Release Bulletin
PowerBuilder® Desktop/Professional 10.5

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 PowerBuilder® from the list of products and click Go.

3   Select PowerBuilder 10.5.

4   Select the Release Bulletin for PowerBuilder Desktop/Professional.

2. Product summary

Enclosed is Sybase PowerBuilder® Desktop or Professional version 10.5, 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

3. Special installation instructions

The *Installation Guide* on the Getting Started CD describes how to install the software.

4. Changed functionality in this version

New Features in PowerBuilder 10.5 describes features added in this version. You can view this book on the Sybase Product Manuals Web site at http://www.sybase.com/support/manuals/. Select PowerBuilder from the list of products and click Go, then select PowerBuilder 10.5 and select this title.

The New Features section of the PowerBuilder Help file also describes features added in this release. To view this Help, from the PowerBuilder menu, select Help>Welcome to PowerBuilder 10.5.

5. Known problems

5.1 Database connectivity issues

5.1.1 Window is a reserved word in ASA

In Adaptive Server® Anywhere 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'".

- Enclose the column name in quotation marks in SQL statements.

[CR 334166]

5.1.2 DataDirect ODBC XML driver issues

You cannot create an ODBC XML data source name (DSN) using the DataDirect 5.1 ODBC driver. [CR 408671]

5.1.3 DataDirect Oracle driver issues

If you create a table in the Database painter using the PB DataDirect 5.1 Oracle driver and give it a name that has all lowercase characters, the table columns are not visible in the Layout view. They display correctly after you select Tables>Refresh. [CR 348038]

The DataDirect OLE DB data provider for Oracle does not correctly handle inserts, updates, and display for Simplified Chinese and Traditional Chinese data. [CR 338372]

5.1.4 Oracle stored procedures with output parameters

An Oracle stored procedure with output parameters produces an ORA-01036 error at runtime. [CR 343297]

5.1.5 Connection issues with CnnPool

In the Database painter, attempting to connect to an Oracle9*i* or Oracle 10*g* database from an Oracle9*i* or Oracle 10*g* client fails after a connect and disconnect if the CnnPool database parameter is set to 'Yes'. [CR 355639]

5.1.6 RPC calls with non-Unicode Adaptive Server database

PowerBuilder can access Unicode data in Unichar and Univarchar columns in Adaptive Server® Enterprise databases that do not use a Unicode character set. You must set the UTF8 database parameter to 1 and configure the server to support both Adaptive Server direct conversions and Unicode conversions. To configure the server, the database administrator must run the following command:

```
sp_configure, "enable Unicode conversion", 1
```

Declare procedure calls work correctly with this configuration, but RPC calls that use these columns are not currently supported. [CR 378850]

5.1.7 ASE version 15 with ODBC driver

The following issues occur when you connect to an ASE version 15 server using the Sybase ASE ODBC driver:

• NChar(10) and NVarChar(10) columns are saved as Char(10) and VarChar(10). [CR 408710]

• Retrieving and updating data in a DataStore with a TimeStamp datatype fails. This is due to a bug in the ASE ODBC driver. [CR 408684, CR 416248]

5.2 DataWindow issues

5.2.1 TreeView levels cannot be selected correctly when levels are collapsed and a trailer band has content

In a TreeView DataWindow® object that has a trailer band that is not empty, calling SelectTreeNode to highlight a TreeView level does not work correctly if any levels above the current level are collapsed. The workaround is to select the SelectNodeByMouse property. This occurs at design time and runtime. [CR 418438]

5.2.2 Incorrect display in TreeView after scrolling

At runtime, if the last row in a TreeView DataWindow is not completely displayed, when you click the row and scroll, the selected row displays incorrectly. [CR 421850]

5.2.3 SelectNodeByMouse prevents updates in the Preview view

At design time, if you select the SelectNodeByMouse property, modify data in the Preview view, then move the cursor to the next row, the data you modified is reset. If you clear the SelectNodeByMouse property, you can modify data as expected. [CR 421877]

5.2.4 SelectNodeByMouse prevents event from triggering on single click

At runtime, if the SelectNodeByMouse property is true and there is a script in the DataWindow control's Clicked event, the event is not triggered when an unselected row or node is clicked. It is triggered when a selected row or node is clicked. [CR 422014]

5.2.5 PowerBuilder 10 RichText PSR cannot be opened in PowerBuilder 10.5

PSR files saved from RichText DataWindow objects in PowerBuilder 10 cannot be opened in PowerBuilder 10.5. RichText PSR files saved in PowerBuilder 8 and 9 can be opened in PowerBuilder 10.5. [CR 421267]

5.2.6 Computed column in header or footer of RichText DataWindow not updated

If you insert a {DWPAGE} computed column into the footer or header of a RichText DataWindow object, then change the row count of the DataWindow by deleting, inserting, and filtering rows, the computed column is not updated. This issue occurs at design time and runtime. [CR 420842]

5.2.7 Deleting a row in a RichText DataWindow displays ?? in input fields

When a RichText DataWindow has many rows, selecting a single row causes two question marks (??) to display in the input fields. The expected behavior is to scroll to the next row with data. [CR 420843]

5.2.8 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]

5.2.9 Save As PDF fails on Windows 2003 Server

Saving as PDF using the Distill method fails at runtime on Windows 2003 Server. This problem is caused by a Group Policy that by default disallows installation of printers that use kernel-mode drivers. Kernel-mode drivers have access to system-wide memory, and poorly written drivers can cause system failures. To allow installation of kernel-mode drivers, follow these steps:

1   Select Run from the Windows Start menu.

2   In the Open box, type gpedit.msc and click OK.

3   In the Group Policy console, expand Computer Configuration, Administrative Templates, and Printers.

4   Disable "Disallow Installation of Printers Using Kernel-Mode Drivers."

[CR 349868]

5.2.10 XSL-FOP save as PDF does not support graphic controls

Use the distill method to export the data in DataWindow objects that contain graphic controls, such as ovals and rectangles, to PDF. The XSL-FOP method does not work correctly for graphic controls. [CR 303829]

5.2.11 Limitations in default PostScript drivers

The PostScript drivers installed with PowerBuilder 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 PowerBuilder 10.5 *Installation Guide* on the Sybase Product Manuals Web site at http://sybooks.sybase.com for how to install and use an alternative driver. [CR 324579, CR 332365]

5.2.12 Print preview mode disabled with ShowPrintDialog

When a DataWindow is in print preview mode, calling the Print method with the ShowPrintDialog argument set to true causes the DataWindow to display in normal mode. [CR 401182]

5.3 Decimal and longlong datatype support issues

5.3.1 Compiler error when maximum value assigned

Assigning the maximum value to a decimal variant without a decimal portion causes a compiler error. [CR 380713]

5.3.2 Precision lost in message box

Precision is lost when you display a decimal variant with more than 16 bits in a message box. [CR 390258]

5.3.3 Dynamic SQL Format 4 does not work with longlong datatype

PowerBuilder 10.5 supports the longlong datatype and increases the range of the decimal datatype, but DSQL format 4 provides only one function, GetDynamicNumber, for all numeric datatypes. This function does not work properly for data having the longlong datatype, or with high-range data of the decimal datatype. A new function for longlong and decimal datatype data will be implemented in a future release. [CR 403862]

5.4 Menu and toolbar issues

5.4.1 Show and Hide functions rearrange menu items

In an MDI application, if a sheet window is maximized, the menu's Show and Hide functions rearrange the position of the menu item associated with the open sheet. [CR 419362]

5.4.2 Text change in menu item does not take effect immediately

A change to the text of a first-level menu item does not take effect until the menu object is re-rendered. This issue exists only in contemporary style menus. [CR 420568]

5.4.3 Shadow displays in WYSIWYG view

When you select View>Layout>Default in the Menu painter for a contemporary-style menu, then move the mouse to a first-level item in the WYSIWSG view, a shadow displays in the view. It disappears when you move the mouse again. [CR 421346]

5.4.4 Stock file image size inconsistent

In contemporary menus and toolbars, stock files and external files with multiple images are loaded differently. For stock files, PowerBuilder loads 32x32 images first. For external files, PowerBuilder loads 16x16 images first. PowerBuilder stock files include two types of files: BMP and ICO. Most BMP files have 16x16 images, and most ICO files have both 16x16 and 32x32 images. When you use a stock file, the BMP file is loaded with the 16x16 image but the ICO file is loaded with the 32x32 image. As a result, the size of the stock image used is inconsistent. [CR 421716]

5.4.5 Missing images replaced with a cross

If an image cannot be found and the missing image has any extension other than *.ico*, a cross is displayed. If the missing image has the extension *.ico* or its name ends with an exclamation mark (!), as is the case for all stock icons, nothing displays. [CR 422183]

5.4.6 Changing external image in menu painter affects other external images

If you use a relative path to locate external images on a menu or toolbar, when you change one external image, other external images sometimes cannot be found. To redisplay the images, restart PowerBuilder. [CR 422312]

5.4.7 RightToLeft property not supported

The RightToLeft property is not supported in menus and toolbars in this release. [CR 395702]

5.4.8 Display issues with some drivers

With some display card drivers, if you highlight a menu item with the mouse, a white block displays under the mouse point and is moved when you move the mouse. This is a limitation of the display card drivers and cannot be fixed in PowerBuilder. There are two techniques that might solve the issue:

1   In the Windows control panel, open the Mouse Properties dialog box and clear the Enable Pointer Shadow check box on the Pointers tab.

    The pointer shadow feature has known problems working with many graphical features and programs including OpenGL, GDI+, many video games, Jaws, VMWare, and Virtual PC.

2   In the Windows control panel, open the Display Properties dialog box and click the Advanced button on the Settings tab page. On the Troubleshooting tab page, decrease the hardware acceleration level by dragging the slider towards the left. Note that decreasing the hardware acceleration level affects display performance.

[CR 414452]

5.5 Rich text control issues

5.5.1 Paste function returns incorrect value

At runtime, when you select more than three characters in a RichTextEdit control and call the Copy and Paste functions, Paste does not return the correct number of characters pasted. [CR 419120]

5.5.2 PasteRTF function returns incorrect values

At runtime, the RichTextEdit control's PasteRTF function returns 1 if you paste an empty string and returns the length of the string if you paste an invalid RTF string. In both these cases, PasteRTF should return -1. [CR 420252]

5.5.3 Scroll issues when input fields bound to DataStore

At runtime, if you insert input fields in a RichTextEdit control and bind the data source to a DataStore, then call ScrollNextRow or ScrollNextPage, the cursor disappears and you cannot scroll the DataWindow as expected. [CR 419757]

5.5.4 InputFieldInsert fails after setting DataSource property

At runtime, if you call the RichTextEdit control's InputFieldInsert function and set the value of its DataSource property, you cannot subsequently call the InputFieldInsert function to insert multiple input fields without any text. Only the first input field is inserted. [CR 420259]

5.6 SCC issues

5.6.1 Adding an object to SCC whose name contains non-English characters fails

When you put a workspace that supports multiple languages under source control and attempt to add all files to SCC, PowerBuilder crashes if one or more of the object names contain non-English characters. [CR 342590]

5.7 Other issues

5.7.1 PowerTips using the XP style

Some window controls, such as Pictures, PictureButtons, and PictureHyperLinks, can display PowerTip text. When the cursor is on the control, the tip text displays but disappears after several seconds. Moving the cursor from the control to another control with PowerTip text and back again causes the tip to display again, but moving the cursor from the control to the window background or a control without PowerTip text and back does not. This problem is caused by a Microsoft issue with Comctrl32 Version 6. [CR 403814]

5.7.2 UTF-8 encoding in rich text control

If you insert an HTML file with UTF-8 encoding in a rich text control, the file does not display correctly unless the character set is indicated. In a future release, the encoding will be determined from the byte order mark of the HTML file, and it will not be necessary to indicate the character set. [CR 415495]

5.7.3 UpdateBlob SQL statement supports only UTF-16LE

The UpdateBlob SQL statement updates garbage characters to the database if the encoding of the blob variant is not UTF-16LE. For Adaptive Server Enterprise, PowerBuilder crashes if the encoding of the blob is ANSI or UTF-8 and it contains fewer than 10 characters. [CR 353231]

5.7.4 Truncated string in saved EMF file

If a string in a text control in a DataWindow object is longer than can be displayed in the control in the Design view in the DataWindow painter, an EMF file saved in the painter or at runtime displays with the string truncated. [CR 342797]

5.7.5 Throws clause removed from menu events when menu item is moved

If you add a user-defined event to a menu item and specify in the Prototype window that the event throws an exception, and then move the menu item to another location, the Throws box in the Prototype window is cleared. [CR 290236]

5.7.6 String formatting function not Unicode enabled

The String function used to format a string does not have an encoding argument to allow you to specify the encoding of the resulting string. As a result, the string returned can contain garbage characters.

To work around this issue, convert the string to a blob and then back to a string using the encoding parameters provided in the Blob and String conversion functions:

```
ls_temp = String(long, "address" ) // format string
lb_blob = blob(ls_temp, EncodingUTF16LE!)
ls_result = string(lb_blob, EncodingANSI!) // convert
                                            // to string
```

[CR 361568]

5.7.7 ActiveX control compiled in Visual C++ .NET causes crash

If an ActiveX control placed on a window was compiled using Visual C++ .NET 2003 (version 7.1), PowerBuilder might crash when you attempt to save the window. The problem is caused by the following known bug in the Microsoft Foundation Classes: "In a Microsoft Visual C++ .NET 2003 Microsoft Foundation Classes (MFC) application, the creation of ActiveX controls during application run time may fail if the values that are passed to create the control are of the ULONG data type." A patch is available from Microsoft. [CR 350660]

5.7.8 Some PSR files must be regenerated

PSR files created in builds of PowerBuilder 10.0 or 10.0.1 prior to EBF build 6044 cannot be opened in PowerBuilder or InfoMaker 10.5. You must regenerate the PSR file in a later build. [CR 386984]

5.7.9 Some PBD files must be regenerated

In PowerBuilder 10.0 or later, you cannot use a PowerBuilder dynamic library (PBD) that was created in PowerBuilder 9 or earlier versions of PowerBuilder because the PBD file uses ANSI encoding. You must regenerate the PBD in PowerBuilder 10.0 or later to use Unicode encoding instead. [CR 393000]

6. Product compatibilities

6.1 Adaptive Server Anywhere

PowerBuilder 10.5 has been tested with Adaptive Server Anywhere 9.0.2 and the ASA 9.0.2 Runtime Edition.

7. Documentation updates and clarifications

7.1 InsertPicture enhancement for RichTextEdit

The InsertPicture function for the RichTextEdit control now supports WMF, JPEG, PNG, GIF, and TIFF files in addition to bitmap files. The list of modified functions in the *New Features* book and the description of InsertPicture in the PowerScript® Reference do not include this enhancement.

8. Migration information

You can migrate a PowerBuilder application from any version of PowerBuilder directly to any later version. Before you migrate to a later version, read the following Technical Document to learn about changes in PowerBuilder that might affect your application: Migrating PowerBuilder Applications at http://www.sybase.com/detail?id=1032777.

Back up your files and use the Migration Assistant to identify obsolete code before you migrate.

9. 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.

10. 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 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.

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/.

10.1 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.

10.2 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.

11. Accessibility features

This document is available in an HTML version that is specialized for accessibility. You can navigate the HTML with an adaptive technology such as a screen reader, or view it with a screen enlarger.

PowerBuilder 10.5 and the HTML documentation have been tested for compliance with U.S. government Section 508 Accessibility requirements. Documents that comply with Section 508 generally also meet non-U.S. accessibility guidelines, such as the World Wide Web Consortium (W3C) guidelines for Web sites.

Note You might need to configure your accessibility tool for optimal use. Some screen readers pronounce text based on its case; for example, they pronounce ALL UPPERCASE TEXT as initials, and MixedCase Text as words. You might find it helpful to configure your tool to announce syntax conventions. Consult the documentation for your tool.

For information about how Sybase supports accessibility, see Sybase Accessibility at http://www.sybase.com/accessibility. The Sybase Accessibility site includes links to information on Section 508 and W3C standards.

For more information about accessibility features of PowerBuilder, see the chapter on building accessible applications in *Application Techniques*.

For a Section 508 compliance statement for PowerBuilder, go to the Voluntary Product Assessment Templates page at http://www.sybase.com/detail_list?id=52484.