

# PowerBuilder® 11.5: Core Development Technology, Geared Up.



## WHY POWERBUILDER?

### *The DataWindow®*

- The patented DataWindow is unmatched and makes complex data access, data manipulation, and data presentation an easy, codeless, graphical experience.

### *Ease of Use and Productivity*

- Powerful IDE and intuitive user interface minimizes coding
- Does not require the extensive use of C/C++ or C#, but still delivers the power provided by these languages

### *Interoperability and Integration with a Range of Development Tools and Platforms*

- .NET Framework interoperability through Smart Clients, Web Forms, and Windows Forms
- JEE interoperability
- Access and deploy EJBs in 3rd party application servers
- Produce and consume Web Services
- Communicate via XML
- Interface directly with Java and C++
- PowerDesigner plugin supporting building and refactoring applications

### *Road Tested Technology*

- Proven technology for over 17+ years that incorporates leading development paradigms such as RIA, AJAX, and Web Services

### *Good For the Bottom Line*

- Reduced learning curve
- Leverages existing code, instead of having to re-write for .NET

PowerBuilder 11.5 is the proven technology that delivers the ability to rapidly create Smart Clients as well as two-tier, distributed, and Web applications for a variety of platforms, including JEE, Win32, and .NET. For over 17 years, organizations and developers keep choosing PowerBuilder to develop more secure, manageable, and reliable business applications that offer the high quality, rich and modern user experiences. Whether creating modern business applications or migrating existing applications, PowerBuilder provides a wide range of development, deployment, and support options that enable developers to build mission critical applications exactly suited for business needs.

In this new release, PowerBuilder 11.5, brings .NET interoperability enhancements, DataWindow innovations, and a slew of other new capabilities to make your job even easier, your applications even more robust, and your development even faster. And as always, PowerBuilder continues to make clear business and IT sense though leveraging existing code, technology investments, and expertise, all the while incorporating the latest development paradigms.

## POWERBUILDER IS .NET

Since .NET functionality, support, and interoperability is a mandatory paradigm given the ubiquity of Windows®, Sybase PowerBuilder is continually updated to be in sync with Microsoft technologies. With PowerBuilder 11, we delivered on our promise to make it easy to bring existing and new applications to the rich world of .NET. Applications can be quickly and easily deployed as .NET WinForms or ASP .NET2 WebForms—without having to completely rewrite, and ultimately saving time. Another component, called the Intelligent Updater, provides the ability to make .NET Windows Forms applications self-updatable quickly and in that classic, uncomplicated PowerBuilder way. Smart Client applications bring together the best of both worlds: a combination of the richness end users are used to with client-server based applications combined with the ease of deployment of Web applications. Furthermore, PowerBuilder delivers the capability to deploy your Non-Visual Objects (NVOs) as .NET assemblies, and like always, do it faster with PowerBuilder than developers using other tools.

Delivering on another phase in a multi-phase path to .NET, PowerBuilder 11.5 represents another key step in our roadmap. With support for Strong Named Assemblies, the ability to access .NET static, primitive and enumerative classes, and support for IIS7, PowerBuilder 11.5 provides developers with the tools at hand to develop the most up to date .NET applications with speed and ease.

PowerBuilder 11.5 supplants the need to “rewrite for .NET” and because it’s a 4GL tool, PowerBuilder abstracts complex technology, so developers can spend time developing rather than learning the ins and outs of .NET. And because it’s a 4GL tool, PowerBuilder abstracts complex technology, so developers can spend time developing rather than learning the ins and outs of .NET

## DATAWINDOW INNOVATIONS

The DataWindow has been the trusted and speedy workhorse of the PowerBuilder IDE. Now it’s been transformed to allow application customization and create even more innovative applications. With PowerBuilder 11.5, DataWindow’s new and enhanced data visualization features enable even richer presentation of business data and provide the end user with clear, actionable information through a highly graphical and interactive user experience. DataWindow

**NEW FEATURES FOUND IN POWERBUILDER 11.5 INCLUDE:**

*Enhanced .NET Support*

- Strong-named assemblies
- Function calls on primitive and enumerate types
- Static member access

*Database Support Enhancements*

- Oracle 11g
- MS SQL Server 2008

*DataWindow and Aesthetic Enhancements*

- PNG support
- Menus, toolbars, treeviews, DataWindows, picture, picture button
- Transparency
- Background: gradients, pictures
- Controls: gradients, transparency (as a percentage), tooltips
- Columns: Rich text edit style
- Graphs: 3D graph styles (also in stand-alone graph control)

*Simplified Security*

- Code Access Security
- Federal Desktop Core Configuration (FDCC) compliance

advancements include the ability to render Pie, Column, Bar, Line, Area charts all in 3D, special gradient and transparency features, and support for PNG files. Plus, Rich Text Edit style for columns has been added. The patented DataWindow, hands down, is the fastest data access, manipulation and presentation tool. Now, developers can create transformational data-driven applications with PowerBuilder 11.5.

**SECURITY SIMPLIFIED**

As applications require development for more platforms and more challenging business environments, support for compliance regulations and secure code is not only ideal, but an authentic business mandate. PowerBuilder 11.5 includes additional security tools that enable you to deliver applications that meet today's protection, compliance, and integrity needs.

PowerBuilder 11.5 brings support for the Federal Desktop Core Configuration (FDCC) regulation required of all federal agencies and contractors. PowerBuilder 11.5 and the applications that you develop provide the ability design an application run time that enforces FDCC user privileges.

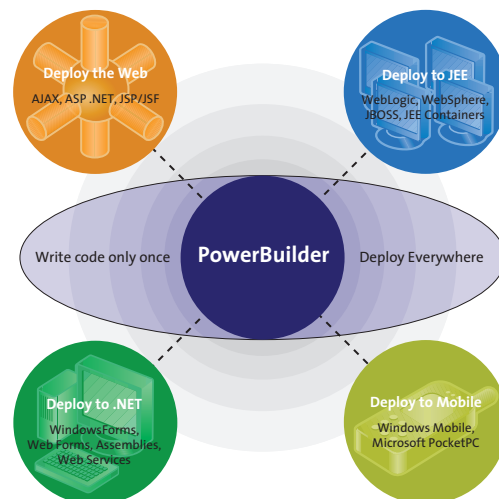
In addition, PowerBuilder 11.5 incorporates support for CAS (Code Access Security). PowerBuilder's CAS support allows .NET applications to run in partially trusted zones and is available for PowerBuilder applications deployed to Web Forms, Windows Form and .NET Web Services.

**OPENNESS CONTINUES: ENHANCED RDBMS SUPPORT AND EXPANDED DEPLOYMENT OPTIONS**

Continuing its tradition as an open tool, PowerBuilder 11.5 comes with native drivers for SQL Server 2008 and Oracle 11g for utmost developer efficiency and productivity.

Furthermore, PowerBuilder comes with the Application Server Plug-in, which supports the ability to deploy into third party application servers, directly from the PowerBuilder IDE.

PowerBuilder objects can be deployed to JEE application servers where they will act just like EJBs. Finally, PowerBuilder 11.5 comes with PocketBuilder, enabling agile Windows Mobile™ development.



**POWERBUILDER'S 4-PHASE .NET INTEGRATION INITIATIVE**

