

# USING TIBCO OBJECT SERVICE BROKER FOR ETL

## AT A GLANCE

The ETL solution enables organizations to extract, transform, and load data on-host and off-host and provides a powerful rules-based environment to deliver the flexibility and results customers require.

### BENEFITS

Data is manipulated at the most beneficial location.

Transformation steps can be easily incorporated or removed, providing for significant flexibility.

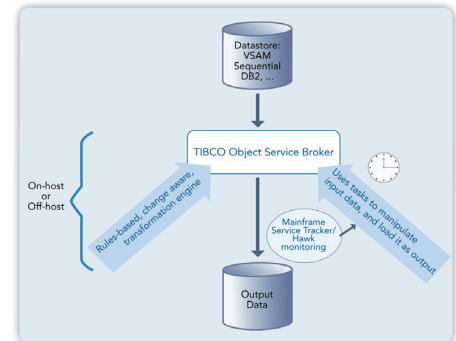
A single task supports the import or export of multiple and disparate data sources.

Highly productive as the number of parallel transformation tasks is only limited by hardware.

Uses standard monitoring interfaces. Business rules language is designed to be easy to use.

Extracting data from one or more sources, transforming the data such as cleansing it, splitting it up or merging it, and then loading the results is often required at an organizational or business unit level. In enterprise situations this process often involves mainframe data sources and the results may ultimately reside on mainframes or open systems hardware. In the best of worlds this work is accomplished as close to the data as possible. TIBCO® Object Service Broker has an ETL solution that delivers this capability wherever it is needed, on-host and across multiple platforms.

The ETL solution can extract, transform, and load data as defined by a corporation's business users. Business rules schedules can be set to start the process to extract the data, transform it, and load it to the appropriate repository. Using these same business rules, data can be scrubbed and bad data can be cleansed. Other TIBCO products such as TIBCO Mainframe Service Tracker™ and TIBCO Hawk® are available and can be utilized to monitor the progress of these tasks.



TIBCO's ETL solution provides the flexibility and power required for cleansing, scrubbing, aggregation, and transformation of large, disparate data sources.

## ATTRIBUTES & CAPABILITIES

### Powerful Yet Easy to Learn

The ETL solution effectively delivers. The business needs determine the location of the processes, their timing, and their order of execution:

On-host or off-host integration of multiple result sets

On-host or off-host processing and data cleansing

On-host or off-host processing of business logic against result sets

On-host or off-host data scrubbing

Scheduling via JCL or Windows or UNIX scheduling services

Business rules language contains only 17 verbs and is very easy to learn

Uses standard TIBCO Object Service Broker tables for the intermediary steps

### Support Operations

Operating on VSAM and sequential files; databases such as IMS, DB2, Adabas, CA-IDMS, CA-Datcom, and Oracle; and databases that are ODBC-compliant

Extracting files from multiple sources in one operation and loading into one or more data sources

Data cleansing and exception handling

Joining and splitting files

Tracking of changes at definition time

On-the-fly operations such as code page translation as data is extracted from one location and loaded to another

Transforming at the data set or file, field, or record level

Using custom exits to third-generation languages, such as C, C++, and Java

Scheduling of tasks at all stages: preprocessing, processing, and post processing

## PLATFORM, STANDARDS AND SECURITY

z/OS 1.6 and above

Windows 2000, Windows XP, Windows Server 200x

Solaris 8, 9 and 10

Mainframe Service Tracker 1.1 and/or Hawk 4.8.x and above

### 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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