



# POWERBUILDER 12.5 A LOOK AHEAD

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# POWERBUILDER 12.5 NEW FEATURES

## What's new or enhanced in PowerBuilder 12.5

- InfoMaker .NET
- WPF DataWindow Enhancements
- Targets
  - WCF Services
  - Support for Custom Visual User Objects (CVUO) in .NET Assemblies
  - PB .NET Assembly
  - WPF target enhancements
- REST Client



# POWERBUILDER 12.5 NEW FEATURES

## Miscellaneous Enhancements

- Batch Command processing
- Find & Replace
- Multithreading support
- Language Enhancements
- Script Editor semantic checking



# POWERBUILDER 12.5 NEW FEATURES

## Additional Enhancements

- Changes to PowerBuilder Win32
- .NET 4.0 Framework
- Support ASE 15.5 new datatypes BIGTIME and BIGDATETIME

# INFOMAKER .NET



# INFOMAKER .NET

InfoMaker has been rewritten to take advantage of the power of WPF  
The InfoMaker .NET IDE supports

- A report painter for read only DataWindows
- A forms painter for Updateable and Master/Detail Forms
- A query painter and SQL Dialog
- A Solution Explorer to browse objects
- Various wizards to support the creation of artifacts
- The database painter
- A Query Governor
- Various other minor systems and dialogs that support the IDE
- Global functions list in expressions dialog

# INFOMAKER .NET

## DEMONSTRATION

# WPF DATAWINDOW ENHANCEMENTS





# WPF DATAWINDOW ENHANCEMENTS

The following DataWindow enhancements have been made for PowerBuilder .NET

- AutoWidth Column for grid style DataWindow
- Optimized SRD syntax
- Data Buffers in the debugger
- Tab Order and Enabled support
- Child DataWindow control support
- New Candlestick Graph DataWindow style
- Global Functions list

# WPF DATAWINDOW ENHANCEMENTS

## DEMONSTRATION

# TARGETS



# TARGETS

**PowerBuilder 12.5 .NET contains the following new or enhanced targets**

- WCF Services
- Support for Custom Visual User Objects (CVUO) in .NET Assemblies
- PB .NET Assembly

# TARGETS

## DEMONSTRATION

# REST CLIENT



# REST CLIENT

- PowerBuilder .NET targets can consume RESTful (Representational State Transfer) Web Services
- The process is similar to consuming SOAP based Web Services:
  - Create a PowerBuilder Proxy NVO
  - Use a wizard to Parse Schema(s) of Complex Message(s) and generate assemblies
  - Instantiate the proxy NVO and call the service

# REST CLIENT

## DEMONSTRATION



# MISCELLANEOUS ENHANCEMENTS



# MISCELLANEOUS ENHANCEMENTS

- Batch Command Processing
- Find & Replace
- Multithreading support
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# MISCELLANEOUS ENHANCEMENTS

## DEMONSTRATION

# POWERBUILDER WIN32 ENHANCEMENTS



# POWERBUILDER WIN32 ENHANCEMENTS

PowerBuilder Classic (Win32 targets) have a number of enhancements

- AutoWidth Column for grid style DataWindow
- New Properties for DataWindow controls
- Transparent Property for Window Controls
- Transparency property for all Standalone Controls
- Sharing Datasources with .NET
- RTF and Images in the DataWindow
- User-Drawn Controls in the DataWindow

# POWERBUILDER WIN32 ENHANCEMENTS

## DEMONSTRATION

# .NET 4.0 FRAMEWORK



# .NET 4.0 FRAMEWORK SUPPORT

- PowerBuilder 12.5 was built using the Microsoft .NET 4.0 Framework
- Advantages:
  - Improved security for .NET applications
  - Improved exception handling within the framework
  - WPF 4 enhancements for the WPF Controls





# .NET 4.0 FRAMEWORK SUPPORT

- Affected Targets:
  - .NET Web Forms, .NET Windows Forms (including partial trust mode)
  - NVO Assembly
  - Web Service
  - WPF Applications
  - WCF Client

# SUPPORT ASE 15.5 NEW DATATYPES BIGTIME AND BIGDATETIME



# SUPPORT ASE 15.5 NEW DATATYPES BIGTIME AND BIGDATETIME

## New Datatypes

- **BIGTIME:**
  - Includes the hour, minute, second, and fraction of a second.  
The fraction is stored to 6 decimal places
- **BIGDATETIME:**
  - Includes the year, month, day, hour, minute, second, and fraction of a second to 6 decimal places



# BETA PROGRAM INFORMATION

- The public Beta began on April 25, 2011
- Email Blast was sent out with registration information
- Check [www.sybase.com/powerbuilder](http://www.sybase.com/powerbuilder)
  - Beta Announcement and Registration Link
- Other sources of information:
  - Become a Fan of PowerBuilder on Facebook
  - Follow PowerBuilder on Twitter: @GoPowerBuilder
  - Check the PowerBuilder Blog:  
<http://blogs.sybase.com/powerbuilder/>



# BETA PROGRAM INFORMATION

## More information

- The public Beta will run through June 2011
- Beta Download divided into seven .zip files
- A PowerBuilder 12.5 Beta newsgroup is available at [forums.sybase.com](http://forums.sybase.com)
  - Private newsgroup
  - Login and password information provided after registering for the Beta
- GA is scheduled for Q3 2011

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