

SAP Integration Suite

Monthly Updates – May 2021

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Agenda



- Product Updates
 - Parameters of PGP Encryptor/Decryptor Dynamically Configurable
 - New Poll Enrich Integration Flow Step with SFTP Adapter
 - Kafka Adapter Connectivity Test
 - Define the Number of Concurrent Processes for JMS Queues in XI Adapter
 - New Message Status – ABANDONED
 - Latest integration flow design guidelines
 - Guided Beta Program for Integration Advisor
 - New API Business Hub Demo
 - **#AskAnythingIntegration**

Parameters of PGP Encryptor/Decryptor Dynamically Configurable

Assume that you like to send an encrypted and signed message to multiple receivers and use specific keys for each receiver.

Furthermore, assume that the receivers are determined at runtime from the content of the inbound message.

You can now configure the following parameters dynamically based on headers or properties to get the required encryption and signing key dynamically at runtime.

- PGP Encryptor: Encryption key user ID and signer user ID
See: [Define PGP Encryptor](#)
- PGP Decryptor: Public key user ID
See: [Define PGP Decryptor](#)

New Poll Enrich Integration Flow Step with SFTP Adapter

You can now use the new Poll Enrich flow step together with the SFTP sender adapter mainly for the following three use cases:

- You want to enrich the message payload with additional data retrieved from a file on the sftp server.
- You want to poll from an sftp server triggered by an external trigger, for example triggered via HTTP call.
- You need to poll from an sftp server but want to define the configuration in the sftp adapter dynamically, for example from a partner directory.

[Define Poll Enrich
Blog Post](#)

Kafka Adapter Connectivity Test

You can now perform connectivity tests for the Kafka adapter.

[Kafka Connectivity Tests](#)

Cloud Integration

Overview / Test Connectivity

TLSSSHFTPSMTPIMAPPOP3AMQPKafkaCloud Connector

Request

Host: *

Port: *

Timeout (in ms): *

Authentication: ☒ SASL
☐ Client Certificate

☒ Connect with TLS

SASL Mechanism: ☒ PLAIN
☐ SCRAM-SHA-256

Credential Name: *

Send

Response2021-05-25 08:36:49 UTC

✓ Successfully reached host at

Topics

d056568
i540738_4
d056568_dlq
e2etest_out
i540738
d056568_3
kafka_topic
et_tests_ext_topic
kafkaDemo
e2etest_in

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Define the Number of Concurrent Processes for JMS Queues in XI Adapter

You can now define the number of concurrent processes for JMS queues for the XI sender and the XI receiver.

[Configure the XI Sender Adapter](#)

[Configure the XI Receiver Adapter](#)

Note: Default number of concurrent processes is 1. Increase this number only if parallel processing is required for your scenario. However, be aware of the fact that, when processing large messages, a high number of concurrent processes can lead to out of memory problems.

New Message Status - ABANDONED

The new message status ABANDONED is set in the message processing logs, when the message processing is interrupted because of either of the following:

- Redeployment of an integration flow.
- Undeployment of an integration flow.
- A controlled worker node shutdown, or
- In case of hard worker node crashes, the status is changed by an asynchronous system job, after some time of inactivity

[Message Status](#)

Note: This status is not final and the processing might be resumed if retries are configured.

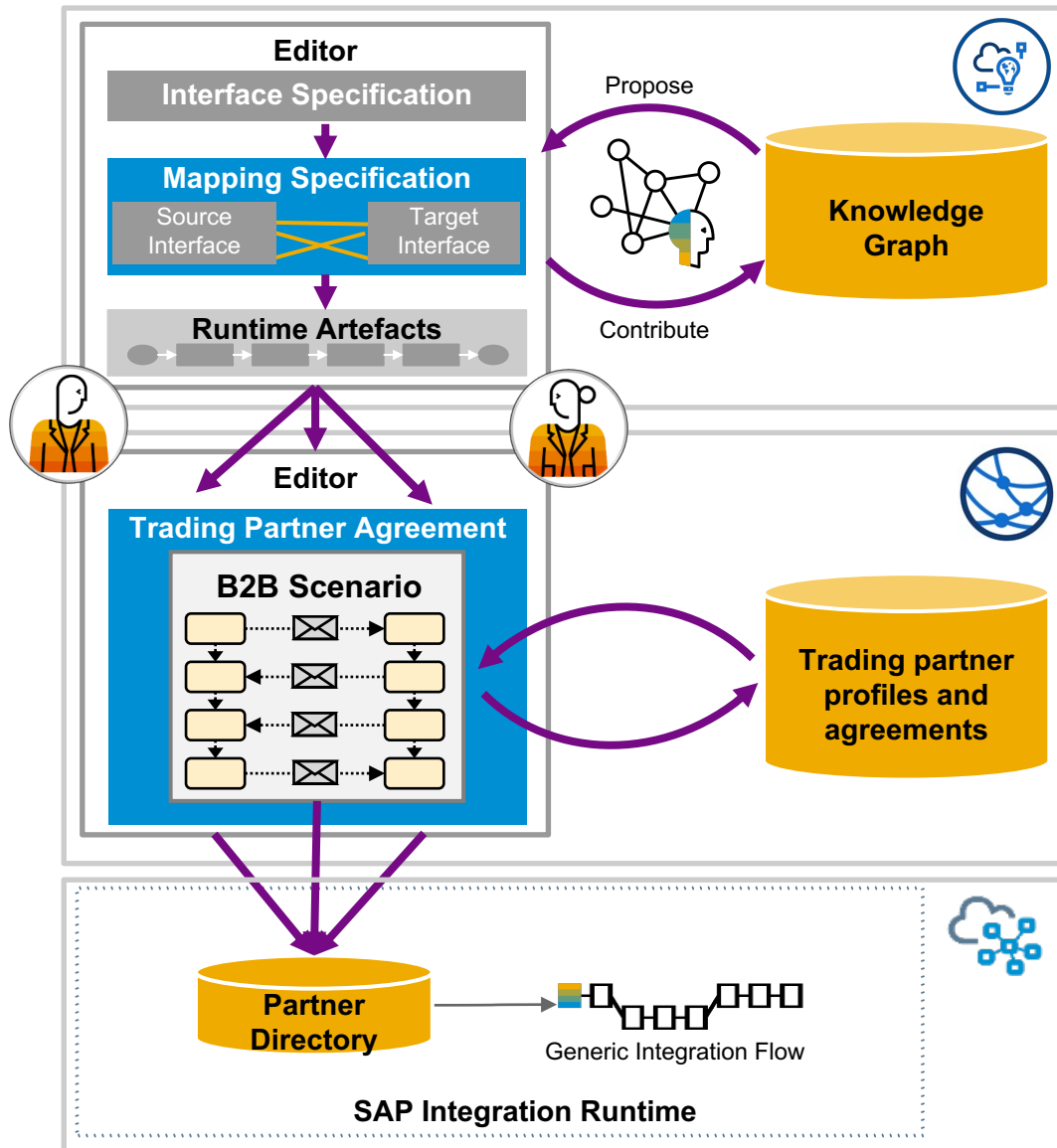
Latest integration flow design guidelines

New guidelines published in April & May

- Updates of misc. lifecycle management topics (versioning, editing, updating of integration packages, etc.)
- [Environment-specific aspects integration developers should know](#) (Neo vs. CF)
- [Define proper transaction handling](#)
- [Optimize memory footprint](#)
- [Naming conventions](#)

Scenario	Transaction required in main process	Transaction required in sub process	Transaction type
Delta load with last modified time stamp	No	n/a	n/a
Control database connections: sub process with two write operations	No	Yes	Required for JDBC
Control database connections: sub process with select and delete on completion	No	No	n/a
Splitter with JMS receivers	Yes	n/a	Required for JMS
JMS send step in reusable sub process	Yes	Yes	Required for JMS
Master data update with XI send steps	No	Yes	Required for JDBC
Master data update with JMS send steps	No	Yes	Required for JMS

Integration Advisor and Trading Partner Management at a Glance



Integration Advisor (IA)

- One stop shop for faster and flexible integration of interfaces for business data exchange from specifications to runtime artefacts
- Central documentation of B2B and SAP libraries
- Crowd-sourced proposal service with machine learning for interfaces and mappings
- Automatic generation of documentation and runtime artifacts
- Potential savings of 60%

Trading Partner Management (TPM)

- Create and maintain trading partner profiles with their individual B2B requirements
 - Interface specifications supported by Integration Advisor
- Develop templates of Trading Partner Agreements
 - Covering own B2B scenarios
 - Basis for trading partner agreements with trading partners
- Efficient mass creation and maintenance trading partner agreements between trading partners
 - Based on templates and automatically derive requirements from trading partner profiles
 - Mapping specifications supported by Integration Advisor
 - Enforce further individualization of B2B scenarios
- Push B2B scenario configuration to SAP Integration Runtime

TPM Supported Features (Beta Release)

TPM can be operated and maintained by tenant owner, only.

Integration content building (message structures (MIGs) and mappings (MAGs)) just via Integration Advisor

Generic B2B iFlows will be provided in the API Business Hub

Trading Partner Profiles (TPP)

- Per Company (tenant owner) and Trading Partner, including
- General partner information such as address, and contact
- Identifiers such as DUNS, LOCODE, etc.
- Communication parameters and certificates
- ...

Trading Partner Agreements (TPA)

- Trading partner specific agreements between company and trading partner
- Includes the agreed B2B scenarios with its choreography, supported B2B formats/standards, mappings (MAGs) and communication
- Automatic push of TPA configurations towards the Integration runtime into the Partner Directory
- ...

B2B Enablement Services for Beta Release Program

Guided beta release program together with an integration expert from IDG

Support on:

- Enablement and configuration of TPM system and B2B Monitoring
- Creation and finalization of TPPs (Trading Partner Profiles) and TPAs (Trading Partner Agreements) for
 - Supported B2B scenarios
 - Max. 10 trading partners per company
- Deploy on runtime and test

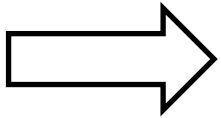
Timeline: September to November, 2021 (3 months)

TPM Scenarios for Enablement Services

- SAP S/4HANA – Sourcing and procurement, finance and sales (Purchase Order)
 - S/4HANA Cloud SOAP or S/4HANA on premise IDOC
 - Supplier: AS2 or IDOC
 - Supplier: X12 or EDIFACT
- SAP S/4HANA – Sourcing and procurement, finance and sales (Sales Order)
 - S/4HANA Cloud SOAP or S/4HANA on premise IDOC
 - Buyer: AS2 or SOAP
 - Buyer: X12 or EDIFACT

Curios? Interested in participating?

- You are interested in participating in the beta program with the enablement services?
- You are using the mentioned scenarios?
- You want to learn more about the TPM?



Send a mail to: marco.ertel@sap.com

Include some information of your company

Let us know why you think you fit in the beta program

The new API Business Hub - 4 weeks to go live

- What is new in the new design?
 - API Viewer
 - ODM Explorer
 - Switchable UI
- What will coming...
 - API Viewer with Try out
 - Resources
 - Business Process Groups view

Revisit: Discover integrations and Partner pages

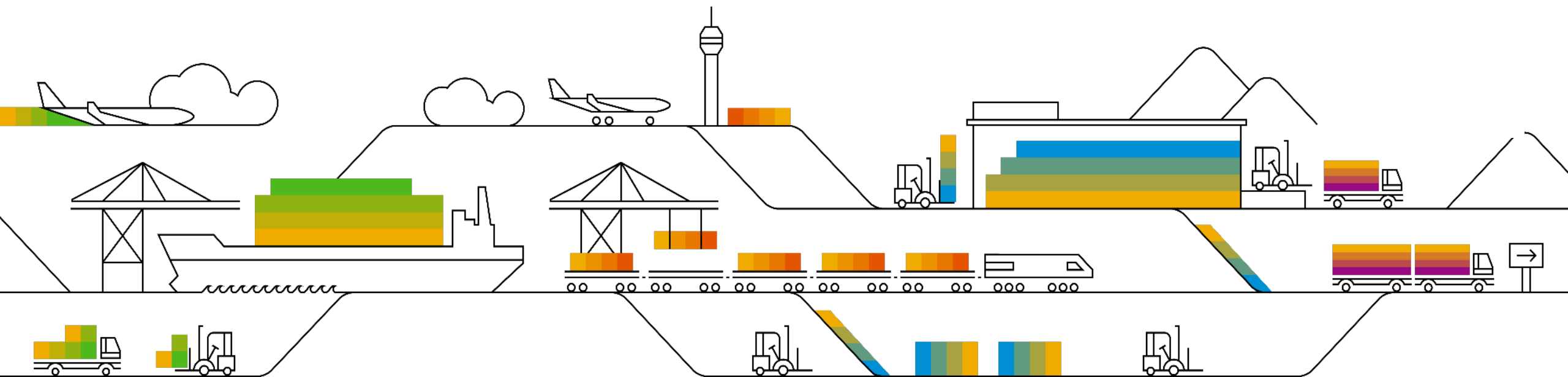
Invitation: “**Integration Black Belts**”

“Interact with Integration Blackbelts”

- Speakers from customers / partners / stakeholders / consultants to share their innovations, solution architecture, best practices and integration patterns
- 15-20 mins slot
- Interested to present?
 - Reach out to us - gautham.krishna@sap.com



#AskAnythingIntegration



What is #AskAnythingIntegration?

Provides a platform for customers, partners, consultants, and participants to ask their most important and top priority questions and get them answered by the panel of experts.

- Questions can be sent upfront or posted directly in the call
- Questions and answers will then be published as a public FAQ document with regular updates and additions

Panel of Experts: Speakers of the monthly webinar + Product Management team

Schedule: Runs every alternate month

Duration: 20 mins

Moderator: Gautham (gautham.krishna@sap.com)

Note: “Interact with #IntegrationBlackBelt” section will transition to alternate months.



Thank you.

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