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▶ BabeL™

SOA-ENABLE YOUR SWITCH

A new language...

Today's modern systems have taken great steps towards the Enterprise Service Bus (ESB) vision. The corner stone of the ESB vision is the Service-Oriented Architecture or SOA. A SOA environment offers significant benefits to enterprise users in terms of both interoperability and quick implementation times, enabling faster time-to-market.

BabeL is a solution that allows users of a payment system to participate in a SOA environment with ease. BabeL allows payment systems to expose web services as well as route transactions to external web services. This is achieved using configuration only, without any coding that can be expensive, time consuming, difficult and costly to maintain and update.

EXTENSIVE CONFIGURATION

Out of the box, BabeL can communicate with Base24™, Base24-eps™ and Postilion™ using BICISO and Post-Bridge protocols. However, BabeL comes with an extensible mechanism that allows an ISO8583 implementation to be plugged-in to it using configuration only, so it is possible to use BabeL with any payment system.

BabeL communicates with a payment system over one or more ISO8583 links, translating web service calls to ISO 8583 messages and vice-versa. Using an extensive configuration scheme, BabeL is flexible enough to categorize web service calls according to the value of input parameters or route transactions to various web services according to the transaction content.

Please visit our web site for more information and register to receive a free trial license of BabeL.

BENEFITS

Enable a payment system to participate in a SOA environment

Connect to third-party systems within minutes

**Expose functionality of your payment system as web services with ease**

FEATURES

- Translates ISO-based messages to web service calls and vice-versa
- Configuration & rules-based
  - Dynamically define and consume web services
  - Intelligent mappings between parameters and ISO fields
- Message protocols are configurable
  - PostBridge & BICISO out of the box
  - Others available on demand
- Flexible web interfacing
  - SOAP-based web services can be integrated using configuration only
  - Other web technologies are supported through BabeL.Sink plug-ins

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CODIX S.A. | Systems Integration

EXPOSE WEB SERVICES ▲

The BabeL (Source) deployment option allows you to create and publish web services that can be consumed by external entities, such as your mobile or internet site, an IVR system or an embedded client. BabeL (Source) then translates web service calls to ISO8583 messages which are sent to your payment system.

Application programmers of such external systems are, therefore, presented with a clean web service interface and need not be aware of the intricacies of ISO8583. BabeL (Source) acts as a black box that takes care of message translation, field creation and request/response matching behind the scenes.

BabeL (Source) allows users to identify information present in composite ISO8583 fields (such as the additional amounts field) and extract that information for presentation in a manner suitable more to web services (such as distinct ledger balance and account balance output parameters).
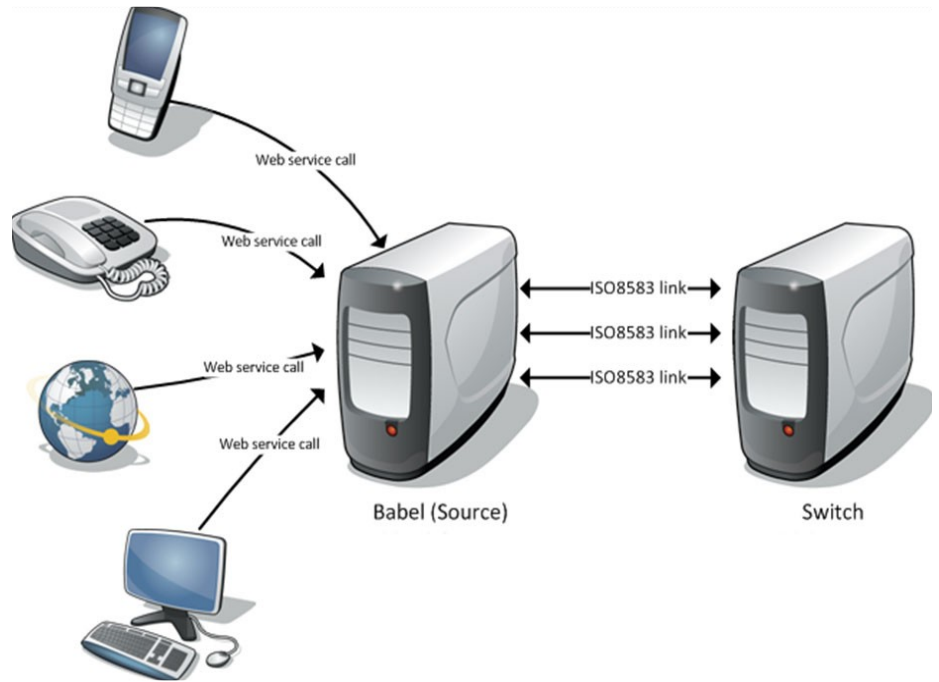
BabeL (Source) exposes web services to external entities

CONSUME WEB SERVICES ▲

The Babel (Sink) deployment option allows you to consume web services provided by external entities, such as a ticketing host, a bill payment host, a CRM system or a loyalty system. SOAP-based web services can be integrated using configuration only, while other web technologies are supported through plug-ins. To achieve this, Babel (Sink) receives ISO8583 messages from your payment system and translates them to web service calls.

BabeL (Sink) allows you to define routing rules based on message field content that govern web method selection. For example, typical cash and inquiry transactions can be sent to a host web service but bill payment transactions may be sent to a bill payment provider.
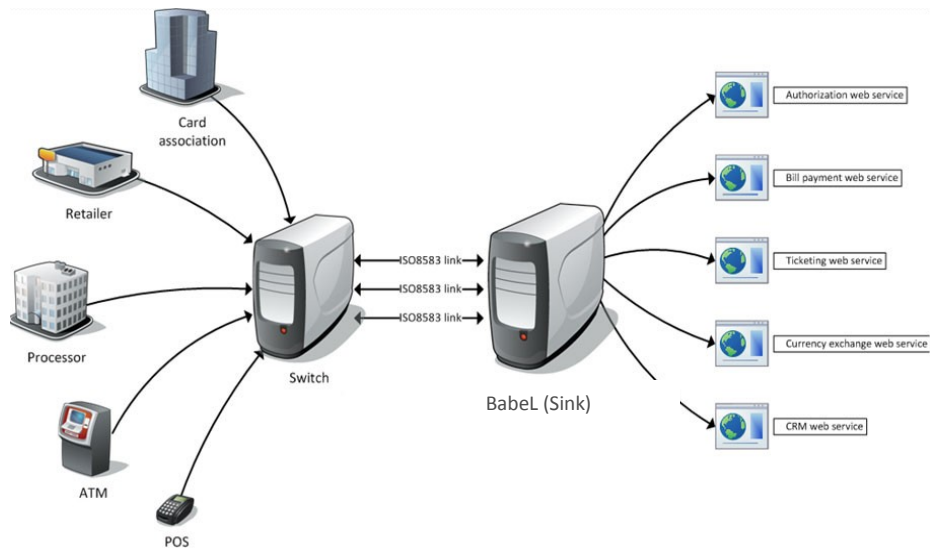
BabeL (Sink) consumes web services of external entities

MONITORING ▲

BabeL publishes several performance counters that allow operators to monitor its status by standardized tools, such as the Windows performance monitor. Additionally, BabeL can log messages to several logging targets selectable by the user (these include the Windows event log, a database, a syslog target, a plain or rolling file, e-mail, the Windows debug stream and others).

Users can granularly select the messages logged to log targets based on the message severity level (debug, info, warning, error & other levels). In addition, users can apply specific filters based on message content or severity level and use multiple log targets at once.
For example, it is possible to log everything to a rolling log file but alert support personnel of error conditions via e-mail.

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