

Release Bulletin InfoMaker® 10.2.1

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Topic	Page
1. Accessing current release bulletin information	2
2. Product summary	2
3. Special installation instructions	2
3.1 Before you install	2
3.2 Installing InfoMaker	3
4. Changed functionality in this version	3
4.1 Adaptive Server Enterprise 15.0 support	4
4.2 Support for Adaptive Server temporary tables	4
4.3 NCharBind database parameter for Oracle	5
5. Known problems	5
5.1 Database connectivity issues	5
5.2 Report painter issues	7
5.3 Other issues	8
6. Product compatibilities	9
6.1 Adaptive Server Anywhere	9
7. Documentation updates and clarifications	9
7.1 Additions to documentation	9
8. Migration information	10
9. Technical support	10
10. Other sources of information	11
10.1 Sybase certifications on the Web	11
10.2 Sybase EBFs and software maintenance	12

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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 release of the product CD, use the Sybase® Technical Library Product Manuals Web site.

❖ Accessing release bulletins at the Technical Library Product Manuals Web site

- 1 Go to Product Manuals at <http://www.sybase.com/support/manuals/>.
- 2 Follow the links to the appropriate Sybase product.
- 3 Select the Release Bulletins link.
- 4 Select the Sybase product version from the Release Bulletins list.
- 5 From the list of individual documents, select the link to the release bulletin for your platform. You can either download the PDF version or browse the document online.

2. Product summary

This product is Sybase InfoMaker® version 10.2.1, 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

3. Special installation instructions

This section describes special installation instructions for InfoMaker.

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 file in this release extracts 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 tab page or Advanced tab page, and specify a location that has sufficient space.

3.2 Installing InfoMaker

You can download InfoMaker 10.2.1 from the InfoMaker page of the Sybase EBFs/Maintenance site at <http://downloads.sybase.com>. Download the files you require and extract the contents of the zip file following the instructions in the download notes that accompany the release.

To install InfoMaker version 10.2.1, you must have already installed InfoMaker version 10.0 on your computer.

❖ To update InfoMaker:

- 1 Create a backup by copying the contents of your *Sybase\Shared\PowerBuilder* directory to another directory.
- 2 If you use the Internet plug-ins, back up the directory where they are installed.
- 3 Run the *setup.exe* file in the *InfoMaker* directory extracted from the *InfoMaker.zip* file.

4. Changed functionality in this version

This section summarizes changed functionality in InfoMaker 10.2.1. For a description of changes in the earlier version of InfoMaker 10.x, see the InfoMaker release bulletin at <http://sybooks.sybase.com/im.html#RB> or the New Features section of the Help file. To view this Help, select Help>Welcome to InfoMaker 10.0 from the InfoMaker menu.

4.1 Adaptive Server Enterprise 15.0 support

You can use the SYC native interface for Adaptive Server® Enterprise (*pbsyc100.dll*) with Adaptive Server version 15.0. It has been enhanced to support the UniText and 64-bit integer SQL datatypes.

The UniText datatype uses UTF-16 encoding to support Unicode text, and maps to the PowerScript string datatype. The 64-bit signed and unsigned BigInt datatypes map to the PowerScript longlong datatype.

To use Adaptive Server 15.0, install Open Client version 15.0 on the client computer and set the Release parameter to 15 to establish an Open Client 15 client context. You can specify the Release parameter on the Connection page of the Database Profile Setup dialog box for Adaptive Server or in code:

```
SQLCA.DBParm="Release='15' "
```

You can use the Open Client 15.0 client context with Adaptive Server 11.x, 12.x, and 15.0.

In InfoMaker 10.2.1, the SYC driver dynamically links to the appropriate version of the client libraries, and the Open Client context is released when all connections are closed. If you open multiple connections, the first Open Client context established is used for all connections. To establish a new Open Client context in the development environment, close all open connections and establish a new connection with the Release parameter set to the context you require.

4.2 Support for Adaptive Server temporary tables

InfoMaker 10.2.1 allows you to create and edit temporary tables when you use the InfoMaker SYC native driver to connect to an Adaptive Server database. You can create temporary tables in the Database painter, SQL painter, or Report painter. Temporary tables persist for the duration of a database connection, residing in a special database called “tempdb”.

Add a temporary table to the tempdb database by assigning a name that starts with the # character when you create a new table in an InfoMaker painter. Temporary tables must start with the # character.

After you create a temporary table, you can create indexes and a primary key for the table. If you define a unique index or primary key, you can execute INSERT, UPDATE, and DELETE statements for a temporary table. Select Edit Data from the pop-up menu of a temporary table to retrieve data that you store in that table.

Standard catalog query limitations

When you click Refresh from the pop-up menu for the Tables node in the Database painter or the Objects view of the Report painter, the list of tables displays temporary tables even though they exist only in the tempdb database. However, once you refresh table definitions from the database, the Objects views can no longer list the index or primary key information of the temporary tables and the Layout view can no longer display that information graphically.

4.3 NCharBind database parameter for Oracle

The NCharBind database parameter for Oracle9i and Oracle 10g improves performance by allowing you to specify whether string variables should be treated as Char or NChar datatypes. The default is to treat string variables as Char datatypes. You can set this parameter on the Transaction tab page in the Database Profile Setup dialog box for Oracle9i and Oracle 10g. For more information, see NCharBind in the online Help.

5. Known problems

This section describes known problems in InfoMaker version 10.2.1.

5.1 Database connectivity issues

This section describes known database connectivity problems.

5.1.1 Window is a reserved word in ASA

In Adaptive Server Anywhere (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 NON_KEYWORDS ASA database option:

```
SET OPTION NON_KEYWORDS = 'WINDOW'
```
- Enclose the column name in quotation marks in SQL statements.

[CR 334166]

5.1.2 Pipeline execution with JDBC driver fails

Executing a pipeline with the destination Adaptive Server Enterprise 12.5 when using the JDBC driver fails with the database error 2762. [CR 338371]

5.1.3 Table updates not handled by OLE DB provider for Adaptive Server

The PB DataDirect OLE DB data provider for Adaptive Server Enterprise does not correctly handle table updates in the Database painter. [CR 338363, CR 338366]

5.1.4 Issues with traditional Chinese data and Adaptive Server ODBC drivers

You cannot correctly manipulate the Traditional Chinese data in the Database painter using the big5 character set with the Sybase ASE ODBC driver or the DataDirect 4.2 ASE ODBC driver. [CR 342722]

5.1.5 DataDirect ODBC XML driver issue

You cannot use a SQL statement to update date, time, timeStamp, and boolean datatypes in the ISQL view in the Database painter with a connection that uses the PB DataDirect ODBC driver for XML. [CR 352252]

5.1.6 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]

5.1.7 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, the column is moved to the end of the table and all its data is lost. To prevent this from occurring, InfoMaker does not allow you to alter the column name and column size of a table. You can alter the table outside the painter using ISQL scripts. [CR 348581]

5.1.8 PB DataDirect Oracle driver issues

If you create a table in the Database painter using the PB DataDirect 4.2 Oracle driver and give it a name that has all lowercase characters, the table columns cannot be seen in the Layout view. They display correctly after you select Tables>Refresh. [CR 348038]

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

5.1.9 OraOleDB faster than Oracle8ADOPProvider

When you use an OLE DB connection to an Oracle9i database, the Table list or View list displays much more quickly in the Database painter if you use OraOleDB instead of the Oracle8ADOPProvider. [CR 341835]

5.1.10 Connection issues with CnnPool

In the Database painter, attempting to connect to an Oracle9i or Oracle 10g database from an Oracle9i or Oracle 10g client fails after a connect and disconnect if the CnnPool database parameter is set to 'Yes'. [CR 355639]

5.2 Report painter issues

This section describes known Report painter issues.

5.2.1 Save As PDF fails on Windows 2003 Server

Saving as PDF using the Distill method fails at runtime on Windows 2003 Server. This 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]

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

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

5.2.3 Limitations in default PostScript drivers

The PostScript drivers installed with PowerBuilder do not support searching the generated PDF file. Also 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 Installation Guide at <http://sybooks.sybase.com/pb.html#Install> for information about installing and using an alternative driver. [CR 324579, CR 332365]

5.2.4 Printing a large composite report with graphical objects fails

When you attempt to print a large composite report with multiple graphical objects, some pages or objects in the report, or both, fail to print. [CR 405698]

5.3 Other issues

This section describes other known issues.

5.3.1 Truncated string in saved EMF file

Sometimes, a string in a text control in a report is longer than can be displayed in the control in the Design view in the Report painter. If this occurs, an enhanced metafile (EMF) file saved in the painter or at runtime displays with the string truncated. [CR 342797]

5.3.2 Web ActiveX download fails on Window XP

The DataWindow Web Control for ActiveX fails to download its CAB file to a client browser running on Windows XP if the Microsoft Active Template Library (ATL) module, *atl71.dll*, is not present in the *Windows\System32* directory. The CAB file downloads successfully if the ATL DLL is present.

6. Product compatibilities

This section contains information about products that are compatible with InfoMaker version 10.2.1.

6.1 Adaptive Server Anywhere

InfoMaker 10.2.1 has been tested with Adaptive Server Anywhere (ASA) 9.0.2 (Build 3044) and ASA 9.0.2 Runtime Edition (Build 3044) .

7. Documentation updates and clarifications

There are no changes in the documentation on the Sybase Technical Library Product Manuals Web site for this version. Revisions have been made to the online Help installed with this maintenance release to address changes in functionality described in “Changed functionality in this version” on page 3.

7.1 Additions to documentation

This section provides information not present in the online Help or books.

7.1.1 Microsoft files required for deployment

Table 1 on page 9 lists Microsoft files required for deployment.

Table 1: Microsoft runtime files

File name	When required
<i>msvcr71.dll</i> , <i>msvcpx71.dll</i>	With all applications. The <i>pbshr100.dll</i> required file has dependencies on these Microsoft Visual C++ runtime libraries.
<i>atl71.dll</i>	With all applications. The <i>pbdwe100.dll</i> file has dependencies on this file, which is the Microsoft .NET Active Template Library module.
<i>gdiplus.dll</i>	If you deploy your application to the Windows 2000 platform. This file is installed as part of the operating system for Windows XP and Windows Server 2003 and is part of the Microsoft GDI+ subsystem that implements enhanced graphics capabilities.

You can download the Microsoft GDI+ module from the Microsoft Downloads Web site. You can deploy the *msvcr71.dll*, *msvcpx71.dll*, and *atl71.dll* from your *Shared\PowerBuilder* directory to target systems.

For information about restrictions on redistributing Microsoft DLLs, see the third party terms for InfoMaker at http://www.sybase.com/softwarelicenses/third_party_legal/termsbyproduct.

7.1.2 pbacc100.dll required for deployment

The file *pbacc100.dll* should be listed in Table 21-2 in the *User's Guide*. This file must be deployed with your application if the application uses the support for Section 508 accessibility added in InfoMaker 10.

7.1.3 Enabling Unicode conversion in Adaptive Server databases

InfoMaker 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. The database administrator must run the following command on the server:

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

For more information about enabling Unicode conversion in Adaptive Server, see the Adaptive Server documentation on the Sybase Product Manuals Web site at <http://sybooks.sybase.com/as.html>.

8. Migration information

You can migrate an InfoMaker application from any version of InfoMaker directly to any later version. Before you migrate to a later version, read the following Technical Document to learn about changes in InfoMaker that might affect your application: Migrating PowerBuilder Applications at <http://www.sybase.com/detail/1,6904,1032777,00.html>. Topics with IM in parentheses after their titles apply to InfoMaker.

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 Sybase Technical Library CD and the Technical Library 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 Technical Library CD. It was included with your InfoMaker 10.0 software. To read or print documents on the Getting Started CD you need Adobe Acrobat Reader (downloadable at no charge from the Adobe Web site, using a link provided on the CD).
- The Technical Library CD contains product manuals and was included with your InfoMaker 10.0 software. The DynaText reader (included on the Technical Library CD) allows you to access technical information about your product in an easy-to-use format.

Refer to the *Technical Library Installation Guide* in your documentation package for instructions on installing and starting the Technical Library.

- The Technical Library Product Manuals Web site is an HTML version of the Technical Library CD that you can access using a standard Web browser. In addition to product manuals, you will find links to EBFs/Updates, Technical Documents, Case Management, Solved Cases, newsgroups, and the Sybase Developer Network.

To access the Technical Library 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 Select Products from the navigation bar on the left.
- 3 Select a product name from the product list and click Go.
- 4 Select the Certification Report filter, specify a time frame, and click Go.
- 5 Click a Certification Report title to display the report.

❖ **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.