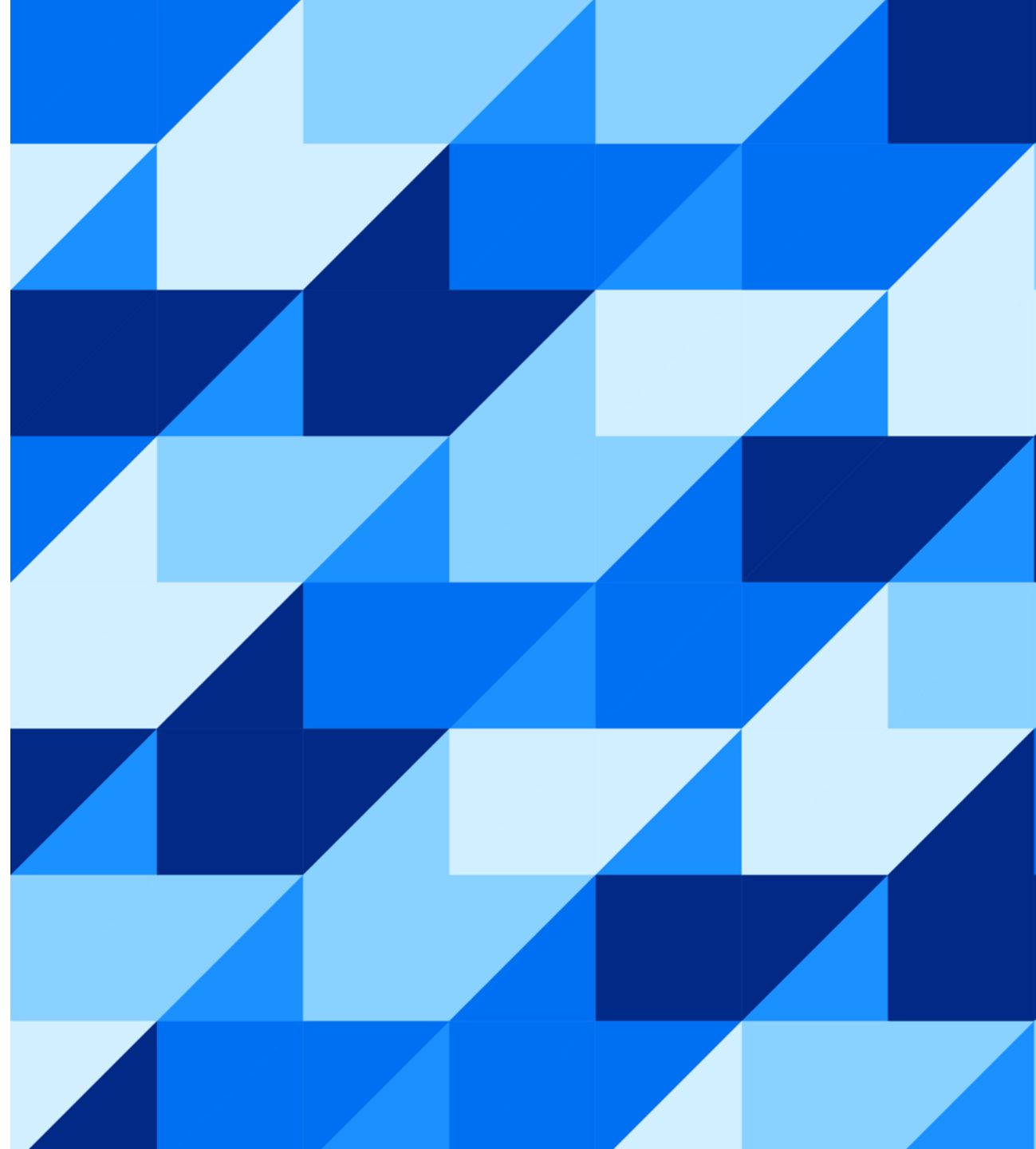




SAP Integration Suite Monthly Updates – November 2024

Product Management Team, SAP Integration Suite
Month 11, 2024

PUBLIC



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Agenda

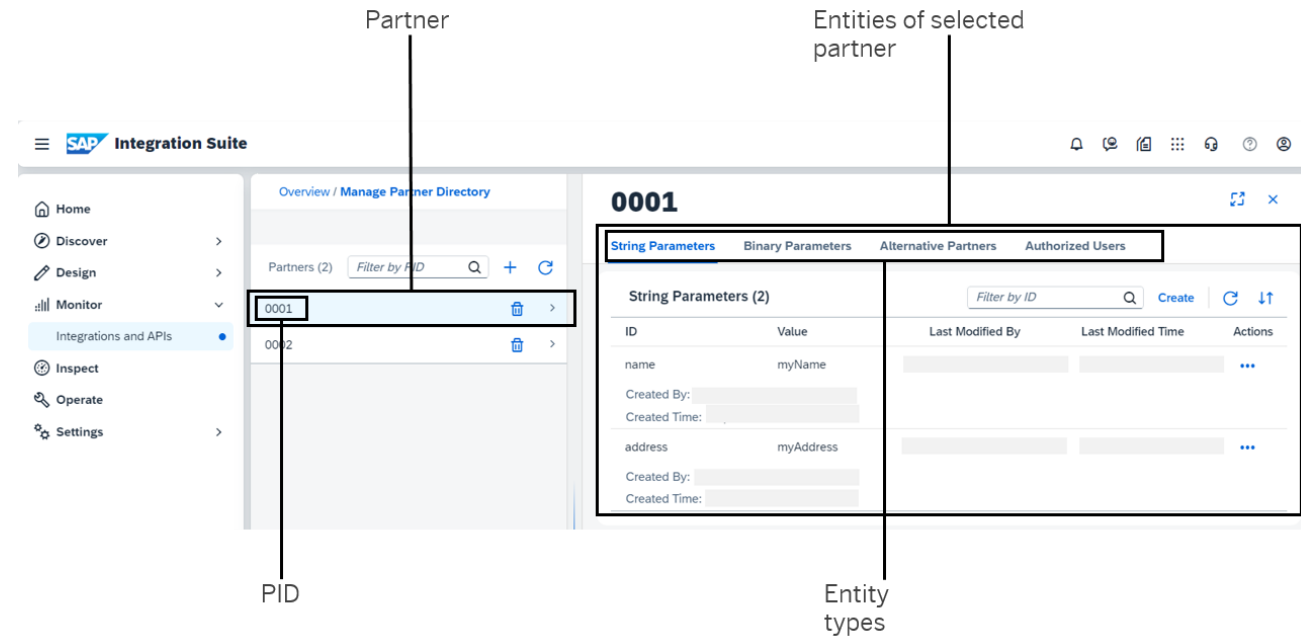
- Cloud Integration
- B2B : Trading Partner Management
- Pipeline Concept for Cloud Integration
- Third Party Connectivity with Adapters for SAP Integration Suite

Cloud Integration

Partner Directory UI

- Partner Directory entries can be used to parameterize integration flows with partner-specific parameters that are centrally stored in the Partner Directory.
- This enables dynamic integration flow parameters, allowing new partners to be added without redeployment.
- With this feature, you can now manage the contents of the Partner Directory by creating new entries, as well as editing and deleting existing ones.

See: [Managing Partner Directory Entries](#)



Object	Operation	More Information
Partner	Add	Add Partner
	Delete	Delete Partner
Partner entity (such like string parameter, binary parameter, alternative partner, or authorized user)	Create	Create Partner Directory Entity
	Edit	Edit Partner Entity
	Copy	Copy Partner Entity
	Delete	Delete Partner Entity

Migration Tooling Improvements

With this increment, you can:

- A new migration pattern – Content-Based Routing pattern – is introduced. See [Content-Based Routing](#).
- Migration of message mapping objects with **Simple Type** parameter category of the type **Import**. See: [Known Limitations of Migration Tooling](#).

Other updates

- You can now use dynamic configurations for various fields in **CSV to XML Converter** using Headers, Properties, and Partner Directory.
See: [Configure CSV to XML Converter](#)
- You can now add or delete **Custom Key-Value Pair** for the **OAuth2 Client Credentials** Artifact.
See: [Deploying an OAuth2 Client Credentials Artifact](#)
- You can now modify **group number** and **transaction set number** segments in the functional acknowledgment message of **EDI Splitter**.
See: [EDI Splitter](#)

B2B : Trading Partner Management | Integration Advisor

B2B News – Integration Advisor

- direct support of EDI Files
- Envelope support

Create Message Implementation Guideline

1 Type Systems — 2 Messag — 3 Versio — **4 Envelop** — 5 Sample Payload

i Envelopes will only be visible in the list below after relevant content has been added to your system. The content will be released gradually over the next few days/weeks, starting with UN and Odette.

Envelopes of 'UN/EDIFACT'

None – Without Envelope	Use this to continue without usage of envelope
EnvelopeForMessagesS3 – Envelope for Messages (Syntax Versions 1/2/3)	Structure includes UNA/UNB/UNZ Segments
EnvelopeWithFunctionalGroupsS3 – Envelope with Functional Groups of Messages (Syntax Versions 1/2/3)	Structure includes UNA/UNB/UNZ + UNG/UNE Segments

Create Message Implementation Guideline

1 Type Systems — 2 Messag — 3 Versio — **4 Envelop**

Sample Payload

Payload File: *

Data Format: *

- EDI Flat File
- SAP Cloud Integration (XML)
- SAP Process Integration (XML)
- EDI Flat File

- Interchange** – Interchange
 - UNA** – Service string advice
 - > **UNB** – Interchange header
 - FunctionalGroup** – Functional Group
 - > **UNG** – Functional group header
 - > **ORDERS** – Purchase order message
 - > **UNE** – Functional group trailer
 - UNZ** – Interchange trailer
 - 0036** – Interchange control count
 - 0020** – Interchange control reference

B2B News – Trading Partner Management

- TPM: Suborganisations in companies
- TPM: Monitoring enhancements
 - Timezone
 - Payload for FACK and MDN
 - Configuration for acknowledgments and retries

Interchange Payload

```

UNB+UNOC:3+1234567890123:1+UNEDI_TP_E_XX:1+240923:1211+000000001+UN+00403
UNH+000000001+CONTRL:D:3:UN:EAN008'
UCI+000000001+UNEDI_TP_E_XX:1+1234567890123:1+7'
UNT+3+000000001'
UNZ+1+000000001'
    
```

Version: **Functional Acknowledgement Ser** ▼

- Functional Acknowledgement Sent
- Sender Interchange Received
- Receiver Interchange Assembled

Company Profile Partner Profiles Agreement Templates Agreements Partner Directory Data Cross Action

Company (1) [Create Subsidiary](#)

Name	Entity Type	Short Name
BestRun	Parent Company	BestRun

Interchanges (2)

Interchange Creation Date Time	Status	Error Category
September 23, 2024, 10:39:28 AM GMT+02:00	Failed	Interchange Transmission Failed
September 23, 2024, 10:21:35 AM GMT+02:00	Failed	Interchange Transmission Failed

Acknowledgement Configuration

Define the maximum waiting time for functional and technical acknowledgements. To know more, see [SAP Help Portal](#)

Technical Acknowledgement: 15 Minutes

Functional Acknowledgement: 30 Minutes

Pipeline Concept for Cloud Integration

Latest version 1.0.7 of the Process Integration Pipeline Concept for Cloud Integration

- Add **custom header properties** to improve message monitoring
- Allow headers starting with prefix **dc** for **passing dynamic configuration parameters** to the generic integration flows, e.g., to support header-based routing condition

See [blog post](#)

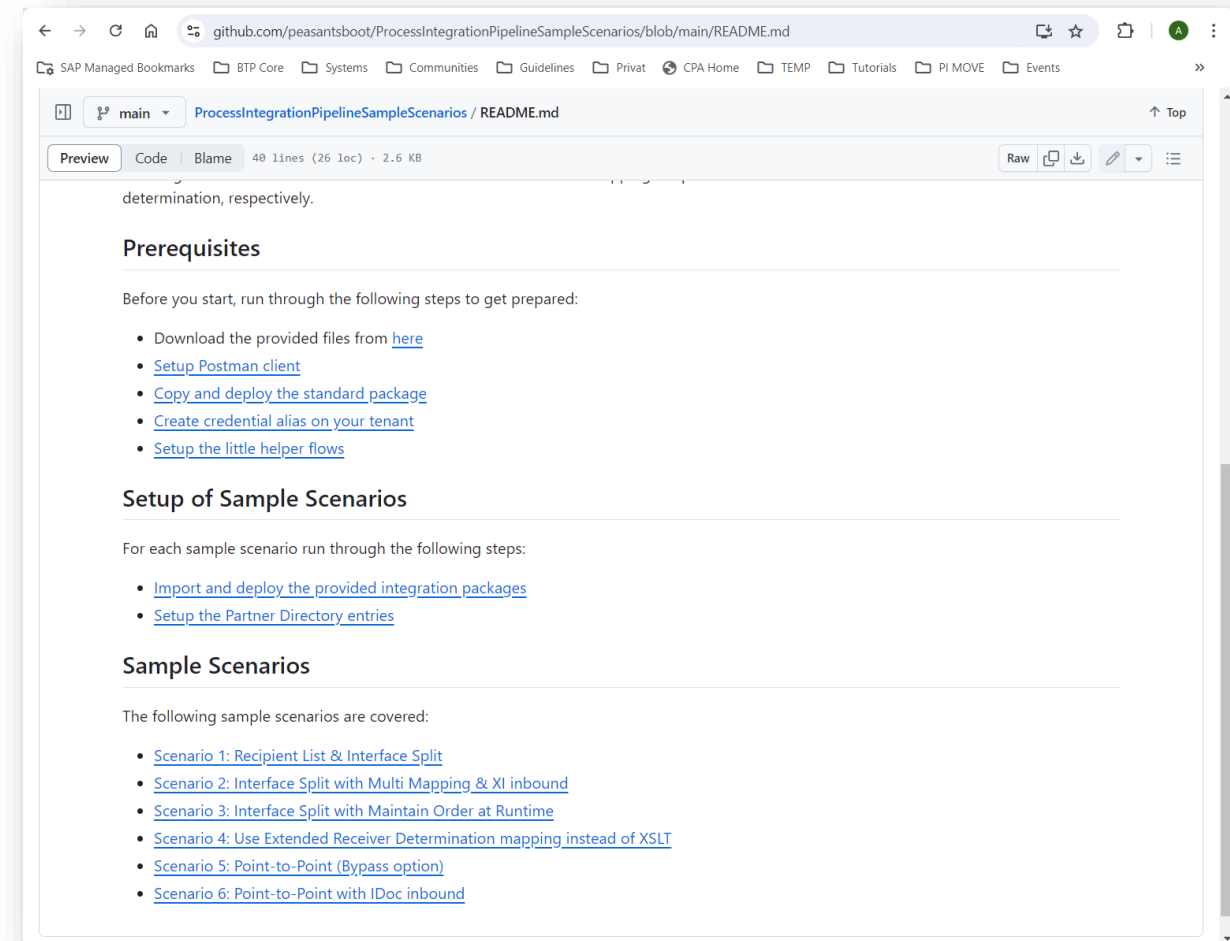
```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <xsl:stylesheet version="3.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
3   <!-- define header dc country -->
4   <xsl:param name="dc_country"/>
5   <xsl:template match="/">
6     <ns0:Interfaces xmlns:ns0="http://sap.com/xi/XI/System">
7       <xsl:if test="$dc_country = 'DE'">
8         <Interface>
9           <Index>1</Index>
10          <Service>/PIP/Step07/Samples/Scenario_1/Receiver_12/IfIdx1</Service>
11        </Interface>
12      </xsl:if>
13      <xsl:if test="$dc_country != 'DE'">
14        <Interface>
15          <Index>2</Index>
16          <Service>/PIP/Step07/Samples/Scenario_1/Receiver_12/IfIdx2</Service>
17        </Interface>
18      </xsl:if>
19    </ns0:Interfaces>
20  </xsl:template>
21 </xsl:stylesheet>
```

The screenshot displays the SAP Integration Suite interface for monitoring message processing. The main panel shows a list of messages with columns for Artifact Name and Status. The selected message is 'Pipeline Generic Step06 - Outbound Processing', which is completed. The 'Properties' section on the right shows message details including Message ID, Correlation ID, Sender, Receiver, and Application Message Type. A 'Custom Headers (3)' table is also visible, listing headers such as 'category', 'productId', and 'purchaseOrder'. The 'purchaseOrder' header has a value of '37201'. The interface includes a navigation sidebar on the left and a top navigation bar with various filters and search options.

Try it out

Github repository with **sample integration packages** and guideline how to setup the pipeline concept

<https://github.com/peasantsboot/ProcessIntegrationPipelineSampleScenarios>





Third Party Connectivity with Adapters for SAP Integration Suite

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SMB(Server Message Block) Adapter for Integration Suite



Authentication

User Credentials: Username and Password



Operation

Receiver: Create, Delete, Read, List, Rename File.
Create Directory. List Objects

Sender: Read File



Message Protocol

SMB



Advanced Features

Existing File Handling
Empty File Handling
Read Lock Strategy
Maximum File Size to Read
Post Read Processing

Sender Adapter Features

Operations:

- File: Read

Enable Encryption, DFS and Signing support

Re attempt support for Timeout

Existing File Handling: Append, Override, Fail and Ignore supported.

Empty File Handling: Ignore, Proceed with Empty File

Read Lock Strategy: Rename

Post Processing: Delete File, Keep File and Process Again, Move File

Receiver Adapter

Operations:

- File: Create, Delete, Read, List, Rename
- Directory: Create
- Objects: List

Enable Encryption, DFS and Signing support

Re attempt support for Timeout

Existing File Handling: Append, Override, Fail and Ignore supported.

Empty File Handling: Ignore, Proceed with Empty File

Read Lock Strategy: Rename

Demo

