

# Sybase® PowerBuilder® IS .NET... and so much MORE!



## TECHNICAL DATASHEET

### NEW FEATURES

#### New WPF DataWindow Features

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

#### New Win32 DataWindow Features

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

#### New Target Types

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

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Sybase PowerBuilder 12.5 is the second full-fledged .NET release of the market's favorite application development tool, bringing true power and ease of use to .NET. In the box, you'll find two Integrated Development Environments (IDEs) that give you options. You can build and deploy applications in a traditional Client/Server architecture, deploy to WebForms, WindowForms, or Smart Client applications. Or, you can leverage the power of the new IDE, built on top of Visual Studio, to develop stellar Windows Presentation Foundation (WPF) applications. Or, you can use both. You can even migrate your Win32 applications to WPF, something that no other tool provides you. PowerBuilder supports Microsoft's Common Language Specification (CLS) and its .NET features enable you to deploy NVOs and CVUOs as assemblies for your Visual Studio teammates. In short, PowerBuilder IS .NET, but it's much, much more than just that.

### THE DATAWINDOW®

It really needs no other introduction than that. It's still the fastest and easiest component for data access around. You may have been required to supplement your PowerBuilder development with C# or Java over the past few years, and if you're like everyone else in that boat, you've missed the DataWindow. Badly.

We've added many enhancements to the beloved DataWindow in this release. There are new features for the Win32 DataWindow and there are new features for the completely re-written WPF DataWindow.

Let's start with what's new for .NET. We've added the ability to access the data in all the DataWindow buffers while in the debugger. Yes, we cheered for this one, too. We've also added auto-size width functionality to complement the auto-size height that we've always had, so now there is Auto-Width column support for the Grid style DataWindows. And, we've updated the graph functionality with a sophisticated new Candlestick presentation style, something used extensively in the financial and medical industries. We've also enhanced other DataWindow functionality as well to make your life even easier, so you can bring your applications to market even faster.

We've added AutoWidth Column for the grid style for the Win32 DataWindow too, as well as new properties for DataWindow Controls, support for RTF, images, and user-drawn controls. And, you can now share datasources with a .NET application. Many customers need to build applications that interact with a variety of datasources, and now you can share an ADO .NET connection between a Windows 32 app and a .NET application. Just because we are focusing on .NET doesn't mean we've forgotten that a large segment of our customer base is still committed to supporting and using many Win32 features, including the DataWindow.

### SHARING THE LOVE

And, speaking of the DataWindow, it's now possible to build Custom Visual User Objects that encapsulate the DataWindow, and share these with your .NET developer peers. Or, you can even build and sell your own components based on the DataWindow by leveraging this new functionality. The DataWindow is so powerful and it's always given PowerBuilder developers a leg up. Now you have an opportunity to share the productivity by providing the solution to complex business problems making you and the DataWindow the rock stars of your development teams.

## NEW FEATURES, CONTINUED

### REST Client support – PowerBuilder .NET targets can be clients that consume RESTful (Representational State Transfer) Web Services

#### Miscellaneous Enhancements

- Batch Command Processing
- Multithreading support
- Language Enhancements
- Script Editor semantic checking
- ASE 15.5 BigTime and BigDateTime datatype support

#### .NET 4.0 Framework support

- Improved security for .NET applications
- Improved exception handling for applications that leverage the .NET framework
- Improved WPF 4.0 enhancements – so all the new functionality that Microsoft has put into the .NET Framework 4.0 for WPF will be leveraged in the targets listed above

## SUPPORTED DEVELOPMENT ENVIRONMENTS

PowerBuilder 12.5 adds support for the Windows 7 platform, and has also been tested on Windows XP (SP3), Windows XP Tablet PC (SP3), Windows Server 2003 (SP2), and Windows Vista (SP2).

PowerBuilder 12.5 maintains support for deployment to Windows Server 2008.

## SIMPLIFYING APPLICATION DEVELOPMENT END-TO-END

There are a variety of other enhancements included in this release as well that address a variety of needs developers have. Batch command processing will enable customers to run a batch file to build their applications without any user intervention. Shared Objects will now be run with multithreaded support; previously, the PowerBuilder .NET runtime library did not provide a way to synchronize data, so the data was susceptible to corruption.

There are language enhancements for .NET that include the ability to consume .NET events in PowerBuilder, and enhancements to the .NET Assembly Target. Being able to consume .NET events in PowerScript® means that you can now associate single or multiple methods to a .NET event in PowerScript, and you can associate PowerBuilder events to .NET events as well.

The .NET Assembly target has been expanded to expose additional PowerBuilder language elements for use in .NET application development. With the enhanced Assembly target, you are able to restructure your applications and provide a development framework to your users. The PowerScript editor has been enhanced with improvements for better semantic checking and support for identifiers, expressions and assignment statements.

## POWERFUL TO THE CORE

PowerBuilder's core value proposition has always been simple and powerful: make development fast and easy. PowerBuilder 12.5 continues to deliver on this long standing tradition with more features and functionality to support all of your development needs. And, best of all, your coding is still done in PowerScript, there's no need to learn C#, so your time to market is faster than any other development team around. No need to re-invent the wheel, no need for writing long, or 'elegant' code. Get it done. Fast. With PowerBuilder 12.5.