SAP Integration Suite
Monthly Updates – July 2023

Product Management Team & Guests, SAP Integration Suite
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

- Upgrade to new version of third-party connectors
- Cloud Integration
- Graph in API Management
- B2B
- Integration Assessment
Integration Suite
Action required: Move previous non-SAP adapters to new adapter versions

As per [SAP note 3001980](https://help.sap.com) the following previous adapter versions are deprecated since December 31st, 2020:

- Salesforce, Amazon Web Services, Microsoft Dynamics, SugarCRM

There haven't been any new features or enhancements for these previous adapter versions.

**As of January 1st, 2024, the previous adapter versions will no longer run.**

**Action required**

- **Option 1:** Migrate to updated new adapter versions and benefit from multiple new features
  - Migration support documented in [SAP Work Zone](https://help.sap.com), e. g. Salesforce adapter, Amazon Web Services adapter
  - Request access to [SAP Work Zone](https://help.sap.com) at Annemarie Kiefer (annemarie.kiefer@sap.com)
  - SAP offers tips and tricks
  - Rojo Consultancy as the adapter expert offers consultancy services. Fees apply.
  - For further question and support, open a ticket on the “LOD-HCI-PI-CON-TPRO” component, subject: “Help with upgrading to the OEM adapters”

- **Option 2:** Purchase new Advantco adapter versions from Advantco with support from Advantco only

- For both options: Delete integration flows using the adapters that are no longer in use and undeploy adapters
Cloud Integration
Import Function Libraries, Message and Data Types

- Import SAP PI/PO **Function Libraries, Message Types and Data Types** from ES Repository
  See: [Working with Function Libraries](#)
  See: [Working with Data Types & Message Types](#)
- **Reference** these artifacts in **Message Mapping**
- Consider current Limitations ,
  See: [Import Function Library from ES Repository](#)
- Available in SAP Integration Suite, standard plan and above
API Management incl. Graph
Graph: one connection to your business data

Graph introduces a **new, unified SAP API** to access all business data as a single, semantically connected, **Business Data Graph**

Developers *use a single, powerful and connected API* to the business data they need, as a *data graph*

Enterprise IT establishes and *controls a secure interface* to the business data they want to share with developers…

*… by easily creating business data graphs*
What is a data graph?

- A data graph represents **entities** (data objects) as **nodes** of a graph
  - Entities are grouped in **namespaces**
  - The fields of an entity are called **attributes**
- **Edges** represent semantic relations
  - between independent nodes: an **association**
  - between a root-node and its sub-nodes: a **composition**

**data graphs support queries that explore the **data as well as the relationships**
Configuration: overview

1. You configure your data sources
2. The data objects are discovered: a business data graph is constructed out of *mirrored entities* – one-to-one, grouped into namespaces
3. Supported SAP entities are enriched with thousands of semantic connections
4. Simplified, and abstracted *unified entities*, connecting models across systems, are added
5. You can introduce your own *custom entities*
6. You control the *policy* of how data is exposed
What are custom model extensions?

- Projection – creates a “view” to hide underlying APIs, rename, reduce attributes, etc.
- Composition – creates a “merged” entity, which can include attributes from source entities
- Connection – creates an association between entities

Custom model extensions allow you to compose your own data graph!
Frequent flyer extension
"version": "1.0.0",
"entity": "my.loyalty.FrequentFlyer",
"label": "Frequent Flyer",

"sourceEntities": [
    {
      "name": "my.custom.FREQUENT_FLYER",
      "join": [["BusinessPartner", "BusinessPartner"]]
    }
],

"dicts": { "loyaltyProgramStatus": { "FTL": "Frequent Traveler", "GOLD": "Gold", "SEN": "Senator", "HON": "HON Circle" } },

"attributes": [
    {
      "name": "id", "source": [ "BusinessPartner" ], "key": true,
      "name": "memberId", "source": [ "BusinessPartner" ]
    },
    {
      "name": "name", "source": [ "BusinessPartnerFullName" ], "sourceEntity": "sap.s4.A.BusinessPartner", "type": "String"
    },
    {
      "name": "language", "source": [ "Language" ], "sourceEntity": "sap.s4.A.BusinessPartner"
    },
    {
      "name": "isActive", "transform": "negation", "source": [ "IsMarkedForArchiving" ], "sourceEntity": "sap.s4.A.BusinessPartner", "annotations": { "readonly": true }
    },
    {
      "name": "addresses[]", "source": [ "toBusinessPartnerAddress[]" ], "sourceEntity": "sap.s4.A.BusinessPartner"
    },
    {
      "name": "addresses[].addressId", "source": [ "toBusinessPartnerAddress[].AddressID" ], "sourceEntity": "sap.s4.A.BusinessPartner", "key": true
    },
    {
      "name": "addresses[].addressLines[]", "transform": "arrayFill", "source": [
        "toBusinessPartnerAddress[].streetPrefixName",
        "toBusinessPartnerAddress[].additionalStreetPrefixName",
        "toBusinessPartnerAddress[].streetName",
        "toBusinessPartnerAddress[].streetSuffixName",
        "toBusinessPartnerAddress[].additionalStreetSuffixName"
      ],
      "sourceEntity": "sap.s4.A.BusinessPartner", "type": "String"
    },
    {
      "name": "addresses[].postalCode",
      "source": []
    },
    {
      "name": "toBusinessPartnerAddress[].PostalCode"
    },
    {
      "name": "sap.s4.A.BusinessPartner"
    }
]
B2B
Type System News: SAP S/4HANA Cloud SOAP 2302

Error handling: updates in the monitoring

Interchange 6e498792395141b2a3aed15d93b6ecbf

Status: Failed
Processing Status: Failed

Interchange Creation Date Time:
July 25, 2023 at 2:05:57 PM GMTZ

<table>
<thead>
<tr>
<th>Error Information</th>
<th>General</th>
<th>Events</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Error Category</strong></td>
<td><strong>Error Message</strong></td>
<td></td>
</tr>
<tr>
<td>Agreement Configuration Access Failed</td>
<td>Partner Directory lookup failed.</td>
<td>Details</td>
</tr>
</tbody>
</table>

Check Agreements
Lifecycle Management: Cross Actions

- Export and Import of TPM Entities
- Mass updates of MIG and/or MAGs in Trading Partner Agreements
- Mass activation/deactivation of Agreements
Integration Assessment
NEW: Documentation about ISA-M available at SAP Help Portal
Easier to consume and to apply SAP’s integration methodology

- More context information and explanations, including a glossary
- A set of “real” templates to fill out that are assigned to the steps of the methodology
- Option to choose a templates-based and/or a tool-based approach using the Integration Assessment for applying ISA-M
- Direct access to the methodology including download of templates
Explore the standard APIs for a broad set of ISA-M entities

Companies using various tools in the areas of Enterprise Architecture and Application Lifecycle Management can leverage APIs to integrate other systems with the Integration Assessment capability. This will allow new scenarios when designing an integration architecture toolchain in future.

- APIs based on OData v2
- Access to
  - ISA-M settings
  - Applications
  - Technologies
  - Business solution / interface requests

API documentation on SAP Business Accelerator Hub
SAP Integration Suite documentation
NEW: Guiding content for SAP Customer Experience Solutions
Stepwise publication of LoB specific integration policies

- Extension of guiding content by content specific for SAP Customer Experience solutions
- Contains comprehensive list of SAP CX business applications and integration policies
- Supports designing the integration landscape in the SAP Customer Experience area
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
• 20 mins slot
• Interested to present? Reach out to palak.garg@sap.com
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](mailto:gautham.krishna@sap.com))

*Note: “Interact with #IntegrationBlackBelt” section will transition to alternate months.*
Q & A
Thank you.