

Integration via JAGGAER Integration-As-A-Service

Integration-As-A-Service

JAGGAER's Integration-as-a-Service (IaaS) utilizes a web services hub to connect source-to-settle business automation solutions to client's existing ERP and business applications. The use of web services allows clients to quickly adopt new technology with less risk and reduced redundancy.

All inbound and outbound messages to and/or from the ERP are in native formats. JAGGAER manages all mappings through its technology, so clients can reduce the cost of information technology resources.

IaaS is powered by industry leading middleware providers, offering robust capabilities and functionality. This service is delivered through a hosted hub that provides the following benefits:

- Custom mapping between customer file formats and the required JAGGAER-specific XML format
- Data validation routines implementation if necessary
- Error handling implementation to ensure delivery of business documents
- Insulates customers from version and system upgrades

IaaS reduces costs, because no additional hardware or software is required to enable integration between JAGGAER and the client's on-premise applications. This methodology provides the most adaptable approach to integration and relieves the customer's information technology (IT) resources of heavy lifting associated with message mapping. Specifically, Integration-as-a-Service provides the following benefits:

- Minimizes IT resource involvement during implementation
 - IT resources are not required to code the mapping or transform data files
- Minimizes ongoing maintenance costs
- Customer cost is reduced by eliminating ongoing maintenance. JAGGAER maintains unique data mapping

Contents

- Integration via JAGGAER Integration-As-A-Service1
- Integration-As-A-Service.....1
- Integration Method and Approach.....3
- Client Responsibilities3
- JAGGAER Responsibilities3
- Deliverables3
- Integration Points3
 - User Authentication/Management4
 - Approval Management.....4
 - eProcurement4
 - eProcurement (marketplace).....6
 - eInvoicing.....6
 - Contracts+.....8
 - Supplier Management8
 - Inventory.....9
 - Supplier Management9

Integration Method and Approach

Client will send/receive JAGGAER messaging utilizing JAGGAER's Integration-as-a-Service (<IaaS) offering unless otherwise noted herein. IaaS-based integrations include the following basic assumptions:

The principles of JAGGAER's methodology include:

- JAGGAER will configure the application to enable the applicable integration(s).
- JAGGAER will develop a mapping and validation service that will convert the mutually agreed upon message format to the JAGGAER required format.
- Client will work with JAGGAER to determine the mutually agreed upon file format and frequency.

Client Responsibilities

In support of the deployment of integrations with the JAGGAER application, the client is responsible for the following:

- Obtain input from the necessary technical resources for the development of the integration specification and design
- Make knowledgeable technical resources available for integration development and testing
- Make the necessary client environments available
- Migrate client-side integration configurations between client environments
- Perform and validate the firewall configuration required for JAGGAER integration. The required configuration is to open a specific set of well-known ports to inbound traffic from a specific list of static IP addresses.

JAGGAER Responsibilities

In support of the deployment of integrations with the JAGGAER application, JAGGAER is responsible for the following:

- Facilitate the design of the integration.
- Provide an integration specification.
- Provide confirmation on the functionality during testing.
- Support client during integration testing and issue resolution.
- Migrate JAGGAER application integration configurations between JAGGAER environments.
- Provide best practice guidance and expertise.
- Provide FTP server for file transmission, if needed.

Deliverables

- Technical Kickoff
- Integration Specification(s)
- Integration(s) enabled in all applicable environments as defined in the Statement of Work for the project.

Integration Points

JAGGAER integrations include:

User Authentication/Management

<u>Integration</u>	<u>Description</u>	<u>System</u>
Single Sign-on (SSO) via available methods (CAS, SAML, LDAP, LoginXML)	SSO enables the client users to maintain their access and authentication in one system, and in many cases to use one central login portal to access many applications.	Client System
User Import / Synchronization	Import detailed user profile data from the client ERP, or other, system to the JAGGAER application.	Client System
User Export	Export Users	Client System

Approval Management

<u>Integration</u>	<u>Description</u>	<u>System</u>
Advanced Dynamic Workflow (ADW) Synchronization	Import client approval rules and assigned approvers from your ERP system to the JAGGAER application for use in Advanced Dynamic Workflow.	Client System

eProcurement

<u>Integration</u>	<u>Description</u>	<u>System</u>
Account Code Synchronization	Import chart of accounts values and parent-child relationships from the client system to the JAGGAER application.	Client System
Asynchronous Purchase Requisition Validation	Import parent-child relationships between custom field values.	Client System

<u>Integration</u>	<u>Description</u>	<u>System</u>
Purchase Order Export (including PO Changes)	Export Purchase Orders from the JAGGAER application to the client ERP system.	Client System

Additional Integrations

Supplier Import	Import new and changed Suppliers from the client ERP	Client System
Purchase Order Import	Import Purchase Orders that are created in the client ERP system to the JAGGAER application for order delivery to suppliers.	Client System
Purchase Order Status Import	Import Purchase Order status (e.g. closed, canceled) and limited additional data from the client system.	Client System
Purchase Requisition Export	Export Purchase Requisition data from the JAGGAER application to a client system for review or storage	Client System
Purchase Requisition Import	Import Purchase Requisition data that was created in a client system to the JAGGAER application. This is commonly used to leverage the approval process for requests created in third-party applications.	Client System
Shipping / Billing Address Import	Import BillTo and ShipTo addresses from the client ERP system to the JAGGAER application.	Client System
Item Data Import	Import key item data between JAGGAER's Virtual Item Data module and a client's item management system.	Client System
Contract Item Import	Import contract header and line-item data from a client system to the JAGGAER application.	Client System
Currency Exchange Rate Import	Import currency exchange rates from client ERP	Client System

<u>Integration</u>	<u>Description</u>	<u>System</u>
ASN Export	JAGGAER can export ASNs individually, or batched in a single XML message, and can export them to multiple systems, if required	Client System

eProcurement (marketplace)

<u>Integration</u>	<u>Description</u>	<u>System</u>
Punchout from client procurement system	Provides user access via a punch-out interface, utilizing the cXML standard or Oracle Native cXML standard, from the client's ERP system to the JAGGAER application	Client System
Item Data Synchronization	Synchronize key item data between JAGGAER's Virtual Item Data module and a client's item management system.	Client System
Contract Item Import	Import contract header and line-item data from a client system to the JAGGAER application	Client System

eInvoicing

<u>Integration</u>	<u>Description</u>	<u>System</u>
Invoice Export	Export invoices and credit memos from JAGGAER application to the client ERP system. If the client is matching invoices in the JAGGAER application, this integration is commonly known as the "ok-to-pay" file	Client System
Invoice Payment Status Update	Transmit invoice status (e.g. pay status) information from the client ERP system to the JAGGAER application.	Client System

Additional Integrations

Receipt Export	Export receipt data entered into the JAGGAER application to the client ERP system for the purpose of matching or record-keeping outside of the JAGGAER application.	Client System
Receipt Import	Import receipt data from a client system (e.g. 3rd party receiving application) to the JAGGAER application for the purpose of matching.	Client System
OCR Invoice Import	Transmit scanned invoices/credit memos and invoice data from a client system (e.g. OCR software) to the JAGGAER for review and processing.	Client System
Invoice Validation	Determine the validity of a PO or non-PO invoice based on its content. For example, the client ERP system can determine the available budget, account code validity, and data accuracy by processing the invoice validation message from JAGGAER Invoicing. The ERP system can then reply with a response to approve, return, or reject the invoice.	Client System
OCR Invoice Import	Transmit scanned invoices/credit memos and invoice data from a client system (e.g. OCR software) to the JAGGAER for review and processing.	Client System
PO Query	Digital Mailroom (DMR) partners, can implement a standard JAGGAER XML integration for retrieving purchase order (PO) data, in order to validate that the PO exists, or to use the data to ensure a successful subsequent invoice import. The integration point returns basic PO header-level information, such as supplier information, bill-to and ship-to addresses, and document totals, as well as line-level details, such as item details, quantities, and line charges.	Client System

Contracts+

<u>Integration</u>	<u>Description</u>	<u>System</u>
Electronic Signature Integration	Provides integration between the JAGGAER application and supported eSignature software provider.	DocuSign / Adobe Sign

Additional Integrations

Contract Export	Export contract data from the JAGGAER application to a client system.	Client System
Contract Import	Import contracts from a client system to the JAGGAER application.	Client System
Contract Validation	Validate contract data against a client system (e.g. ERP system, data warehouse, or third-party contract management system).	Client System
Salesforce Integration	Provides standard integration between the JAGGAER application and Salesforce.com.	Salesforce.com

Supplier Management

<u>Integration</u>	<u>Description</u>	<u>System</u>
Supplier Export to ERP	Transmit supplier data from the JAGGAER application the client system. Supports a response message from the client system with client-specific unique identifiers.	Client System
Supplier Synchronization	Import supplier data into the JAGGAER application from a client ERP system.	Client System

Inventory

<u>Integration</u>	<u>Description</u>	<u>System</u>
Cycle Count Import	Import annual and interval cycle counts.	Client System
Inventory Adjustment Export	Export adjustments made to inventory items from the JAGGAER ONE solution to your ERP	Client System

Supplier Management

<u>Integration</u>	<u>Description</u>	<u>System</u>
Savings Initiative Export	Provides a means of exporting JAGGAER Savings initiatives to the client ERP.	Client System