the file is no longer being used, the setup maintenance program asks if you want to delete the file. Some applications do not increment the usage count; therefore, <i>do not delete a file unless you are sure it is not being used by another application.</i>	

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