

TIBCO Enterprise Message Service

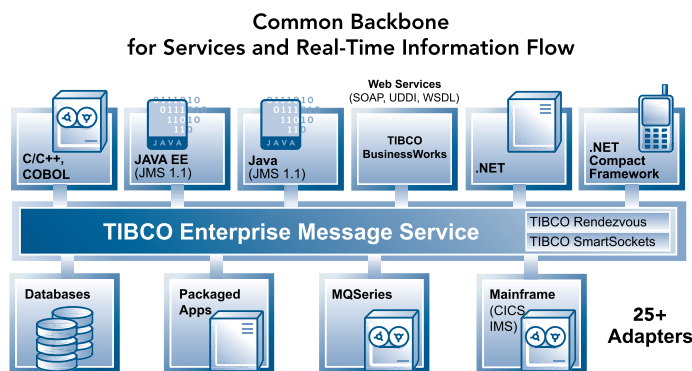
Organizations are becoming increasingly dependent on the real-time flow of information across systems to do business, and most IT organizations are moving away from monolithic applications and toward service-oriented architecture (SOA) that makes software functions and information easily accessible and reusable as services. One key requirement of an SOA is the ability to make information of all kinds available wherever and whenever it's needed, without requiring extensive administrative effort and without putting undue stress and traffic on corporate and public networks.

TIBCO Enterprise Message Service™ is standards-based messaging software that supports the implementation of SOA by enabling efficient synchronous and asynchronous system-to-system communications across a wide range of technologies such as Java EE, .NET, C, C++, TIBCO's own TIBCO Rendezvous® and TIBCO SmartSockets™ messaging software, and even COBOL and Assembler on the mainframe. Thousands of organizations have built their IT infrastructure on TIBCO's messaging software, including leading financial institutions, government agencies and telecommunications providers with extremely demanding distributed computing environments.

TIBCO's messaging software platform powers the communications infrastructure for the world's top financial institutions. Nine of the top ten brokers have standardized on TIBCO Enterprise Message Service. Customers include: Bunge Global Markets, FedEx, Intuit, QUALCOMM, Southwest Airlines, Swisscom Mobile and Wachovia.

"Given our performance, scalability and reliability requirements, TIBCO Enterprise Message Service became the obvious choice for us."

Tob Gwydir, Division Information Officer
Corporate and Investment Banking of Wachovia



TIBCO Enterprise Message Service provides a common backbone for services and real-time information flow.

AT A GLANCE

TIBCO Enterprise Message Service is standards-based messaging software that can serve as the backbone of an SOA by providing Java Message Service (JMS) compliant communications across a wide range of platforms and application technologies.

BENEFITS

- Reduces the cost and complexity of integrating disparate systems by providing a single standards-based communications platform for sharing information and services between applications and across heterogeneous environments such as Java EE, .NET, C, C++ or COBOL.
- Increases flexibility and promotes greater service reuse by supporting a greater range of communication than HTTP, including synchronous or asynchronous, point-to-point (queue-based) or publish/subscribe, and reliable, persistent and transactional communication.
- Reduces the time and expense of delivering new business functionality by establishing a flexible foundation for SOA that customers can extend with TIBCO's SOA, business process management and business optimization or third party products.
- Improves the performance, scalability and reliability of distributed system communication with sophisticated fault tolerance, load balancing and flow control capabilities.

 **TIBCO**®
The Power of Now®



ATTRIBUTES & CAPABILITIES

Common Platform for Multiple Technologies

Enterprise Message Service provides a common messaging platform that enables the delivery of information using leading platforms, standards and development technologies.

- A certified JMS 1.1-compliant messaging solution.
- Provides native messaging support for multiple languages including Java, Java EE, Microsoft .NET, C, C++, even C, COBOL and Assembler on the mainframe.
- Supports multiple platforms including Windows servers, desktops and mobile devices, Linux, the leading versions of UNIX, Mac OS X, Open VMS, AS/400 and the mainframe.
- Built-in TIBCO Rendezvous and TIBCO SmartSockets integration.
- Supported as a messaging foundation for use with all TIBCO products and leading third party Java EE-based application servers.

Fine-Grained Service Control

Enterprise Message Service supports multiple service protocols and qualities of service, providing one of the broadest sets of messaging semantics and options to optimize performance and service levels.

- Server-based, store and forwarding messaging architecture supports synchronous and asynchronous messaging and request/reply and publish/subscribe interactions.
- Supports different levels of reliable messaging including externally managed XA-compliant transactions.
- Lets administrators and developers add servers, intelligent routing and rules for handling high loads and communication errors.

Proven Performance, Reliability and Scalability

Enterprise Message Service is the backbone for some of the largest mission-critical systems in production today, delivering leading performance and scalability.

- Distributed architecture avoids introduction of a single point of failure.
- Supports load-balancing, routing and fault tolerant configurations.
- Sophisticated flow control maximizes throughput with minimal impact on the network.

Secure Administration and Communications

Enterprise Message Service delivers the administrative control needed to maintain a high performance and secure messaging solution, and provides support for security standards including the following:

- SSL including client-to-server and server-to-server connectivity.
- Fine-grained control over authentication and authorization permissions.
- External LDAP.

Extensible as Part of TIBCO's Platform

TIBCO Enterprise Message Service is the messaging backbone for TIBCO's comprehensive SOA, business process management and business optimization software offering which includes:

- SOA and business integration software for tying together leading applications, mainframes and other software infrastructure.
- Automation and workflow software for coordinating of complex business processes and exception situations.
- Portal, business activity monitoring and rich Internet application software for giving users actionable and contextual information.

PLATFORM, STANDARDS AND SECURITY

- AIX 5.1 and up (RS/6000)
- HP/UX 11.X (HPPA RISC)
- HP/UX 11.2 and up (IA-64/Itanium)
- Linux 2.4 kernel: 2.4.6 and up, glibc2.2.4 and up (x86)
- Linux 2.4 kernel: 2.4.18 and up, glibc2.2.3 and up (IA-64/Itanium, x86-64)
- OS/400 V4R3 and up, Java client only (AS/400)
- zOS Java, C, COBOL clients only (System 390)
- Solaris 2.8 and up (SPARC)
- Windows 2000/XP/2003 Server, MSVC V6.0 and up (x86)
- Windows CE 4.1 and up, .NET Compact Framework clients only (.NET Compact Framework-based devices, e.g. Pocket PC)
- Mac OS X (10.3) and up (Apple)

TIBCO Software Inc. (NASDAQ: TIBX) digitized Wall Street in the '80s with its event-driven "Information Bus" software, which helped make real-time business a strategic differentiator in the '90s. Today, TIBCO's infrastructure software gives customers the ability to constantly innovate by connecting applications and data in a service-oriented architecture, streamlining activities through business process management, and giving people the information and intelligence tools they need to make faster and smarter decisions, what we call The Power of Now®. TIBCO serves more than 3,000 customers around the world with offices in 40 countries and an ecosystem of over 200 partners. Learn more at www.tibco.com.

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