B2B Transaction Lifecycle Visibility using TIBCO LogLogic

THE PROBLEM
In TIBCO BusinessConnect™, a B2B transaction typically passes through three stages, resulting in three sets of information: 1) the gateway server log, 2) the interior server log, and 3) the audit database. For example, an inbound transaction first goes through the gateway server, where the identity of the trading partner is verified and the transport information is stripped. Then, the payload is processed by the interior server, where the payload is validated and translated into a format that the destination application can understand. As the transaction undergoes validation and translation, a state machine writes all successful events and exceptions to the audit database. Finally, the transformed payload is passed on to the private process (usually running on TIBCO BusinessWorks™).

Going the other way, the reverse is true. A payload is passed from the private domain to the interior server, where it is translated into the trading partner’s agreed upon format before it is sent out to the destined trading partner.

As a result, an operational IT user wanting to easily find any event or error related to a particular transaction will have to search three data sources, which can be cumbersome.

THE SOLUTION
1 Changes in BusinessConnect 6.4 were made so that related transactional data in the gateway server log, the interior server log, and the audit database are tied to a single transaction ID.

2 Further, log data is now written to follow a common format that TIBCO LogLogic® can recognize. TIBCO LogLogic is TIBCO’s log management platform that collects, stores, and correlates user activity, event data, and more.
B2B TRANSACTION LIFECYCLE VISIBILITY

BENEFITS
TIBCO BusinessConnect customers can now use LogLogic to ingest log data from BusinessConnect gateway and interior servers, and transactional data from the audit database. LogLogic correlates the system activity and event data under common transaction IDs and stores them in a common place. The newly revamped LogLogic UI provides graphical visualization and advanced search capabilities for operationalizing the data. This makes it a lot easier for customers to have a bird’s-eye view of all B2B transactions across their lifecycle, and to quickly find transaction details in case of errors or exceptions.

TO DO
Interested in B2B Transaction Lifecycle Management? Ask your solution consultant about TIBCO LogLogic. If you already have TIBCO LogLogic license, ask your professional services consultant about how to configure LogLogic to create BusinessConnect “devices” and database, point to those devices, configure the regex data models, and enable BusinessConnect data collection.