



# WebSmart® PHP

IBM i and multi-platform PHP development made easy for RPG and PHP programmers

WebSmart PHP is the fastest way for RPG, PHP and other programmers to develop IBM i and multi-platform PHP web applications. It is more than just a PHP editor; it is a rapid application development tool that includes program templates that guide you through creating professional looking Inquiry, Transaction Processing, and other applications in under 5 minutes.

The templates create the non-proprietary PHP code, HTML and CSS for you. This lets you focus on programming custom logic instead of structural details like subfiles. You have full access to the HTML and PHP code to make any modifications using WebSmart PHP's code editor to create any type of web application.

“The WebSmart PHP product makes the coding easy for a RPG programmer. This single program will breathe life into our aging system, and bring out the best of our i5 system. **WebSmart PHP lets me deploy applications in minutes that once took hours or more.**”  
*Patrick Shrader, White Knight Engineered Products*

## WebSmart PHP Advantages

- ✓ **Reduces development time** with Program Templates and Wizards, Syntax Checking and Intellisense
- ✓ **Shortens the learning curve** of PHP and web programming by building the base program for you
- ✓ **Integrates with the IBM i** with i5 PHP functions and DB2 program templates
- ✓ **Leverages RPG code** with a wizard that creates the PHP code to call RPG programs
- ✓ **Simplifies page design** with Visual HTML Editor, Text-Based Design Tools and separation of PHP from HTML in the IDE
- ✓ **Flexible deployment** with multiple platform and database options
- ✓ **Low cost of ownership** and no runtime license required
- ✓ **Unlimited phone & email technical support** and optional consulting and training services
- ✓ **BCD has over 30 years experience** in the IBM i marketplace
- ✓ **PHP is a proven language** used on millions of sites

## Create PHP Apps in 5 Minutes in 3 Easy Steps

## How it works

### 1 Select a Template

- Building blocks for any program:
- DB2
  - MySQL
  - Inquiry
  - Transaction Processing
  - SQL Search

### 2 Complete Wizards

- File Selection & Joins
- Field Selection & Filters
- PHP, HTML and CSS are created for you

### 3 Save & Run

- Program is Created
- PHP is FTP'd to Server
- View in Browser

Server Options

IBM i



Linux



Windows



PHP Engine

Zend® Core or Other

## 4 Modify any of the code with the WebSmart IDE

WebSmart PHP supports anything you can do in PHP

- jQuery
- XML
- Web 2.0
- Ajax
- Mobile Devices
- Dashboards
- Web Services
- Google Maps
- Encryption



Learn More and Download a Free Trial of WebSmart PHP

[www.bcdsoftware.com/php](http://www.bcdsoftware.com/php)

Why use PHP?

# WebSmart PHP features that speed up your development

## ✓ Program Templates for Creating Apps in Minutes

WebSmart PHP comes with customizable program templates that make it easy for you to build fully functional IBM i web applications in 5 minutes. The templates guide you through the steps to create Inquiry, Transaction Processing and other applications and they create the PHP (*database access, record updating and subfile logic*), HTML and CSS for you.

## ✓ Code Editor for Increasing Programming Speed

- **SmartSnippets** are wizards to help you complete coding functions such as calling RPG programs
- **Syntax checking** of PHP coding constructs, function names and parameters
- **Intelliprompting for auto completing** function names when coding
- **5,000+ PHP functions** can be dragged and dropped and have context sensitive help

## ✓ HTML Tools for Simplifying Page Design

WebSmart PHP includes both visual & text-based HTML design tools. The Visual HTML Editor minimizes the need to know HTML and is ideal for programmers new to HTML. You can easily drag-and-drop HTML design elements or database fields on your page. WebSmart also integrates with 3rd party visual HTML editors such as Dreamweaver™ for more sophisticated HTML editing.

## ✓ Separation of HTML and PHP for Improved Readability

WebSmart PHP separates the page design from the programming logic in the IDE instead of having your PHP intermingled with HTML as most other editors do. This makes your code easier to read and to re-use.

## ✓ Database Repository for Eliminating Redundant Coding

The Database Repository lets you define business, database and presentation rules such as file joins and drop down lists at the database level. This saves you time by eliminating repetitive programming tasks and it also makes your code more consistent.

## ✓ Built in Change Management for Controlling Development

- Promote programs from test to production
- Check your work in and out
- View audit trail that tracks all access and operations
- Archive programs for source comparison and rollback

“ I love writing in WebSmart PHP. The templates not only allow me to write an input screen in an hour or less, but **it greatly helped me through the learning curve in moving to the PHP language.** ”  
— Melinda Fowler, Ouachita Baptist University



Create simple or sophisticated PHP applications, the possibilities are endless

## IBM i Integration to Leverage your Existing Investment

Although WebSmart PHP apps can be hosted on different platforms, it was designed with the IBM i as the primary platform. It automatically handles the:

- Connection to your IBM i
- DB2 database access & data manipulation
- Uploading of PHP & HTML to the IFS

It also incorporates all the Zend i5 PHP functions to help you call RPG programs, work with data areas and outqueues & runs on the free Zend Core PHP engine.



SmartSnippets wizard creates the PHP code to call your existing RPG programs

## Free Nexus Portal provides Security and Menus for your PHP Applications

Your WebSmart PHP or ILE applications and any of your other web apps can be easily secured and organized with Nexus Portal, BCD's license free (maintenance only) web portal. Host your applications in a secure and reliable IBM i portal where users only see what they are

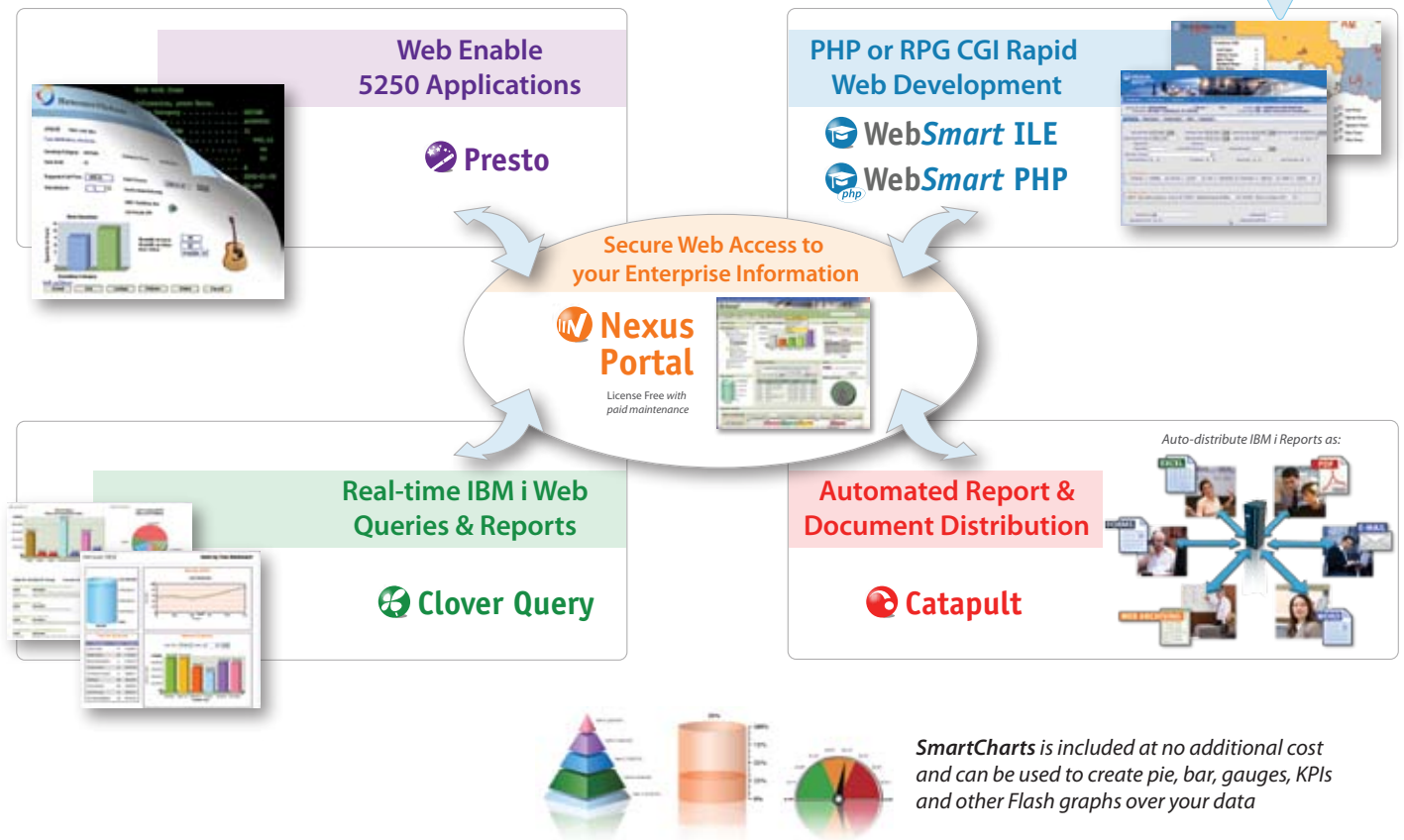
authorized to see. All this can be done without requiring any coding or HTML knowledge. Nexus also includes application frameworks such as menu trees, drop-down web menus, document management, executive dashboards, WYSIWYG site design and administration, and IBM i portlets.

## Further Modernize your IBM i Applications and Processes with BCD's Integrated Suite

You can also combine WebSmart PHP with BCD's other IBM i award winning modernization tools to build your customized solution. **Start with one, a couple of tools or BCD's complete modernization suite to meet your specific needs.** Selecting tools that communicate together, and dealing with one vendor who assures seamless support, makes this a smart choice.

### RPG CGI or PHP using the same IDE

WebSmart PHP and WebSmart ILE share the same IDE allowing you to move seamlessly between writing RPG CGI or PHP applications. You can even mix and match both types of applications. Existing WebSmart ILE clients get a discount on WebSmart PHP.



## Top 5 Reasons to Use PHP

1. **Open source** and developed specifically for web development
2. **Proven language** with over 22 million web sites written with PHP, two million PHP developers and 10,000 free scripts
3. **Easier for RPG programmers to learn** as it can be written procedurally
4. **Secure, fast and low system resource usage**, WebSphere is not needed
5. **IBM fully supports** PHP and includes Zend Core on new Power Systems

# See what your peers have to say about WebSmart PHP



"After download, I configured the product which took less than 15 minutes. By using WebSmart templates, I was able to create a page with a table of DB2/400 production data in under 10 minutes. **I am an RPG coder by trade and was astounded by this.** And three days later, I had developed the whole site that took me almost two months to accomplish using other tools."



"BCD's WebSmart PHP development solution provided many of the tools we needed to succeed, and **allowed us to use our existing computing talent and resources.** Our new online shopping and order entry application was an instant success with our customers while considerably cutting our personnel costs."

"Perhaps the gold standard for the IBM i world in PHP development environments is BCD's WebSmart PHP with all its templates, wizards, and SmartCharts. Yes, you do have to purchase it, unlike many PHP development tools, but there is a real company behind it with real developers and real customer service standing ready to answer your very real questions (and they seem even more real to you when you have a problem and can't figure something out)."  
— Chris Smith, Senior Editor, MC Press Online

"I'm really impressed with your technical support, in fact, it's fabulous. In those instances when I ran into a snag or had a question and called your support line, everyone I spoke to has always been able to answer my questions either immediately or in a reasonable amount of time. At times, my questions had nothing to do with WebSmart PHP and they helped me anyway."  
— Bob Boychuk, Sr. Systems Analyst  
CertainTeed Gypsum



## Try WebSmart PHP for Free or Learn More [Visit www.bcdsoftware.com/php](http://www.bcdsoftware.com/php) Product Download, White Paper, Demo Videos, Webinars, Case Studies and Code Examples

### Why BCD is the right choice for IBM i Modernization

- ✓ **Industry Leader:** BCD has over 30 years of experience in the IBM i marketplace and is a member of the IBM i ISV advisory board. We understand how IBM i developers and IT shops think and work.
- ✓ **Proven Solutions:** BCD has won 35+ industry awards and successfully helped thousands of organizations modernize including: Starbucks, Formica, Cardinal Health, Prada, Bank of America, Bristol-Myers Squibb, GE Canada, Canon, Konica Minolta, Honeywell, Goodyear, Kawasaki, Abbott Labs, Nestle, Cities, Counties, Universities, Insurance, Banks, Hospitals, Retail, Manufacturing, Distribution, Transportation... *and more.*
- ✓ **World Class Technical Support:** Our support team is consistently rated one of the best. You will receive unlimited support for the life of your support agreement and during your evaluation.

**No time or staff to develop web apps?**

Hire BCD's experienced Professional Services Group to create custom PHP or RPG CGI web applications for you or to web enable your 5250 applications.

- You will know your costs before you commit as we provide detailed project estimates.
- Hire us for complete projects, jump start projects or to work in tandem with your staff.
- We use our rapid development solutions to maximize productivity and reduce costs.

Learn more or tell us about your project at:  
[www.bcdsoftware.com/services](http://www.bcdsoftware.com/services)



- 10,000+ Customers
- 30,000 Products Sold
- Winner of 35+ Industry Awards

