CASE STUDY:
B2B MESSAGING MODULE

How to Gain Huge Cost Savings and Increase Trading Partner Satisfaction.

B2B SOLUTIONS

Asgard Alliance Software developed the B2B framework as part of a project for a client of an Acumatica VAR. You can find an overview of the project in this case study.

WHY IS B2B INTEGRATION IMPORTANT?

- Provides automated exchange of Electronic Documents (a.k.a. messages)
- Improves efficiency (no manual steps)
- Reduces errors
- Is mandated by large Vendors and Customers
- Required to compete in the modern world

RESULTS

- Exchange messages with any iPaaS, ESB or middleware : Dell Boomi, Jitterbit, Celigo, Tibco, MuleSoft, BabelWay, etc.
- Exchange messages with Peer-To-Peer trading partners
- Exchange messages via any protocol, for example: HTTP(S), FTP(S), SFTP, SMTP(S), Amazon SQS, Azure Queue Storage, AS2, AS4.
- Handle transactional documents (SO, PO, IN) triggered by various Business Events (status or flag updates)
- Handle master data Create, Update, Delete
- Handle bulk changes on schedule
- "Control message mappings without external costs
- Handle any message formats (XML, JSON, CSV, X12, EDIFACT, SAP IDocs, Ariba cXML, ISO 20022, SEPA, Fedwire, etc.)
- Handle all data translations (Currencies, Units, Inventory Items, Carrier Codes, etc.) without a complex structure
- Handle data translations per trading partner or per system
- All messages in one Acumatica screen
- A single entry point web service
- Allow to correlate inbound and outbound messages
- Allow to send multiples messages to multiple systems for a single business event
- Auto-generate the Trigger mechanism (Business Events, Import Scenarios, etc.)
- Easy export of Message Definitions to production servers
- Generate complex message templates with a few clicks
- Configurable multi-step message processing
- Modifiable processing behaviour via message attributes

> *Our previous integration solutions were difficult, time consuming, and specific to only one business case. With the B2B Module, we have been able to quickly address a wide variety of integration projects. This includes Business to Business integration with numerous trading partners, and many message (file) formats. We have also been able to use the module to develop two significant in-house Enterprise Application Integrations solutions.*

James Rollins
Director of Software Solutions
HemaSource, Inc.

OBJECTIVES

- Carry our own integrations without the need for developers
- All messages in one place
- One entry point for all messages in and out, no more web services API adjustments

MESSAGES

- Outbound Product Tracings: 8,000+ per year
- Inbound Warehouse Orders: 6000+ per year
- Outbound Invoices: 30,000+ per year
- Shipment Confirmations: 30,000+ per year
- Others: 50,000+ per year

TRADING PARTNERS/SYSTEMS

- Logistics: 2 with 6 Message Types
- Manufacturers: 3 with 16 Message Types
- Large Vendors: 3 with 9 Message Types
- Large Customers: 7 with 28 Message Types
- E-Commerce site: 7 Message Types
- WMS System: 12 Message Types