

ERP-224 Integration Process - Supplier Data Replication from Ariba to Keelvar

Status	Approved
Owner	MOHAMMAD-ext, Farhan
Stakeholders	
Jira Request ID	 ERP-225 - Jira project doesn't exist or you don't have permission to view it.
Jira Development ID	 ERP-224 - Jira project doesn't exist or you don't have permission to view it.

High-Level Specification

Application System (Source)	Ariba Guided Sourcing
Application System (Target)	Keelvar
Source System Interface	Standard webhooks and APIs
Target System Interface	Standard APIs
Business Process Reference	03.03.03.01. Manage Sourcing Projects

Functional Overview

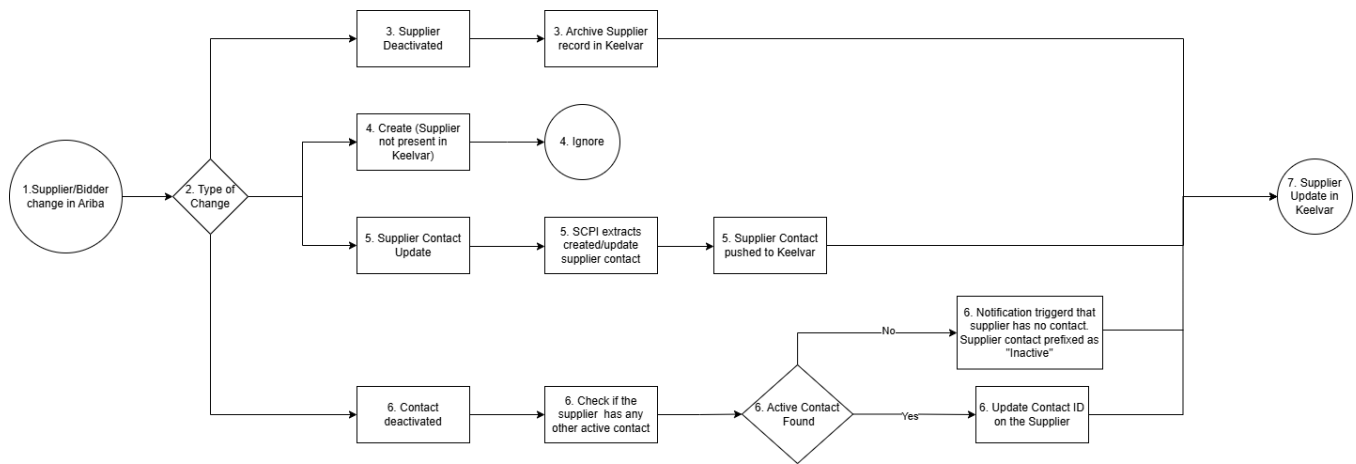
Ariba Guided Sourcing is interfaced with SAP ECC system (PRS) to sync Supplier Master Data. Bidders and Supplier Contacts Master Data is maintained in Ariba Guided Sourcing directly. The Supplier Master Data (including Bidders) along with Supplier Contact information is interfaced with Keelvar as well to allow the Sourcing Specialists the flexibility to invite participants to Keelvar Event. Ariba Supplier ID (System ID) is maintained as External ID in Keelvar ensuring the sync between the two systems. Whenever a supplier or Bidder is deactivated in Ariba Guided Sourcing, the supplier is also archived in Keelvar.

Scope and Objectives

The scope of this Functional Specification is to describe the interface between Ariba and Keelvar for synchronizing Supplier Master Data. When a supplier/bidder is updated in Ariba, the Keelvar record will be updated via the Keelvar API. Similarly, whenever, a supplier/bidder is deactivated in Ariba, the Keelvar supplier record will be archived. Ariba Master Data API for Sourcing will be used to extract the data from Ariba Guided Sourcing. The supplier contact information is also push from Ariba Guided Sourcing to Keelvar.

If a supplier is not present in Keelvar, the same will be created via the Event creation from Ariba to Keelvar (ERP-108)

Process Flow Diagram



Step	Description
1	Supplier is created or deactivated in Ariba Guided Sourcing based on SAP ECC details using an Integration Event. Alternatively, a Bidder is created/deactivated in Ariba Guided Sourcing by Sourcing Specialist. Supplier Contact can also be updated in Ariba Guided Sourcing. All of these constitute a change in Supplier/Bidder data in Ariba Guided Sourcing.
2	A Scheduled Task picks up the list of all Suppliers or Contacts modified since the last run. Subsequent action depends on the type of change.
3	If the Supplier active flag is false i.e the supplier has been deactivated, SPCPI send a request to Keelvar to archive the supplier records.
4	If the Supplier active flag is true i.e the supplier has been updated, SCPI extracts the supplier details and creates a payload for Keelvar Supplier Management API and pushes it to Keelvar. If the Supplier is not present in Keelvar, the supplier will get created during the event creation from Ariba to Keelvar
5	If the Supplier Contacts which have been modified since the last run, SCPI extracts the corresponding supplier details and pushes the supplier contact details along with the contact ID to Keelvar.
6	If the Supplier Contacts which have been deactivated since the last run, SCPI checks Ariba for other active contacts for the said supplier. If no contacts are found, a notification is triggered and the contact of the supplier record is prefixed as "Inactive". Otherwise, the supplier details along with an active contact ID is pushed to Keelvar.
7	Based on the request from SCPI through Keelvar Supplier Management API, Keelvar updates the supplier record.

Assumptions

- Following three fields have been added to the Supplier object in Keelvar:

Field Name	Field Type	Required
Contact Name	Text	Yes
Contact Email	Text	Yes
Contact ID	Text	Yes

Dependencies

- Depending on the build of [ERP-116 Integration of Suppliers from SAP PRS \(ECC\) into Ariba](#)

Security, Integrity and Controls

The following are the Security and Authorization considerations for this interface:

- Access to Ariba and Keelvar APIs is limited via a shared secret to secure End Point connection
- Access to API authorization in SAP Ariba Sourcing are being addressed by Ariba standard security controls. Only authorized persons with Ariba administrator's role can access/ change API OAuth Keys.
- Similarly, access to API authorization in Keelvar are being addressed by Keelvar standard security controls. Only authorized persons with Keelvar Organization User role can access/ change the Keelvar authorization token.

Configuration Requirements

In order to activate the Master Data API for Sourcing, following steps need to be completed:

1. Sign in to the SAP Ariba Developer Portal.
2. Click Create application from the home page.
3. Fill out the Create a new application form by entering an application name and description, then click Submit.
4. This generates an Application key that identifies your application within the system. Every API request your application makes must include this key as the value of the apiKey parameter.
5. Ask your organization admin to request API access for your application by displaying the application in My applications and clicking Actions Ask your admin to request API access.
6. A user with the Organization Admin role requests approval for API access.
7. SAP Ariba assesses the request, and once processed and approved, the Organization Admin user receives email with an OAuth client ID for the application.
8. A user with the Organization Admin role generates the OAuth secret and base64-encoded client and secret.

In order to activate Keelvar API, following steps need to be completed:

1. Log into Keelvar Portal
2. Go to Account settings and navigate to API Keys section
3. Click New token button and provide the name and Expiration of the token. Click create to get the token details.

Ariba Guided Sourcing configuration details are described as under:

	Supplementary	Test	Production
Ariba Technical User	R_BTP_ARB_ADMIN		
Ariba Realm ID	745255310-SS-T	745255310-T	745255310
OAuth URL	https://api-eu.ariba.com/v2/oauth/token	https://api-eu.ariba.com/v2/oauth/token	https://api-eu.ariba.com/v2/oauth/token
Request URL	https://eu.openapi.ariba.com/api/sourcing-mds-search/v1/prod	https://eu.openapi.ariba.com/api/sourcing-mds-search/v1/prod	https://eu.openapi.ariba.com/api/sourcing-mds-search/v1/prod

Keelvar configuration is described below:

Request URL	https://test.keelvar.dev/api	https://my.keelvar.app/api
-------------	---	---

Special Requirements

Not Applicable

Design Rationale

The Supplier Master Data along with Contact details must be in sync between Ariba Guided Sourcing and Keelvar.

Data Structure

Source Structure

The following fields will be used to provide the required information for this interface:

Field	Description
organization - Name_en	The name of the Supplier Organization
organization - SystemID	The ERP vendor ID of the supplier or the Ariba System ID of the Bidder
organization - Active	The flag on organization indicating if the Supplier is active or not
users - Name_en	The name of the Supplier Contact

users - EmailAddress	The email address of the Supplier Contact
users - UniqueName	The User ID of the Contact User. One Ariba Supplier can have multiple contacts and contact ID. But ID of any one of the active contacts is maintained in Keelvar at a time.
users - Active	The flag on user (contact) indicating if the Supplier is active or not

Target Structure

The following fields will be used to provide the required information for this interface:

Field	Description
name	The name of the Supplier Organization
external_id	The ERP vendor ID of the supplier or the Ariba System ID of the Bidder
fields/Contact Name	The name of the Supplier Contact
fields/Contact Email	The email address of the Supplier Contact
fields/Contact ID	The User ID of the Contact User. The Contact ID of the supplier is used to push Surrogate Bid to Ariba which is described in E RP-137
archived	The flag on Keelvar Supplier record indicating if the supplier is archived or not.

Mapping and Calculation

API or Portlet Name	Source Field	Required (Y/N)	Description	API or Portlet Name	Target Field	Required (Y/N)	Description	Rule Type	Rule Instruction
Entity Type - organizations	Name_en	Y	The name of the Supplier Organization	/manage /supplier_changes	name	N	The name of the Supplier Organization		Required only if Supplier is to be created/updated
Entity Type - organizations	SystemID	Y	The ERP vendor ID of the supplier or the Ariba System ID of the Bidder	/manage /supplier_changes	external_id	Y	The ERP vendor ID of the supplier or the Ariba System ID of the Bidder		
Entity Type - organizations	Name_en	Y	The name of the Supplier Contact	/manage /supplier_changes	fields /Contact Name	N	The name of the Supplier Contact		Required only if Supplier Contact is to be created /updated
Entity Type - users	EmailAddress	Y	The email address of the Supplier Contact	/manage /supplier_changes	fields /Contact Email	N	The email address of the Supplier Contact		Required only if Supplier Contact is to be created /updated
Entity Type - users	UniqueName	Y	The User ID of the Contact User	/manage /supplier_changes	fields /Contact ID	N	The User ID of the Contact User		Required only if Supplier Contact is to be created /updated
Entity Type - organizations	Active	Y	The flag on organization indicating if the Supplier is active or not	/manage /supplier_changes	archived	N	The flag on organization indicating if the Supplier is active or not		Required if Supplier is to be archived

Processing Logic

Processing within Source

Ariba Master Data Retrieval API does not provide notification of event changes via Webhook, the integration is triggered via a timer. Hence, for the integration to execute, no processing is required within the Source

Processing within Middleware

Due to rate-limit restrictions in Ariba and Keelvar APIs, a JMS Queue oriented integration pattern is used for the end-to-end synchronisation of Suppliers.

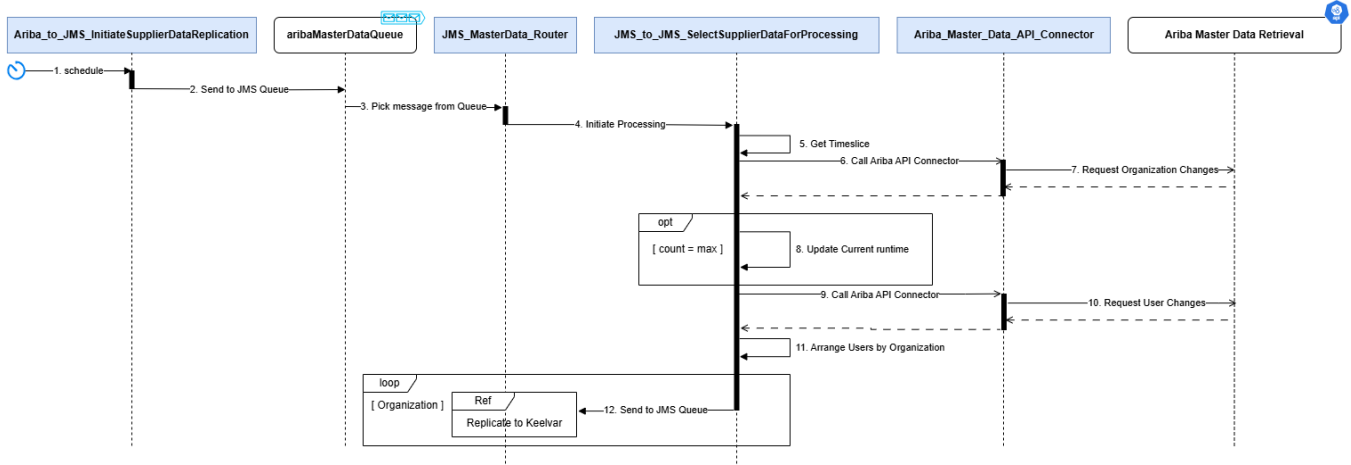
IFlows that use Ariba APIs or Keelvar APIs are queued into a single-threaded processing Router, thereby reprocessing of failed API due to exceeded rate-limits (i.e. HTTP 429 response) in Ariba are avoided. Both Ariba and Keelvar APIs are initiated using "Connector" IFlows, which provides a single point of authentication and rate-limits.

The integration ignores any Suppliers that do not exist in Keelvar. Creation of Suppliers is linked the creation of Events via [ERP-108 \(CR-347\)](#).

Sequence Diagram of processing in CPI

Sequence 1: Selection of Organizations and Users

This part of the Interface manages the Change Pointers of Supplier updates in Ariba.

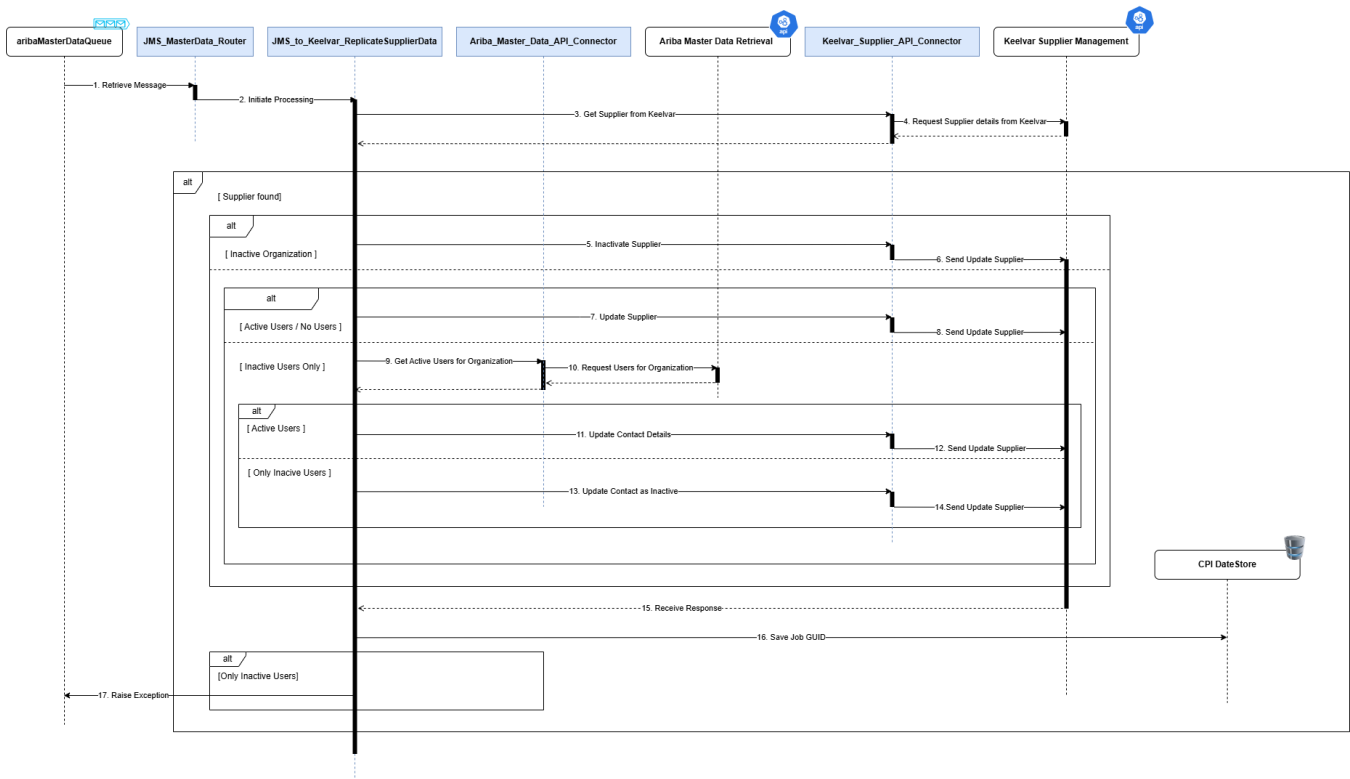


	Description	Comments
1	Integration Scheduler runs Ariba_to_JMS_InitiateSupplierDataReplication to initiate processing of Supplier Data	There is no transformation logic in this IFlow. However, the ProcessDirect path to the next IFlow is defined in the header field jmsProcessDirectPath .
2	The IFlow pushes a dummy message into aribaMasterDataQueue	
3	IFlow JMS_MasterData_Router reads the message from the Queue,	The Router checks whether the message is a Retry of a previously failed message and once the retry count has exceeded pushes them to a Dead Letter Queue
4	The Router forwards the messages to the iFlow JMS_to_JMS_SelectSupplierDataForProcessing to gather the changed Supplier Organisations and Users from Ariba end point defined in message header	The forwarded path is defined by the header field jmsProcessDirectPath
5	The processing is initiated by getting the last runtime from a saved Datastore as the start time and current time as the end time	The start and end times from the previous integration is saved in the Datastore.
6	The IFlow makes a Synchronous call to the Ariba Master Data Connector IFlow Ariba_Master_Data_API_Connector to retrieve Supplier Organisations that have changed - created, updated or archived - in the selected Interval	The filter parameter used in the API is TimeUpdated . The maximum number of records to be selected are defined by Externalised parameter Maximum Suppliers to Process (default value 100). Header fields that are passed to the Connector are: <ul style="list-style-type: none"> • aribaUriPath - URL path to get Organizations (Suppliers) • aribaUriQuery - selection parameters
7	The Connector IFlow calls the Ariba Master Data Retrieval API to get Supplier Organisations that have changed - created, updated or archived - in the selected Interval	The Connector IFlow reads OAuth credentials and API Key from Security Material in CPI
8	If the number of records retrieved is equal to the maximum number, the end time value is updated with the latest date stamp in the retrieved Supplier records	By changing the end time, and then persisting it, the next run of the Integration will then select the remaining changes up to the maximum limit

9	The IFlow makes a Synchronous call to the Ariba Master Data Connector IFlow Ariba_Master_Data_API_Connector to retrieve Users that have changed - created, updated and archived - in the selected interval	The filter parameter used in the API is the TimeUpdate . The maximum number of records to be selected are defined by the Externalised parameter Maximum Users to Process (default value 1000) Header fields that are passed to the Connector are: <ul style="list-style-type: none"> • aribaUriPath - URL path to get Users • aribaUriQuery - selection parameters
10	The Connector IFlow calls the Ariba Master Data Retrieval API to get Users that have changed - created, updated or archived - in the selected Interval	The maximum user count should be set to a significant higher number. A default value of 1000 is therefore set which is much higher than the number of records expected in a day (15)
11	Once Organisations and User details are received, the IFlow arranges the payload to wrap Users with Organisation data	The response can contain User records but not the Organisation that the User belongs to. Since the User record also contains the Supplier Id, this is used to arrange Users that belong to the same Organisation.
12	The payload is split by the Organisation ID, and each record is sent to the JMSQueue for Replication to Keelvar	The ProcessDirect path the IFlow to process the message is again defined by Header field jmsProcessDirectPath . See the Sequence Diagram below for the Replication Process.

Sequence Diagram 2: Replicate Supplier to Keelvar

This part of the Interface validates the Supplier Information retrieved from Ariba and, if requires, updates the information to Keelvar.

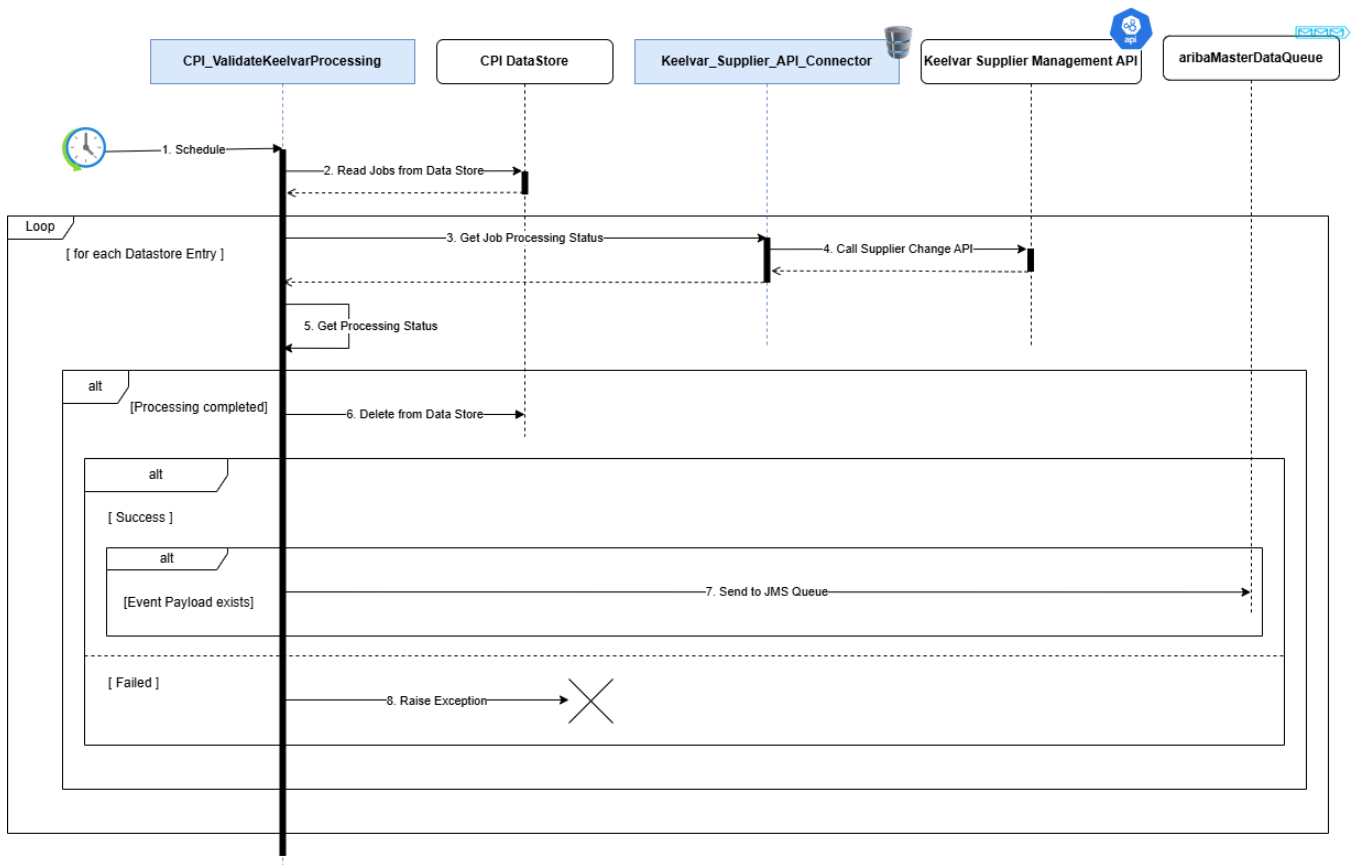


	Description	Comment
1	IFlow JMS_MasterData_Router reads message containing Supplier Data	The Router checks if the message is a Retry, and if the Retry Counter is higher than the defined threshold, the message is pushed to the Dead Letter Queue
2	The Router forwards the message to the ProcessDirect path defined in IFlow JMS_to_Keelvar_ReplicateSupplierData	Header field is defined in jmsProcessDirectPath .

3	IFlow JMS_to_Keelvar_ReplicateSupplierData calls Keelvar Supplier API Connector to check if the Supplier record exists	As per CR-347, only existing suppliers are updated via this Interface. See ERP-108 on how suppliers not existing in Keelvar are created during Event Creation Process. Header fields passed to the Connector are: <ul style="list-style-type: none"> • keelvarUriPath - Supplier Changes endpoint
4	Keelvar Supplier API Connector forwards the call to Keelvar Supplier Management API. If the Supplier does not exist, integration terminates successfully.	If the supplier exists, the returned code includes the record of the Supplier, otherwise, a blank response is received. The Connector IFlow read the Keelvar API key from Security Material in CPI
5	If the Organisation is flagged as Inactive, the IFlow prepares the archive payload and calls the Keelvar Supplier API Connector	The Archive flag in the payload is set as true
6	Keelvar Supplier API Connector calls the Supplier Management API to Update the Supplier Record	Supplier Update end point of the Keelvar Supplier API URL path is used in this step
7	If the Organisation is Active and if there are no Users associated or at least one Active User, the IFlow prepares the Create/Update payload with the first Active User details as the Contact and calls the Keelvar Supplier API Connector	Contact node of the Supplier Changes endpoint is mapped. Same header fields as Step 3.
8	Keelvar Supplier API Connector calls the Supplier Management API to Update the Supplier Record	Supplier Update end point of the Keelvar Supplier API URL path is used in this step as well
9	If the Organisation is Active and the Payload contains only Inactive Users, the IFlow invokes the Ariba_Master_Data_API_Connector iFlow to get if there are any active Users in the Supplier in Ariba	Header fields that are passed to the Connector are: <ul style="list-style-type: none"> • aribaUriPath - URL path to get Organizations (Suppliers) • aribaUriQuery - Supplier ID
10	The Ariba Connector IFlow calls the Ariba Master Data Retrieval API to get Active Users defined for the Supplier Organisation	The Connector IFlow reads OAuth credentials and API Key from Security Material in CPI
11	If any Active Users are found, the IFlow prepares Supplier Update payload with the first Ariba User as the Contact, and calls the Keelvar Supplier Management API	Same Keelvar Supplier Management API URL path is used in this IFlow.
12	Keelvar Supplier API Connector calls the Supplier Management API to Update the Supplier Record	Supplier Update end point of the Keelvar Supplier API URL path is used in this step as well
13	if no Active Users are found, the IFlow prepares the Supplier Update payload with the first Ariba User as the Contact, adds the prefix "Inactive_" to Contact ID, and calls the Keelvar Supplier Management API	In Keelvar, this prefix acts as an indication that the Supplier record's Contact details are deactivated in Ariba Same Keelvar Supplier Management API URL path is used in this IFlow.
14	Keelvar Supplier API Connector calls the Supplier Management API to Update the Supplier Record	Supplier Update end point of the Keelvar Supplier API URL path is used in this step as well
15	The IFlow raises an exception	Notification of this exception is used as the indicator to reactivate or create Users in Ariba

Sequence Diagram 3: Validate Supplier Processing Keelvar

This part of the Interface checks the Processing status of the Supplier update in Keelvar. If the Supplier Creation was triggered by ERP-108, then this also triggers the process to complete the Event Creation in Keelvar.



	Description	Comment
1	Scheduler in CPI initiates the IFlow CPI_ValidateKeelvarProcessing	The schedule is set to run every 5 minutes
2	The IFlow checks if there are any Jobs awaiting Validation by reading the Data Store entries	The jobs are saved via either via JMS_to_Keelvar_ReplicateSupplierData (See Sequence Diagram 2 above) or via JMS_to_Keelvar_ReplicateSourcingEvents (See ERP-108). A maximum of 10 jobs (Configurable) per run is loaded per interface run
3	For each Job found, CPI calls the Keelvar Supplier API Connector with the Job Guid retrieved from DataStore Entry	The same Supplier Changes API endpoint is used in this step
4	The Connector calls Keelvar Supplier Management API and sends the respond containing the Processing status	The Response is forwarded to the IFlow
5	The IFlow analyses the Response payload and extracts the Processing Status	The Status shows that the job is completed successfully or with errors, or if the Job is still being processed.
6	If the job is completed, the IFlow calls the Datastore and deletes the specific entry	If still being processed, the entry is ignored, and will be rechecked in the next interface run
7	If the retrieved Job contains the Event payload, the Integration forwards the payload to JMS Queue for Event creation in Keelvar	The payload of the event is passed when the Supplier Creation Job was initiated by JMS_to_Keelvar_ReplicateSourcingEvents IFlow. This was implemented as part of CR-347.
8	If the Job is completed with Errors, then IFlow fails, raising an Exception	Manual intervention is required to validate the reasons for failure and rectify Data in Ariba and/ or Keelvar

Processing within Target

The Supplier details in Keelvar are updated as a background job.

Interface Dependency

Not Applicable

Interface Constraints

Rate Limit for Ariba Event Management API - (Requests): 5/second, 80/minute, 3500/hour

Rate Limit for Keelvar create/update Event API - Burst (120/hour), sustained (500/day)

Rate Limit for Keelvar Job API - Burst (30/min), sustained (600/hour)

Delivery Requirements

Scheduled task in CPI retrieves changes (new, updates and deactivations) ever every 10 minutes.

Delta or Full Load Requirements

All requests for creation and update of sourcing events are done via delta load since last run.

Interface Alert & Monitoring

The following should be monitored:

- API endpoints are available.
- Keelvar token expiration.
- Failures on inbound processing and outbound side need to be handled . Please check the Error Handling section.
- Messages are processed in reasonable time (XX elapse time).

Interface Reporting

Not Applicable

Language Requirements

Not Applicable

User Interface Requirements

Not Applicable

Volumetrics

Expected load for subsequent loads - 25 updates per day

Performance Consideration

Not Applicable

Error Handling

General error handling tips:

- SAP Cloud ALM (CALM) will be used to capture integration execution errors.
- To correct the error, the Ariba Administrator must ensure that the data inconsistency is resolved in the concerned system. Corrections done in Ariba Guided Sourcing will be picked up in the next Schedule Job cycle.
- Refer to this link for details on troubleshooting Error Messages Returned by the Event Management API: [Error Messages Returned by the Event Management API](#)
- Refer to this link for details on troubleshooting Error Messages Returned by Keelvar API: [Open API specification](#)

This integration has an Exception raised when there are no Active Users are maintained for a Supplier in Ariba - a rectification that needs to be done in Ariba. Once the Exception is raised

- Identify the Supplier ID from the Message Log in CPI
- Delete the message from JMS Queue
- Update the Supplier details in Ariba

Testing

How to Test

- Create/update a new Bidder and Bidder Contact in Ariba
- Deactivate a new Bidder and/or Bidder Contact in Ariba

Test Conditions and Expected Results

ID	Condition	Expected Results
1	Create a new Bidder in Ariba	A Supplier record should be created in Keelvar
2	Update the Bidder name, Contact Name or Email Address	The Supplier record should be updated in Keelvar
3	Deactivate a Bidder in Ariba	The Supplier record should be archived in Keelvar
4	Choose a supplier/bidder in Ariba with two contacts. Deactivate a contact for which the contact ID is not maintained in Keelvar	The Supplier record should be updated with the Contact ID of the second contact
5	Deactivate all contacts for a supplier/bidder	The supplier record should be archived and the contact ID should be prefixed with the word Inactive

Test Considerations/Dependencies

Not Applicable

Other Information

Development Details

Package

Package Name	Parent Package
Ariba to Keelvar - Master Data Integration	N/A

Other Objects

Object Type	Object Name	Configuration Parameters				Comment
		Name	Value - Development	Value - Test	Value - Production	
IFlow	Ariba_Master_Data_API_Connector	Ariba Base URL	eu.openapi.ariba.com/api/sourcing-mds-search/v1/prod			Configurable base URL for Master Data Retrieval API
		Credential Name	OAuth_Ariba_Sourcing_MasterData_API			OAuth Credential for the Application created for Supplier Integration
		Ariba API Delay	2			Pause interval Rate-limit is reached
		Ariba Realm	745255310-SS-T	744368466-T		Ariba Tenant Identifier
		Ariba API Key	APIKEY_AribaMasterData_CPI_Dev			API Key for the Application created for Supplier Integration

IFlow	Keelvar_Supplier_API_Connector	Keelvar Supplier API Base URL	test.keelvar.dev/api	my.keelvar.com/api	Keelvar API URL
		Keelvar API Key Security Material	KeelvarToken_Dev	KeelvarToken_Prod	Security Material in CPI containing the Keelvar API Token
IFlow	JMS_MasterData_Router	Queue Name	aribaMasterDataQueue		Main Processing JMS Queue Name
		Maximum Retries Allowed	2		Maximum retries before moving to DLQ (Configurable)
		Dead Letter Queue Name	DLQ_aribaMasterDataQueue		Dead Letter Queue name
IFlow	Ariba_to_JMS_InitiateSupplierDataReplication	Receiver IFlow Process Direct Path	/ariba-suppliers/trigger		Path to the downstream IFlow that extracts changed data
		Queue Name	aribaMasterDataQueue		Main Processing JMS Queue Name
IFlow	JMS_to_JMS_SelectSupplierDataForProcessing	Data Store Name	Sourcing_Runtime_Collection		Data store containing the runtimes
		Last Runtime Entry Name	Supplier_LastRun_Timeslice		Data Store entry for Master Data Integration Runtimes
		Queue Name	aribaMasterDataQueue		Main processing JMS Queue
		Ariba Master Data Connector ProcessDirect	/ariba/masterData/connector		Path to Ariba Master Data Connector IFlow
		Receiver ProcessDirect Path	/keelvar/supplier/update		Path the IFlow that updates Keelvar Suppliers
		Maximum Suppliers to Process	100		The maximum number of new and changed Suppliers to be selected per API
		Maximum Users to Process	1000		The maximum number of new and changed Users to be selected per API
		Initial Starting Epoch Time	1770289876000	To be calculated when Activating	To be calculated when Activating
IFlow	JMS_to_Keelvar_RepliateSupplierData	Ariba Master Data Connector Path	/ariba/masterData/connector		Path to Ariba Master Data Connector IFlow
		Keelvar Supplier API Connector Path	/keelvar/supplier/connector		Path to Keelvar Supplier Management API Connector IFlow
		Data Store for Keelvar Job Processing	KeelvarSupplierProcessingResponses		Data Store where the Keelvar Job Creation details are retrieved from.
IFlow	CPI_ValidateKeelvarProcessing	JMS Queue Name	aribaEventMgtQueue		Ariba Event Management JMS Queue, where Event payload will sent to
		Keelvar Supplier API Connector Path	/keelvar/supplier/connector		Path to Keelvar Supplier Management API Connector IFlow
		Data Store for Keelvar Job Processing	KeelvarSupplierProcessingResponses		Data Store where the Keelvar Job Creation details are retrieved from.
		Event Create ProcessDirectPath	/events-to-keelvar/eventPayload		The Process Direct path to the IFlow which initiates Event Creation

Appendix

API Examples

	IFlow	Curl	Sample Payloads
1	JMS_to_JMS_SelectSupplierDataForProcessing	<pre>curl --location 'https://eu.openapi.ariba.com/api/sourcing-mds-search/v1/prod/entities/organizations?%24filter=((TimeUpdated%20gt%20dateTime))&%24includeInactive=true' \ --header 'Accept-Language: en' \ --header 'X-Realm: ARIBA_REALM_ID' \ --header 'Accept: application/json' \ --header 'Authorization: Bearer ARIBA_TOKEN' \ --header 'apiKey: ARIBA_API_KEY'</pre>	N/A

2		curl --location 'https://eu.openapi.ariba.com/api/sourcing-mds-search/v1/prod/entities/users?%24filter=(PasswordAdapter%20eq%20%27SourcingSupplierUser%27%20and%2TimeUpdated%20gt%20dateTime) \\ --header 'Accept-Language: en' \\ --header 'X-Realm: ARIBA_REALM_ID' \\ --header 'Accept: application/json' \\ --header 'Authorization: Bearer 2ARIBA_TOKEN' \\ --header 'apiKey: ARIBA_API_KEY'	N/A
3		curl --location 'https://eu.openapi.ariba.com/api/sourcing-mds-search/v1/prod/entities/users?%24filter=((PasswordAdapter%20eq%20%27SourcingSupplierUser%27%20andTimeUpdated%20gt%20dateTime))&%24includeInactive=true' \\ --header 'Accept-Language: en' \\ --header 'X-Realm: ARIBA_REALM_ID' \\ --header 'Accept: application/json' \\ --header 'Authorization: Bearer ARIBA_TOKEN' \\ --header 'apiKey: ARIBA_API_KEY'	N/A
4	JMS_to_Keelvar_ReplicateSupplierData	curl --location 'https://test.keelvar.dev/api/manage/supplier_changes' \\ --header 'Authorization: Bearer YOUR_API_KEY' \\ --header 'Content-Type: application/json' \\ --data-raw 'PAYLOAD_CREATED_AS_ABOVE_JSON';	Create or Update Active Supplier: Archive Supplier: Create or Update Active Supplier Contact: Inactivate Supplier Contact:
5		curl --location 'https://eu.openapi.ariba.com/api/sourcing-mds-search/v1/prod/entities/users?%24filter=((PasswordAdapter%20eq%20%27SourcingSupplierUser%27%20andOrganization.SystemID%20eq%20%27<SystemID>%27))' \\ --header 'Accept-Language: en' \\ --header 'X-Realm: ARIBA_REALM_ID' \\ --header 'Accept: application/json' \\ --header 'Authorization: Bearer ARIBA_TOKEN' \\ --header 'apiKey: ARIBA_API_KEY'	N/A

See also

File	Modified
File drawio-backup-Ariba_Keelvar_Supplier_Interface-rev-2 draw.io diagram backup	Feb 24, 2026 by EPASINGHE-ext, Kapila
File Ariba_Keelvar_Supplier_Interface draw.io diagram	Feb 17, 2026 by MUKHOPAD HYAY-ext, Aakshita
File -Ariba_Keelvar_Supplier_Interface.tmp draw.io Draft	Feb 17, 2026 by MUKHOPAD HYAY-ext, Aakshita
File Validate Supplier Creation Job in Keelvar draw.io diagram	Feb 17, 2026 by EPASINGHE-ext, Kapila
File -Validate Supplier Creation Job in Keelvar.tmp draw.io Draft	Feb 17, 2026 by EPASINGHE-ext, Kapila
File Keelvar Supplier Update draw.io diagram	Feb 16, 2026 by EPASINGHE-ext, Kapila
File -Keelvar Supplier Update.tmp draw.io Draft	Feb 16, 2026 by EPASINGHE-ext, Kapila
File IFlow-Sequence draw.io diagram	Jan 23, 2026 by EPASINGHE-ext, Kapila
Microsoft Word Document R2_Ariba Guided Sourcing_Keelvar_ERP-224_Functional_Acceptance_Test Evidence.docx Functional Acceptance Testing Evidence	Nov 26, 2025 by MOHAMMAD-ext, Farhan
File -IFlow-Sequence.tmp draw.io Draft	Oct 30, 2025 by EPASINGHE-ext, Kapila

[Download All](#)



Change log

Version	Published	Changed By	Comment
CURRENT (v. 44)	Apr 21, 2026 13:47	WENNINGER-ext, Sascha	
v. 43	Feb 26, 2026 11:54	EPASINGHE-ext, Kapila	Reverted from v. 41
v. 42	Feb 17, 2026 09:38	EPASINGHE-ext, Kapila	Minor updates for grammer and spelling
v. 41	Feb 17, 2026 09:22	MUKHOPADHYAY-ext, Aakshita	
v. 40	Feb 17, 2026 09:20	MUKHOPADHYAY-ext, Aakshita	
v. 39	Feb 17, 2026 09:17	MUKHOPADHYAY-ext, Aakshita	
v. 38	Feb 17, 2026 09:08	MUKHOPADHYAY-ext, Aakshita	
v. 37	Feb 17, 2026 07:31	MUKHOPADHYAY-ext, Aakshita	
v. 36	Feb 17, 2026 07:28	MUKHOPADHYAY-ext, Aakshita	
v. 35	Feb 17, 2026 07:24	EPASINGHE-ext, Kapila	

[Go to Page History](#)

Workflow history

This view shows the 5 most recent entries. The complete workflow log is available from the 'Document Activity' menu item.

Apr 21, 2026	Actor	Type	Activity	Version
Approved	WENNINGER-ext, Sascha	State	changed state to Approved at 1:47 pm	v44
Revision under Review	WENNINGER-ext, Sascha	State	gave <i>Minor change</i> approval at 1:47 pm <i>formatting changes</i>	
		State	changed state to Revision under Review at 1:47 pm	v44
Revision in progress	WENNINGER-ext, Sascha	State	changed state to Revision in progress at 1:47 pm	v44
From Feb 26, 2026 to Apr 21, 2026				
Approved	EPASINGHE-ext, Kapila and WENNIN GER-ext, Sascha	Edit	multiple updates from  EPASINGHE-ext, Kapila and WENNINGER-ext, Sascha	
	 TILBEE-ext, Amanda	State	changed state to Approved at 11:10 am	v43