Product Quicktake

Tmax Soft, Inc. WebInOne Platform

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ebizQ Summary

Today's competitive environment means organizations must ensure that their applications meet the widely varying performance and availability requirements of today's dynamic business cycles, and future expansion. Application reliability is crucial.

While a tall order, that's what Tmax Soft's WebInOne Platform suite was developed to accomplish. Consisting of a transaction processing monitor, an application server, a Web server, and an integrated development environment, the WebInOne Platform suite enables organizations to create highly scalable J2EE applications more efficiently and effectively than traditional Web development suites.

Unlike some vendor solutions that have been assembled through the acquisition of disparate products from multiple companies, WebInOne was created from the ground up to be a pure, high performance J2EE application development platform. Its integrated design lowers development, implementation, training and ongoing management costs. Its high performance clustering, dynamic load distribution, reliable session management, and multi-threaded architecture enable WebInOne to meet and exceed process demand   regardless of the load.

Organizations in highly competitive industries such as financial services, insurance, manufacturing, retail, and healthcare have benefited from the scalability and efficiency of the WebInOne Platform suite. The WebInOne Platform suite is well-suited for organizations that need to ensure the performance, availability, and reliability of its J2EE-based applications.

Tmax
at a glance

Product: WebInOne Platform

Type of Product: Integrated Web Application Platform

Company: Tmax Soft, Inc.

Address: 560 Sylvan Ave
            Englewood Cliffs, NJ 07632

Phone: (201) 567-8266

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Web Site: www.tmaxsoft.com

Founded: Parent company founded 1997

Ownership: Private

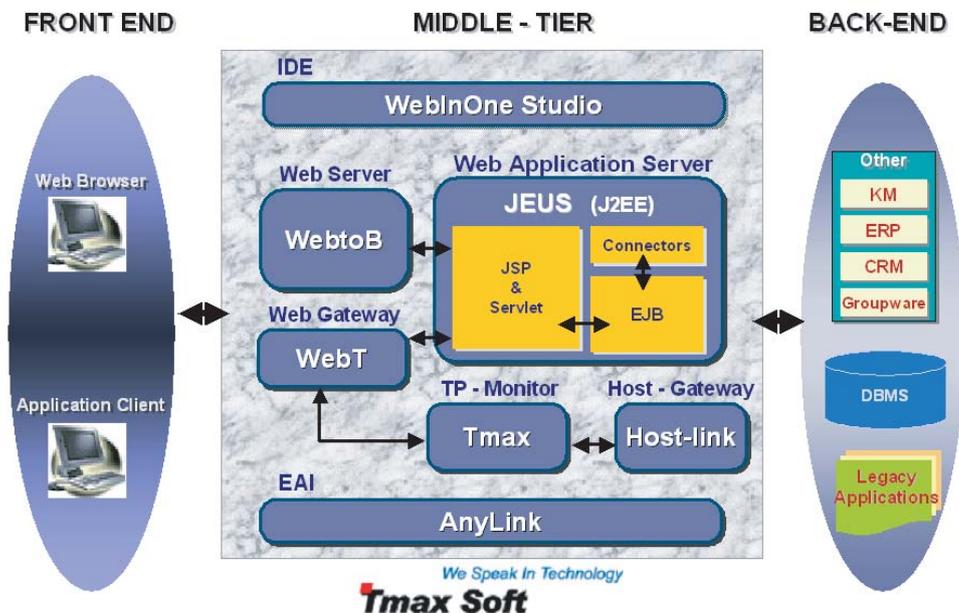**Total Employees:** 320 worldwide

Total Employees in Service/Support: 117

Total Employees in R&D: 95

Number of Customers: 500 worldwide

Total Company Revenue: Estimated $22M, 2003

WebInOne Platform Products- Overview

We Speak In Technology
Tmax Soft

Product Description

Tmax Soft's WebInOne Platform suite is composed of four main components:

Web Application Server	JEUS
Transaction Processing (TP) Monitor	Tmax
Web Server	WebtoB
Integrated Development Environment (IDE)	WebInOne Studio

Designed and created from scratch to perform optimally together, the components of Tmax also work well with those of the existing IT infrastructure. Each of the Tmax products can be used as stand-alones with existing IT resources, or together as an integrated platform suite. When used together, they enable efficient development and deployment of high-performance enterprise applications including J2EE, C/C++, and mainframe modules.

• **JEUS Application Server**: While application servers are now a mainstay of most enterprise application architectures, the JEUS (Java Enterprise User Solution) Application Server is a J2EE-compatible application server that provides a clustering system designed for large enterprise applications. JEUS includes a variety of advanced features such as dynamic load distribution and reliable session management, but its real strength is session clustering. Unlike traditional application servers whose performance degrades when deployed in session-clustering mode, the JEUS Application Server can handle session clustering in a reliable and definable way, ensuring consistently high performance. JEUS 5.0 is J2EE 1.4-certified, and supports XML-based Web services (UDDI, WSDL, and SOAP), JDBC connection pooling with optimization for XA and local transactions, unified transactional platforms for Java and C, and an HTTP Channel Accelerator.

• **Tmax TP Monitor**: TP monitors manage distributed transactions, ensuring that they commit on all platforms, or rolling them back if they don't. TP monitors can also enable load balancing by forwarding transactions to different back-end servers based on their availability, increasing the overall usage of resources in a distributed environment. The Tmax TP Monitor enables organizations to create reliable and scalable end-to-end connections between enterprise applications and legacy systems or data repositories. Unlike traditional TP monitors with a master/slave architecture, the Tmax TP Monitor has a three-tier, peer-to-peer architecture for increased reliability and stability. The Tmax TP Monitor follows the X/Open DTP industry standard model and supports a wide variety of server and client-side languages, including C, C++, and COBOL, as well as 4GLs such as PowerBuilder, Delphi, Visual Basic, etc.

• **WebtoB Web Server**: The Tmax WebtoB Web server supports large-scale transaction volumes and features high scalability through its three-tier, service-based architecture. While it can easily be used as a stand-alone Web server, organizations will obtain maximum performance advantages when using it with the JEUS Application Server. WebtoB's multi-threaded architecture enables high performance, reducing hardware requirements and cost while handling high volumes of traffic and thousands of simultaneous client connections. WebtoB supports multiple platforms (including Linux, UNIX, Solaris, Windows, and others), as well as Web transaction services, content caching, image compression, advanced security features, and many other capabilities.

• **WebInOne Studio**: WebInOne Studio is based on the Eclipse open IDE platform and is fully integrated with the rest of Tmax's products. WebInOne provides a rich, J2EE development environment that works seamlessly with other Eclipse plug-ins and products, enabling extensibility. Developers can use WebInOne to write JSP, Servlet, EJB, and other application components while managing the complete application lifecycle (including debugging and deploying applications) from within a single tool, greatly simplifying the development process and reducing development costs. Additional capabilities include team development functionality, JDK switching and cross-platform development support, EJB, XML, and Web application development support, debugging (via the Java Platform Debugger Architecture), and deployment management.

Conclusion

While today's organizations have plenty of choices when it comes to selecting Web and J2EE-based application development products, many companies are finding that two selection criteria have become more critical than ever: time-to-market and scalability. With that in mind, which platform will provide the fastest "time-to-market" with the most flexible and scalable solution set?

Tmax Soft's WebInOne Platform is designed to address these challenges, with its "homogeneous architecture" that was built as an integrated suite from the start. The WebInOne Platform includes application development, transaction monitoring, Web server, and application server products. The tight integration lowers training and maintenance costs, and thereby increases operational profit margins.

While the suite offers uniquely tight integration, it remains open, extensible and flexible. Components can also be deployed separately and integrated with existing infrastructure. These technology benefits significantly lower the risk of new technology adoption while increasing development productivity. The Tmax Soft WebInOne Platform is well-suited for companies with high availability, short time-to-market requirements, and conservative budgets.