



TOOL



Sybase® PowerBuilder® 8.0

productivity

DATA SHEET

# Sybase® PowerBuilder® 8.0

## **RAD for Client/Server, Web, and N-Tier**

Whether you're developing enterprise systems or commercial software applications, you need flexibility, speed, and power. And that's what Sybase PowerBuilder 8.0 delivers. With PowerBuilder, you can create, enhance, and extend durable client/server applications that drive business operations today. And, you can also rapidly create sophisticated Web and n-tier applications that leverage new Internet and distributed architectures.

## **What is PowerBuilder 8.0?**

Sybase PowerBuilder 8.0 is the easy-to-use, scalable, and proven rapid IDE that gives you a migration path to next-generation platforms while still enabling you to preserve and extend your existing investments in skills and applications. For years, you've enjoyed the speed, simplicity, and sophistication of PowerBuilder for client/server applications development. Now, you can use your same skills in the same familiar PowerBuilder environment to create equally powerful Web and distributed applications.

## **Superior Productivity**

PowerBuilder continues to extend its legacy of rapid application development and unsurpassed productivity with a range of features and benefits that dramatically accelerate the development cycle.

**Workspaces and Targets** — New Workspaces mean you can build, preview, and deploy multiple applications simultaneously – and productively. In your workspace, you build "targets" – the end product you deploy. Currently, PowerBuilder has three types of targets – traditional Windows®-based applications, PowerBuilder components deployed into EAServer, and Web targets.

**Source Editor** — A new integrated source editor lets you edit PowerScript® objects and components right from within PowerBuilder. No more exporting and importing to edit source code.

**Clip Window and Output Box** — A new Clip Window lets you store and reuse favorite PowerScript or HTML code segments. A new Output Window displays the results from a variety of operations (migration, builds, deployment, project execution, object saves, and searches) and lets you directly open an object in a painter or the Source Editor.

**System Tree** — This active, tabbed, navigable resource visually displays contents of Workspaces in a hierarchical format, HTML pages, language elements available to Web applications, and components residing in EAServer. It also lets you drag and drop components and objects for programming with minimal coding.

**Autoscripting** — Several new enhancements help your coding by completing or auto-suggesting statements or language elements you are typing.

**Exception Handling** — PowerBuilder 8.0 now includes exception handling classes and syntax for embedding context-sensitive error handling within applications. You can gracefully process exceptions from EAServer components and define and throw your own exception types.

**Built-In Internationalization** — PowerBuilder now supports double-byte character sets.

**Dozens of Usability Enhancements** — Sybase has added more than 50 usability enhancements to the development environment and runtime.

**Source Control** — A complete redesign has been done to support Workspaces, Web Targets, multiple file operations, sub-projects, offline development, and improved status reporting.

### Tight Integration with Sybase EAServer

PowerBuilder applications are even more powerful when running in EAServer, Sybase's unique application server that combines the capabilities of a component transaction server and a dynamic page server. That's because PowerBuilder provides seamless integration with the J2EE™-branded application server, EAServer, for full development, testing, debugging, and deployment processes. Using EAServer, you can support heterogeneous component models, including CORBA®, JavaBeans™ and Enterprise JavaBeans™, and COM and C/C++ components, as well as native PowerBuilder components. EAServer also provides load balancing, high availability, security, and scalability features you need for worldwide deployment.

**Implement Existing Component Interfaces in EAServer** — Use the EAServer Component Wizard to create custom class user objects that contain the methods and properties in an existing EAServer component's interface.

**Process Errors Thrown by EAServer Components** — With its new exception handling, PowerBuilder 8.0 applications can catch and process errors from EAServer components, giving your applications greater reliability.

**Call EJBs within EAServer** — PowerBuilder client applications and components can act as clients to Enterprise JavaBeans (EJB™) components on EAServer.

**SSL Connections** — A new SSL callback object enables your PowerBuilder application or component to make a secure Internet connection or inter-component call between different EAServer sites. This is critical in B2B applications that require inter-company communication.

### Robust Web Applications Development

PowerBuilder 8.0 is now a comprehensive Web IDE, giving you a powerful and rapid GUI-based environment for creating sophisticated Web applications and Web sites. Take advantage of a new range of Web development capabilities from the familiar PowerBuilder environment and bring your applications, your users, and your skills to the world of Web and distributed computing.

**Generic Web Target** — Build your code for a generic Web Target object model for faster development and deploy to either Microsoft® Internet Information Server or PowerDynamo™

**Auto-Generation of Template Code** — With 4GL Web pages – enhanced Web pages that incorporate extensions to the Web Target object model – template code is generated for you.

## HIGHLIGHTS

### Time to Market

- RAD 4GL development tool means fast development and fast delivery
- Leverage existing skillset, software, and development resources

### Web Development

- Web Target Object Model quickly creates thin-client Web applications using HTML, drag-and-drop programming, DynaScript, JavaScript™, SQL, and more
- Web DataWindow® brings the power of the DataWindow to a browser

### Integration with EAServer

- Build and deploy PowerBuilder NVOs directly into EAServer, without ever leaving the PowerBuilder IDE
- Wizards guide developers through object creation and deployment
- Build PowerBuilder NVOs based on existing interfaces in EAServer

### Integration of Data from Legacy Systems

- Redeploy NVOs into EAServer for access by new applications
- PowerBuilder components in EAServer can access data on the mainframe, PC's or workstations by executing ODBC, Open Client Client-Library, JDBC™, and Oracle® OCI calls. And they can execute stored procedures or COBOL programs.

### Openness: Leverage Existing IT Resources

- With EAServer, PowerBuilder applications and components can communicate with and access a variety of component models including PowerBuilder, ActiveX®/COM, Enterprise JavaBeans™, CORBA®, and Java servlets.

### Minimum System Requirements

133 MHz or higher  
Pentium®-compatible CPU  
CD ROM drive  
SVGA monitor  
64 MB memory (128MB recommended)  
100 MB hard disk space\*  
Microsoft® Windows NT® 4.0 SP6a,  
Windows® 2000 SP1, Windows® 98

\*Disk space taken by typical PowerBuilder 8.0-only install without Web Targets functionality. Actual disk space required is based on the number of products installed and options chosen. Additional temp space is required on the hard disk during installation for uncompressing install files.

### International Contacts

<b>Argentina</b> +(54) 1 393 0421	<b>Italy</b> +39 02 696 820 64
<b>Australia</b> +61 2 9936 8800	<b>Japan</b> +81 3 5210 6000
<b>Austria</b> +43 1504 8510	<b>Korea</b> +82 2 3451 5200
<b>Belgium</b> +32 2 713 1503	<b>Malaysia</b> +60 3 242 4218
<b>Brazil</b> +55 11214 4044	<b>Netherlands</b> +31 20 346 9290
<b>Canada</b> +1 519 886 3700	<b>New Zealand</b> +64 4473 3661
<b>Chile</b> +56 2 330 6700	<b>Norway</b> +47 231 621 45
<b>China</b> +8610 6856 8488	<b>Peru</b> +511 221 4190
<b>Czech Republic</b> +420 2 2431 0808	<b>Philippines</b> +632 750 2550
<b>Denmark</b> +45 3927 7913	<b>Portugal</b> +351 21 415 4078
<b>Finland</b> +358 9 7250 200	<b>Singapore</b> +65 338 0018
<b>France</b> +33 1 41 91 96 80	<b>Spain</b> +34 91 7497605
<b>Germany</b> +49 69 9508 6182	<b>Sweden</b> +46 8 587 70 433
<b>Hong Kong</b> +852 2506 6000	<b>Switzerland</b> +41 1 800 9220
<b>India</b> +91 80 228 3850	<b>Taiwan</b> +88622 514 8282
<b>Indonesia</b> +62 21 526 6520	<b>United Kingdom</b> +44 870 240 2255



#### Sybase Incorporated Worldwide Headquarters

6475 Christie Avenue  
Emeryville, CA 94608 USA  
Tel: 1-800-8-SYBASE  
Fax: 1-510-922-3210  
www.sybase.com

Copyright © 2001 Sybase, Inc. All rights reserved. Unpublished rights reserved under U.S. copyright laws. Sybase, the Sybase logo, PowerBuilder, DataWindow, PowerScript, and PowerDynamo are trademarks of Sybase, Inc. All other trademarks are property of their respective owners. ® indicates registration in the United States. Specifications are subject to change without notice.

**L01798**

