

# Clear Methods®

## The Power to Simplify

**Today** every company faces the complexity of business application development, which has come to include a Tower of Babel of special-purpose languages. This tower was built by the major platform vendors attempting to mask the complexity through code generators and wizards. Conversely, that approach has not only severely limited flexibility and thereby increased software maintenance costs, but it has further led to the explosion of special-purpose languages.

XML is touted as the *lingua franca* or common language for business. Indeed, XML takes a first step in this direction, but it only offers a syntax for static data. The **Water language** turns XML into a **powerful business language** that simplifies the entire software lifecycle from requirements gathering through deployment. Water is more than a programming language -- it is a



business language for representing all aspects of software including design, content, presentation, testing, and documentation.



The Steam XML IDE™ is an interactive development environment that includes a comprehensive set of tools for the Steam XML platform. It provides an environment to write, run, and debug Water programs. The Steam XML IDE expression stepper provides much greater programmer guidance than the typical line-by-line steppers of other IDEs. The Steam XML IDE Professional Edition also provides a customizable menu for inserting common patterns, a one-click test case generator, integrated documentation tools, a powerful object inspector, and an online reference manual. The resulting high productivity environment caters to the Extreme Programming style with its rapid edit, run, and debug cycles.

Water adheres to the philosophy of "Learn Once, Use Everywhere". It significantly reduces the cost of training and maintenance, and leverages all investments in HTML, XML,

**Water and Steam XML provide a powerful new way for software vendors to reduce cost while adding Web Services capabilities, XML and user level customization to their products.**

application servers, and object-oriented development. As a common business language, Water dramatically reduces the complexity in creating flexible and secure business software. It enables a powerful new level of business automation.

If you are facing the Tower of Babel in application development, let Clear Methods and the Water language radically simplify your software complexity and reduce your training, development and software maintenance costs.

As an all-purpose, universal language, Water can be introduced anywhere within your existing architecture to add immediate value. It provides a smooth path to revolutionize business automation.

### Steam XML Case Study

"Water and Steam XML have allowed us to consolidate what would normally be multiple code-generating layers of applications into a single software systems architecture approach that is powerful, adaptable and user-friendly," said Dave Loda of Pratt & Whitney Aircraft. Dave is the founder and manager of the Applied Technologies Group, an internal innovation hub for United Technology's Pratt & Whitney division, and is working on developing a mobile, distributed computing architecture for the company's products to improve both supply chain efficiencies and customer support.

# Clear Methods®

## Advanced XML and Web Services

### Water and Steam XML offer a solid platform for your high performance IT development team

The Water language dramatically reduces the complexity inherent in Web application development. It eliminates the need for your staff to master a multitude of diverse and ever-changing languages. The Water syntax is based on XML, which has gained widespread use for Internet applications. Water turns XML into an executable language.

Web services are native to Water, rather than cobbled on after the fact. This means that your application developers need learn only Water rather than the dozen programming models required to create Web services with other languages like Java.

#### Protecting Your Staff's Investment in Training

All of your staff's experience with HTML and XML is directly applicable with Water. The Water environment makes it especially easy to create and test XML and HTML snippets. Java programmers can keep their existing Java code and call it from Water. It is easy to combine Water and Java code and use Water to greater extents as experience with the language grows. Regular Expression and SQL can also be used from a Water-driven program; the syntax of RegEx and SQL can be gradually migrated as increased functionality is required. Per

### ConciseXML Syntax

The Water language uses the ConciseXML™ syntax, a language-independent markup syntax compatible with XML 1.0, but designed to handle every type of data including non-hierarchical data, program logic, document markup, and binary data. ConciseXML is both concise and precise, eliminating two major limitations of XML and dynamically extending its power.

functionality, Water is simpler to learn than any other language, and further, it offers more functionality than any single language in common use today.

From a management perspective, the reasons to adopt Water go well beyond the major productivity gains. A typical development team will have one or more members working on presentation (HTML), others working on data, (SQL), and still others handling code (Java), documentation (Javadoc or HTML), and testing (with a variety of tools). Water can perform ALL of these functions *with one syntax and one set of object-level semantics*. By speaking Water, all team members can share code, rather than merely abstract ideas which frequently introduce "errors of transmission". Furthermore, when your staff shares a common language and that language can be used for all of the tasks involved in a software project, it is far easier for people to perform tasks outside of their area of expertise when the need arises.

#### Professional Services

Clear Methods in partnership with System Integrators offers a range of professional services for

both enterprise IT departments and small to medium businesses. Whether you need a quick prototype or a complete departmental solution, we would be happy to provide a quote for your project.

Steam XML is compatible with Windows, UNIX and Macintosh.

#### Steam XML Platform Products

- Steam XML IDE tools and editor
- Steam Engine runtime environment
- Educational site license
- Optional training and support
- Professional services

#### About Clear Methods

Clear Methods provides enterprises and independent software vendors with advanced Web services technology and solutions that dramatically speed the creation of flexible business software. The Clear Methods Steam platform is a pure Web services environment that enables the use of XML through-out the software lifecycle. Steam XML provides a compact, uniform, standards-based commercial product set for the open Water language.

#### US Headquarters

Clear Methods, Inc.  
One Broadway, 14th Floor  
Cambridge, Massachusetts 02142

Tel: 617-475-1631  
Fax: 617-758-4101  
[info@clearmethods.com](mailto:info@clearmethods.com)

#### European Sales

Tel: 617-475-1634  
[intsales@clearmethods.com](mailto:intsales@clearmethods.com)

[www.clearmethods.com](http://www.clearmethods.com)

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February, 2004