

SAP Integration Suite

Monthly Updates – October 2021

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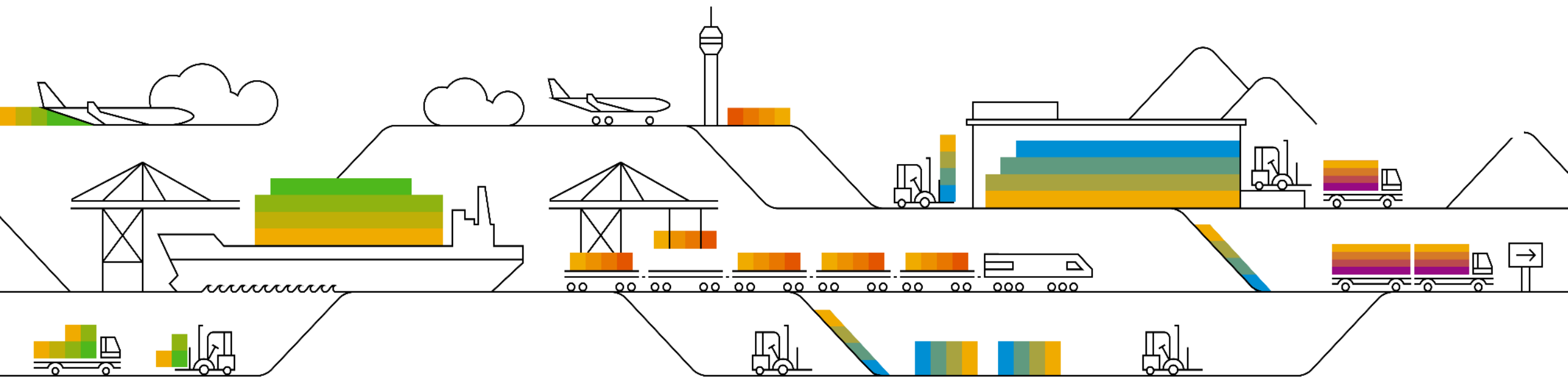
All forward-looking statements are subject to various risks and uncertainties that could cause actual results to differ materially from expectations. Readers are cautioned not to place undue reliance on these forward-looking statements, which speak only as of their dates, and they should not be relied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

Agenda

- Cloud Integration
 - Validation Step Introduced for JSON-to-XML Converter
 - Use Fast Exists Check for SFTP Adapter
 - SDK API
- #AskAnythingIntegration



Integration Suite



SAP Integration Suite

Leading Enterprise Integration Platform as a Service (EiPaaS)

**2021 Leader* in
for EiPaaS**



2021 Gartner Peer Insights Customers' Choice for EiPaaS



2021 Top rated TrustRadius iPaaS Award



Key factors to become leading platform

- Completeness of vision
- Ability to execute
- Customer references

Published Sept 29th, 2021
Read the [SAP Newsbyte article](#)

Highlights

- Highest reviews among the companies
- 93% would recommend us as preferred EiPaaS
- Customer's choice for midsize enterprises

Published April 1st, 2021 | ID G00745387
Read Gartner Peer Insights 'Voice of the Customer' [report](#)

Highlights

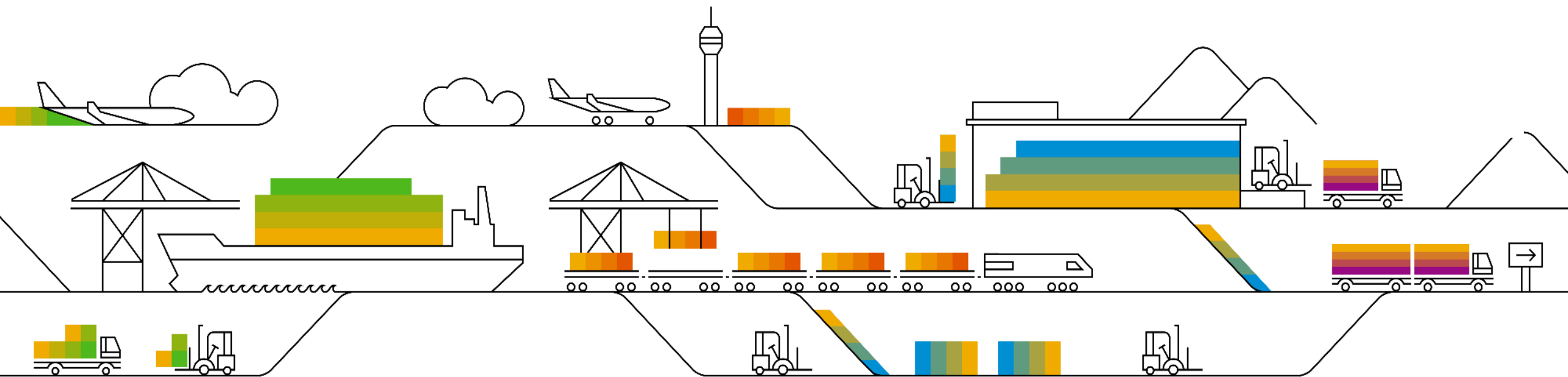
- Based solely on reviews provided by verified customers

Published May 27th, 2021
Read the [reviews](#)

Top 10 reasons to choose SAP's Integration Suite as your enterprise-wide integration platform

- 1 Versatile and Enterprise-grade integration platform** covering all integration styles and patterns: A2A/B2B/B2G, APIs, Events, Digital Integration Hub, Digital Ecosystems.
- 2 2100+ Out-of-box Integration Packs**, APIs, Events, Domain Models to jump-start your integration projects
- 3 Rich set of connectivity options** and standard adapters for A2A, B2B, and B2G integration, **170+ Open Connectors**, provided by SAP as well as by partners
- 4 Fully vendor managed multi-cloud services in major cloud service providers** and all in outcome based pay-per-use pricing provides flexibility to run the same integration artifacts across multiple environments.
- 5 Simplify the process of business partners collaboration** with the **power of artificial intelligence**.
- 6 Benefit from SAP's continued strategic innovation and long-term commitment** to simplify and accelerate enterprise integration
- 7 Strong focus on enterprise-grade security** such as data isolation, multitenancy, content encryption, and signing, Single Sign-On, secure on-premise connectivity
- 8 Share and learn from a community and partner ecosystem**
- 9 Create simple connected digital experiences** for your consumers, partners, and employees with full lifecycle management of your APIs.
- 10 SAP Integration Solution Advisory Methodology with strong customer focus** to make our customers run better

Cloud Integration



Validation Step Introduced for JSON-to-XML Converter

The JSON-to-XML converter now checks for each JSON member name if its name can be converted into a valid XML element or attribute name. If this is not the case, an exception is thrown.

Check if your existing integration scenarios have processed invalid XML element or attribute names before.

The introduced enhancement can have an impact on existing integration flows containing the previous version of the JSON-to-XML converter.

See: [Limitations for JSON to XML Conversion](#)

Use Fast Exists Check for SFTP Adapter

You can now enable the Fast Exists Check for the SFTP sender and receiver adapter. This can be used to speed up the process if the FTP server has a lot of files.

See:

[Configure the SFTP Sender Adapter](#)

[Configure the SFTP Sender Adapter Used with the Poll Enrich Step](#)

[Configure the SFTP Receiver Adapter](#)

SDK API

Now you can consume the cluster lock feature from the Adapter API package.

Use cluster lock feature to prevent same message being processed by different runtime nodes simultaneously.

See: [SDK API](#)

Latest integration flow design guidelines

New guidelines published since mid of this year

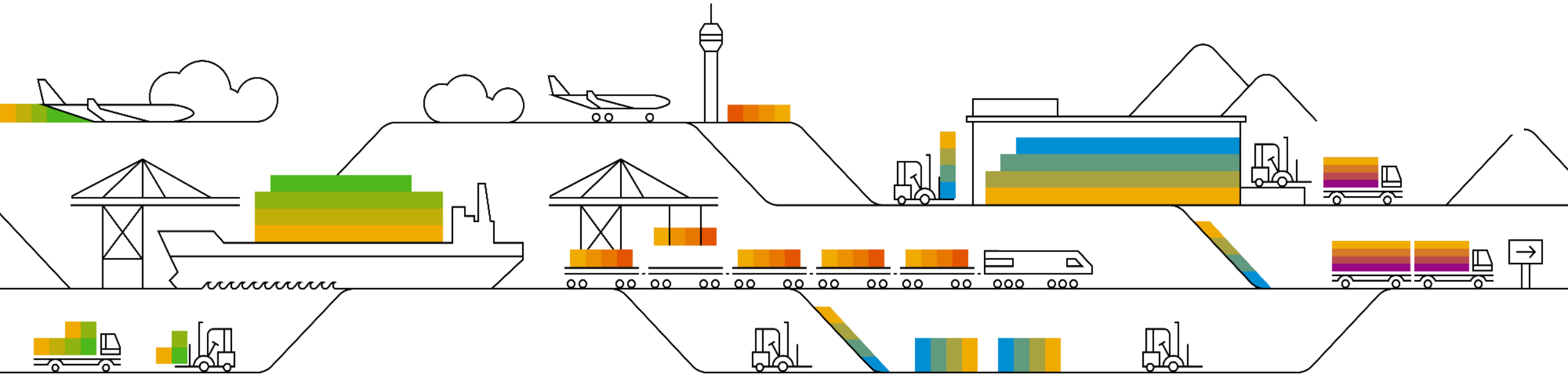
- Message mapping supporting JSON
- Decouple sender and flows
- Handle errors in successful responses
- Protect data integrity via message digest
- Scripting
 - Read URL path
 - Read GET parameters
 - Parse JSON
 - Script collection

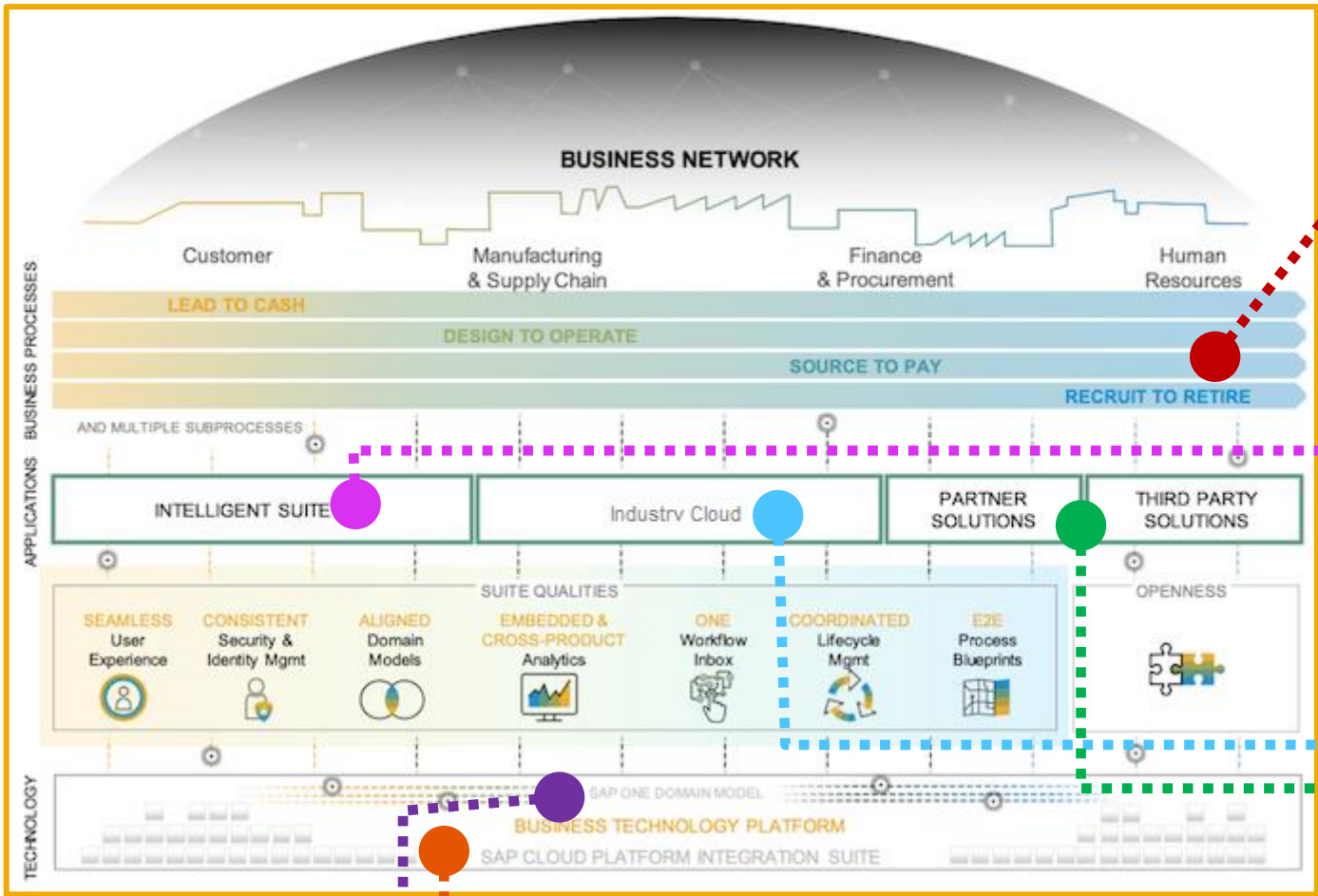
The screenshot displays the SAP Cloud Integration 'Script Collection' interface. On the left, a table lists 9 scripts, all of type 'Groovy Script'. The 'ParseJson' script is highlighted. On the right, the code for 'ParseJson.groovy' is shown, which imports necessary classes and defines a function to parse a message body into a JSON object and return it as a message property.

Name	Type	Actions
Scripts (9)		
GenericReceiver	Groovy Script	↓
MappingFunctions	Groovy Script	↓
MPLAttachment	Groovy Script	↓
MPLCustomHeader	Groovy Script	↓
ParseJson	Groovy Script	↓
ReadUrlGetParameters	Groovy Script	↓
ReadUrlPath	Groovy Script	↓
SecurityMaterial	Groovy Script	↓
ValueMapping	Groovy Script	↓

```
1 import com.sap.gateway.ip.core.customdev.util.Message;
2 import java.util.HashMap;
3 import groovy.json.JsonSlurper;
4
5 def Message parseJsonMessage(Message message) {
6     //Get message and parse to json
7     def json = message.getBody(java.io.Reader);
8     def data = new JsonSlurper().parse(json);
9
10    //get fields of the payload (service, resource & id)
11    message.setProperty("service", data.query.service);
12    message.setProperty("resource", data.query.entity.name);
13    message.setProperty("id", data.query.entity.id);
14    //get columns to be read
15    def numFields = data.query.entity.fields.size();
16    def fields = "";
17    for (int i=0; i<numFields; i++) {
18        fields += data.query.entity.fields[i].name;
19        if (i<numFields-1) fields += ",";
20    }
21    message.setProperty("fields", fields);
22
23    return message;
24 }
25
```

API Business Hub





Explore Categories

Explore all the resources available from SAP and its partners

[View All Categories](#)

APIs Find APIs to integrate and extend. ✓ 1020 REST APIs ✓ 667 ODATA V2 APIs ✓ 124 ODATA V4 APIs ✓ 888 SOAP APIs ✓ 19 Policy Templates	Integrations Explore integrations between different products. ✓ 2126 Integration Flows ✓ 165 Value Mappings	Events Explore all events in the SAP API Business Hub. ✓ 174 Event Objects	Workflow Management Explore all Workflow content packages from SAP Workflow Management. ✓ 35 Decisions ✓ 27 Visibility Scenarios ✓ 24 Processes
One Domain Model Discover One Domain Model content for deep out-of-the box integration, easy extension.	CDS Views Explore CDS view content from SAP.	Open Connectors Discover prebuilt connectors for seamless integration.	Business Processes Explore Business Processes for faster and seamless integration.

Discover Business Processes for Faster Integration

Accelerate integration by leveraging process blueprints.

[View All Business Processes](#)

Recruit to Retire Understand, manage, and optimize all aspects of workforce (employees and external workers).	Lead to Cash Cover the entire business process from initial contact with a prospective customer, to order fulfillment and service delivery.	Source to Pay Optimize, simplify, and effectively manage all spend processes and spend categories to drive business outcomes.	Plan to Fulfill Manage within Design to Operate the journey of a product through planning, manufacturing, and logistics.
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Choose a Product to Explore

See the various resources that each product has to offer

[View All Products](#)

S/4HANA® Cloud The next generation digital core designed to help you run simple in a digital economy. It provides the industry-specific capabilities and cloud benefits that your business needs.	S/4HANA® A future-ready ERP system with built-in intelligent technologies, including AI, machine learning, and advanced analytics which transforms business processes with intelligent automation.	Customer Experience Bring together customer data, machine learning technology, and microservices to power real-time customer engagements across sales, service, marketing, and commerce.	BTP Accelerate business outcomes with integration, data to value, and extensibility.
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Explore Industries and Industry Cloud

Explore all the resources available from industries

[View All Industries](#)

Automotive Deliver innovative solutions on the road to new mobility, while running a profitable automotive business.	Consumer Products Embrace intelligent technologies and next-gen business processes to deliver personalization with a purpose.	Engineering Constructions and Operations Convert bids into profitable contracts and deliver projects on time and on budget by digitalizing expertise and assets.	Industrial Machine and Components Engage customers by delivering personalized, smart products and solutions at scale and as a service.
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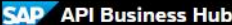



Partners

Explore different categories of resources from our partners


[View All Partners](#)


qualtrics ^{XM}	REPLICON TM	Avalara	VERTEX
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Industry view on the SAP API Business Hub

[Explore](#)[Resources](#)[Discover Integrations](#)[Partner with Us](#)New SAP API Business Hub ☒[Login](#)


Explore Industries and Industry Cloud

 Find in Industries




Automotive

Deliver innovative solutions on the road to new mobility, while running a profitable automotive business.




Consumer Products

Embrace intelligent technologies and next-gen business processes to deliver personalization with a purpose.




Engineering Constructions and Operations

Convert bids into profitable contracts and deliver projects on time and on budget by digitalizing expertise and assets.




Industrial Machine and Components

Engage customers by delivering personalized, smart products and solutions at scale and as a service.




Professional Services

Meet client needs and generate revenue by blending data and processes and managing workers in the cloud.



Retail

Give shoppers and consumers the products and personalized shopping experiences they want.

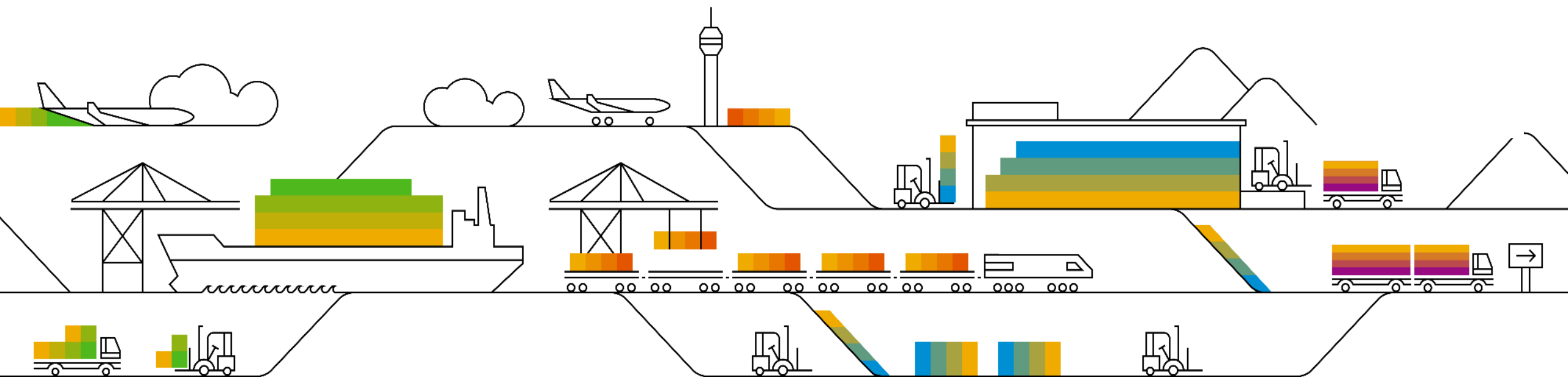


Utilities

Inspire and shape a digital world by reinventing power generation, transmission, distribution, and retail.

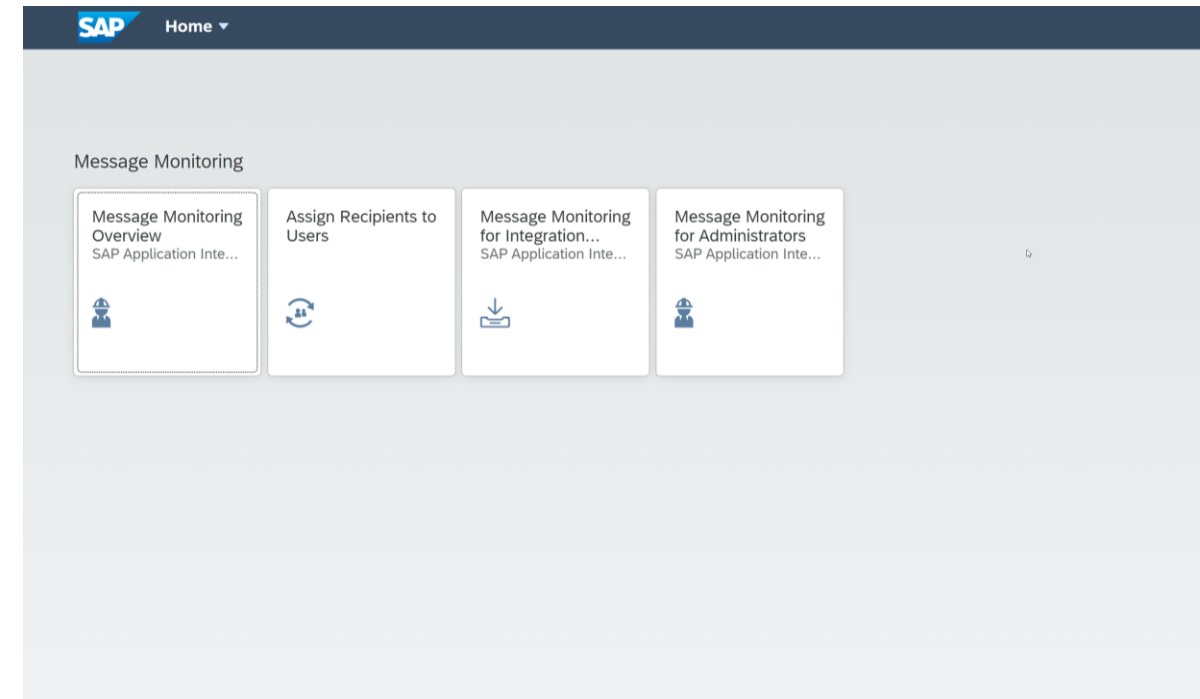
FEEDBACK

Process Orchestration and AIF

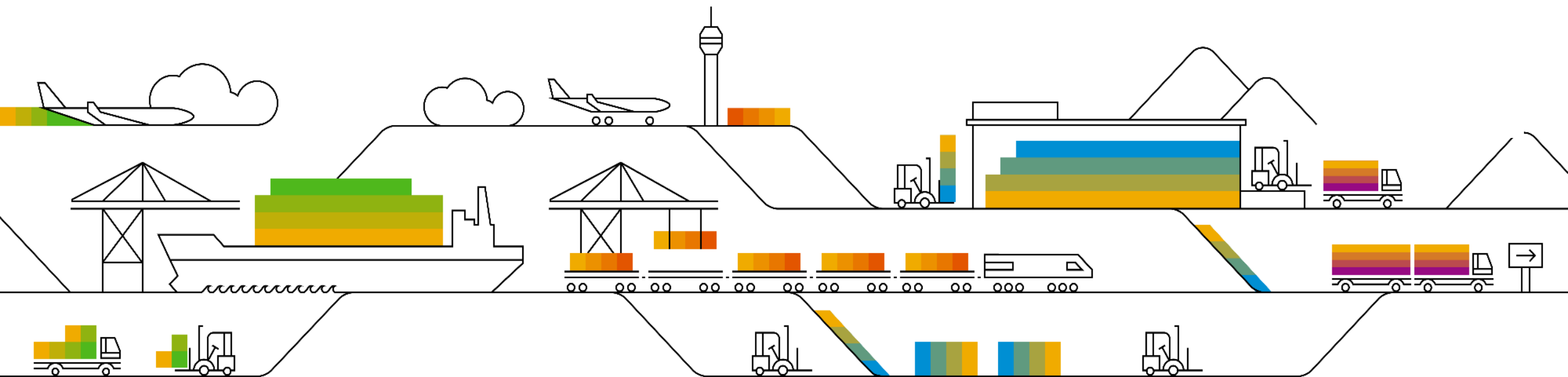


Latest Application Interface Framework features with SAP S/4HANA 2021

- Customer-specific automatic restart of SAP delivered AIF interfaces
- Preprocessing for outbound Web Services and Proxies
- SAP Fiori UX monitor
 - Monitoring efficiency (hints, data links, etc.)
 - Monitor for Integration Expert
 - Monitor for Administrator
- Using standard read access log
- AIF Trial



Integration Advisor



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

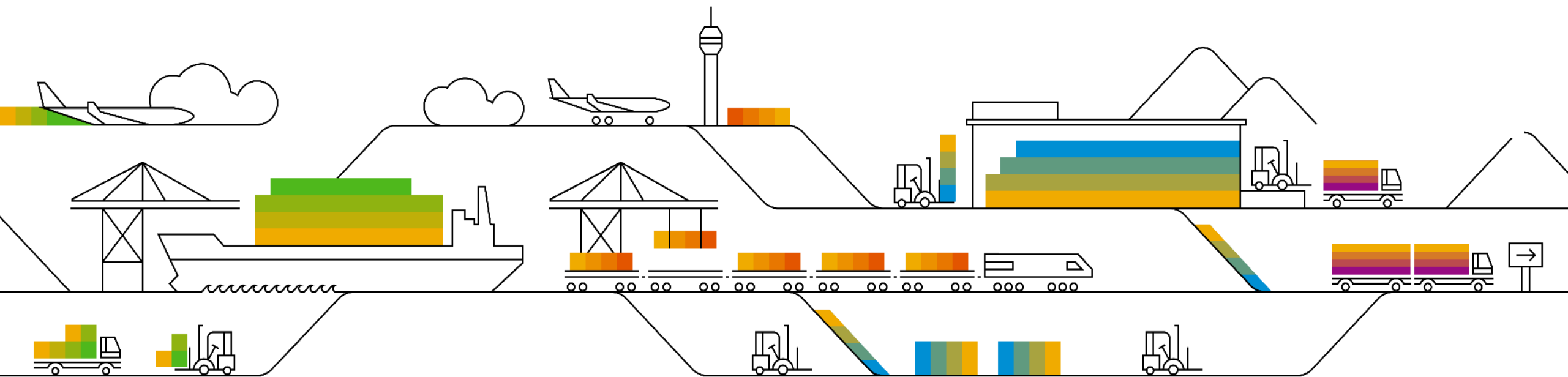
Duration: 20 mins

Moderator: Gautham (gautham.krishna@sap.com)

Note: “Interact with #IntegrationBlackBelt” section will transition to alternate months.



#AskAnythingIntegration



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