



Feature at a Glance

Enhancements to ERP integration error handling and error display for supplier data

David Leonard, SAP Ariba
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CONFIDENTIAL

Feature at a Glance

Ease of implementation  Low touch / simple
Geographic relevance  Global

Introducing: Enhancements to ERP integration error handling and error display for supplier data

Customer challenge

ERP Integration within Supplier Lifecycle and Performance is a critical area to configure, monitor, and track. Delays caused by integration errors can effect desired business outcomes and processes – delays that must be mitigated or eliminated as much as possible.

Meet that challenge with SAP Ariba

With this enhancement SAP Ariba is providing two separate features to assist with monitoring and processing supplier integration messages. Each feature will be dealt with separately in this presentation. The first concerns schema validation of the replication message itself which will add flexibility to managing your outbound queue, resulting in more efficient processing of otherwise proper messages. The second feature consists of an email notification targeted at your administrative user, alerting them daily to any replication errors.

Experience key benefits

- Increased flexibility for handling/ignoring integration validation errors.
- Allow proper integration messages to flow through to ERP, with ability to hold any with errors for further action.
- Proactive/Daily alerts for integration errors to better spur administrative action.

Solution area

SAP Ariba Supplier Lifecycle and Performance (SLP)

SAP Ariba Supplier Information and Performance Management (SIPM) New Architecture

SAP Ariba Strategic Sourcing Suite

Implementation information

To have this feature enabled, please have your Designated Support Contact (DSC) submit a **Service Request (SR)**.

Prerequisites and Restrictions

These features are only applicable to customers who have implemented Business Partner Replication Request integration to their SAP ECC, MDG, or S/4 HANA On-Premise systems.

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Replication Message Schema Validation

- This feature provides tools for proactively identifying and managing schema validation errors in Business Partner replication integration messages. SAP Ariba automatically validates outbound messages against the default SAP business partner WSDL and identifies schema validation errors.
- Previously, errors showed in a small popup and did not prevent SAP Ariba from sending the messages to the ERP system. Customer administrators typically only discovered schema validation errors after validation checks in SAP ERP caused the message outbound to fail and blocked further synchronization of the supplier.
- With this feature, SAP Ariba now blocks any messages with validation errors from the outbound message queue. New error management tools let customer administrators ignore errors that do not apply to their business partner schema configuration or fix them before synchronizing the supplier to the ERP system.

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ERP Integration Status

The screenshot displays the 'ERP integration message status' interface. On the left is a navigation menu with items: Data import or export, Default field values, ERP Integration, ERP integration status, Mass invite, Supplier data, Questionnaires, Inactive Suppliers, Other settings, Rename realm, Auto migration, and Cancel qualification. The main area contains filters for Message direction (Inbound and o...), Time range (One hour), Status (All), and Message type (All). Below these are input fields for SM Vendor ID and UUID, a Search button, and a toggle for 'Show only entries with potential XML errors'. A table below shows one entry with columns: Direction, Creation date, Updated date, Status, Type, SM Vendor ID, Message UUID, Related UUID, Errors, and XML. The 'View Errors' button in the Errors column is highlighted with a red box.

ERP integration message status

Message direction: Inbound and o...
Time range: One hour
Status: All
Message type: All

SM Vendor ID: _____ UUID: _____ Search

Show only entries with potential XML errors

Filter by SM Vendor ID: Total Items: 1

Direction	Creation date	Updated date	Status	Type	SM Vendor ID	Message UUID	Related UUID	Errors	XML
Outbound	Jun 14, 2019, 4:16 PM	Jun 14, 2019, 4:16 PM	Ready <input type="checkbox"/> X Mark Failed	Request_In	S1006006	00ac4451-26a1-41e4-b2da-7fc990dacf21		View Errors	Payload

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Schema validation errors

Error Messages

Schema Validation Errors (4) Ignored validation errors (1)

Currently ignored errors are labeled. One error can have two entries, one for field name and one for data type. Select both the entries to ignore the error.

VALIDATION ERRORS

<input type="checkbox"/>	cvc-maxLength-valid: Value 'A laptop computer (also shortened to just laptop; or called a notebook computer is a small, portable i' with length = '103' is not facet-valid with respect to maxLength '40' for type 'LANGUAGEINDEPENDENT_MEDIUM_Name'. at line 47 - IGNORED
<input type="checkbox"/>	cvc-type.3.1.3: The value 'A laptop computer (also shortened to just laptop; or called a notebook computer is a small, portable i' of element 'FirstLineName' is not valid. at line 47
<input type="checkbox"/>	cvc-maxLength-valid: Value 'In botany, a tree is a perennial plant with an elongated stem, or trunk, supporting branches and leaves' with length = '103' is not facet-valid with respect to maxLength '40' for type 'LANGUAGEINDEPENDENT_MEDIUM_Name'. at line 48 - IGNORED
<input type="checkbox"/>	cvc-type.3.1.3: The value 'In botany, a tree is a perennial plant with an elongated stem, or trunk, supporting branches and leaves' of element 'SecondLineName' is not valid. at line 48

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How to Ignore the schema validation errors

The screenshot displays the 'Error Messages' dialog in SAP. It is divided into two tabs: 'Schema Validation Errors (4)' and 'Ignored validation errors (2)'. The 'Schema Validation Errors' tab is active, showing a list of errors under the heading 'VALIDATION ERRORS'. The list contains four entries, each with a checkbox on the left. The first three entries have their checkboxes unchecked, while the fourth entry, 'cvc-type.3.1.3: The value 'In botany, a tree is a perennial plant with an elongated stem, or trunk, supporting branches and leaves' of element 'SecondLineName' is not valid. at line 48', has its checkbox checked. A red circle with the number '1' is placed next to this checked checkbox. A modal dialog titled 'Ignore validation error' is overlaid on top of the error list. The dialog contains the text: 'Are you sure you want to ignore these validation errors? Outbound integration messages include ignored errors.' Below the text are two buttons: 'Cancel' and 'Confirm'. The 'Confirm' button is highlighted with a red rectangle and a red circle with the number '3'. At the bottom right of the 'Error Messages' dialog, there are two buttons: 'Ignore' and 'Cancel'. The 'Ignore' button is highlighted with a red rectangle and a red circle with the number '2'. The 'Confirm' button in the modal dialog is also highlighted with a red rectangle and a red circle with the number '3'.

Checkbox	Error Message
<input type="checkbox"/>	cvc-maxLength-valid: Value 'A laptop cor... 'LANGUAGEINDEPENDENT_MEDIUM_N...
<input type="checkbox"/>	cvc-type.3.1.3: The value 'A laptop comp...
<input type="checkbox"/>	cvc-maxLength-valid: Value 'In botany, a tree is a perennial plant with an elongated stem, or trunk, supporting branches and leaves' with length = '103' is not facet-valid with respect to maxLength '40' for type 'LANGUAGEINDEPENDENT_MEDIUM_Name'. at line 48 - IGNORED
<input checked="" type="checkbox"/>	cvc-type.3.1.3: The value 'In botany, a tree is a perennial plant with an elongated stem, or trunk, supporting branches and leaves' of element 'SecondLineName' is not valid. at line 48

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Ignored validation errors

Error Messages

Schema Validation Errors (4) **Ignored validation errors (2)**

Validation errors that include either the elements listed here (for all data types) or data types listed here (for all elements) are currently ignored.

VALIDATION ERRORS	
<input type="checkbox"/>	(.*)FirstLineName'(.*)
<input type="checkbox"/>	(.*)LANGUAGEINDEPENDENT_MEDIUM_Name'(.*)

Stop Ignoring Cancel

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How to Stop Ignoring the schema validation errors

The screenshot displays the 'Error Messages' dialog in SAP. It features two tabs: 'Schema Validation Errors (4)' and 'Ignored validation errors (2)'. The 'Ignored validation errors' tab is active, showing a table of validation errors. The first error is '(*)'FirstLineName'(*)' and the second is '(*)'LANGUAGEINDEPENDENT_MEDIUM'. The second error is marked with a red circle containing the number '1'. A modal dialog titled 'Stop Ignoring validation errors' is overlaid on the table. The dialog asks, 'Are you sure you want to stop ignoring these validation errors? Outbound integration messages are not sent until validation errors are fixed.' and includes 'Cancel' and 'Confirm' buttons. The 'Confirm' button is marked with a red circle containing the number '3'. In the bottom right corner of the 'Error Messages' dialog, there are 'Stop Ignoring' and 'Cancel' buttons, with the 'Stop Ignoring' button marked with a red circle containing the number '2'.

VALIDATION ERRORS	
<input checked="" type="checkbox"/>	(*)'FirstLineName'(*)
<input checked="" type="checkbox"/> 1	(*)'LANGUAGEINDEPENDENT_MEDIUM

Stop Ignoring validation errors

Are you sure you want to stop ignoring these validation errors ?
Outbound integration messages are not sent until validation errors are fixed.

3

Cancel Confirm

2

Stop Ignoring Cancel

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Special Note

Behavior

- Each schema validation error is listed as two separate entries in the table
 - One for the element
 - One for the type
- To properly ignore a validation error, the SM ERP admin user has to select *both* entries for that particular error

Restriction

- Schema validation errors can be ignored *only* at the element/type level and *not* at the validations (maxlength/minlength/regex pattern) level. When a validation error is ignored, *all other validation errors* for the same element/type for any validations (maxlength/minlength/regex pattern) shall also be ignored.
- For example a user cannot choose to ignore the validation errors of an element (StreetPostalCode) for maxlength and choose *not* to ignore the validation errors for minlength/regex for the same element.

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Email Notification of ERP Integration Errors

Customer Challenge:

Today when supplier data replication from SLP to ERP fails, the integration status messages are only available in SM Administration -> ERP Integration status page. There is no failure email notification sent to the SM ERP administrator(s) to alert them to the issue – they must login directly to learn of any failures.

Meet That Challenge With:

This email notification enhancement will send the SM ERP administrator(s) a daily summary of all the failed integration messages that have occurred for the last 24 hrs. This allows the SM ERP administrator(s) to take appropriate and timely actions by logging in to the system to view the error details and reaching out to the users to correct the supplier data for more timely replication to ERP.

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Notification Settings (1/2)

The screenshot shows the SAP Ariba user interface. The top navigation bar includes the SAP Ariba logo, a 'Go To Dashboard' link, and user information for 'chad noll'. The left sidebar contains a menu with items such as 'Data import or export', 'Default field values', 'ERP Integration', 'ERP integration status', 'Mass invite', 'Supplier data', 'Questionnaires', 'Inactive Suppliers', 'Other settings', 'Auto migration', 'Cancel qualification', and 'Template upgrade'. The main content area is titled 'Set up ERP integration' and contains several configuration sections: 'Integration Type', 'Initial supplier synchronization', 'Supplier profile update synchronization', 'Ongoing supplier synchronization', and 'Update configuration values'. The 'Notification Settings' section at the bottom is highlighted with a red rectangular box.

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Notification Settings (2/2)

The screenshot shows the SAP Ariba user interface. The top navigation bar includes the SAP Ariba logo, a 'Go To Dashboard' link, and user information for 'chad noll'. A sidebar on the left lists various system functions such as 'Data import or export', 'Default field values', 'ERP Integration', 'Supplier data', and 'Inactive Suppliers'. The main content area displays a list of synchronization tasks, with 'Notification Settings' highlighted and expanded. This expanded view contains a text box explaining the notification feature: 'Enable notifications of synchronization failures to send daily email notifications with summary information about all of the integration messages that failed that day. All users in the SM ERP Administration group who have valid email addresses receive these notifications.' Below this text is a checked checkbox labeled 'Send daily notifications of synchronization failures' and two buttons: 'Save' and 'Cancel'.

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Email notification on the failed replication message

The screenshot shows an Outlook email window with the following content:

Subject: Action needed: Integration confirmation failure messages for supplier data on June 18, 2019 - Message (HTML)

From: Ariba Administrator <nobody@ansmtp.lab1.ariba.com>
Time: Tue 6/18/2019 6:04 PM

To: Moorthy, Kumar Raj

Hello KMOORTHY,

Here is a summary of the confirmation failure messages for supplier data integration with SAP Ariba in the last 24 hours. To see details, click [Click Here](#).

failure summary

S10098502 - jnm

Best,

SAP Ariba team

Callout: Clicking on the link will take the user to the Ariba login page

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Inbound failed messages viewed in ERP Integration status

The screenshot displays the SAP Ariba ERP Integration status page. The left sidebar contains navigation options such as 'Data import or export', 'Default field values', 'ERP Integration', 'ERP integration status', 'Mass invite', 'Supplier data', 'Questionnaires', 'Inactive Suppliers', 'Other settings', 'Auto migration', 'Cancel qualification', and 'Template upgrade'. The main content area shows a table of inbound messages with the following columns: Direction, Creation date, Updated date, Status, Type, SM Vendor ID, Message UUID, Related UUID, Messages, and XML. The table is filtered by SM Vendor ID. The highlighted row (indicated by a red border) shows a message with the following details:

Direction	Creation date	Updated date	Status	Type	SM Vendor ID	Message UUID	Related UUID	Messages	XML
Inbound	Jun 28, 2019, 11:6/28/2019 11:32:29 AM	Jun 28, 2019, 11:6/28/2019 11:32:29 AM	Completed <input type="checkbox"/> Reprocess <input type="checkbox"/> Mark Failed	Request_Out	S10106506	e04f4306-b079-1ed7-bfa4-e92AAA070488	66285aec-185c-4219-baac-592859dcec48		Payload
Inbound	Jun 19, 2019, 5:6/19/2019 5:44:57 PM	Jun 19, 2019, 5:6/19/2019 5:44:57 PM	Completed <input type="checkbox"/> Reprocess <input type="checkbox"/> Mark Failed	Confirmation_Out	S10006618	d26d964a-a955-4c1b-95db-c8eba0efdba9		View	Payload
Inbound	Jun 18, 2019, 4:6/18/2019 4:24:11 PM	Jun 18, 2019, 4:6/18/2019 4:24:11 PM	Completed <input type="checkbox"/> Reprocess <input type="checkbox"/> Mark Failed	Confirmation_Out	S10098502	dbf2e5cb-5746-46a4-b1f9-50e02a3404f0	3050568a-1083-1ed6-bbfb-1f353d687864	View	Payload
Inbound	Jun 10, 2019, 1:6/10/2019 1:19:21 PM	Jun 10, 2019, 1:6/10/2019 1:19:21 PM	Completed <input type="checkbox"/> Reprocess <input type="checkbox"/> Mark Failed	Confirmation_Out	S10098502	f933ee5e-77c4-4df7-aaae-a35a6328903a	3050568a-1083-1ed6-bbfb-1f353d687864	View	Payload
Inbound	Jun 10, 2019, 12:6/10/2019 12:09:30 PM	Jun 10, 2019, 12:6/10/2019 12:09:30 PM	Completed <input type="checkbox"/> Reprocess <input type="checkbox"/> Mark Failed	Request_Out	S10099312	5046fefb-5e14-4d05-ac89-106a0f746604	b0feadf0-ebfe-40d9-8ba6-51d56ef08bd8		Payload
Inbound	Jun 7, 2019, 2:6/7/2019 2:26:45 PM	Jun 7, 2019, 2:6/7/2019 2:26:45 PM	Failed <input type="checkbox"/> Reprocess	Confirmation_Out	S10016601	5b0ffcc-ed8f-4b04-87b1-44e4b23ee815		View	Payload