SAP Cloud Platform Integration Suite
Monthly Updates – January 2020

Deepak Deshpande, Alexander Bundschuh, Marco Ertel, Finny Babu
Product Management, SAP Cloud Platform Integration Suite
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Agenda

- SAP Cloud Platform Integration
- SAP Cloud Platform Integration Advisor
- Q&A
SAP Cloud Platform Integration Suite
A modular iPaaS to connect the Intelligent Enterprise

Cloud Integration
Seamlessly integrate anything, anywhere (A2A/B2B) in real time.

API Management
Expose your data and processes as APIs. Manage E2E life cycle.

Integration Advisor
Accelerate implementation and maintenance of B2B scenarios using machine learning.

API Business Hub
Jump start integration projects with APIs, packaged integration content and adapters.

Data Intelligence
Deliver data-driven innovation, unifying enterprise AI and intelligent information management.

Open Connectors
Accelerate connectivity to 3rd party applications.

Connectivity
Securely access remote services that run on-premise.

Enterprise Messaging
Decouple communication and send messages & events.
What’s New!! - SAP Cloud Platform Integration Suite

- What’s New Initiative -
  - Newsletter: First Monday
  - Webinar: Last Tuesday
- One time subscription - no need to register for individual webinars
- Consolidated **Landing page** for all the Suite services – monthly aggregation
- Links to blogs, upcoming events, important news, updates, recordings, etc. for all Suite services in one newsletter

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**August Newsletter - What’s New!!**

**Upcoming Webinar**

Aug 29: SAP Cloud Platform Integration Suite – Monthly Update

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**Connectivity Tests**

Perform connectivity test against the Cloud Connector or test connection via the Cloud Connector to the backend.

Learn how

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**Self-service enablement**

Enable Cloud Integration service on consumption-based commercial model for SAP Cloud Platform via self-service.

Learn more

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SAP Cloud Platform Integration
Agenda

- Recent Enhancements
  - SuccessFactors & OData Adapter
  - Mapping
  - Externalization
  - AMQP Adapter
  - News and Announcements

- Integration Flow Design Guidelines
SAP Cloud Platform Integration
SuccessFactors & OData Adapter Enhancements

- SuccessFactors SOAP Adapter: Enhanced the adapter to support `StartRow` API property.
  - This now helps, especially in the pagination scenarios, to fetch the next page of record even in case of the session timeout.

- OData V2 outbound adapter
  - Support for GET operation in `$batch`
  - Support for content-encoding formats
  - [https://help.sap.com/viewer/368c481cd6954bdaf5d0435479fd4eaf/Cloud/en-US/c5c2e38e0c87472e996dfda04920bfc4.html](https://help.sap.com/viewer/368c481cd6954bdaf5d0435479fd4eaf/Cloud/en-US/c5c2e38e0c87472e996dfda04920bfc4.html)
SAP Cloud Platform Integration

Mapping Enhancements

• Export Mapping as spreadsheet
  • https://help.sap.com/viewer/368c481cd6954bd6a5d0435479fd4eaf/Cloud/en-US/3d5cb7ff43fb4a4b9c28153472f6d0f1.html

• Copy & paste of mapping expression
  • https://help.sap.com/viewer/368c481cd6954bd6a5d0435479fd4eaf/Cloud/en-US/3d5cb7ff43fb4a4b9c28153472f6d0f1.html

• Copying message mapping from other integration flows
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AMQP Adapter

AMQP Sender and Receiver adapter now supports connectivity to on-premise messaging systems using the SAP Cloud Connector

SAP Cloud Platform Integration
Quick Access to News and Announcements, Design Guidelines & Troubleshooting Guide

**What's New?**

- AMQP sender and receiver adapter now supports connectivity to on-premise messaging systems using the SAP Cloud Connector.
  - See: [Configure the AMQP Sender Adapter](#)
  - [Configure the AMQP Receiver Adapter](#)
- Check out the enhancements introduced in Externalization
Externalization feature enables an integration developer to define parameter for configurations of adapters or flow steps in an integration flow, whose values can be provided at a later point in time, without editing the integration flow.

Enhancements:

1. Separation of responsibility of the Integration Flow Web Editor and Configuration View
   - Default Value - The value of a parameter defined in the integration flow editor
   - Configure Value – The value configured from the configuration view

2. Externalized Parameters View shows both Default & Configured values of parameter for comparison and quality assurance

3. Download Integration Flows with Default Values or Merged Configured and Default Values

Guidelines to Implement Specific Integration Patterns

Send feedback

Cloud Integration supports the implementation of enterprise integration patterns that are also referred to as integration patterns or messaging patterns.

One example of an enterprise integration pattern is the content-based router. As an example, assume that a sender is connected to multiple receiver systems. The business process requires that a message from the sender is forwarded to a particular receiver system depending on the content of the message (for example, a customer ID). The content-based router makes such forwarding possible.

Another example is the splitter, which defines that a single message is split into multiple partial messages that can be processed individually.

This section provides simple example integration flows to show how to implement enterprise integration patterns.

You find the integration flows in the following integration package published on SAP API Business Hub:

Integration Flow Design Guidelines - Enterprise Integration Patterns

More information on enterprise integration patterns: https://www.enterpriseintegrationpatterns.com/patterns.messaging/toc.html

Related Information

Aggregator
Composed Message Processor
Content-Based Routing
Content Enricher
Content Filter
Message Filter
Recipient List
Scatter-Gather
Guidelines to Design Enterprise-Grade Integration Flows

As an integration developer, you need to make sure that you design integration flows in a robust fashion in order to safeguard your company’s mission-critical business processes.

An integration flow is enterprise-grade when it’s designed in such a way that it’s qualified to implement parts of the mission-critical processes of an enterprise. A poorly designed integration flow can lead to certain errors. In the worst case, the integration flow breaks resulting in a service disruption for the business process. It is your responsibility to design an integration flow in such a way that the overall availability of the business process isn’t impaired. To fulfill this requirement, you need to embrace certain characteristics constituting an enterprise-grade integration flow.

In this section, we introduce guidelines for designing enterprise-grade integration flows in SAP Cloud Platform Integration.

There are the following qualities of an enterprise-grade integration flow.

High Availability

One of the key qualities of a cloud service is high availability. As such, it’s essential that you build robust integration flows that never break the business process. A prerequisite is that you consider certain patterns when modeling the integration flow. These patterns can be assigned to different qualities of a service’s integration flow.
SAP Cloud Platform Integration
Integration Flow Design Guidelines
SAP Cloud Platform Integration Advisor
Agenda

• Shared functions
• Comparison of message implementation guidelines
• Exchange of guideline versions in mappings
• Global codelists
SAP Cloud Platform Integration Advisor
shared functions

- Mapping functions are often used in the same way
- Increases reuse
- Reuse inside the MAG later inside the tenant
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MIG comparison

- Compare MIGs to identify similarities and differences
- Can compare 2 to n MIGs
- Can compare different versions of the same MIG but also different MIGs
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exchange MIG version in MAG

- As MIGs can exist in different versions it is now possible to exchange the used version in the MAG
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global code value mapping

- Code value mappings are often used in the same way
- Increases reuse
- Makes changes to a value mapping easier
Q&A
Thank you.
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