

# TIBCO Object Service Broker

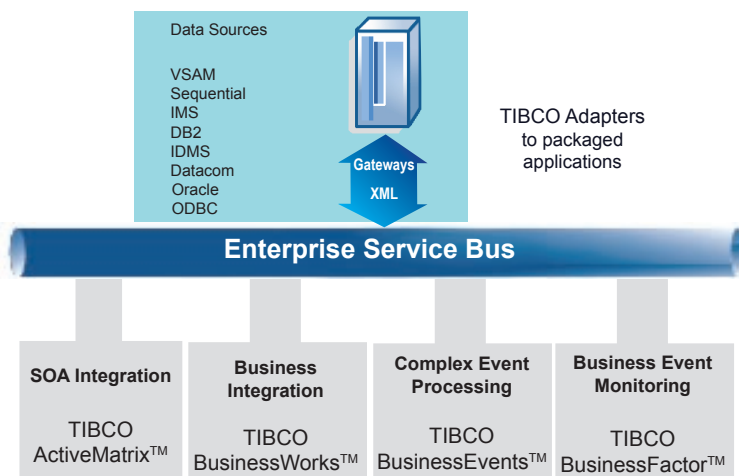
Many organizations face the challenge of integrating mainframe data sources into distributed application environments. In addition, the applications built around this critical data are usually written in COBOL, PL/I, assembler, or C. Businesses need to incorporate this data and associated applications into workflows managed from distributed systems, which are increasingly becoming SOA-enabled. They also often need to transform the data for use in applications running on distributed systems. The solutions businesses require to use these valuable assets must be simple, expandable, and flexible.

TIBCO® Object Service Broker is an open, fully scalable, enterprise-distributed, development, execution, and maintenance environment. It enables business application developers to build, integrate, and distribute business-critical applications incrementally, thus reducing the risks associated with migration of legacy applications.

Using TIBCO Object Service Broker, organizations can:

- Preserve existing investments in corporate data and systems.
- Greatly improve the speed and quality of delivered applications.
- Reduce the cost of maintaining and enhancing information systems.

TIBCO Object Service Broker enables organizations to intelligently integrate data sources from all application environments using a set of native database gateways. It eliminates the need to write low-level custom code to access mainframe applications. It also eliminates reliance on ODBC/JDBC to access the data sources. Data can reside in VSAM or sequential files; in databases such as IMS, DB2, CA-IDMS, CA-Datcom or Oracle; or in databases that are ODBC-compliant. You can integrate with CICS or IMS applications, use business rules processing, and directly call COBOL, PL/1, assembler or other languages. Using TIBCO Object Service Broker, organizations can readily achieve the service-oriented accesses they require to their mainframe data.



*TIBCO Object Service Broker gives customers fast, flexible, scalable, and secure access to their mainframe assets through its on-host gateways.*

## AT A GLANCE

**TIBCO Object Service Broker** and its gateways enable organizations to readily integrate their mainframe applications and data into a service oriented architecture (SOA). As a mainframe resident integration broker and application development environment, it exposes functions as reusable services and lets mainframe applications proactively initiate processes based on events that occur inside and outside the mainframe environment.

## BENEFITS

- Brings SOA to the mainframe, thus offering access to a highly effective process development and deployment environment.
- Enables organizations to build flexible and scalable SOA-enabled solutions with the metadata abstraction inherent in the product.
- Provides organizations with a wide range of gateways that can be used alone or together to bi-directionally access mainframe and nonmainframe data and data sources.
- Offers a cost-effective alternative to migrating and re-hosting data and applications that work in your current environment, while minimizing business risks of such migrations.

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## ATTRIBUTES & CAPABILITIES

### Service-Enablement

TIBCO Object Service Broker extends the capabilities of TIBCO's ESB and SOA platform to enable IS organizations to maintain the performance and security inherent in mainframe applications, while at the same time service-enabling their mainframe assets for easier reuse. These assets flow through TIBCO Object Service Broker as objects and are presented as services to services consumers. These services can be extracted from multiple, disparate sources, then transformed and aggregated before the service response is sent to the service requestor.

### Repository-Driven and Platform neutral Framework

Using TIBCO Object Service Broker, organizations can rapidly prototype solutions that incorporate disparate mainframe and non-mainframe sources. TIBCO Object Service Broker provides a framework with the following advantages:

- **Repository-driven:** Separates business processes from the technical complexities of databases and operating systems.
- **Platform-neutral:** Supports the z/OS, Windows, and Solaris platforms, and enables business logic development to take place on a platform of choice without affecting the portability of the solution.

### Business Rules Processing

A library of business rules and a business rules language work with data accesses defined in an active metadata repository. This enables easy and flexible integration of multiple mainframe data sources into business logic. Organizations can initiate TIBCO Object Service Broker rules processing from TIBCO BusinessWorks™ processes. EMS messages can be produced and

consumed by TIBCO Object Service Broker rules applications. Bi-directional rules processing can be initiated with new and existing CICS, IMS, ODBC, and Java applications, thus leveraging existing code and data.

### Enterprise-Level Data Transformation and Validation

Organizations can extract data from any supported data source; validate and transform it using rules and services; and deliver the results to other processes, message-oriented middleware, or services consumers. TIBCO Object Service Broker organizes requests, initiates one or more transactions, and can return a consolidated response to the requesting programs. Reciprocating actions can be invoked if needed, and can be easily integrated into an existing infrastructure or a TIBCO BusinessWorks™ process.

### Event-Driven Architecture

Organizations can choose the event-handling approach that best suits their business requirements – captured events can be routed to mainframe-resident applications, to applications on distributed platforms, or to TIBCO BusinessEvents™ engines. Applications can use easily-written business rules to respond to incoming events.

### Standards Support

- User interface is based on the Eclipse framework.
- Support of industry standards allows a single point of entry across disparate mainframe and non-mainframe systems.

## PLATFORM, STANDARDS AND SECURITY

- Current releases of z/OS, Windows and Solaris operating systems
- XML, JCA, WSDL, HTTP, ODBC, SQL, .NET, COM, J2EE
- Basic identity authentication, RACF, CA-ACF2, and CA-TSS

**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 more than 20 countries and an ecosystem of over 200 partners. Learn more at [www.tibco.com](http://www.tibco.com).



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