

Release Bulletin for InfoMaker 2017 R2

InfoMaker® 2017 R2
FOR WINDOWS

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1 Release Bulletin

This release bulletin provides late-breaking information about Appeon InfoMaker® 2017 R2. Appeon InfoMaker version 2017 R2 supports these operating systems (same as version 2017 does):

- Windows 7 32- or 64-bit with SP1
- Windows 8.1 32- or 64-bit
- Windows 10 32- or 64-bit
- Windows Server 2008 32- or 64-bit with SP2 (supported for runtime)
- Windows Server 2012 R2 (supported for runtime)
- Windows Server 2016 (supported for runtime)

2 Known Issues

Learn about known issues and workarounds.

Note

If you have an Appeon® support contract, use the Appeon Support Website to search for knowledge-based articles and solved cases. Go to the Appeon Support Website at <https://support.appeon.com>, log in, and select Knowledge Base to start the search.

2.1 Known issues with rich-text editor

1. The new built-in rich-text editor has the following issues or unsupported features:

- On Windows 10, the column with the rich-text edit style will perform slowly (approximately 6 times slower than before), especially in the Grid or Tabular DataWindow. It is recommended that you use the Freeform DataWindows to avoid this performance issue.
- On Windows 7 or 10, in the RichText DataWindow, when the title bar is true and the title is empty, the screen will flash if you scroll the mouse to refresh the DataWindow. To avoid this issue, set the title bar to false, or set the title text when the title bar is true.
- When copying text into the RichTextEdit control, the font used may not be the default font for the RichTextEdit control. PowerBuilder 12.6 has the same issue.
- At the preview mode, the RichTextEdit control may fail to recognize the fields.
- If the InsertDocument function specifies the directory without the file name, the PowerBuilder application will crash at runtime.
- It is unsupported to merge the data of two RichTextEdit controls into the third RichTextEdit control. For example, the following code is unsupported:

```
ls_1 = rte_1.CopyRTF ( false )  
ls_2 = rte_2.CopyRTF ( false )  
ls_3 = ls_1 + ls_2  
ris = rte_3.PasteRTF (ls_3)
```

- RichTextEdit control has problems in handling the space width of some fixed width fonts such as Courier and Courier New, which causes text not aligned.
- It may be slow to open a window that contains RichText DataWindows on Windows Server 2008 R2.
- In DataWindow preview, content of RichTextEdit controls do not scale like other controls do.
- In printout of DataWindows, RichTextEdit controls show additional unwanted padding on the top depending on the location on the page.

- CopyRTF function returns an empty string in PowerBuilder 12.6, while returns the richtext format settings in PowerBuilder 2017.
 - SaveDocument will fail if the specified directory contains non-English characters.
 - In printout of RichTextEdit controls, lines or texts may be truncated on the right of the page.
 - SetFont function or setting font via APIs is unsupported.
 - When right-clicking a RichText edit style column in a DataWindow, RButtonUp event is not triggered.
 - When a column loses focus, the list symbols (mainly the customized image) that are aligned to left cannot show completely when under the preview or printout mode.
 - SelectText function supports 98303 as the maximum length. If the length is over 98303, SelectText failed to select any text.
2. The 2400 SP1, 2400 SP2, and 2400 SP3 of TX Text Control ActiveX X14 do not work with the rich-text edit style columns; it only works with the RichTextEdit control and the RichText DataWindow object. To work with all of them, you should use TX Text Control ActiveX X14 2400.

2.2 Known issues with SaveAs PDF (using PDFLib)

The SaveAs PDF method (NativePDF! using PDFLib) has a few issues when handling data or images:

- Some data in the nested reports (most of the case, in the last nested report) may not print (appear as blank) in the PDF file. If this issue occurs, you can try to avoid it by adjusting the height of the problematic nested report.
- When the image of the Picture control is saved to the PDF file using PDFLib, the image will lose some quality.

2.3 Known issues with SQL Anywhere

There is a known issue with the SQL Anywhere 17 trial version (17.0.4.2053) which is downloaded from the SAP web site. This known issue will affect calling the stored procedure. You can consider using SQL Anywhere 12, 16, or 17.0.4.2088 or later, to avoid this issue.

2.4 Known issues with licenses

For InfoMaker which is activated using an online license, if it is not connecting with the Appeon license server for over 5 days (due to reasons such as the machine has been disconnected from Internet for over 5 days), the local license will be locked when InfoMaker is launched next time without internet connection. After the local license is locked, if the same account is used to log in to InfoMaker, the message "You are already logged in"

appears. If this happens, please ask your license administrator to go to the Appeon web site and log out the problematic account there; and then you will be able to log in and activate the license again using the same account.

2.5 Known issues with anti-virus tools

The anti-virus tools that have been certified to work with PowerBuilder and PowerServer are AVG, Avira, McAfee, Avast, and Kaspersky. Other anti-virus tools that are not listed here may block the installation program or runtime files of PowerBuilder or PowerServer. If this happens, please contact the Appeon Support team for help.

2.6 Known issues with opening objects

The object (such as Menu, User Object) opens slowly in the InfoMaker 2017 R2 IDE, especially for large complex applications.

Performing a full build of the application can greatly improve the opening speed of the object.

2.7 Known issues with OData

This issue also exists in InfoMaker 12.6 and 2017.

When connecting a transaction object to an OData service, the application crashes. This only occurs when deploying the application to a computer where the InfoMaker IDE is not installed. It works on the computer with InfoMaker installed. This issue is caused by the limitation of PowerBuilder runtime packager, where the command "regasm" cannot be run automatically. Please use the following workaround.

1. Select the OData checkbox under 'Database Interfaces', so that Sybase.PowerBuilder.ODataWrapper.dll will be deployed with the PowerBuilder runtime packager.
2. Register the assembly as a COM component.

In 32-bit OS, run this command using an administrator account: regasm Sybase.PowerBuilder.ODataWrapper.dll /tlb:Sybase.PowerBuilder.ODataWrapper.tlb /codebase.

In 64-bit OS, run the same command but with the corresponding 64-bit regasm.exe file which is by default located in C:\Windows\Microsoft.NET\Framework64\v4.0.30319.

2.8 Known issues with InfoMaker runtime packager

InfoMaker runtime packager is not installed with InfoMaker. You can use the PowerBuilder runtime packager instead if you have PowerBuilder installed, or contact the Appeon Support Center to get the installation program of InfoMaker runtime packager.

3 Bug Fixes

The following bugs are fixed in InfoMaker 2017 R2 **Build 1769** and later.

- (Bug ID: 698, 741, 751, 752, 799) When you make a change to the SQL of a DataWindow that contains computed columns (even if the change is only to add a few spaces), you will get unexpected results: (1) The DB Name of the computed column will be changed to compute_####; (2) All the properties of the computed column (font, color, position, visibilities) will be reset.

The following bugs are fixed in InfoMaker 2017 R2 **Build 1758** and later.

- (Bug ID: 455) When saving a report as PDF using the NativePDF! method, the fields and text titles in some fonts are reversed.
- (Bug ID: 416) When saving a report containing an "autosize height" column with NativePDF! method, the text overlaps the column.
- (Bug ID: 365) When saving a report that uses 0 as font size using the NativePDF! method, the PDF cannot be opened though it can be created.
- (Bug ID: 249 & 250) The CustomSize property of the NativePDF! method does not handle all of the paper sizes (such as A4) accurately.
- (Bug ID: N/A) If the report contains many images, the PDF file generated using NativePDF! method will be very large. Compared to PDF generated using a third-party tool, it could be 10 times larger in file size.
- (Bug ID: 252) Text that uses a dynamically loaded font will be missing when saved as PDF using the NativePDF! method.
- (Bug ID: N/A) The quality of bitmap with sign is very low in the PDF file generated using the NativePDF! method.
- (Bug ID: 177) When inserting text into the RichTextEdit control, the text is not using the default font.

4 Integrate with SAP InfoMaker 12.6 Bug Fixes

According to the announcement ([view here](#)), Appeon and SAP will offer different product lines of InfoMaker.

The Appeon's product line will integrate with the bugs fixed in the SAP's product line. In the case of the GA version of Appeon InfoMaker 2017 R2, the bug fixes in SAP InfoMaker 12.6 EBF 4166 (which is released in 2017 Q3) have been integrated.

5 PowerServer (PB Edition) VS. Other PowerServer Editions

PowerSever (PB Edition) indicates the PowerServer provided in the Appeon PowerBuilder 2017 R2 Universal Edition, it supports mobile deployments on the .NET IIS application server only. Other PowerServer editions indicate the PowerServer (Developer/Workgroup/Enterprise Edition) provided by Appeon which supports both Web and mobile deployments on both the .NET and J2EE application servers. Notice the different components contained in these editions.

Table 5.1: Components contained in different editions

Component	PB Edition	Developer Edition	Workgroup Edition	Enterprise Edition
PowerServer Toolkit	Available	Not available	Not available	Not available
PowerServer (Web/Mobile)	Available (Mobile only)	Available	Available	Available
PowerServer Web Component	Available	Available	Available	Available
PowerServer Help	Available	Available	Available	Available

PowerServer Toolkit is only available in the PowerServer (PB Edition) only. It supports both the Web app deployment and the mobile app deployment, to both the 2017 R2, 2017, and 2016 PowerServer (formerly called Appeon Server).

The **PowerServer** component from **PB Edition** and the **PowerServer** component from **Developer/Workgroup/Enterprise Edition** must be installed on different servers. If you install them on the same server, unpredictable issues may occur, and you should uninstall both, and then install them separately on different servers.

Also notice the different features supported in these editions.

Table 5.2: Features supported in different editions

Feature	PB Edition	Developer Edition	Workgroup Edition	Enterprise Edition
Mobile app deployment	Supported	Supported	Supported	Supported
Web app deployment	Not supported	Supported	Supported	Supported
Deployment to .NET application server	Supported	Supported	Supported	Supported
Deployment to J2EE application server	Not supported	Supported	Supported	Supported

Feature	PB Edition	Developer Edition	Workgroup Edition	Enterprise Edition
Clustering and load balancing	Supported	Not supported	Not supported	Supported
Offline mobile capability	Not supported	Supported	Supported	Supported

6 Product Compatibilities

InfoMaker has been tested for compatibility with a number of software products.

Table 6.1: Software Products Tested with InfoMaker

Software Type or Product	Compatibility Description
PowerBuilder	InfoMaker 2017 R2 has been tested with PowerBuilder 2017 R2.
SQL Anywhere	InfoMaker 2017 R2 has been tested with SQL Anywhere 12.0 thru 17.0.
Microsoft .NET Framework	The SaveAs Excel 12 functionality of InfoMaker 2017 R2 requires Microsoft .NET Framework 4.0 or later.
Oracle JDK	InfoMaker 2017 R2 is compatible with Oracle JDK 1.6.

7 Third-Party Components and Deployment

InfoMaker applications have some dependencies on third-party components that are installed with InfoMaker.

You may redistribute some of these components with your application, but others must be obtained from the vendor.

7.1 Apache Files

You may redistribute the Apache files that are included with InfoMaker to your users.

Any use or distribution of the Apache code included with InfoMaker 2017 R2 must comply with the terms of the Apache License, which is located in the free download terms document for InfoMaker.

Version 0.20.5 of the Apache Formatting Objects Processor (FOP) is required if your application uses XSL-FO to save files as PDF. See the Apache FOP Web site at <https://xmlgraphics.apache.org/fop/>.

The Apache Xerces files *xerces-c_2_8.dll* and *xerces-depdom_2_8.dll* are required for XML Web DataWindow support, XML support for DataWindows and DataStores, PBDOM, and SOAP clients for Web services. See the Xerces C++ Parser Web site at <http://xerces.apache.org/xerces-c/>.

7.2 Microsoft Files

Special Microsoft files are required on runtime computers for various InfoMaker features.

7.2.1 Visual C++ Runtime and the Active Template Library

When you deploy the core InfoMaker runtime files, make sure the *msvcr80.dll* (for 32-bit only), *msvcp80.dll* (for 32-bit only), *msvcr100.dll* and *msvcp100.dll* Microsoft Visual C++ runtime libraries and the Microsoft .NET Active Template Library (ATL) module, *atl80.dll* (for 32-bit only) and *atl100.dll*, are present on the user's computer or server.

The InfoMaker runtime files have a runtime dependency on these files and they are required for all applications and components that require the InfoMaker runtime. You can obtain these DLL files from the \Program Files\Appeon\Shared\PowerBuilder folder, or from DLL archive Web sites at <http://dlldump.com> or <http://driverskit.com/>.

7.2.2 Ink Picture Libraries

Microsoft.Ink, *Microsoft.Ink.dll*, and *Microsoft.Resources.dll* are required if your application uses InkEdit and InkPicture controls. These files are part of the Microsoft .NET Framework 3.5 and later, and are available at C:\Windows\winsxs and its sub-folders after .NET framework is installed.

7.2.3 DirectX Runtime

InfoMaker applications can use DirectX 3D rendering to display 3D graphs (Pie3D, Bar3D, Column3D, Line3D, and Area3D) with a more sophisticated look. You can use data item or series transparency with the DirectX graph styles to improve the presentation of data.

The DirectX 3D rendering depends on the DirectX runtime. The first time you select the Render3D check box on the General tab of the Properties view for a 3D graph, InfoMaker launches the DirectX installer. If you opt out of the installation, the Render3D property is ignored. End users of InfoMaker applications must also have the DirectX runtime installed on their computers to view the DirectX graph styles. You can download the DirectX runtime from the Microsoft Web site at <http://www.microsoft.com/downloads/details.aspx?FamilyID=2da43d38-db71-4c1b-bc6a-9b6652cd92a3&DisplayLang=en>.

For computers with older graphics drivers, you can check whether DirectX is supported by running *dxdiag.exe*. This file is typically installed in the Windows\System32 directory. The Display tab of the DirectX Diagnostic Tool that opens when you run *dxdiag.exe* indicates whether Direct3D is enabled.

7.3 Oracle files

The Java Runtime Environment (JRE) is required for EJB clients, JDBC connections, and saving as PDF using XSL-FO. For a copy of third-party terms and conditions for the JRE, see the free download terms document. The JRE can be downloaded from the Oracle Technology Network at <http://www.oracle.com/technetwork/java/javase/downloads/index.html>.

7.4 List of Free Download Components (Including Open Source Components)

For the complete list of the free download components (including open-source components), view the [Free Download Terms document](#) on the Appeon Web site.

8 Migration Information

You can migrate an InfoMaker application from any version of InfoMaker directly to InfoMaker 2017 R2.

Before you migrate, read the "Migrating PowerBuilder Applications" technical document at https://www.appeon.com/support/documents/appeon_online_help/pb2017r2/migrating_pb_apps to learn about changes in InfoMaker that might affect your application. Topics with IM in parentheses after their titles apply to InfoMaker.

9 Obtaining Help and Additional Information

Use the Product Documentation site and online help to learn more about this product release.

- Product Documentation at <https://www.appeon.com/developers/library/product-manuals-for-pb> – PDF documentation that you can download. The Web site also has links to other resources, such as white papers, community forums, maintenance releases, and support content.
- Online help in the product, if available.

To read or print PDF documents, you need Adobe Acrobat Reader, which is available as a free download from the [Adobe](#) Web site.

Note

A more recent release bulletin, with critical product or document information added after the product release, may be available from the Product Documentation Web site.

9.1 Technical Support

All customers are entitled to standard technical support for reproducible software defects. You can open a standard support ticket at the Appeon support site: <https://www.appeon.com/standardsupport/> (login required).

If your organization has purchased a premium support contract for this product, then the designated authorized support contact(s) may seek assistance with your technical issue or question at the Appeon support site: <https://support.appeon.com> (login required).

10 Important Disclaimers on Legal Aspects

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