



**Appeon™ 2.5 for PowerBuilder®—Solution Brief**  
*A Revolutionary Deployment Solution For PowerBuilder Applications*

revolutionary

## A Revolutionary

# Deployment Solution for PowerBuilder Applications

Bring the utility of your PowerBuilder applications to the Web in a matter of hours or days without investing large amounts of money and time in a major re-architecture and development effort. The Appeon Solution transforms rich data-intensive, client/server PowerBuilder applications into rich browser-based n-tier, Web-deployed production applications while retaining the full functionality and productive user interface of the original application.

Appeon-deployed applications speed data entry, provide state-of-the-art reporting and printing from the web, create Adobe Acrobat PDF and Microsoft Excel files from any DataWindow®, and automatically allow the revolutionary ability to have multiple window sheets open at the same time with no browser frames or page refreshes needed. Utilize the unsurpassed productivity of the PowerBuilder 4GL development environment, leverage your PowerBuilder source code and development experience with the innovation and patent-pending technology of Appeon to create new, interactive Web applications with a full array of user interface controls.

With all of Appeon and PowerBuilder's revolutionary graphic user interface technology for the Web, many new development efforts will standardize on this paradigm for future development, which also allows one source code base for deploying both Web applications and client/server applications.

### Moving to the Web

#### Broadening The Audience

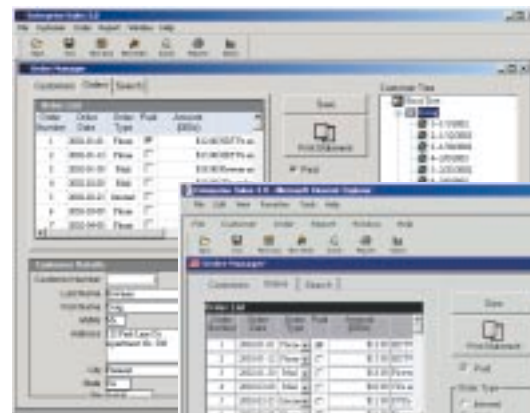
Browsers are ubiquitous—the ultimate low maintenance and zero deployment technology. Your PowerBuilder applications represent a perfected technology investment. This new solution for PowerBuilder unites existing applications with the ultimate, scalable deployment vehicles of application servers and browsers. And no Applets, no Plug-in's, no ActiveX, or Java Virtual Machine are required because Appeon is a true thin-client solution!

#### Hand-Converting PowerBuilder Applications To Web Applications Is In The Past

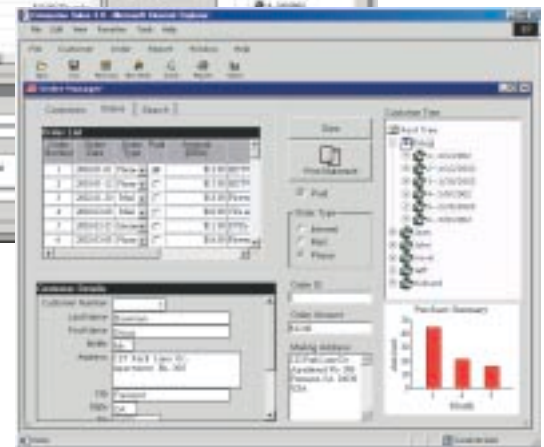
Before Appeon, the effort involved in moving PowerBuilder applications to the Web was a manual exercise. Developers needed to add entire new technologies to their skill sets before initiating development projects, and end users weren't always happy with a new user interface.

#### Transforming Entire PowerBuilder Applications Into N-tier Web Applications Automatically

Leverage your development staff's existing PowerBuilder coding skills to create world-class Web applications. The functionality of your PowerBuilder applications continues to evolve with your business needs. Your back-end connectivity remains stable and connected.



Client/Server



Web

Client/Server applications are transformed into leading-edge, n-tier, rich client Web-deployed applications in hours! The applications retain 100% of the user interface functionality.

## Benefits

### Extend The Reach Of PowerBuilder Applications

Show internal users (intranet), partners (extranet), and customers (Internet) the same comfortable interface. Increase flexibility and productivity in your workforce; give telecommuting employees and road warriors the same access to your PowerBuilder applications as your internal users. You no longer have to maintain parallel client/server and Web versions, now your single source library can deploy either version.

### Deployment Problems Evaporate

You benefit from immediate Web deployment and distribution of bug fixes and enhancements. Over time, client/server applications can become victims of their own success; feature sets grow to satisfy an expanding user base. This growth can fuel a feedback loop where feature changes in the client software are released to the user base. As the user base expands, frequent client-side updates become a problem. With Appeon, client software is never downloaded; all modifications are made at the server.

### Save Costs

Achieve Web deployment for your application and continue adding functionality without interrupting or retooling your programming staff. Your seasoned PowerBuilder coders who understand your business rules keep right on doing what they are good at—writing PowerBuilder code. No HTML, JavaScript, Java, or C# programming skills are necessary. Your expert power users remain productive on revitalized applications. This new solution removes the need for expensive, dedicated lines or frame relays to service the client. You completely retain your technology investment in back-end server-side programming and front-end client interfaces. Maintenance and customer service costs are dramatically lowered because client software installation issues disappear, eliminating what is historically a major point of failure for end users.

## Rich Web Client Development

Beyond deploying existing applications to the Web, you now have a powerful tool for creating new production Web applications in record time. Rich controls, data presentation, manipulation and validation are a snap to code with this new Web development paradigm that is faster and less confusing than ASP or JSP Web client development.

## Technology Automation

### About Appeon

Appeon is a Web-enabling extension to the Sybase PowerBuilder IDE. Appeon Server manages database connections and security, and provides scalability and high availability to your applications. With Appeon, all PowerBuilder development and feature enhancements are still done the way your programmers have always done it, within the world-class PowerBuilder IDE. The conversion process is automatic, configurable and self-contained.

### Appeon Developer

Appeon Developer extends the PowerBuilder IDE, it scans and analyzes PowerBuilder applications, generates Web files, previews the Web application in a browser interface, and deploys the Web application to Appeon Server.

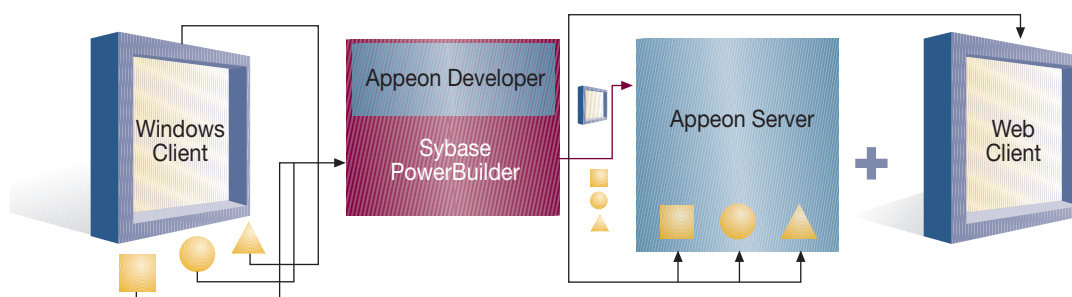
### Appeon Server

Appeon Server implements the run-time environment that delivers a PowerBuilder-style graphical user interface within Web browsers and provides complete DataWindow support. Appeon Server provides run-time services for the deployed Web application such as load balancing, database connectivity, transaction management, printing support, and Adobe Acrobat PDF and Microsoft Excel files from any DataWindow. Appeon Server provides a complete set of JavaScript functions that match client-side PowerScript statements and minimizes the need for page refresh. Through advanced mapping, Appeon supports advanced programming model concepts like PowerBuilder's window inheritance, event-sequencing structure, and embedded SQL.

## MOVING BEYOND WEB ACCESS

What if you needed to extend only a subset of application capabilities to partners or other organizations inside your organization? Working with PowerBuilder 9.0, developers can now easily import and export XML, as well as expose and consume Web services to share data and access business logic to and from additional partner, customer and internal organization applications.

Beyond moving single applications to the Web, many IT organizations are faced with the daunting task of organizing dozens or hundreds of applications. Sybase Enterprise Portal can aggregate your new, Appeon Web-deployed applications along with existing Web systems, allowing all users easy, fast, secure, and personalized access.



## International Contacts

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## Appeon Enterprise Manager

Appeon Enterprise Manager (AEM) is a Web-based utility for managing the transformed Web applications and the Appeon Server over the Internet. Appeon Enterprise Manager includes tools for system configuration, system maintenance, performance optimization, and system monitoring.

### Deploy Client/Server Applications To The Web In Three Simple Steps:

#### 1. Analyze

- Appeon scans the entire PowerBuilder application, flagging Web incompatibilities

#### 2. Modify

- If desired, rewrite or remove any unsupported PB features or code using standard PB programming

#### 3. Deploy

- Invoke the Application Deployment Wizard to Generate HTML, XML, and JavaScript
- Select the deployment profile for Development, Test/QA, or Production servers (also clusters of servers are easily supported if desired)
- Deploy the rich Web PowerBuilder application by simply pushing the "Deploy" button

## ROI

Appeon delivers a nearly instantaneous deployment of your PowerBuilder applications without incurring the cost or aggravation associated with creating a completely new development effort. Use the same tools to develop new Web applications quickly and cheaply. Add a new dimension to some of the most important and stable applications in your enterprise. Move rich client/server applications to robust, n-tier Web applications, prolonging their lifespan and expanding their accessibility.

If your company's future direction includes Web deployment or Web Portal deployment, Sybase and Appeon give you the tools you need to leverage your core technology skills and assets, immediately, and without additional training. Appeon keeps your working code working to your future advantage.



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