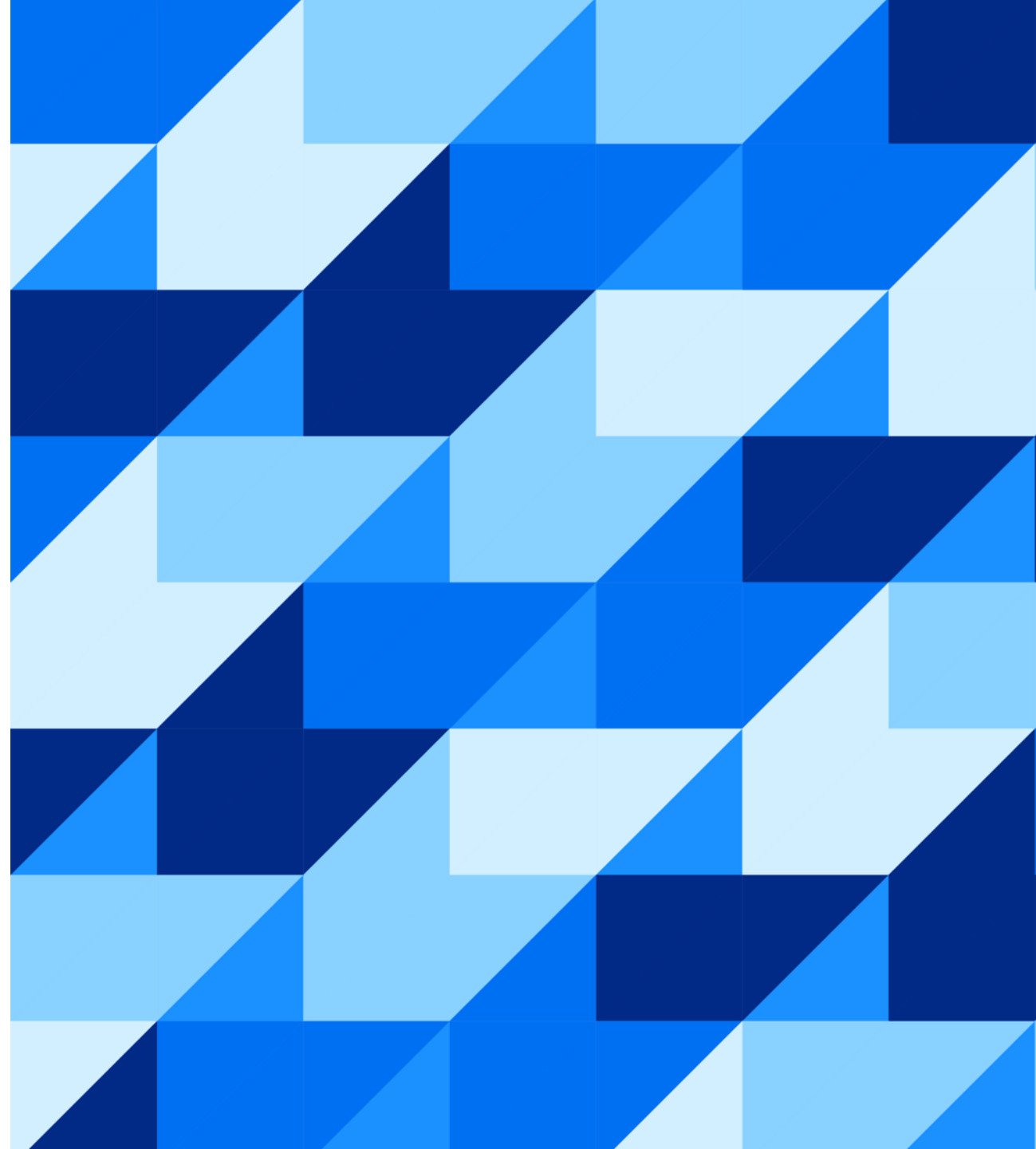# SAP Integration Suite Monthly Updates – April, 2025

Product Management Team, SAP Integration Suite
April , 2025

PUBLIC

Disclaimer

The information in this presentation is confidential and proprietary to SAP and may not be disclosed without the permission of SAP. Except for your obligation to protect confidential information, this presentation is not subject to your license agreement or any other service or subscription agreement with SAP. SAP has no obligation to pursue any course of business outlined in this presentation or any related document, or to develop or release any functionality mentioned therein.

This presentation, or any related document and SAP's strategy and possible future developments, products and or platforms directions and functionality are all subject to change and may be changed by SAP at any time for any reason without notice. The information in this presentation is not a commitment, promise or legal obligation to deliver any material, code or functionality. This presentation is provided without a warranty of any kind, either express or implied, including but not limited to, the implied warranties of merchantability, fitness for a particular purpose, or non-infringement. This presentation is for informational purposes and may not be incorporated into a contract. SAP assumes no responsibility for errors or omissions in this presentation, except if such damages were caused by SAP's intentional or gross negligence.

All forward-looking statements are subject to various risks and uncertainties that could cause actual results to differ materially from expectations. Readers are cautioned not to place undue reliance on these forward-looking statements, which speak only as of their dates, and they should not be relied upon in making purchasing decisions.

Agenda

Topic	Presenter
Onboarding	Joerg
Cloud Integration	Sunny
Integration flow design guidelines: EOIO	Alex
Migration tool enhancements	Alex
Google Cloud Storage Adaptor for Integration Suite	Swati Singh

Cloud Integration

Externalized Parameter Description

Problem Statement
- When creating externalized parameters in standard integration content, there was no way to describe these parameters.
- To educate users of the standard integration content, descriptions of the parameters are included in the accompanying documentation for external use.

Solution and Benefits
- Extended externalized parameters view to allow integration developers/content developers to provide descriptions for the externalized parameters.
- Contextual information can be functionally or technically centric.
- Contextual information of the parameter will enable business experts to understand the significance of the parameter before the value is configured.

For more information, please refer to the Externalized Parameters View.

Users utilizing SAP Cloud Integration should check the Externalized Parameters View.

Inspect Enhancements

- You can now view the exact values of data store usage in the Data Store bar chart.

- You can use the Show Flow Step function to identify the integration flow step that consumes the most memory.

- Refer to: Inspect Data Store Usage, Inspect Integration Flows By System Memory Usage

Other updates

- All existing disk sizes scale to 10 GB, and integration content scales to 2 GB.
  See: System Scope in the Cloud Foundry Environment

- For OData V4 receiver adapter version 1.17 and above, the custom parameters configured for $metadata call will also be appended to the service document call.
  See: Configure OData V4 Receiver Adapter
  Users utilizing SAP Cloud Integration should check the Configure OData V4 Receiver Adapter

# Integration flow design guidelines: Exactly Once In Order

New guidelines for handling Exactly Once In Order scenarios
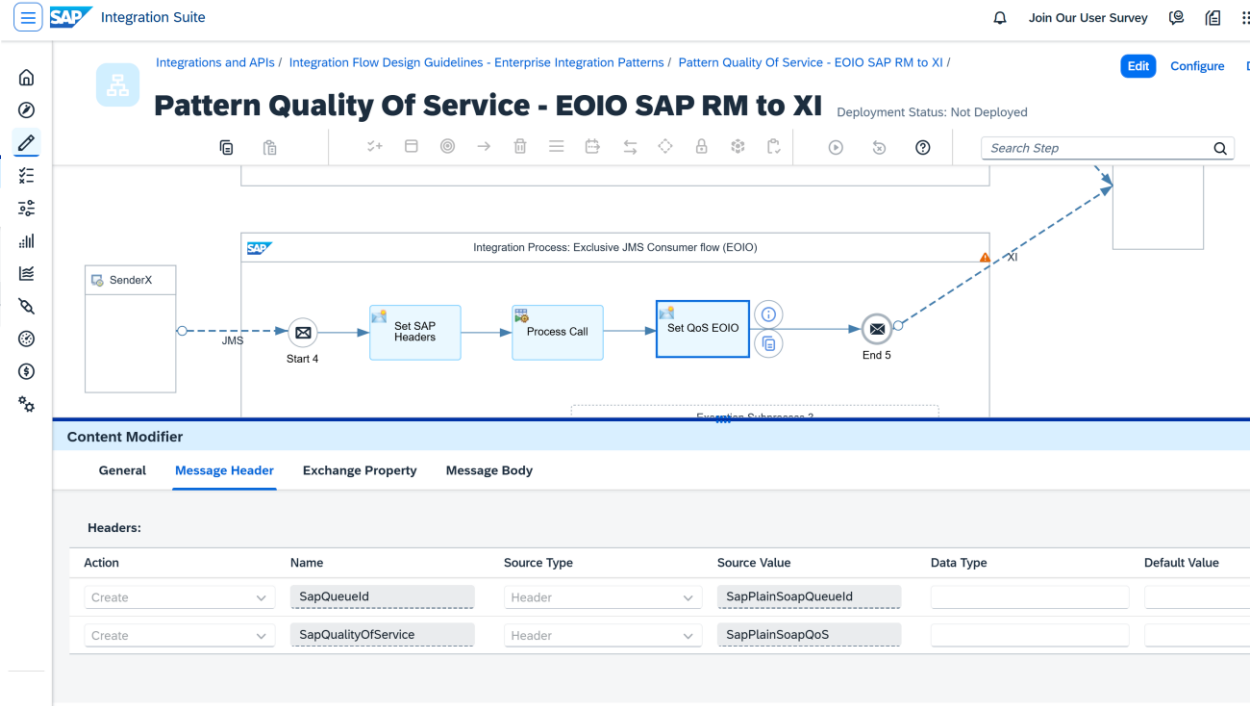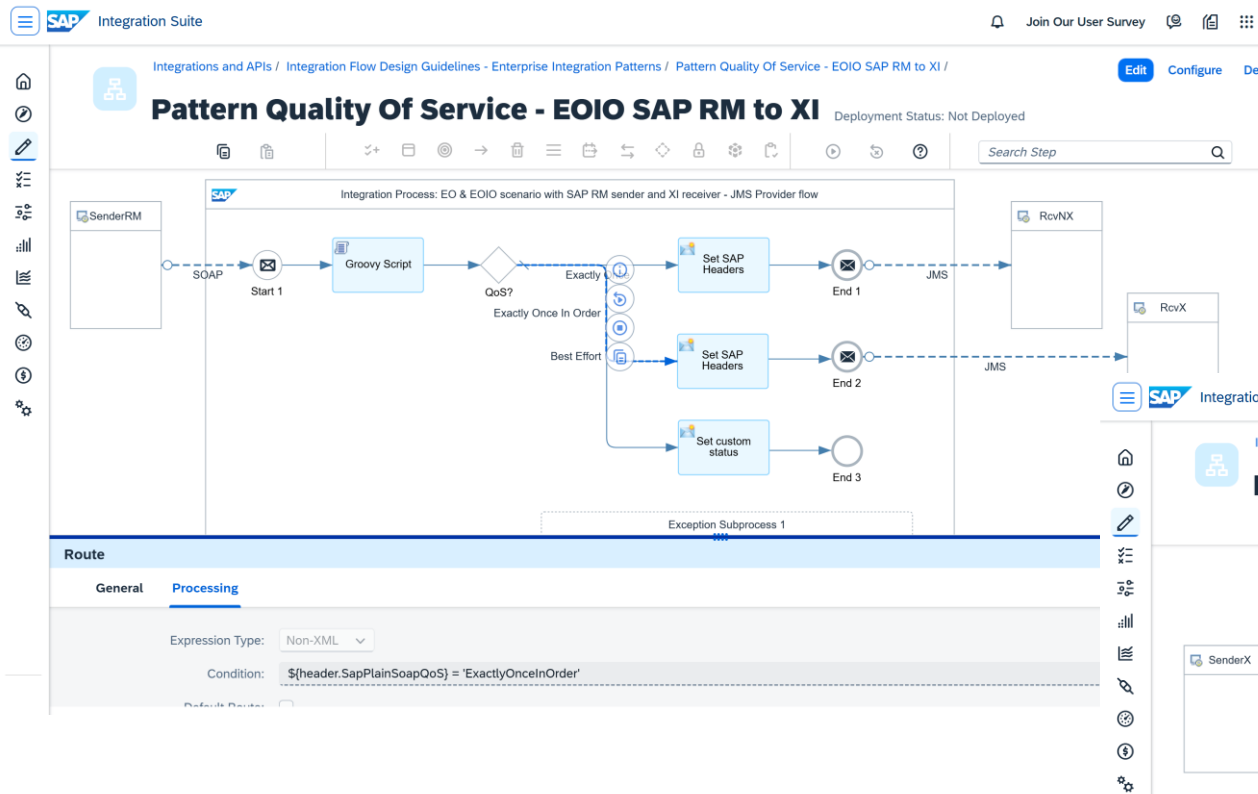
Support for Exactly Once In Order

- Via **exclusive queues** in Cloud Integration
- Via **exclusive queues** or **partitioned queues** using Advance Event Mesh

Guidelines describing different use cases

- As part of the [standard documentation](#)
- Providing sample integration flows in the [Enterprise Integration Patterns](#) package on SAP Business Accelerator Hub
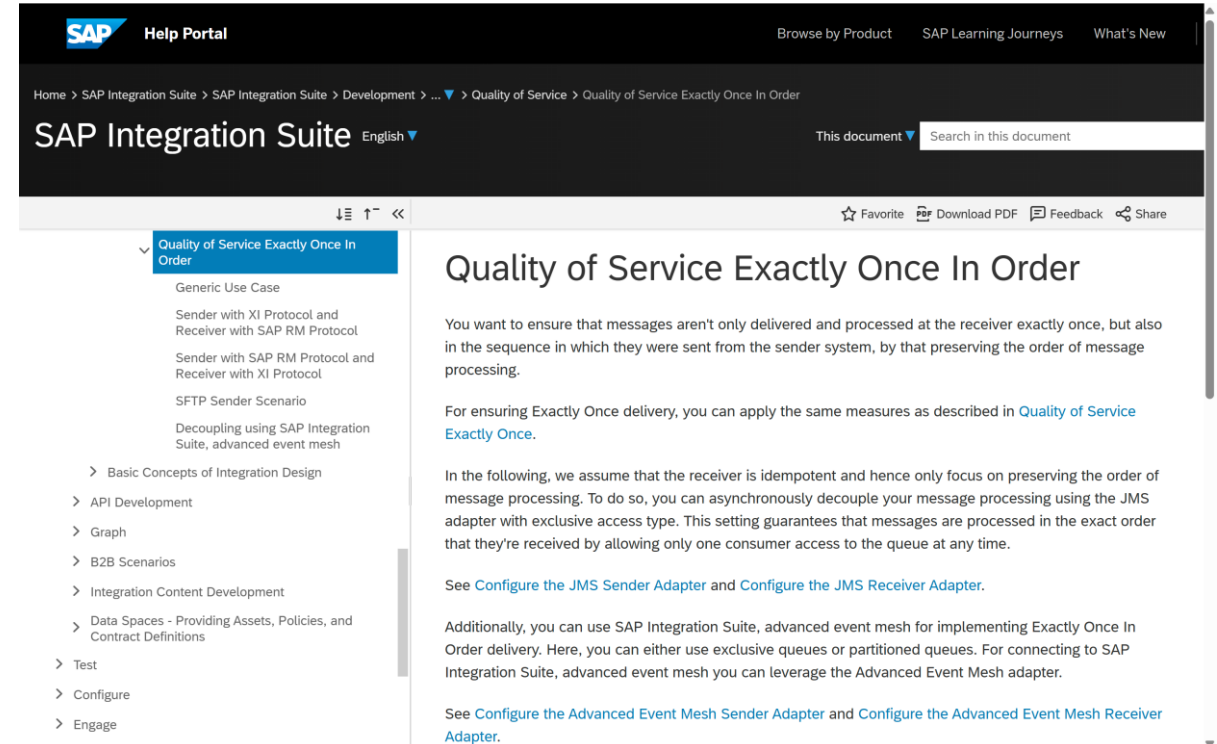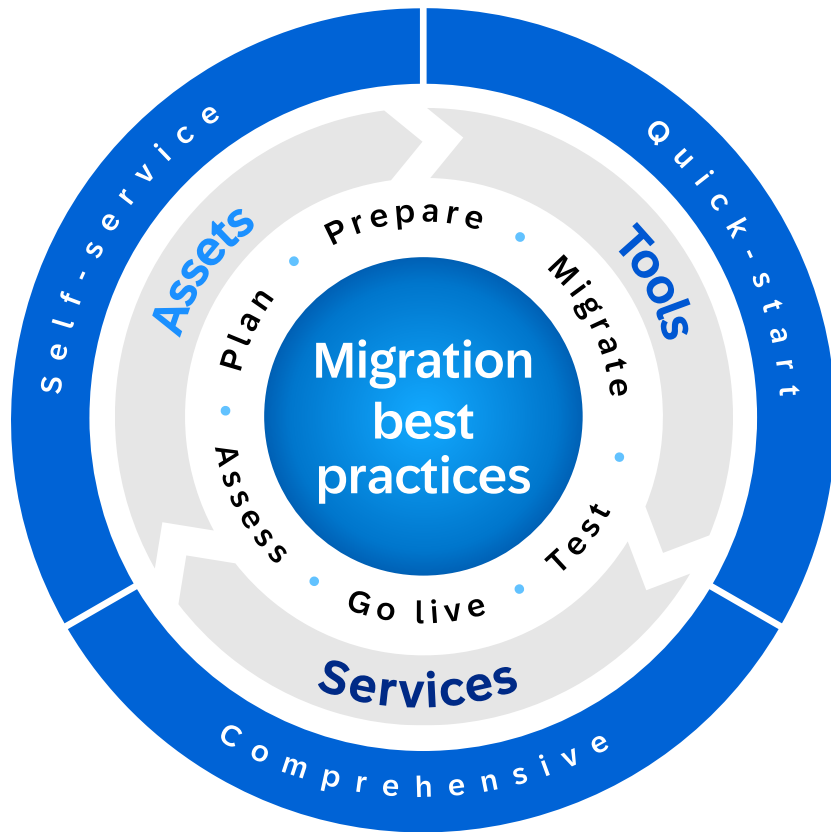
Exactly Once In Order for an SAP RM to XI scenario

Migration tool enhancements

PUBLIC

How do we support the transition to the cloud?

Migration best practices

- Assets
- Tools
- Services
- Self-service
- Quick-start
- Comprehensive

Prepare, Migrate, Test, Go live, Assess, Plan

Visit our web page for more detail

SELF-SERVICE HELP

- **Assessment tools** to evaluate your existing environment and estimate efforts
- **Tools to automate migration and testing** from SAP and partners
- **Migration guides, documentation, and community content** to guide you through the migration lifecycle
- **Pre-built integrations** maintained by SAP

QUICK START PROGRAMS

- **SAP Migration Factory –** a **free** 2–3-week program to help assess and plan your migration from **SAP PI/PO to SAP Integration Suite**
- **Evolve Neo program – free** access to SAP experts who help you plan and prepare your migration to SAP Integration Suite on SAP BTP, **Cloud Foundry** environment
- **SAP Service and Support** offer SAP Integration Suite quick start and migration assistance with **short duration, low-cost engagements**

END-TO-END SERVICES FROM SAP AND OUR PARTNERS

- **SAP Services** - tailored services across the entire migration lifecycle – **including implementation and testing services**
- **SAP Premium Engagements** (e.g., SAP MaxAttention) offers a customizable deep dive **SAP PI/PO migration workshop** along with **proof-of-concept**, **health-check** and **on-call go-live** support services.

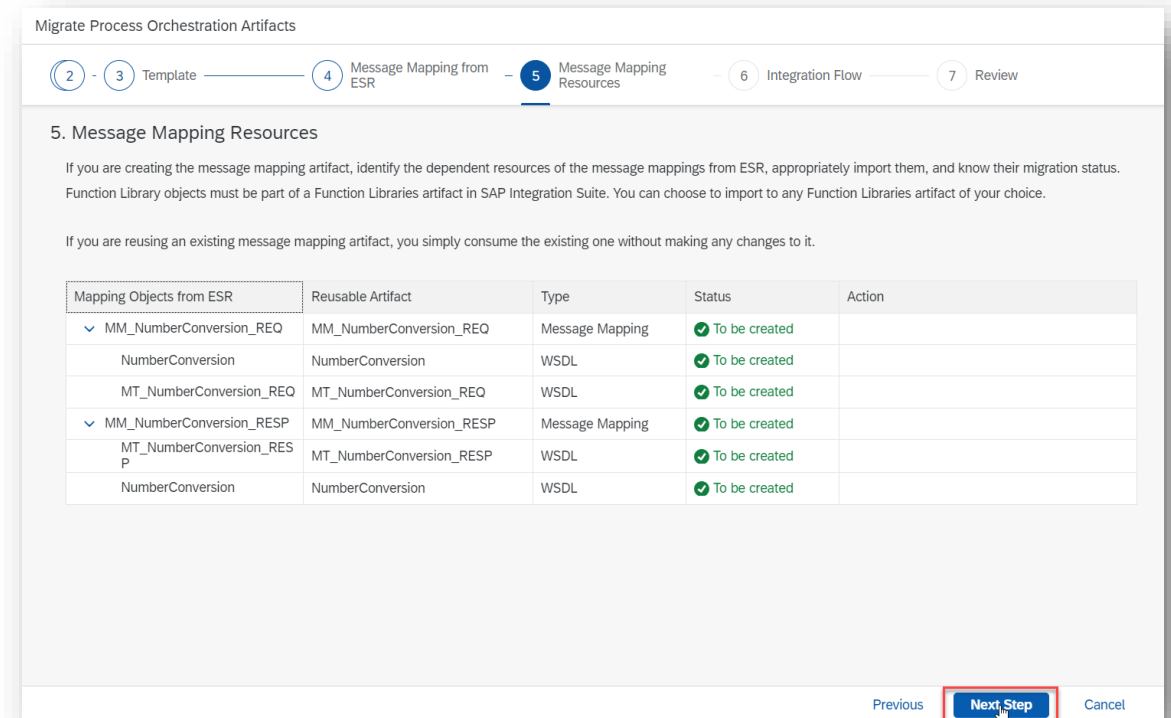# Migration tooling as part of the Cloud Integration designer

Concepts

- Migration wizard embedded in Cloud Integration designer
- Integration flows are semi-automatically created based on set of integration flow patterns
- Framework automatically identifies fitting pattern and dynamically adds flow steps
- SAP Process Orchestration adapter metadata attributes are mapped to channel properties of Cloud Integration
- Manual adjustments such as maintaining security artifacts may be needed after integration flow creation

Supported Patterns

- Point-to-Point Sync
- Point-to-Point Async
- Recipient List and Content-based-routing Async

Recent Innovations

- Importing Message Mapping Objects with dependent resources and ignoring unsupported function libraries
- Support of "classical" PI dual stack scenarios
- Support of service operations
- **Supporting the Pipeline approach**

Migrate Process Orchestration Artifacts

(2) - (3) Template ——— (4) Message Mapping from ESR — (5) Message Mapping Resources (6) Integration Flow (7) Review

5. Message Mapping Resources

If you are creating the message mapping artifact, identify the dependent resources of the message mappings from ESR, appropriately import them, and know their migration status.
Function Library objects must be part of a Function Libraries artifact in SAP Integration Suite. You can choose to import to any Function Libraries artifact of your choice.

If you are reusing an existing message mapping artifact, you simply consume the existing one without making any changes to it.

Mapping Objects from ESR	Reusable Artifact	Type	Status	Action
⌄ MM_NumberConversion_REQ	MM_NumberConversion_REQ	Message Mapping	✓ To be created	
NumberConversion	NumberConversion	WSDL	✓ To be created	
MT_NumberConversion_REQ	MT_NumberConversion_REQ	WSDL	✓ To be created	
⌄ MM_NumberConversion_RESP	MM_NumberConversion_RESP	Message Mapping	✓ To be created	
MT_NumberConversion_RESP	MT_NumberConversion_RESP	WSDL	✓ To be created	
NumberConversion	NumberConversion	WSDL	✓ To be created	

Previous   Next Step   Cancel

Migration tool supporting the Pipeline for Cloud Integration

Migrate Process Orchestration Artifacts

1 Process Orchestration System — 2 Process Orchestration Artifacts — 3 Pattern — 4 Message Mapping from ESR — 5 Message Mapping Resources — 6

3. Pattern

ⓘ Condition based integration pattern where messages are routed to a single receiver

Select Pattern

Pattern: * Content-Based Routing

Select Migration Approach ⓘ

○ Standard
Migrate asynchronous, synchronous, and all condition-based integration scenarios. This approach is suitable for independently managing measures such as error handling, monitoring, and restarting message processing.

◉ Pipeline
Migrate asynchronous and all condition-based integration scenarios. This approach provides monitoring, operations, built-in and reusable error handling, and the ability to restart message processing.

Choose between Standard and Pipeline Approach

- For Standard, one integration flow is created
- For Pipeline, multiple integration flows and corresponding Partner Directory objects are created

✓ **Success**   ⭳ Report

The integration scenario from SAP PI/PO system is successfully migrated along with the dependent objects.

Artifact Details | Channels and Resources | Partner Directory | Next Steps

Migration Approach: Pipeline

The table below depicts the scenario-specific integration flows that the migration tooling created.

| Scenario-specific Integration Flows	Action
AB_Demo_Scenario_CBR_PIP01_InboundProcessing	View Artifact
AB_Demo_Scenario_CBR_PIP03_InboundConversion	View Artifact
AB_Demo_Scenario_CBR_PIP07_OutboundProcessing_RL_Receiver_1_IFIndex_1	View Artifact
AB_Demo_Scenario_CBR_PIP07_OutboundProcessing_RL_Receiver_2_IFIndex_1	View Artifact
AB_Demo_Scenario_CBR_PIP07_OutboundProcessing_RL_Receiver_3_IFIndex_1	View Artifact

Pipeline concept for handling async messages in Cloud Integration

Partner Directory

| Inbound (specific) | → JMS → | Inbound queue | → JMS → | Inbound (generic) | → JMS → | Receiver queue | → JMS → | Receiver Determination (generic) | → JMS → | Interface queue | → JMS → | Interface Determination (generic) | → JMS → | Outbound queue | → JMS → | Outbound (generic) |

Inbound (specific)

ProcessDirect → Conversion (scenario-specific)

ProcessDirect → Outbound (scenario-specific) — Outbound (scenario-specific)

Prerequisite: Generic flows have been deployed on your tenant

Migration tool automatically generates:
- Scenario-specific inbound processing, inbound conversion and outbound processing flows
- Partner Directory objects: XSLT to determine the receivers and receiver interfaces, alternative partner to map sender and sender interface to the scenario

Generic integration flows

Scenario-specific integration flows

JMS queues
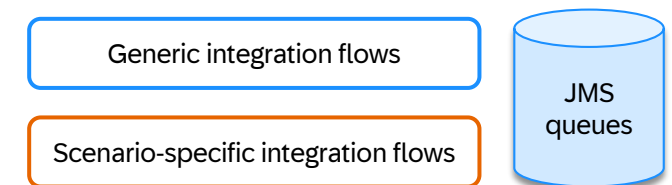
Demo

3rd Party Connectivity with Integration Suite

3rd Party Connectivity Adapters

Recently Released

Coming Soon

- IBM MQ Series (JMS)
- DocuSign
- Google Big Query

Google Cloud Storage

Salesforce Pub Sub

IBM MQ Series (REST)

Google Pub/Sub

LeanIX

MS Teams

Google Cloud Storage Adapter for Integration Suite

Cloud Storage is a managed service as part of Google Cloud Platform which facilitates storing of unstructured data.

Customers can store any amount of data and retrieve it as often as they like.

Adapter - Features

Authentication

OAuth2 Service Account

Workload Identity Federation

Adapter Type

Sender

Receiver
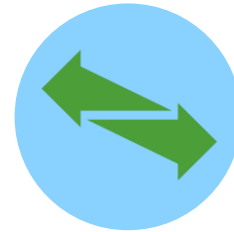
Message Protocol

REST
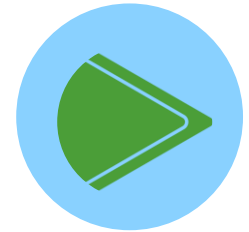
Supported Runtimes

Cloud Integration

EIC

Sender Adapter

- Operations:
  - **Poll Files from a folder path**

- Camel Expression support
- Support for multiple file poll in one polling interval
- Support for file duplicate check based on filename
- Support for various post processing handling
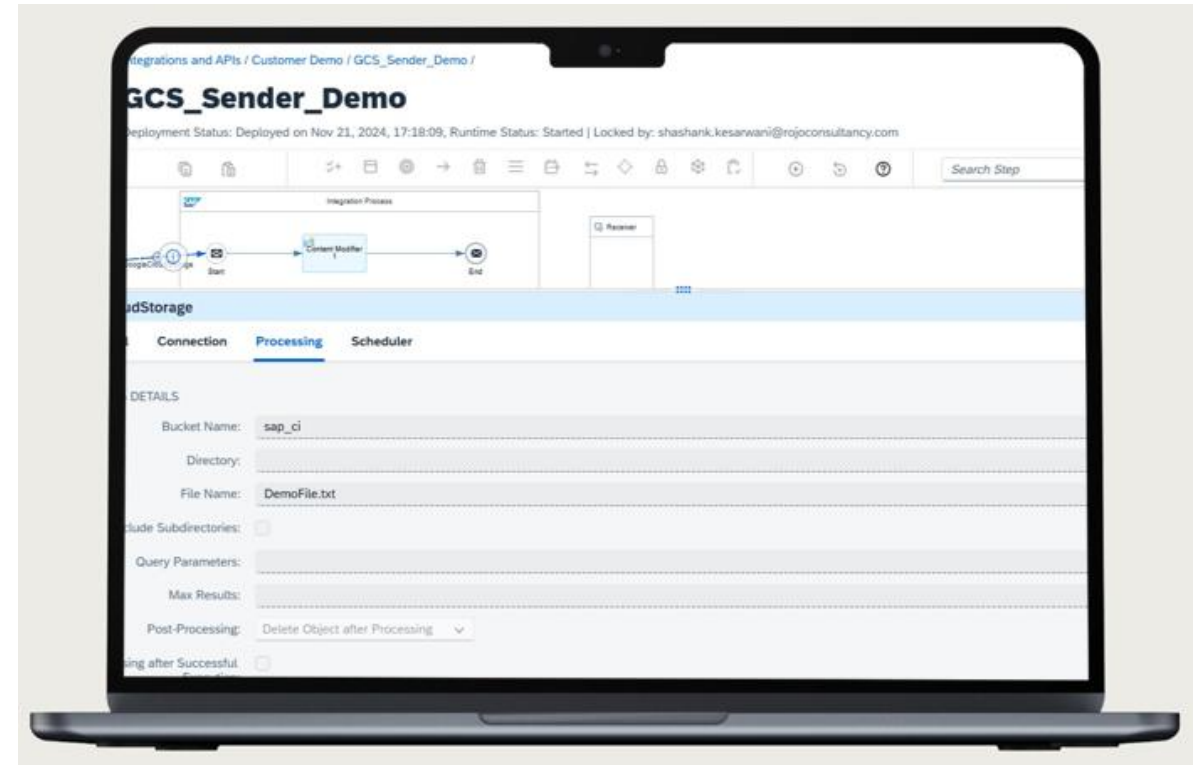
Receiver Adapter

- Resources
  - Objects(files)
  - Buckets
  - Folders
- Operations
  - Create, Read, Update, Delete
- Dynamic headers/property support
- Support for Object Encryption
- Support for query parameters and response fields to control response data
- Support for custom Request and Response headers
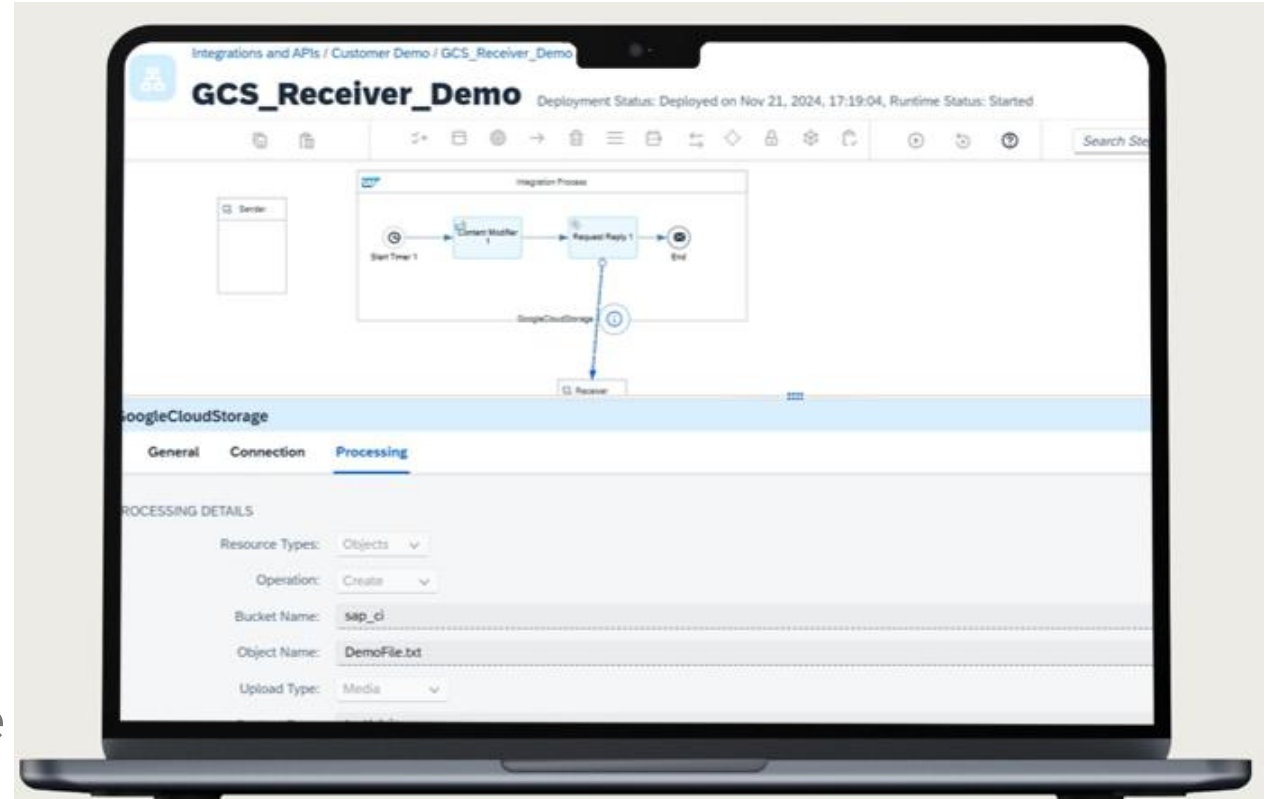
Demo

Thank you.

Contact information:

Name: Sheril Anna Thomas
Email: sheril.thomas@sap.com

SAP

Follow us

THE BEST RUN **SAP**