

Sybase® PowerBuilder® 12: The Hottest Thing Yet to ROCK .NET



TECHNICAL DATASHEET

SO, WHAT'S NEW IN POWERBUILDER 12?

- Fully managed code at runtime
- New! WPF Application target type (.NET IDE)
- New! WPF Window and WCF Client Proxy project types (.NET IDE)
- New! .NET Assembly target type (Both Classic and .NET IDEs)
- Compliance with .NET Common Language Specification (CLS) for comprehensive .NET language support and interoperability
- Runtime packager enhancements to support generation of Microsoft Merge (MSM file)
- Intellisense™ support for PowerBuilder objects, .NET classes and DataWindow object columns and controls
- Support for Tracepoints in debugging, running specified functions on the call stack, popup windows to enable easy display of variables and property values of PowerBuilder and .NET objects
- WPF Visual Inheritance — Found only in PowerBuilder!
- WPF support for 3rd party controls — this feature is pre-release for the PowerBuilder 12 GA delivery. Full support will be provided in a forthcoming maintenance release.

Sybase® PowerBuilder® 12 is the revolutionary new generation of Sybase's award-winning, market favorite rapid application development tool. Revolutionary? Yes! It's not just a new version, it's a leap forward in technology that also protects and extends your existing investment into the future. Developers can do more with PowerBuilder 12 and their current skill set than they can with any other tool. Whether your company needs to maintain a Win32 code line, build Web front ends for existing applications, integrate with .NET development, or move development entirely to the .NET Framework, PowerBuilder 12 gets you there. Faster, easier, and more cost effectively.

BECAUSE SOMETIMES TWO REALLY IS BETTER THAN ONE

PowerBuilder 12 is everything you know and love about PowerBuilder, plus a whole lot more. It now has two Integrated Development Environments (IDEs) in one box. The first is the familiar "Classic" IDE for creating Win32 applications that can be deployed as Desktop .NET Web Form, and .NET Windows Forms applications. And, it can also deploy PowerBuilder Nonvisual Objects (NVOs) as .NET Web Services. The second is the new .NET IDE, which is built on top of the Visual Studio Isolated Shell. This new IDE is not a plug-in for Visual Studio. Rather, Visual Studio is built right into PowerBuilder, integrating the best of PowerBuilder and Visual Studio into one IDE. In the new IDE, developers can create new Windows Presentation Foundation (WPF) applications, deploy NVOs as .NET Assemblies, and they can even migrate existing Win32 code to WPF. No other vendor provides this migration path, making your investment in PowerBuilder code and skills more valuable than ever. PowerBuilder developers now have the best of both worlds; they have a rich development environment with enhanced functionality for building and debugging applications, direct access to the .NET Framework, and options to customize Visual Studio and traditional PowerBuilder IDE layout properties, support options, and look and feel. Best of all, coding is still done in PowerScript, there's no need to learn C#.

WPF AND .NET: WE'LL TAKE YOU THERE

PowerBuilder 12 is the only development tool that allows you to migrate your Win32 applications to .NET. A built-in migration utility will alert you to unsupported code and functionality so you can easily identify where re-factoring efforts need to be directed. And, with a wealth of information online, including a sample application that was migrated from Win32 code to WPF, as well as a reference application based on the .NET Stock Trader application, you've got the support you need to tidy up your code and move it to new architectures.

No other vendor is as committed to preserving your investment as Sybase is, with PowerBuilder. You have probably used PowerBuilder for many years because it has always been able to get the job done more quickly than anything else. Your loyalty drives us to continue to protect your investment and make it as easy as possible to move your code forward, into the future — faster and easier than a team of .NET developers could rewrite it. PowerBuilder 12 will continue to make you the rock star of your development team. Code is a terrible thing to waste; with PowerBuilder 12 you can move to .NET for a fraction of the cost, time and complication of a complete rewrite.



SUPPORTED DEVELOPMENT ENVIRONMENTS

PowerBuilder 12.0 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 12.0 maintains support for deployment to Windows Server 2008.

POWERBUILDER 12 — GET SET TO ROCK .NET!

Microsoft's .NET platform is ubiquitous and it keeps evolving. So, how can you keep on top of all the changes, learn how to exploit services in the Framework, and still get your development tasks done? We take care of that for you. PowerBuilder is built to evolve; it always has been. When it first came to market, PowerBuilder simplified development for Windows so that your need to reference a Windows 32 API Bible was minimal. As Windows evolved and expanded into an entire Framework, we've kept pace by simplifying and abstracting the pieces of .NET that you'll need most. And, we're adding support for more .NET functionality all the time. Our focus is bifurcated; we not only add support for .NET but we make it easier to use and ensure you can access it with your current skill set.

THE DATAWINDOW ROCKS .NET

The DataWindow has been the trusted and speedy workhorse of the PowerBuilder IDE since the beginning. For nearly two decades, PowerBuilder developers have known a secret: Five lines of code is all it takes to access business logic, apply complex data validation rules, sort, filter, and display data in a variety of sophisticated presentation styles. This basic functionality requires hundreds of lines of code in another language. Now, in PowerBuilder 12, the DataWindow has been completely rewritten in C# and deploys as fully managed code. It also natively supports WPF, empowering developers to build applications that deliver a rich, modern, and fresh user experience (UX) to their applications. DataWindow advancements include:

- 3D Pie, Column, Bar, Line, Area charts, Bubble, Radar Graphs
- Gradient and transparency features
- Support for PNG files
- Rich Text Edit style for columns
- Support for 3rd party WPF controls

SECURITY SIMPLIFIED

PowerBuilder 12 deploys as managed code, and natively supports Microsoft's Code Access Security (CAS), a mechanism that controls the access that your code has to protected resources and operations. PowerBuilder's CAS support allows .NET Web Form and Windows Form applications to run in partially trusted zones.

OPENNESS CONTINUES: ENHANCED RDBMS SUPPORT

Continuing its tradition of open and heterogeneous database support, PowerBuilder 12 comes with native drivers for the most popular database management systems (DBMS), including Oracle, Sybase, Informix, and SQL Server databases, as well as ADO .NET support for Oracle, Sybase ASE, SQL Server, Informix, SQL Anywhere, and DB2.

SAME SKILLS, NEW APPS!

PowerBuilder 12 marks the beginning of the revolution. Developers no longer have to choose between using a tool they know and learning a different tool to leverage new technology. Businesses don't have to choose between keeping old applications running and embarking on costly rewrites. PowerBuilder lets you have your cake and eat it, too. With only your PowerBuilder skills and code, you can move ahead into the future. Take your Win32 code to WPF. Refresh a business critical application with a new Web front end or visually exciting WPF Desktop interface. Expose valuable business logic as Web Services. Share core business objects as .NET assemblies with other development teams. Do it all with the tool you've always used, with the skills you've always had. Don't chase technology; join the revolution and use new technology today, with PowerBuilder 12!