

Release Bulletin DataWindow .NET™ 2.0.1

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Topic	Page
1. Accessing current release bulletin information	2
2. Product summary	2
2.1 Third-party software	2
3. Special installation instructions	3
3.1 Before you install	3
3.2 Installing DataWindow .NET	3
4. Changed functionality in this version	4
4.1 Showing button background color on XP	4
4.2 Adaptive Server Enterprise 15 support	4
4.3 Unsigned datatype support for ASE 15	5
4.4 ServerCursor database parameter	5
5. Known problems	5
5.1 DataWindow .NET issues	5
5.2 DataWindow issues	6
5.3 Web DataWindow issues	7
5.4 Database connectivity issues	8
6. Product compatibilities	9
7. Technical support	9

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Message Format Libraries, Sybase Central, Sybase Client/Server Interfaces, Sybase Development Framework, Sybase Financial Server, Sybase Gateways, Sybase Learning Connection, Sybase MPP, Sybase SQL Desktop, Sybase SQL Lifecycle, Sybase SQL Workgroup, Sybase Synergy Program, Sybase Virtual Server Architecture, Sybase User Workbench, SybaseWare, Syber Financial, SyberAssist, SybFlex, SybMD, SyBooks, System 10, System 11, System XI (logo), SystemTools, Tabular Data Stream, The Enterprise Client/Server Company, The Extensible Software Platform, The Future Is Wide Open, The Learning Connection, The Model For Client/Server Solutions, The Online Information Center, The Power of One, TotalFix, TradeForce, Transact-SQL, Translation Toolkit, Turning Imagination Into Reality, UltraLite, UltraLite.NET, UNIBOM, Unilib, Uninull, Unisep, Unistring, URK Runtime Kit for UniCode, Viafone, Viewer, VisualWriter, VQL, WarehouseArchitect, Warehouse Control Center, Warehouse Studio, Warehouse WORKS, Watcom, Watcom SQL, Watcom SQL Server, Web Deployment Kit, Web.PB, Web.SQL, WebSights, WebViewer, WorkGroup SQL Server, XA-Library, XA-Server, XcelleNet, XP Server, XTNDAccess and XTNDConnect are trademarks of Sybase, Inc. or its subsidiaries. 07/06

Topic	Page
8. Other sources of information	10
8.1 Sybase certifications on the Web	10
8.2 Sybase EBFs and software maintenance	11

1. Accessing current release bulletin information

A more recent version of this release bulletin may be available on the Web. To check for critical product or document information added after the product release, use the Sybase Product Manuals Web site.

❖ Accessing release bulletins at the Sybase Product Manuals Web site

- 1 Go to Product Manuals at <http://www.sybase.com/support/manuals/>.
- 2 Select DataWindow .NET™ and click Go.
- 3 Select DataWindow .NET 2.0.1 from the Document Set list.
- 4 Select the Release Bulletins link.
- 5 Select the link to the release bulletin. You can either download the PDF version or browse the document online.

2. Product summary

This product is Sybase DataWindow .NET™ version 2.0.1, which is compatible with the following platform and operating system configurations:

- Microsoft Windows 2000 with Service Pack 4
- Microsoft Windows XP with Service Pack 2
- Microsoft Windows XP Tablet PC Edition with Service Pack 2
- Microsoft Windows Server 2003 with Service Pack 1

2.1 Third-party software

For third-party software licenses that apply to this product, see the *Getting Started* CD in your DataWindow .NET 2.0 software package.

3. Special installation instructions

3.1 Before you install

Before you install this release, shut down any applications running on your system. Restart your system after all the installations are complete.

The executable files in this release extract setup files to the folder specified by your TMP environment variable, or the folder specified by your TEMP environment variable if TMP is not defined or specifies a directory that does not exist. Make sure you have enough disk space on the drive containing this folder before beginning the installation.

To specify an alternative location, open the System Properties dialog box from the Windows Control Panel, select the TMP user variable (or TEMP if TMP does not exist) on the Environment or Advanced tab page, and specify a location that has sufficient space.

3.2 Installing DataWindow .NET

You can download DataWindow .NET 2.0.1 from the PowerBuilder page of the Sybase EBFs/Maintenance site at <http://downloads.sybase.com>. Download the files you require and extract the contents of the zip files following the instructions in the download notes that accompany the release.

To install DataWindow .NET 2.0.1, you must have already installed DataWindow .NET version 2.0 on your computer.

❖ **To update DataWindow .NET:**

- 1 Create a backup by copying the contents of your *DataWindow .NET 2.0*, *DataWindow Designer 2.0*, and *DataWindow Reference 2.0* directories to another directory.
- 2 Run the *setup.exe* file in the directory extracted from the *DataWindow.NET.zip* file.

4. Changed functionality in this version

New Features in DataWindow .NET 2.0 describes features added in DataWindow .NET 2.0. You can view this book on the Sybase Product Manuals Web site at <http://sybooks.sybase.com/>. Select DataWindow .NET from the list of products and click Go, then select DataWindow .NET 2.0 and select this title.

The features listed in the following sections have been added in DataWindow .NET 2.0.1.

4.1 Showing button background color on XP

When you change the background color of a button in a DataWindow on the XP operating system, the change does not display by default in the Preview view or when you run the application, because the XP theme typically controls the background color of buttons.

To display the change in Preview mode, set the ShowBackColorOnXP property in the [Data Window] section of your *DW.INI* file:

```
[Data Window]
ShowBackColorOnXP=1
```

To display the change at runtime, add the following statement to code that runs before the DataWindow is displayed:

```
dw_1.Modify("DataWindow.ShowBackColorOnXP = yes")
```

This change is also available in DataWindow .NET 2.0 EBF Build 5063 and 1.5.1 EBF Build 9671 and later builds.

4.2 Adaptive Server Enterprise 15 support

A new interface (ASE) has been added for connections to Adaptive Server® Enterprise. The ASE interface is identical to the SYC interface with two exceptions: the ASE interface supports only Adaptive Server 15 and later releases and includes support for large identifier names not available in the SYC interface. The ASE driver supports column names with up to 128 characters.

4.3 Unsigned datatype support for ASE 15

Support for three unsigned datatypes, UnsignedBigInt, UnsignedInt, and UnsignedSmallInt, introduced in Adaptive Server 15, was included in the SYC and JDBC drivers for DataWindow .NET 2.0. It is available for the ODBC and ASE drivers in DataWindow .NET 2.0.1.

4.4 ServerCursor database parameter

When you use the OLE DB database interface with a Microsoft SQL Server database and retrieve data into a DataWindow, server-side cursors are used to support multiple command execution. If this has a negative impact on performance, try increasing the size of the Block database parameter to 500 or more, or adding the following line to the [Microsoft SQL Server] section in the *PBODB105.INI* file to turn off server-side cursors:

```
ServerCursor = 'NO'
```

The ServerCursor parameter can be used only in the PBODB initialization file.

5. Known problems

5.1 DataWindow .NET issues

5.1.1 GetFullState and SetFullState cause OutOfMemoryException

When used with a large volume of data in a distributed (.NET remoting) application, the GetFullState and SetFullState methods consume excessive memory and an OutOfMemoryException is thrown. The same technique in a client/server application works correctly. [CR 360283]

5.1.2 ADO.NET driver does not support Oracle stored procedures

The DataWindow .NET ADO.NET database driver cannot retrieve a DataWindow built using an Oracle stored procedure as its data source. It reports the following error: "SqlDbCode = 999. SqlErrText = Select error: Requested result set not found." The same DataWindow can be retrieved successfully using the DataWindow .NET Transaction object. [CR 347692]

5.1.3 DataWindow blobs do not support Web services

The DataWindowFullState and DataWindowChanges classes cannot be used in a Web service because some of their members are internal or protected and therefore cannot be serialized using XML serialization. [CR 404157]

5.2 DataWindow issues

5.2.1 AutoSize Height issues with header band

When two reports are included one above the other in the header band of a DataWindow object and the AutoSize.Height property is set to true for the header band and false for the detail band, the DataWindow displays incorrectly in preview. The lower report overlaps the upper report. The report displays correctly if the Autosize.Height property is set to true in both the header and detail bands.[CR 405033]

5.2.2 Limitations in default PostScript drivers

The PostScript drivers installed with DataWindow .NET do not support searching the generated PDF file, and when a DataWindow object has more columns than fit on a single page, so that data is wrapped to a new page in the PDF file, sometimes the last column on each page is clipped. The workaround is to use an alternative driver. See the *Installation Guide* for how to install and use an alternative driver. [CR 324579, CR 332365]

5.2.3 DropDownListBox displays incorrect value with a shared DataWindow

In an application with two DataWindowControls, one DataWindow is shared with a DataStore and the value for the second is set using GetChanges and SetChanges in a round trip to the server in the ItemChanged event. Selecting an item in a DropDownListBox in the second DataWindow displays an incorrect value. [CR 421580]

5.3 Web DataWindow issues

5.3.1 Page error when page scripting language set to VBScript

If the scripting language of an *.aspx* page is set to VBScript, the JavaScript inserted when a client event handler is generated from the Properties window causes an “Invalid character” page error. VBScript and JavaScript can coexist on the page as long as the default scripting language is not set to VBScript. [CR 376258]

5.3.2 ResetUpdateStatus in external Web DataWindow

When a DataWindow has been retrieved from a database, calling `ResetUpdateStatus` after `InsertRow` resets the client context and no row is inserted on the client. This is expected behavior. However, when a DataWindow has been created using `DataWindowSyntaxFromSql`, the client context is not reset and a row is inserted on the client. If you make another change before calling `ResetUpdateStatus`, such as calling `SetItem`, the client context is reset and no row is inserted. [CR 380438]

5.3.3 Web DataWindow Retrieve fails with retrieval arguments

When there are retrieval arguments, the Web DataWindow client-side `Retrieve` method returns -1 and fails to retrieve data. [CR 382988]

5.3.4 Incorrect rendering after client-side insert, append, or delete

In an N-Up Web DataWindow using the XML `RenderFormat` and `XmlClientSide PagingMethod`, some items in the detail band, such as a computed field or text, are rendered in the wrong position after a client-side insert, append, or delete row. Newly inserted or appended rows are not rendered correctly. These actions are not supported on the client side in N-Up Web DataWindows. [CR 423620]

5.3.5 Sort from column header fails if column is linked

In a Grid Web DataWindow, clicking a column header to sort by that column fails if the column has an HTML link. [CR 442523]

5.3.6 Groupbox rendered on top of Rectangle in XML Web DataWindow

If a Rectangle control is placed on top of a Groupbox control in the DataWindow painter, the Groupbox displays on top of the Rectangle at runtime when the Web DataWindow uses the XML RenderFormat. The Rectangle displays on top with the XHTML and HTML RenderFormats. [CR 422749]

5.3.7 Groupbox and Rectangle not rendered in Graph XML Web DataWindow

In a Graph Web DataWindow using the XML RenderFormat and XmlClientSide PagingMethod, Groupbox and Rectangle controls are not rendered if they are in the foreground layer. [CR 422757]

5.4 Database connectivity issues

5.4.1 Window is a reserved word in ASA

In ASA 9, the word “window” is a reserved word. As a result, SELECT statements on a column with the name window do not work correctly. There are several ways to work around this issue:

- Set the DelimitIdentifier database parameter to “Yes” in the ConnectString.
- Set the ASA database option “SET OPTION NON_KEYWORDS = ‘WINDOW’”.
- In SQL statements, enclose the column name in quotation marks.

[CR 334166]

5.4.2 Alter table limitations with OLE DB and Microsoft SQL Server

When you connect using OLE DB and change the name or width of a column in a Microsoft SQL Server 2000 database using Alter Table in the Database painter in DataWindow Designer, the column is moved to the end of the table and all its data is lost. To prevent this from occurring, DataWindow Designer does not allow you to alter a table's column name and column size. You can alter the table outside the painter using ISQL scripts. [CR 348581]

5.4.3 Informix interface does not work with UTF-8

The IN9 Informix database interface cannot update and retrieve data when the Informix server uses the UTF-8 character set. The interface works correctly with ANSI and DBCS. [CR 349535]

5.4.4 Microsecond portion of Adaptive Server times not retrieved

When you use the OLE DB interface to connect to an Adaptive Server Enterprise database and select a column with the DateTime or Time datatype, the microsecond portion of the time value is not retrieved. When you use the ODBC and JDBC interfaces, the microsecond portion of a DateTime column value is retrieved correctly, but the microsecond portion of a Time column value is not. [CR 399257]

6. Product compatibilities

This product is compatible with development environments that support the Microsoft .NET Framework Version 2.0. It has been tested with Microsoft Visual Studio .NET 2005 Professional and Standard editions. DataWindow .NET 2.0 has not been fully tested with Visual Studio .NET 2005 Express editions and they are currently not supported.

Microsoft .NET Framework Version 2.0 is required for deployment.

Microsoft Internet Information Services (IIS) 5.0 or later and ASP.NET 2.0 or later are required for Web DataWindow development and on the Web server.

The ability to save DataWindow objects in PDF files has been tested with AFPL Ghostscript 8.53.

7. Technical support

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 have any questions about this installation or if you need assistance during the installation process, ask the designated person to contact Sybase Technical Support or the Sybase subsidiary in your area.

8. Other sources of information

Use the Sybase Getting Started CD, the SyBooks CD, and the Sybase Product Manuals Web site to learn more about your product:

- 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 DataWindow .NET 2.0 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 DataWindow .NET 2.0 software. The Eclipse-based SyBooks browser allows you to access the manuals in an easy-to-use, HTML-based format.

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.

Refer to the *SyBooks Installation Guide* on the Getting Started CD, or the *README.txt* file on the SyBooks CD for instructions on installing and starting SyBooks.

- 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.

To access the Sybase Product Manuals Web site, go to Product Manuals at <http://www.sybase.com/support/manuals/>.

8.1 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.

8.2 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.

