

ELEVATE 2017

Migrating to PowerBuilder 2017

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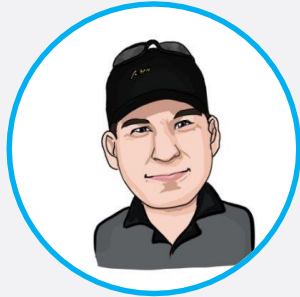
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Agenda

- About the Presenter
- Migration Process
- Resources
- Discontinued Features
- Revised Features
 - PDF Generation
 - Rich Text Editing
- Questions

Author Profile



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About

- Development lead with Integrated Data Services since 2004
- Independent consultant for 15 years doing PowerBuilder development for companies such as Rockwell, Hughes, Boeing, Western Asset Management, Investment Technology Group and Johnson & Johnson.
- Using PowerBuilder since version 1.0.B
- Charter member of TeamSybase (formerly TeamPS), PowerBuilder MVP, SAP Mentor
- Contributing author to SYS-CON's PowerBuilder 4.0 Secrets of the Masters.
- Editor of SAMS' PowerBuilder 9: Advanced Client/Server Development
- Contributed numerous articles to the PowerBuilder Developer's Journal (PBDJ) and the ISUG Tech Journal
- Editor-in-chief of PBDJ from 2004 to 2013
- Served as a technical editor for the ISUG Tech Journal
- Has done sessions on PowerBuilder at most TechWaves since 2004 and at other user group meetings, including meetings in Columbia, Germany, Belgium, Switzerland, England, Italy and France.

Company Profile



Integrated Data Services



<http://www.get-integrated.com>



<https://www.linkedin.com/company-beta/5239896/>

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About

Integrated Data Services (IDS) is a leading provider of custom software products and Government financial management services.

IDS was founded in 1997 in El Segundo, California, and since that time has seen tremendous growth and success.

Currently IDS has offices supporting customers nationwide.

By providing customers with fast, efficient and reliable information systems and support services, IDS has become a preferred provider of financial and programmatic systems, services, and solutions across a wide variety of government

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IDS Locations



Corporate Headquarters - El Segundo, CA	East Coast Satellite Office - Alexandria, VA
Aberdeen, MD	Montgomery, AL
Albuquerque, NM	Odenton, MD
Boston, MA	Omaha, NE
Colorado Springs, CO	Oklahoma City, OK
Dayton, OH	San Antonio, TX
Fort Walton Beach, FL	Sumter, SC
Huntsville, AL	Tullahoma, TN
Lancaster, CA	Warner-Robbins, GA
Layton, UT	Washington DC
Los Angeles, CA	

Migration Process

- Verify the software system requirements (OS, DB, etc.)
- Backup, backup again, and then backup the backups
- Migrate PBLs into PowerBuilder 2017
- Address all discontinued and revised deprecated features
- Perform full rebuild/optimize PBLs to avoid corruption
- Test, test and test again
- Deploy to production

Resources

- Migration assistant tool
- Appeon Migration guide - <https://goo.gl/H6p4TE>
- Techno-kitten Migration article - <https://goo.gl/Uu8892>

Discontinued features

- PowerBuilder 8
 - Distributed PowerBuilder (DPB)
- PowerBuilder 11.5
 - OLE Automation Server
 - JSP Projects
 - DataWindow (Active-X) Plug-in
 - PowerBuilder Window (Active-X) Plug-in

Discontinued features

- PowerBuilder 12
 - COM/COM+ Components
- PowerBuilder 12.5.2
 - WebForms projects

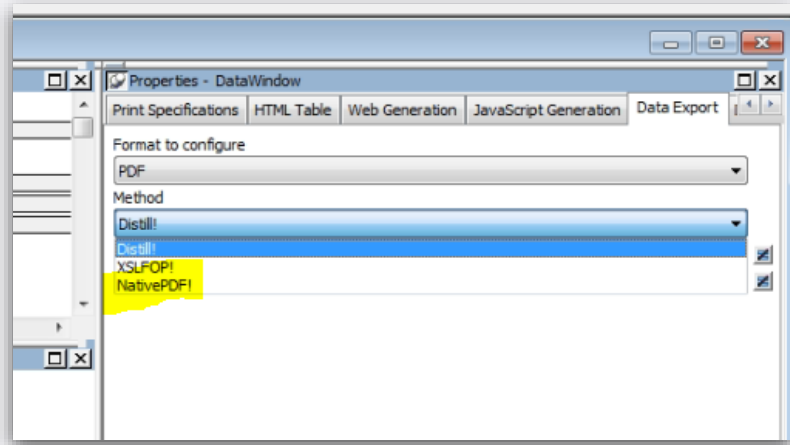
Discontinued features

- PowerBuilder 2017
 - WinForms projects
 - WPF projects (.Net IDE)
 - WCF projects (.Net IDE)
 - Visual .Net assembly projects (.Net IDE)
 - EA Server projects

Revised Features

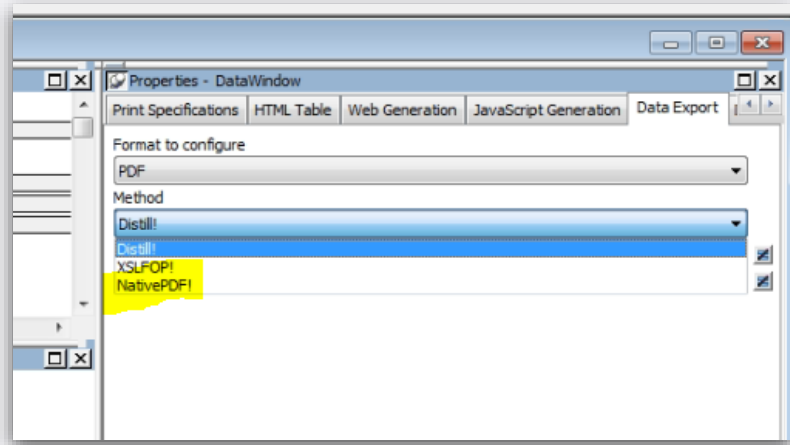
- PDF Generation
- Rich Text Editing

PDF Generation revisions



- Third option for generating PDF from DataWindows: NativePDF!
- Distill! remains the default option
- Only required deployment of one additional PowerBuilder runtime file: pbpdf170.dll

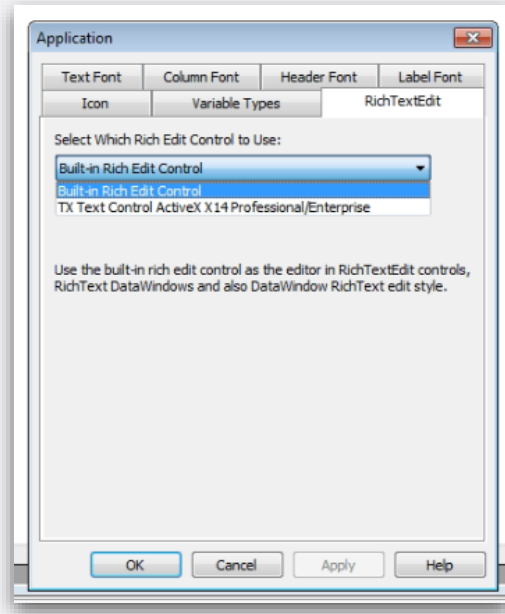
PDF Generation revisions



- Default PDF generation remains Distill!
- You can globally change the default by adding the following to the PB.INI file

```
[DataWindow]
NativePDF_Valid=1
```
- This works for PB IDE and for deployed application.

Rich Text Editing Revisions



- OEM of TX Text Control (introduced in 10.5) replaced with OEM of TE Edit Control
- There is an option on the application object to switch back to TX Text Control
 - You must obtain your own license of the project to fully enable the option
 - The trial version of TX Text Control cannot be used

Rich Text Editing Revisions

New RichTextEdit control

In PowerBuilder 2017, a new RichTextEdit control is added for free use by the PowerBuilder developer and the InfoMaker developer. This new control is applicable to the RichTextEdit control, RichText.DataWindow Object, and the RichText edit style column.

For the PowerBuilder developer, they have the option to use the new control for free, or to continue using the old control (the old control will need to be replaced; they cannot use the old control any more).

The new control has the same functions/events/properties as the old control, except for the following differences and issues (due to the different way the data is handled).

Affected area	Type	Description
Double-byte languages	Unsupported	Double-byte languages such as Korean, Japanese are not supported well in the new control.
InputFieldBackColor property	Limitation	For the new control, this property will not take effect until you save the data into a PDF file or print the data, which means, when you preview the UI in the design view or when you run the UI, you will always see the background color is gray, only when you save the data to a PDF file or print the data, you will see the background color is changed to what you set.
Wordwrap property	Limitation	For the new control, this property is always true (it cannot be set to false).
BackColor property	Difference	For the new control, if you set a negative value for the BackColor property, the returned value will be 0 and the color will be black. For the old control, if you set a negative value for the BackColor property, the returned value will be 16777215 and the color will be white.
BottomMargin/RightMargin/LeftMargin/TopMargin properties	Difference	For the new control, if you set a negative value, the returned value will be 0. For the old control, if you set a

- The What's New section of the PowerBuilder Help gives an extensive treatment to the differences

| Questions?



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