SYBASE®

APPEON® FOR POWERBUILDER®

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A REVOLUTIONARY DEPLOYMENT SOLUTION FOR POWERBUILDER APPLICATIONS

Bring the utility of your Sybase PowerBuilder applications to the Web in a matter of days or weeks without investing large amounts of money and time in a major re-architecture and development effort. Appeon for PowerBuilder transforms rich, data-intensive, client/server PowerBuilder applications into rich, browser-based n-tier, Web-deployed 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. Appeon moves your existing client/server technology seamlessly into the new unwired enterprise.

Hand-Converting Sybase 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. Projects required substantial time and money as developers would re-architect their applications for the Web and rewrite their windows into page after page of web applications. In the end, many projects failed; for those that succeeded, end users would be forced to work with a foreign and usually inferior user interface. Appeon makes all of this a thing of the past.

Transforming Sybase PowerBuilder Applications Into Rich Client, N-tier Web Applications

Leverage your development staff's existing PowerBuilder coding skills to create future-proof Web applications. Transform client/server applications into leading edge, n-tier, Web-deployed applications quickly and easily. Integrate your applications with other .NET and J2EE™ Web applications and take advantage of Web services. Keep your back-end connectivity stable and connected. With Appeon, the functionality of your PowerBuilder applications can continue to evolve with your business needs.

MOVING TO THE WEB.

Extend The Reach of Sybase 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 to both architectures.

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, as 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 installed at the client; all modifications are made at the server.

Save Costs

Achieve Web deployment for your application without throwing away years of investments in your existing PowerBuilder applications. Appeon for PowerBuilder automatically converts the majority of PowerBuilder objects and code to the Web. There is no need to re-design your application UI, rewrite your business logic and data access logic, or rebuild your database. Maintenance and customer service costs are dramatically lowered because client software installation and support issues disappear, eliminating what is historically a major point of failure for end users.

Minimize Risk

Appeon eliminates the disruptions to your business processes, development team, and end users of building new software applications. Run your time-tested PowerBuilder program code and objects at the core of the Web application. Don't retool your programming staff—your seasoned PowerBuilder coders who understand your business rules can keep on doing what they have been doing for years, coding PowerBuilder. Give your power users the GUI that they know and love best, eliminating the user-retraining and productivity loss associated with a typical Web migration.

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, more intuitive, and less complex than ASP or JSP Web client development.

About Appeon

Appeon is a Web-enabling extension to the 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, scans and analyzes PowerBuilder applications, debugs the Web application within the PowerBuilder IDE, 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, including complete DataWindow support. Appeon Server provides run-time services for the deployed Web application such as load balancing, database connectivity, transaction management, printing support, Web services support and integration with other .NET or J2EE Web applications.

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 groups inside your organization? Working with Sybase 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 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.

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, security, and system monitoring.

Deploy Client/Server Applications To The Web In *Three Straightforward Steps*:

1. Analyze

Analyze the PowerBuilder application for all PowerBuilder features that are incompatible with the Web.

Step 1 results in an analysis report flagging Web incompatibilities in the PowerBuilder application.

2. Modify

Rewrite or remove only the unsupported PowerBuilder features that are critical to running the application. All work will be done in the PowerBuilder IDE using only standard PowerBuilder programming.

Step 2 results in an application ready for automatic deployment to the Web.

3. Deploy

Deploy the PowerBuilder application to the Web by simply clicking the "Deploy" button.

Step 3 results in a rich Web PowerBuilder application with the same user interface, logic and data as the PowerBuilder client/server application.

ROI

Appeon delivers the fastest possible deployment of your PowerBuilder applications without incurring the high cost and high risk associated with a completely new development effort. Use the same tools to develop new Web applications quickly and economically. 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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