SAP Cloud Platform Integration Suite
Monthly Updates – March 2020

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Agenda

- Cloud Integration
- Process Orchestration
- API Management & API Business Hub
- Monthly Webinar Revamp
- Q&A
Cloud Integration
Agenda

- Download & Upload of Message Mappings
- Testing an Integration Flow (Simulation)
- Integration Flow Design Guidelines and Patterns
Support for upload & download of message mapping along with all its dependent resources in ZIP format
Testing an Integration Flow (Simulation)

Simulation feature allows integration developers and business experts to easily test the integration flow or parts of it, during the development without the need to deploy and trace explicitly.

Benefits:

• Helps integration developer to debug the configurations
• Option to provide simulation input or test data
• Allows the developer to simulate dependencies by providing mock simulation response
• Errors identified during the simulation are recorded along with recommendations to fix it.
Process of Running Simulation

1. Switch "on" the Simulation Mode

2. Define the Start point

3. Define the End point
Process of Running Simulation

4. Provide test data

5. Run Simulation

6. View Simulation Results
Next Steps

1. Extend support for these flow steps:
   - Aggregator
   - Splitters
   - Gather
   - Multicast
   - Looping process call

2. Upload test input from file system

3. Support of simulation in “Edit” mode
Integration flow design guidelines
New guidelines shipped in February

Discover / Integration Flow Design Guidelines - Run an Integration Flow Under Well-Defined Boundary Conditions /
Integration Flow Design Guidelines - Run an Integration Flow Under Well-Defined Boundary Conditions

This integration package contains integration flows to illustrate the design guidelines for managing resources. More details can be found on SAP Help Portal.

Vendor: SAP
Mode: Editable
Version: 1.1.0
Published: 25 Feb 2020

Overview  Artifacts (3)  Documents (3)  Tags  Ratings

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<td>Generic Receiver</td>
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<td>Integration flow mocking a receiver system for test purposes</td>
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<td>Manage Resources - Limit Size Incoming Messages</td>
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<td>Integration flow that rejects messages exceeding maximum message size</td>
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<td>Manage Resources - Size Integration Flow</td>
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<tr>
<td>Integration flow that reads data from an external component and processes it in pages</td>
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# Integration flow design guidelines

New guidelines shipped in March

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<tr>
<td><strong>Apply Security - Disable DTDs</strong>&lt;br&gt;Integration flow showing how you can disable DTDs, if you parse XML content in a script step</td>
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<tr>
<td><strong>Apply Security - Encode Dynamic Parameters</strong>&lt;br&gt;Integration flow showing how you can encode dynamic parameters before you use them in an OData query</td>
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<tr>
<td><strong>Apply Security - Use Client Certificate Authentication - Receiver Channel</strong>&lt;br&gt;This Integration Flow shows how to configure client certificate authentication for HTTP adapter based receiver channels</td>
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<td><strong>Apply Security - Use CSRF Protection - Receiver Channel</strong>&lt;br&gt;This Integration Flow shows how you ensure CSRF protection for an HTTP receiver channel</td>
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<tr>
<td><strong>Apply Security - Use CSRF Protection - Sender Channel</strong>&lt;br&gt;This Integration Flow shows how you ensure CSRF protection for an HTTP sender channel</td>
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Enterprise Integration Patterns

Blog series comparing Enterprise Integration Patterns on SAP Process Orchestration vs. SAP Cloud Platform Integration

SAP has recently published integration flow design guidelines and patterns for SAP Cloud Platform Integration that should help you to design the most common Enterprise Integration Patterns and to build enterprise-grade integration flows. The information is available on the SAP Help Portal. Furthermore, we provide sample integration content packages on the SAP API Business Hub. For more details, check out the announcement blog from a colleague of mine.

Regarding the patterns, while writing this blog I just noticed that Bhachandra Wadkar had the same idea and actually has been started working on this great blog series Enterprise Integration Patterns in Cloud Platform Integration with the promise to blog about a new pattern every Sunday. Now, that we obviously worked on this in parallel, some of the patterns that are on his ToDo list have been already covered by us here. So, ©Bhachandra, you may tick off those patterns from your list. This will save you some Sundays. On the other side, might be interesting how you would model the patterns since there might be different ways to do it. I am also grateful for all your effort, a lot of patterns that were on our list have now been covered by you already, so this saves a lot of time on our end. And it is definitely an added value for the community.

Anyway, with this blog I would like to start a blog series covering some of the patterns that we have published so far. Our intention however is not only to show how those patterns can be implemented on SAP Cloud Platform Integration but also to compare with how we...
Process Orchestration
Agenda

- New features with 7.5 SP17
- Trial availability of SAP Process Orchestration
New features with 7.5 SP17

- **Process Integration Test tool**
  - Run configuration stored on server
  - Schedule test suites and test cases
  - Maintain test suites on SAP UI5 user interface

- **ESR in NWDS**
  - Editor for adapter metadata
  - Support packages for software component versions

- **Query modeler in NWDS for SAP SuccessFactors and OData adapters**

- **REST adapter enhancements**
  - Supporting principal propagation
  - Accepting HTTPS calls only
  - Supporting HMAC authentication

- **Cloud integration runtime**
  - Support for JDBC receiver adapter and new configuration UI for JDBC data sources
  - Support for RFC receiver adapter
  - New monitor for JMS queues

See [release notes](#)
SAP Process Orchestration trial on SAP Cloud Appliance Library

What’s in?
- SAP Process Orchestration 7.5 SP16
- SAP Process Integration b2b add-on 2.0

Sample exercises
- B2B integration scenario: order to invoice
- Service composition scenario on built-in SAP Cloud Platform Integration runtime
- Process Integration Test tool use case

See blog
API Management
Agenda

Theme: Focus on API Management deployment in Cloud Foundry

- API Management (native) enablement on Hyperscalers – Timelines
- Adding Custom Roles that can be applied on Products
## API Management (native) enablement on Hyperscalers – Timelines

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Adding Custom Roles that can be applied on Products

- While publishing Products, you can define Roles for developers who can
  - a) Access the Product
  - b) Subscribe and create Applications for the Product

- Follows Cloud Foundry Role Collection
Monthly Webinar Revamp
Monthly Webinar Revamp

1. Introducing a new section called “Interact with Integration Blackbelts”
   • Speakers from customers/partners/stakeholders/consultants to share their innovations, solution architecture, best practices and integration patterns
   • Interested to present? Reach out to finny.babu@sap.com

2. Reducing to one occurrence per month

3. Time: 1 hour
   • 40 mins - Product Updates
   • 15 mins - Interact with Integration Blackbelt
   • 5 mins - Q&A

4. Recordings in SAP HANA Academy YouTube channel
Q&A
Thank you.