

# MESSAGING SOLUTIONS

## AT A GLANCE

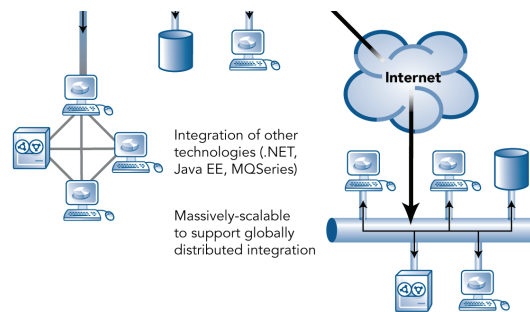
TIBCO's messaging software enables applications and information sources to send and receive information and requests for information across the network. It can support performance and reliability requirements that greatly exceed the capabilities of standards-based protocols and technologies such as HTTP and Web services.

### BENEFITS

- Improves business agility by increasing the flexibility of a company's IT infrastructure.
- Enables the real-time flow of information throughout local and wide area networks.
- Reduces system administration costs with a common and centrally manageable network of distributed applications.
- Reduces bandwidth requirements by enabling the most network-friendly type of messaging for most scenarios.

The foundation of business integration is the movement of information between distributed systems. There are many ways of doing this, including application-specific APIs and RPCs, legacy technologies such as COM and CORBA, and more recent standards like Java EE and Web services.

Like most integration vendors, TIBCO provides comprehensive support for all of these technologies. TIBCO is unique in complementing this support with messaging solutions that customers can turn to when they need more performance, reliability or scalability than the technologies mentioned above can provide. TIBCO's software leverages open standards and patented technologies to meet the requirements of most integration scenarios. With installations worldwide, TIBCO messaging solutions are proven in the most demanding enterprise computing environments.



## ATTRIBUTES & CAPABILITIES

### Complete Set of Messaging Options

Each integration scenario has unique requirements that can be best addressed with a certain kind of connectivity or messaging. To meet these requirements, TIBCO provides messaging solutions based on patented distributed architecture (TIBCO Rendezvous®), server- and queue-based architectures (TIBCO SmartSockets®), and Java (TIBCO Enterprise Message Service™). This complete set of solutions enables virtually every conceivable type of synchronous and asynchronous communication including publish/subscribe, request/reply, broadcast, multicast, and PGM (Pragmatic General Multicast). TIBCO offers a range of options for quality of service including reliable, guaranteed, and transactional, all with optional encryption, and supports the distribution of information over both local and wide area networks.

### Integration of Other Technologies

For many integration scenarios, legacy and competing technologies for integration and messaging will continue to exist because they still satisfy business requirements or are difficult to replace. TIBCO messaging solutions interoperate with leading technologies such as COM, CORBA, Java EE, MQSeries and .NET; with transaction systems including CICS and IMS; and with implementations of JMS (Java Message Service) from other vendors.

### Java-Based Messaging

For enterprises or departments that have standardized their integration efforts around Java EE, the practical choice for messaging is JMS. TIBCO has leveraged its years of experience and leadership in messaging to develop an extremely high-performance implementation of JMS with the reliability, scalability, and extended features needed to support business integration. TIBCO also provides a solution that enables real-time and bi-directional communications between Enterprise Java Beans (EJBs) and non-Java systems that is based on the Java EE Connector Architecture. All of TIBCO's Java EE solutions interoperate with TIBCO non-Java solutions, so enterprises can seamlessly share information between, and integrate processes across, Java and non-Java environments.

### PLATFORM, STANDARDS AND SECURITY

TIBCO messaging solutions are available on platforms ranging from desktop PCs running Windows to mainframes running OS/390.

Application programming interfaces (APIs) are available in Java, C, C++, Perl and COM.

#### About TIBCO

TIBCO Software Inc. (NASDAQ: TIBX) is a provider of infrastructure software for companies to use on-premise or as part of cloud computing environments. Whether it's efficient claims or trade processing, cross-selling products based on real-time customer behavior, or averting a crisis before it happens, TIBCO provides companies the two-second advantage™ - the ability to capture the right information, at the right time and act on it preemptively for a competitive advantage. More than 4,000 customers worldwide rely on TIBCO to manage information, decisions, processes and applications in real-time. Learn more at [www.tibco.com](http://www.tibco.com).

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