



The Hybrid Integration Platform from SAP for Your Integration Needs

INT100

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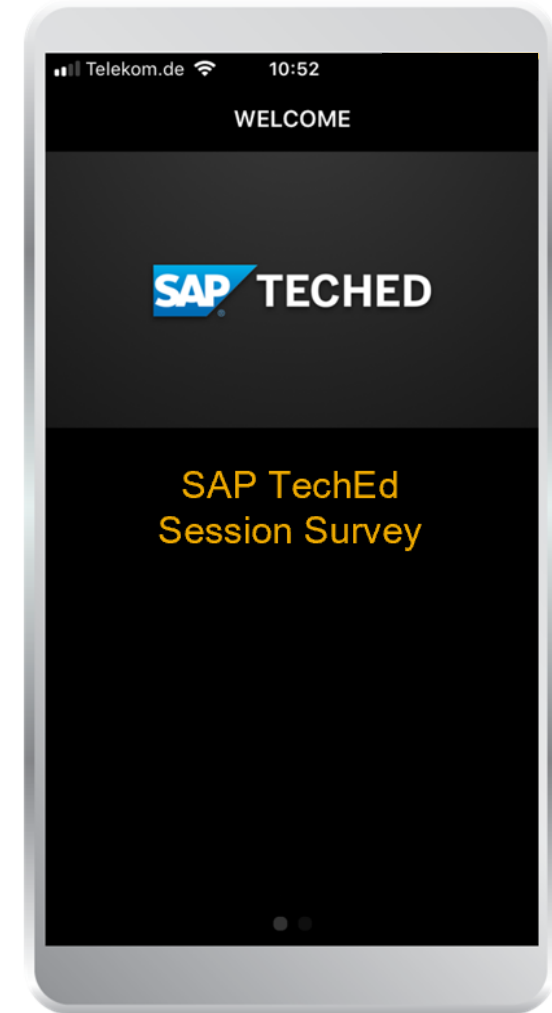
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Agenda

Hybrid Integration Platform – Overview

Hybrid Integration Platform – In Detail

Links for Further Reading

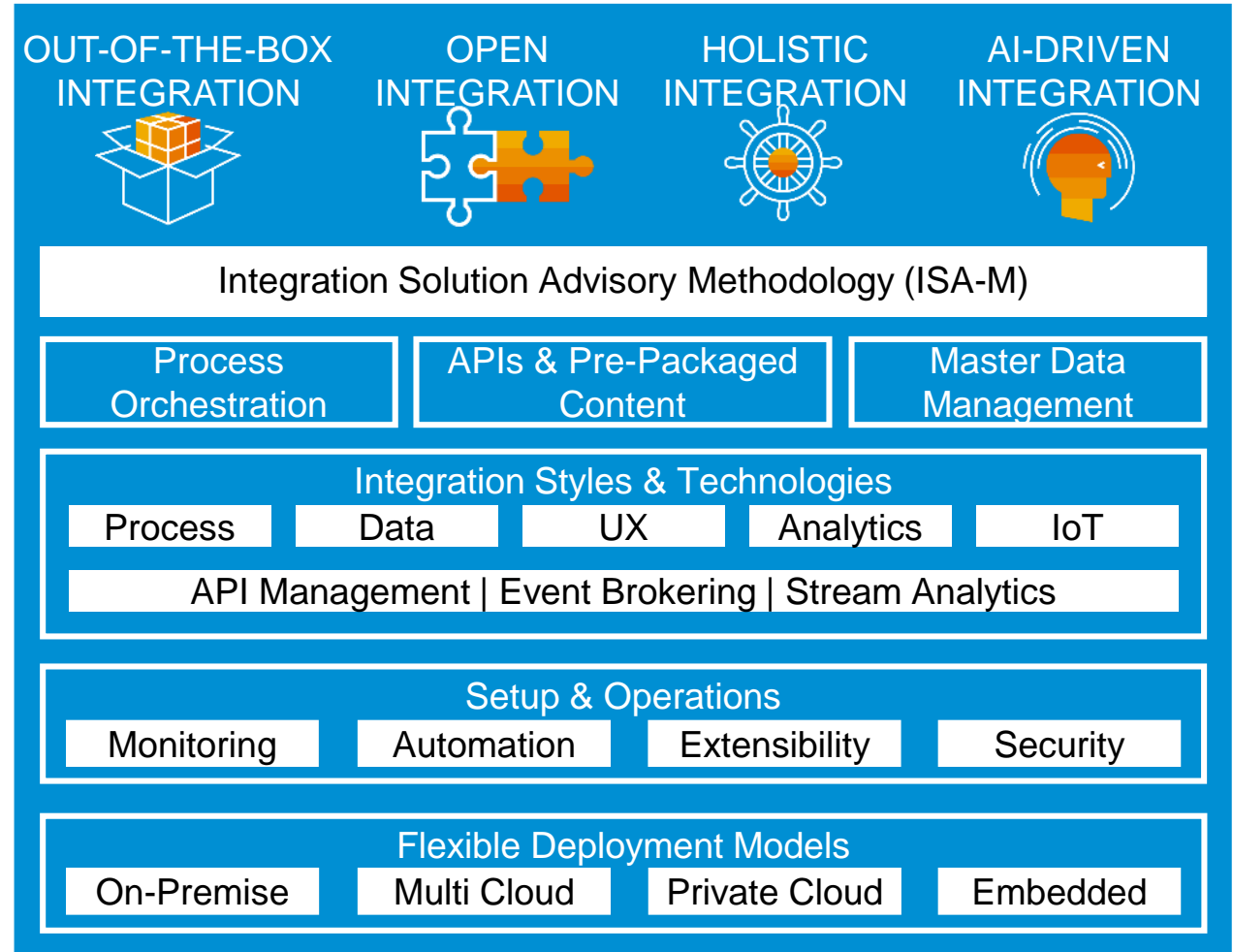
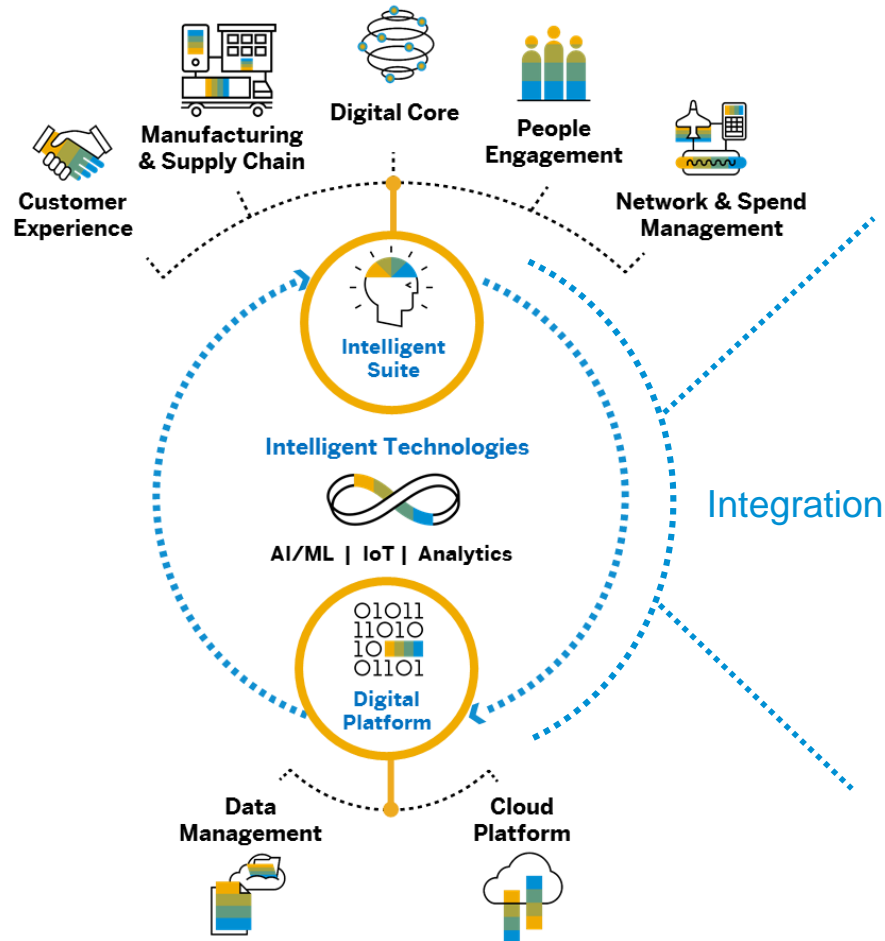


Hybrid Integration Platform – Overview



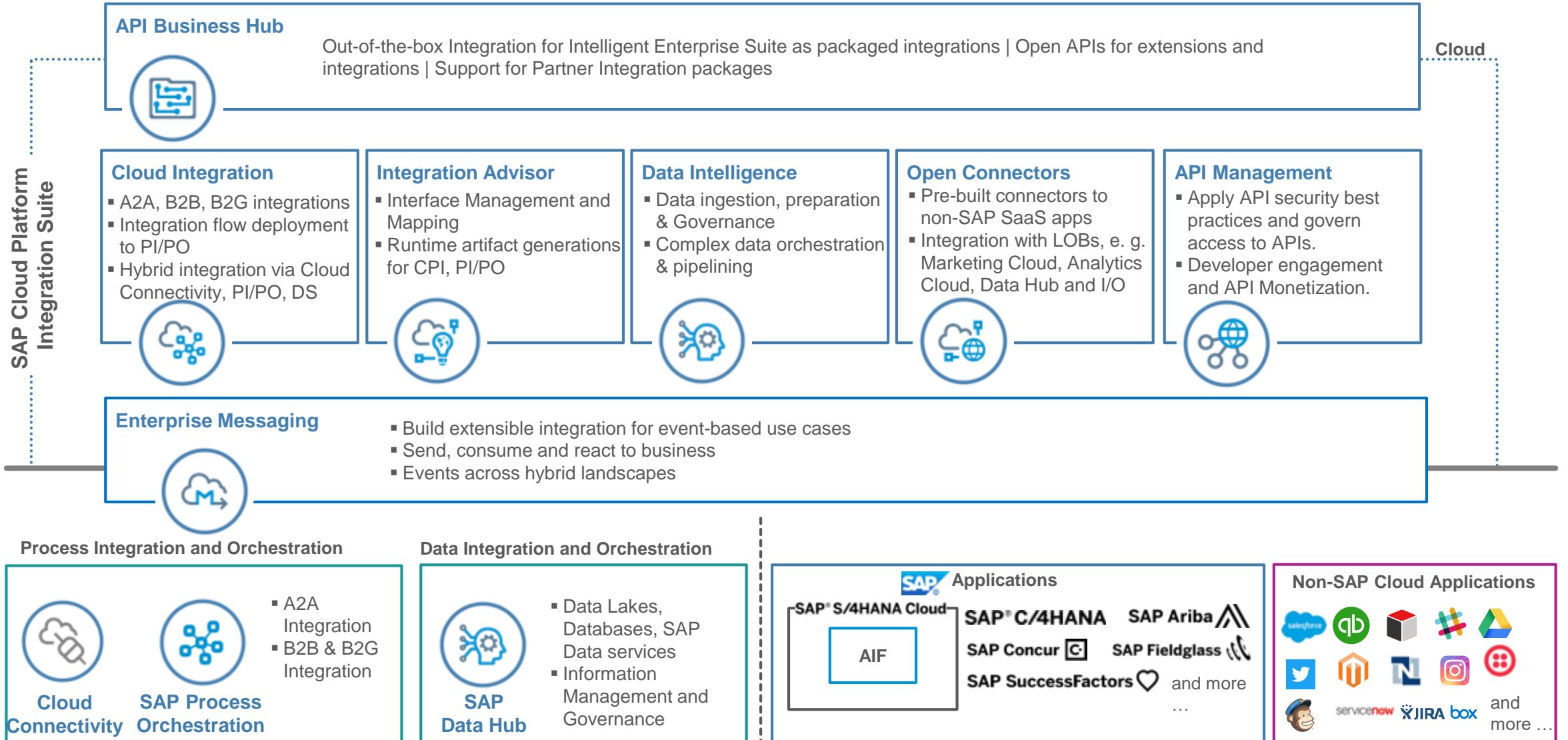
Only an integrated enterprise is an Intelligent Enterprise

Integration is a key prerequisite for a successful digital transformation



Hybrid Integration Platform

Enterprise Integration Suite for hybrid and heterogenous environments

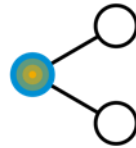


Simplified integration with SAP



Out-of-box Integrations

1100+ prepackaged integrations



Semantic APIs

1000+ APIs from SAP and partners



Open Connectors for hub-based integrations

160+ connectors to 3rd party apps



Machine learning automate interfaces & mappings

Integration Advisor



Pay-as-you-go per Cloud-deployment

Cloud-native architectures, Cloud credits



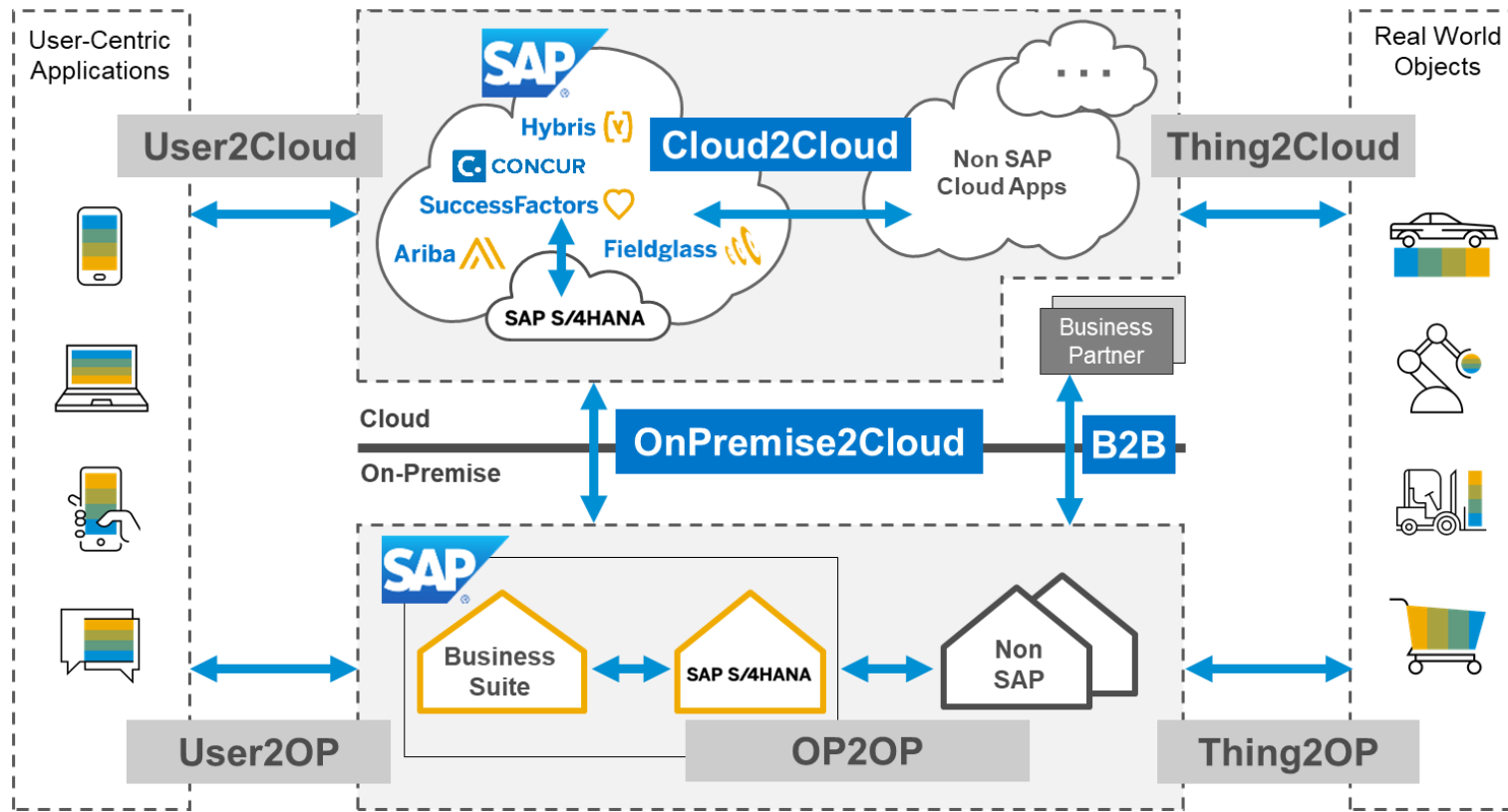
Multicloud deployment offering

SAP | hyperscale IaaS | Private cloud

SAP hybrid system landscapes

SAP-to-SAP cloud and hybrid integration scenarios

Integration Domains



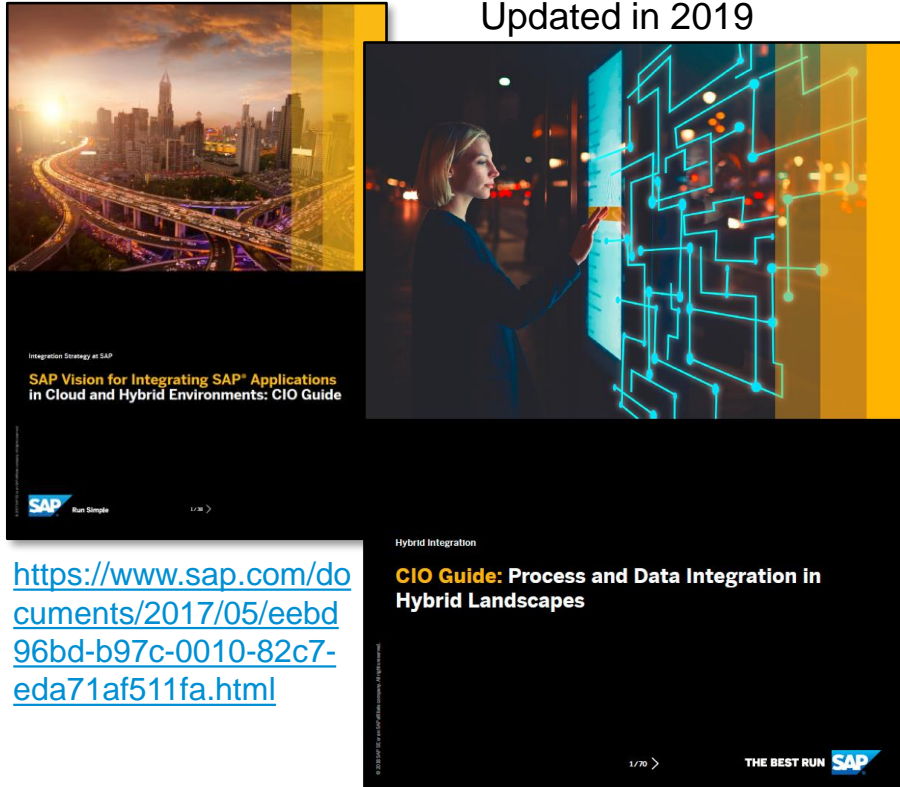
Integration Use Cases

- A2A Integration
- Master Data Synchronisation
- B2B Integration
- Data Integration
- Data Virtualization

CIO guides for **integration**

Two complementary guides for enterprise architects

Updated in 2019



<https://www.sap.com/documents/2017/05/eebd96bd-b97c-0010-82c7-eda71af511fa.html>

<https://www.sap.com/documents/2018/06/de3238a0-077d-0010-87a3-c30de2ffd8ff.html>

Table of content

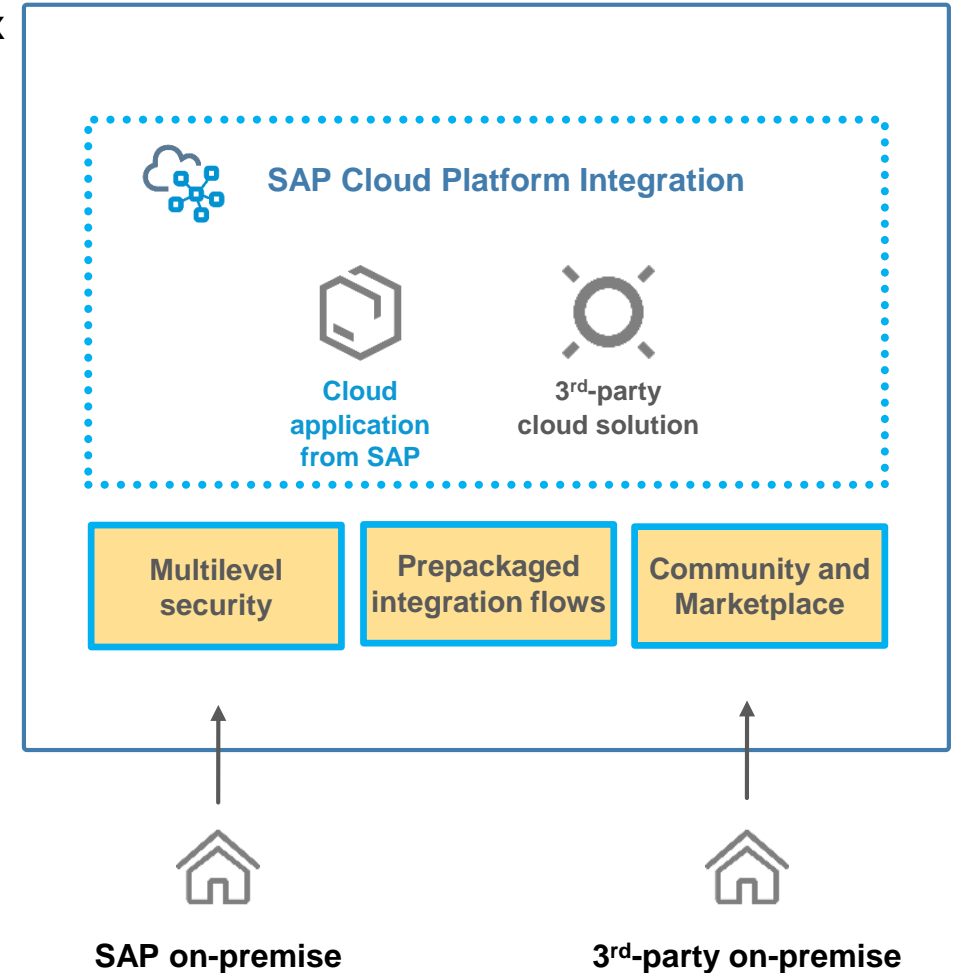
- Integration strategy for the Intelligent Enterprise - *new*
- Integration Solution Advisor Methodology
- APIs and integration content in SAP API Business Hub
- Process integration - *updated*
- B2B integration
- Data integration - *updated*
- UX integration - *new*
- End-to-end integration monitoring - *new*
- Transition path to SAP S/4HANA and cloud integration
- Integration automation

Hybrid Integration Platform – In Detail



Product Innovations

- **Adding and enhancing connectivity options**
Focus on Non-SAP integration, e.g. AS4, Open Connectors, German tax
- **1,100+ predefined integration flows and value mappings**
~50% non-SAP integration, e. g. **integration with Salesforce**
- **Increased developer productivity**
Version migration, integration flow and adapter copy, auto-save, context sensitive navigation from web UI to product documentation
- **Availability on AWS incl. public trial**
- **Self-service to subscribe to SAP Cloud Operations notifications**
- **Self-service of SAP Cloud Platform Integration tenants**
Consumption-based license model
- **Activating Enterprise Messaging Capabilities**
For any cloud integration license; includes AS2 & JMS adapters
- **Additional Integration Advisor capabilities**
SAP type systems; available via consumption-based license model, re-use of mapping functions, code value proposals
- **Additional monitoring capabilities** with a Where-User function to find out integration flows in which a queue is used and whether integration flows write to or consume a queue, or both
- **Regression tests of customer integration flows**



Seamlessly and intelligently build & maintain integration content:

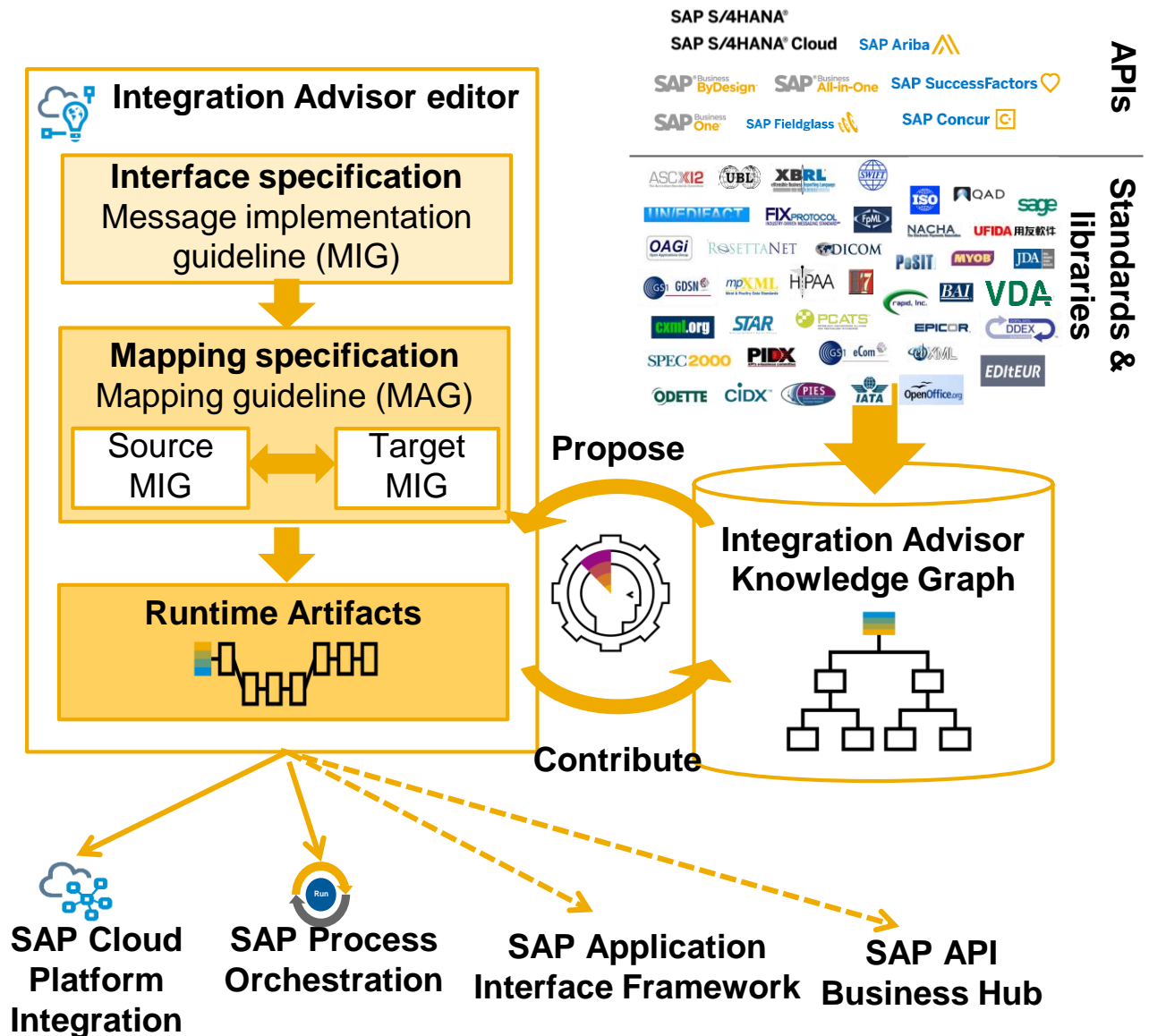
SAP Cloud Platform Integration Advisor

Intelligent content management system

- Complete data dictionary for integration
 - SAP meta models of APIs (SOA, OData, IDoc)
 - International standards (ASC X12, UN/EDIFACT, ...)
- Proposal service via machine learning & crowd sourcing
- Automatic generation of
 - Documentation
 - Runtime artifacts
 - Validation rules

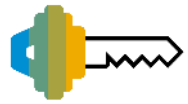
Part of SAP Cloud Platform Integration, enterprise edition

Integration Advisor is designed to accelerate every interface implementation, to learn continuously and to reduce efforts by 60% or more.



SAP Cloud Platform Integration

Integrate cloud applications into your application landscape with ease



Key capabilities

- **Prepackaged content** to integrate SAP and non-SAP applications
- **Web based tool** for discovering out-of-the-box content, modeling, and monitoring integrations
- **Support of process, data, mobile, and IoT integration use cases:** Allows to integrate processes as well as master data between cloud- and on-premise applications
- **Strong focus on security** such as data isolation, multi-tenancy and message payload level encryption

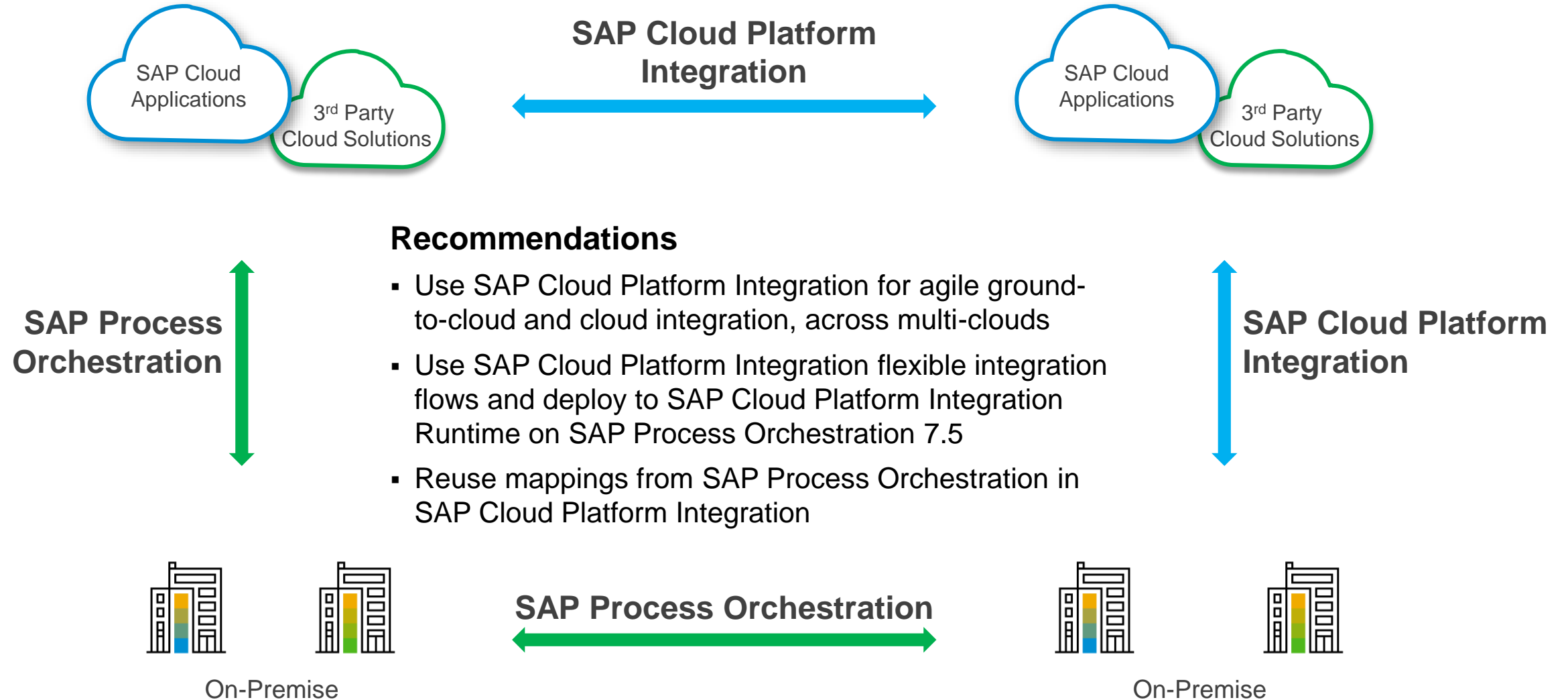


- **Rich set of connectivity options and standard adapters** for A2A and B2B integration: both provided by SAP as well as by partners.
- **Adapter SDK** to build own custom adapters for additional connectivity needs
- **High-Performance messaging queueing:** provided by the SAP Cloud Platform Enterprise Messaging service
- **Asset interoperability:** Integration mappings from SAP Process Orchestration can be readily reused in SAP Cloud Platform Integration

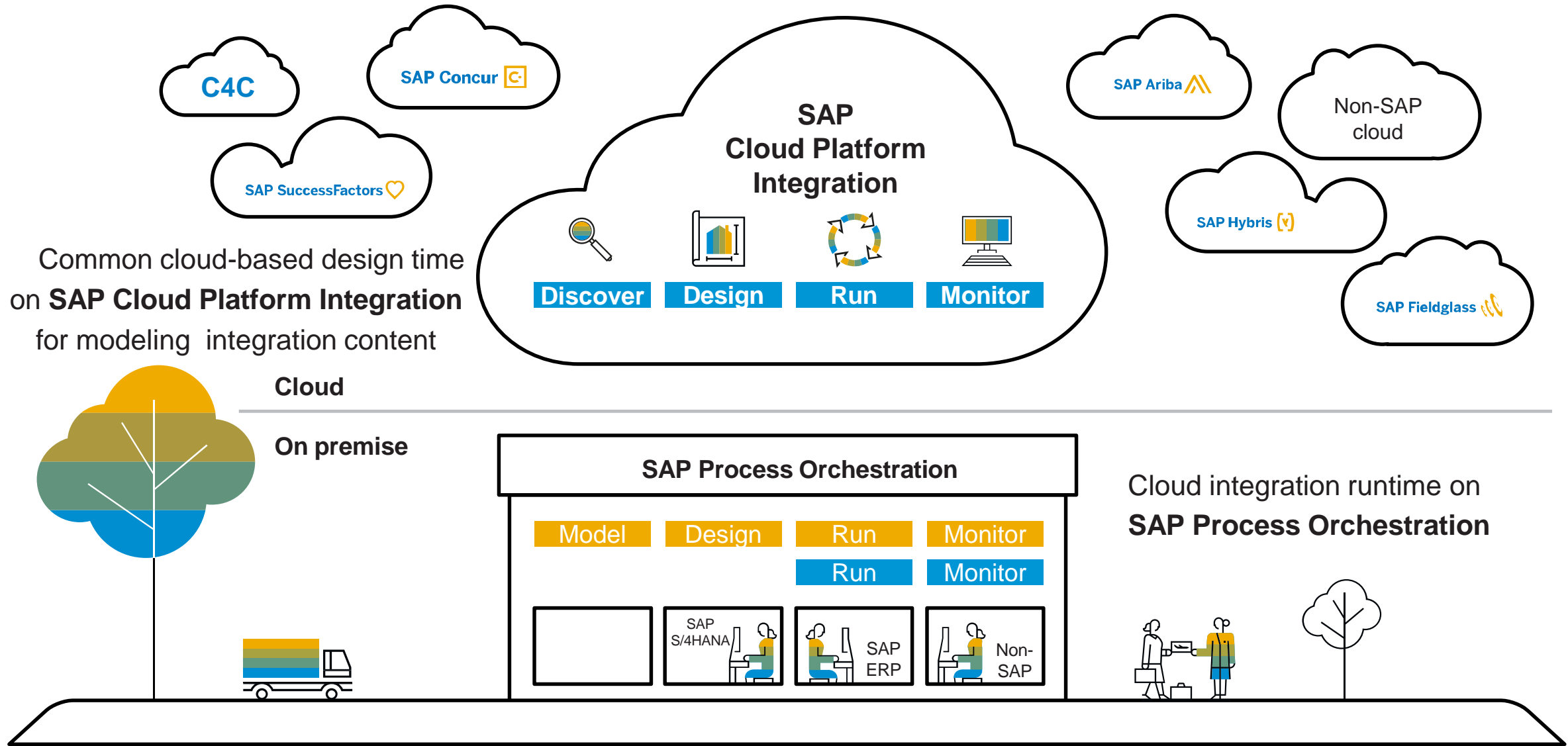
Integration solution cloud vs. on-premise

	SAP Cloud Platform Integration	SAP Process Orchestration
Deployment	Cloud based service offering hosted by SAP	On-premise installation in customer landscape
Responsibility	SAP	Customer
License model	Subscription or consumption-based model	Product license & annual fees
Architecture	<ul style="list-style-type: none"> ▪ Rolling software update ▪ Virtualization, multi tenancy, data isolation ▪ Automated failover 	<ul style="list-style-type: none"> ▪ Single tenant solution, no built-in virtualization capabilities ▪ Failover to be configured by customer ▪ nZDM for SP / EHP updates
Operations	<ul style="list-style-type: none"> ▪ By SAP Cloud managed services ▪ Integrated with Service Provider Cockpit (internal) ▪ Local monitors, SAP Solution Manager, FRUN 	<ul style="list-style-type: none"> ▪ By customer ▪ Integration with SAP Solution Manager; FRUN ▪ Local monitors
Preferred use cases	<ul style="list-style-type: none"> ▪ Cloud – cloud integration ▪ Cloud – on-premise integration 	<ul style="list-style-type: none"> ▪ On-premise integration ▪ Cloud – on-premise integration

Hybrid Integration Platform for customers leveraging SAP Cloud Platform Integration and SAP Process Orchestration



Application integration in hybrid environments



Integration content re-use at SAP Process Orchestration

Cloud integration content re-use across SAP's integration platforms

Deploy, run, and monitor cloud integration content on SAP Process Orchestration

- SAP Cloud Platform Integration capabilities as documented in [Supported Components, Adapters, and Events](#)
- Deployment either via file export/import or directly accessing the SAP Cloud Platform Integration tenant
- Mass deployment supported
- Show cloud integration content messages in message overview monitor
- See FAQ note [2428801](#)

The screenshot displays the 'SAP Cloud Integration Content Management Cockpit' interface. The main heading is 'INTEGRATION CONTENT', with sub-sections for 'SECURITY ARTIFACTS' and 'END POINTS'. Below this, the 'Deployed Cloud Integration Content' section features a table with columns for Name, Overall Status, Type, and Vendor. The table lists various content items, including 'Default', 'MappingViewerQ2', and 'SuccessFactors LMS Curricula with SAP HCM Qualificatio...'. Two items, 'LMSValueMappingProject' and 'SFSF Curriculum Catalog', are highlighted with green status indicators and labeled as 'Started'.

Name	Overall Status	Type	Vendor
Default			
MappingViewerQ2			
C5250257			
com.prism.csv2xml.converter			
C5176520			
SuccessFactors LMS Curricula with SAP HCM Qualificatio...			
• LMSValueMappingProject	Started	Value Mapping	content.sa
• SFSF Curriculum Catalog	Started	Integration Flow	content.sa
Aqua_Q2			
SAP Hybris Cloud for Customer Integration with SAP ERP			
New Integration Package 1484651580066			
Concur Integration: Data Replication and FI Posting			
<TestGBDeployServlet>			
com.prism.sfsf.odataV4.createOps			
Team Red Test Tool			

SAP's eDocument solution helps customers to get ready for the new

Spanish SII electronic VAT reporting system



As tax administrations go digital, it is key for companies across the globe to comply with government regulations flexibly and with zero business disruption. One such example is the incorporation of a new Tax Control System for Spain (Suministro Inmediato de Información –S.I.I.) for which SAP's eDocument solution provides an out-of-the box solution.

Before: Challenges and Opportunities

Enable compliance with Spanish SII legislation which mandates taxpayers to provide the data related to invoices & payments, issued and received, to the tax authorities within a four-day timeframe.

- Invoice data need to be shared with the Spanish Tax Agency (AEAT) in mandatory XML schemas
- Need to connect to the SII system over a secure communication channel for a synchronous exchange

Why SAP

- eDocument Solution that combines the interface management capabilities of SAP Application Interface Framework with the capabilities of SAP Cloud Platform Integration for B2G communication
- Quick and efficient data exchange of e-documents based on xml standard
- Higher security as a result of simplified integration
- Maintenance of legal changes across all components in one hand by SAP Globalization Services
- Full integration with ERP system
- Including exchange of VAT reports generated outside of the SAP ERP system through the eDocument cockpit for seamless communication and monitoring

After: Value-Driven Results

- Speedy implementation thanks to pre-packaged integration content
- Adherence to the complex security requirements of e-communication
- Ability to react faster in response to changes in legal regulations
- Global, standard solution that can be leveraged for multiple scenarios in several countries

Maximum Agility

Tax Audit Compliance

Already 500+ customers

Zero Disruption

Quickly Complying with New Spanish Tax Requirements Using **SAP® Solutions**

KARL STORZ SE & Co. KG
Tuttlingen, Germany
www.karlstorz.com

Industry
Life sciences

Products and Services
Endoscopes, medical instruments, and devices

Employees
>7,000 in more than 40 countries

Revenue
€1.6 billion

SAP® Solutions

SAP® ERP application, option for e-document processing; the SAP Application Interface Framework tool; and SAP Process Orchestration technology

KARL STORZ, the leading manufacturer for endoscopy instruments and devices, had to comply quickly with a newly introduced VAT management system in Spain that requires billing records from VAT books to be transmitted electronically. Using the option for e-document processing for SAP ERP combined with the SAP Application Interface Framework tool, records are communicated using SAP Process Orchestration – helping ensure fast compliance at a low cost.

Before: Challenges and Opportunities

- Enable compliance with a newly introduced tax control system by the Spanish tax authority – the “Immediate Supply of Information on VAT”
- Complete the project quickly in order to meet the regulator’s deadline
- Use SAP Process Orchestration – the integration platform of choice for KARL STORZ

Why SAP

- E-document framework provided by the SAP Globalization Services organization, which can be applied to different local tax regulations but which also leverages their similarities, thus leading to a consistent user experience and lower operational costs
- Prepackaged integration content that adheres to the Spanish tax authority’s communication and security requirements

After: Value-Driven Results

- Compliance with the Spanish tax authority for electronically transmitting billing records from VAT books
- Simple integration of the SAP ERP application at KARL STORZ with the tax authority system, thanks to prepackaged content from SAP
- Ability to react faster in response to changes mandated by the tax authority

“At KARL STORZ we take pride in assuring the highest product standards. With the option for e-document processing for SAP ERP, we can now apply **equally high standards to our business-to-government invoicing in Spain.”**

Günther Meuche, Global Vice President Information Technology, KARL STORZ SE & Co. KG



100%

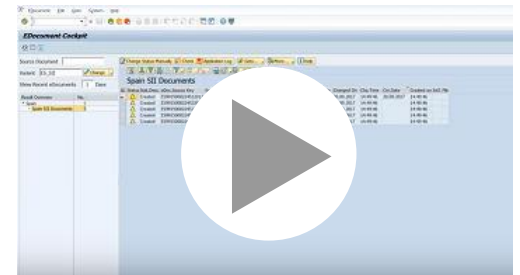
Compliance with tax regulations

Low

Implementation costs thanks to prepackaged integration content

Flexible

Deployment options that meet internal integration policies



Click above to see more about the SAP eDocument Solution for Spain - Electronic VAT Register Books with SII using SAP ERP

Recent customer engagement Initiatives for SAP Process Orchestration

B2B add-on

- Scope: Collect feedback for new b2b add-on release and beyond
- Timeline: From July 2018 until January 2019
- 12 participants in total: 4 customers & 8 partners
- Have run feedback calls & on-site workshops
- Release 2.0 shipped end of Nov. 2018



Test tool

- Scope: New test tool as part of SAP Process Orchestration for reducing test effort in case of migration, and regression testing
- Timeline: From July 2018 until April 2019
- 21 participants in total: 14 customers & 7 partners
- Have run feedback calls, an on-site workshop & beta shipment
- Shipment of first scope with 7.5 SP14 in March 2019
- Project closed in April 2019



Holistic interface handling by SAP Application Interface Framework

SAP Application Interface Framework

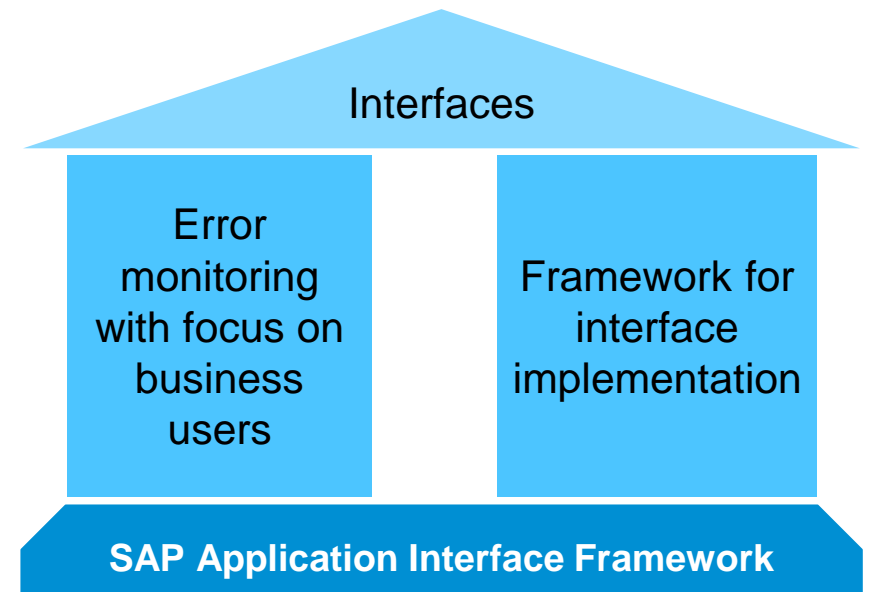
- A powerful framework for interface implementation, monitoring, and error handling
- A proven solution with more than eight years of development and customer history
- A cross-industry solution with customers from 25 industries
- Integral part of SAP S/4HANA

Interface implementation (design time)

- Interface implementation mainly through customizing menus
- Easy access to relevant data or functions of underlying SAP application
- Re-use of interface components (e.g. checks, mappings, actions)
- Supports variants of interfaces (exceptions or additional steps)
- Independent implementation and testing of interface components and interface variants

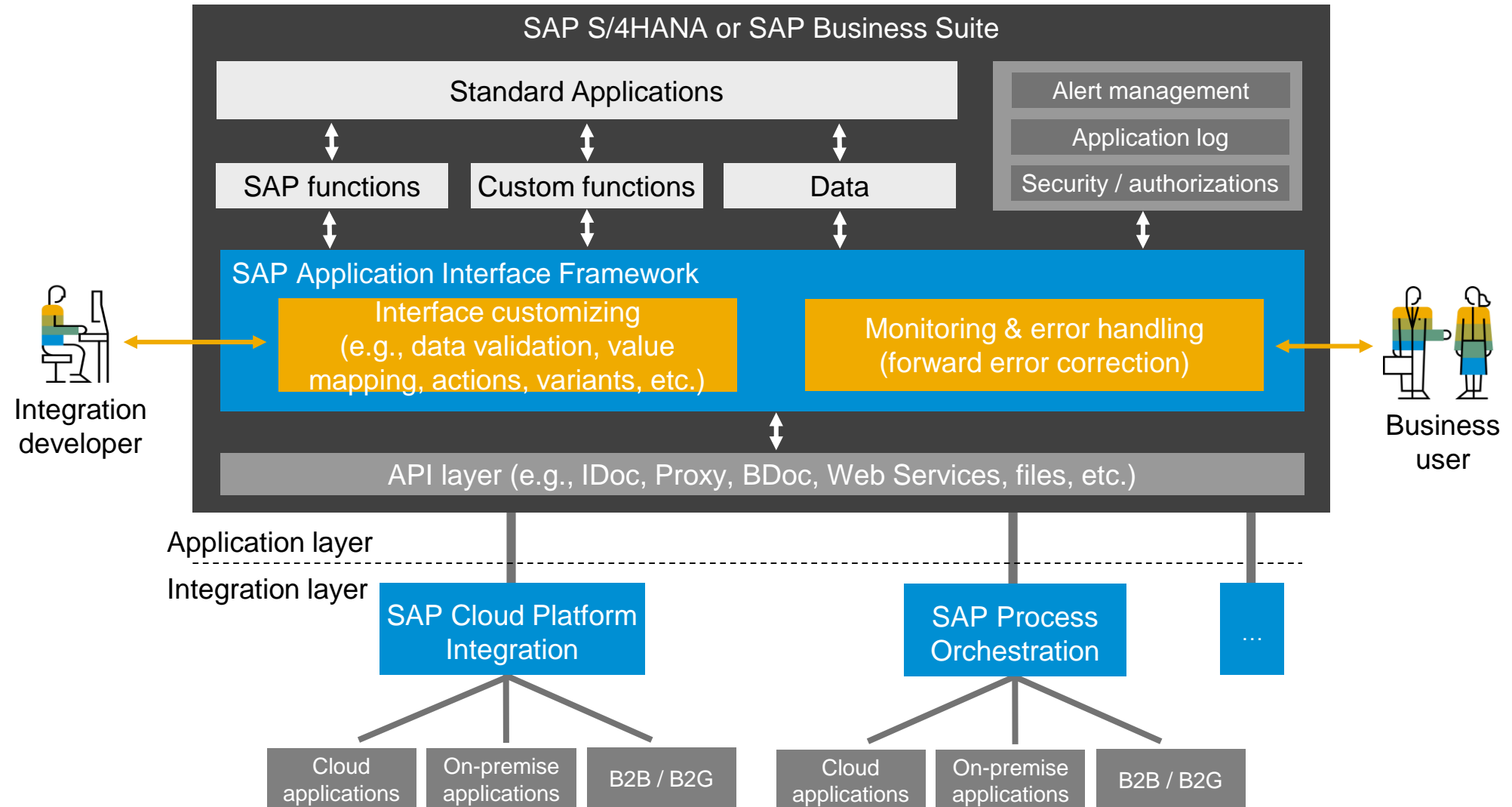
Monitoring and error-handling (runtime & operations)

- Business user monitoring (power user)
- Customizable authorizations for interface access
- Overview of interface status



SAP Application Interface Framework

High level architecture



SAP Application Interface Framework

Benefits for the IT, line of business & management

Benefits for the IT

A framework for interface implementation, improving governance through interface lifecycle

→ **Simplified interface landscape and architecture**



Benefits for the line of business

Easy and efficient interface monitoring targeted at line of business users

→ **Reduced time needed for error handling**



Benefits for the management

Transparency, governance, **cost savings**, and **compliance**

→ **Controlling interface landscape & the budget**

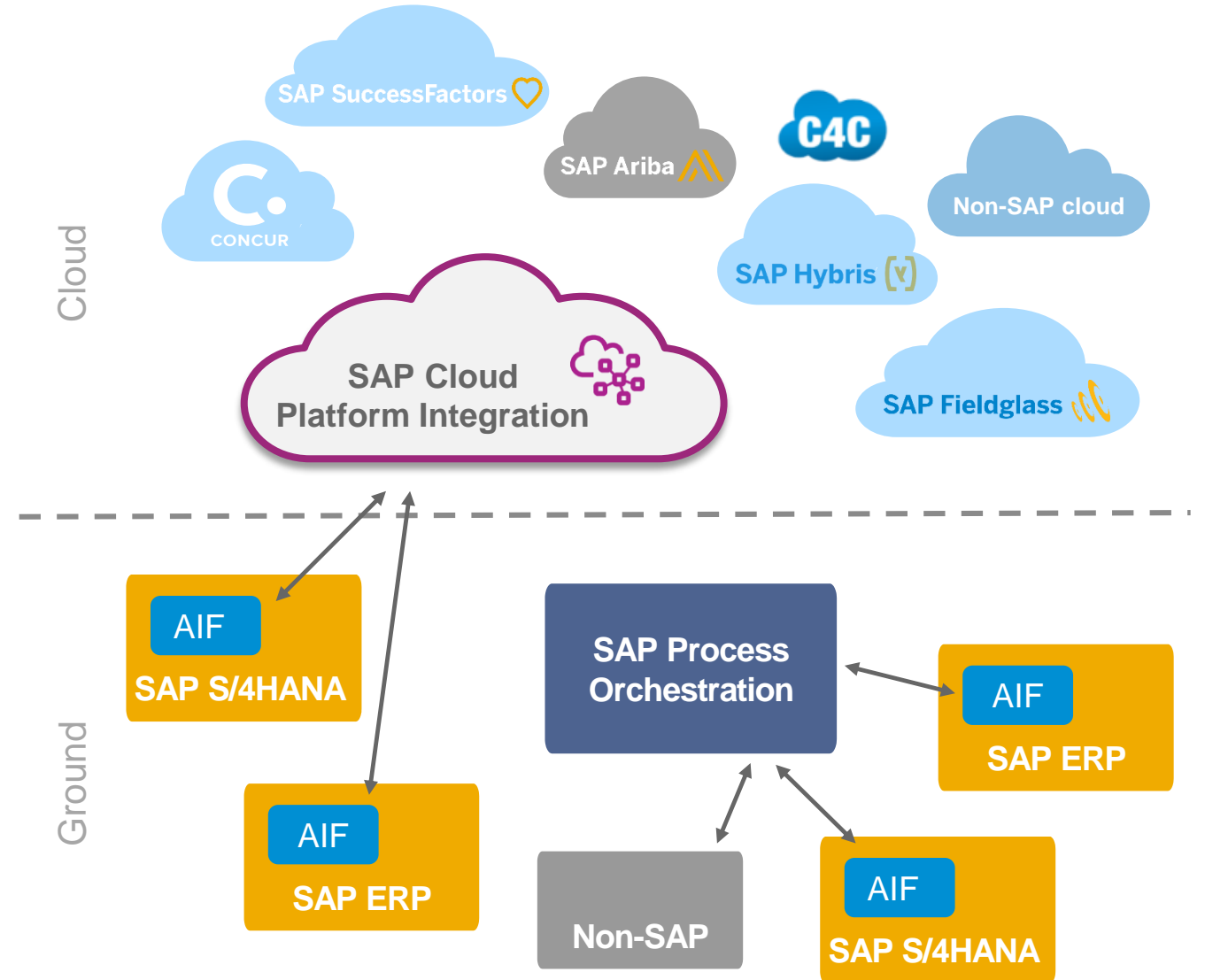


Joint usage of AIF and SAP's middleware offerings

Positioning

- SAP Process Integration / SAP Process Orchestration / SAP Cloud Platform Integration are **integration platforms**
- SAP Application Interface Framework is an integration add-on for your **business applications**

They have different capabilities and purposes



Joint usage of SAP Application Interface Framework and SAP's middleware offerings

General recommendations (II)

In a landscape with SAP Application Interface Framework (AIF) and SAP Process Integration for instance, this would mean:

Business logic into SAP AIF, not in integration platform!

Typical business logic patterns:

- **Calculations**
- **Validations**
- **Checks**
- **...**

Integration logic in integration platform, not in SAP AIF!

Typical integration logic patterns:

- **Mapping of data structures from different sender formats to SAP AIF format**
- **Routing of messages**
- **Connectivity to various protocols (FTP, RFC, JMS, etc.)**

SAP Cloud Platform Open Connectors

Simplify connectivity to 160+ 3rd party applications

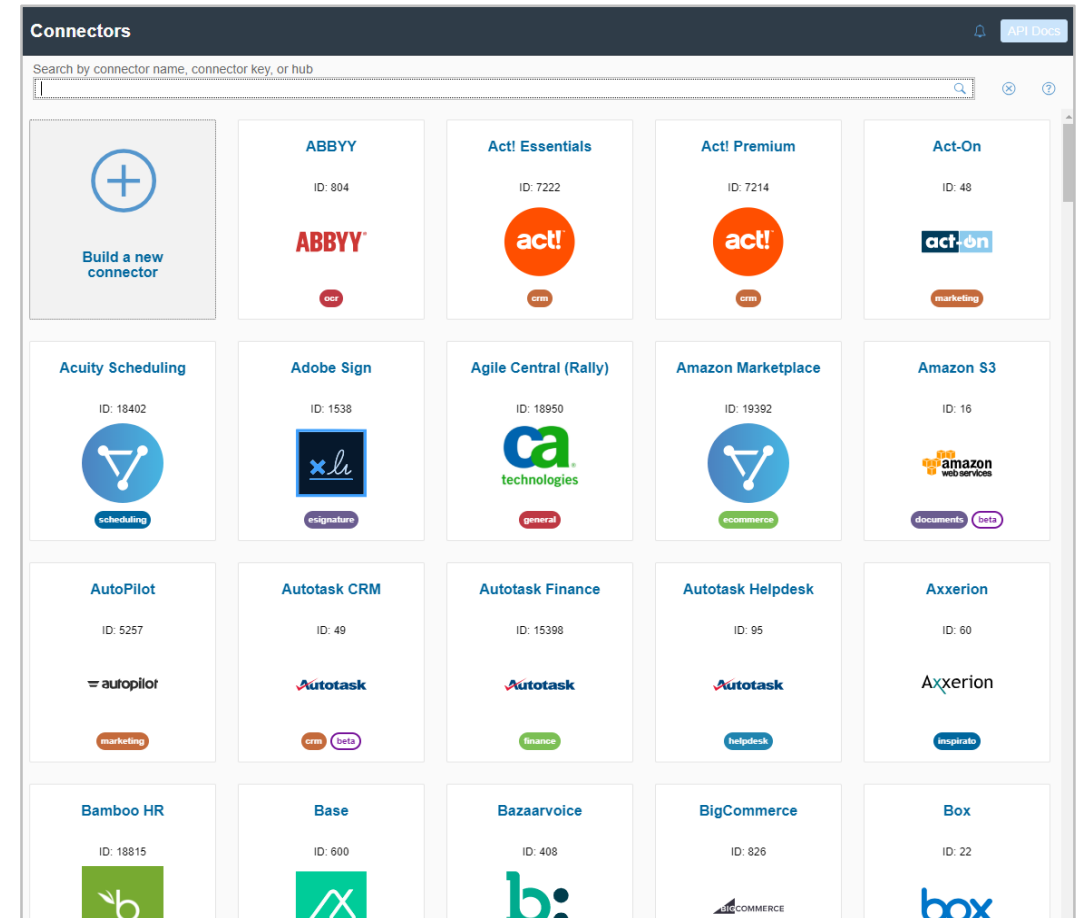
CAPABILITIES

- Feature rich connectors to 160+ non-SAP applications
- Select connectors you need and authenticate via the providers
- Build your own connector with Connector builder with normalized features including authentication, pagination, errors and search



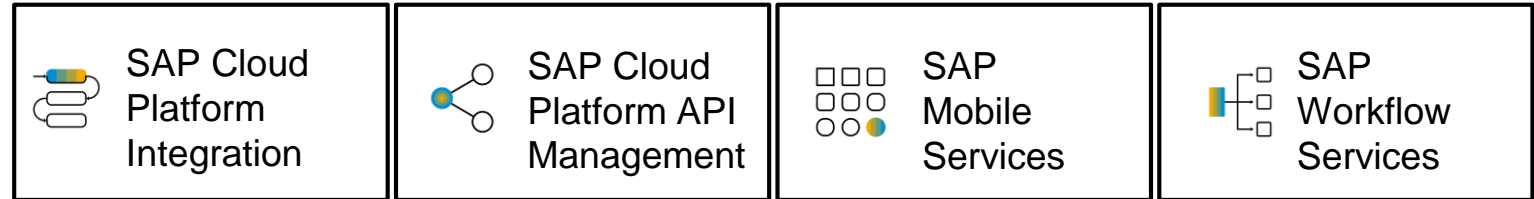
BENEFITS

- Easily connect to top SaaS applications in use
- Open RESTful APIs and JSON data format embeddable easily within any product
- Power your business agility incorporating real time data from non-SAP applications

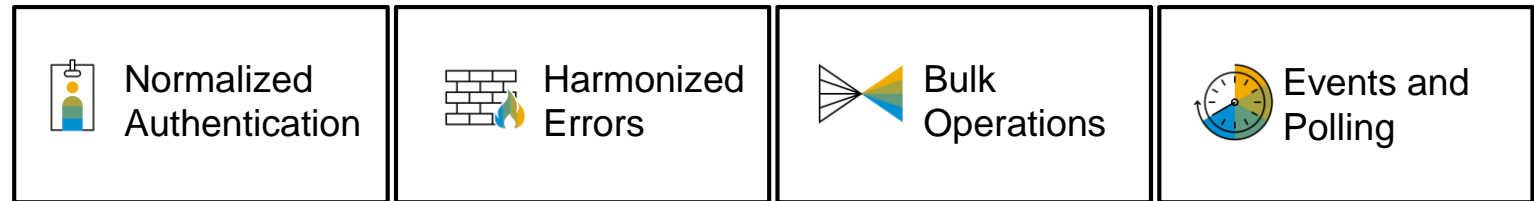
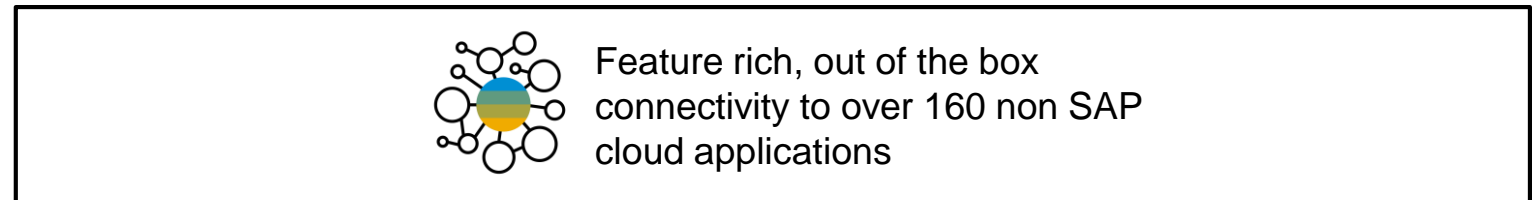


SAP Cloud Platform Open Connectors

High level architecture

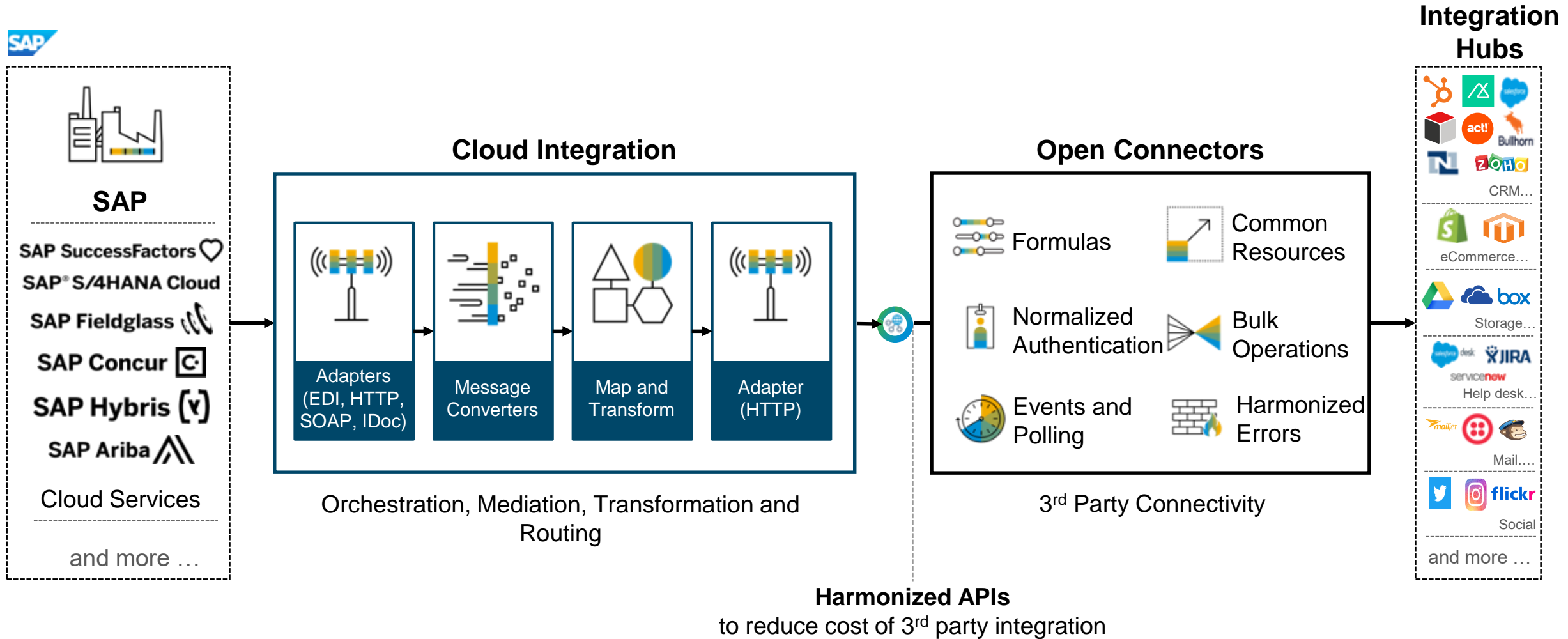


SAP Cloud Platform Open Connectors



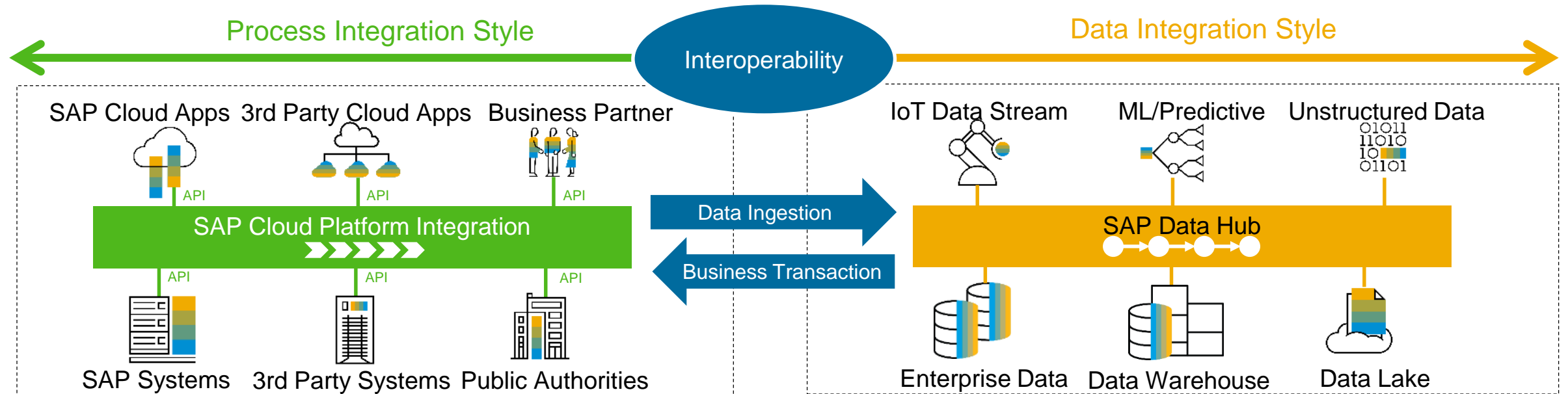
SAP Cloud Platform Open Connectors: Hub-based (1→N) integrations

Simplicity and increased agility with harmonized APIs



SAP Cloud Platform Integration and SAP Data Hub

Technology guidance



Key Use Cases and Characteristics

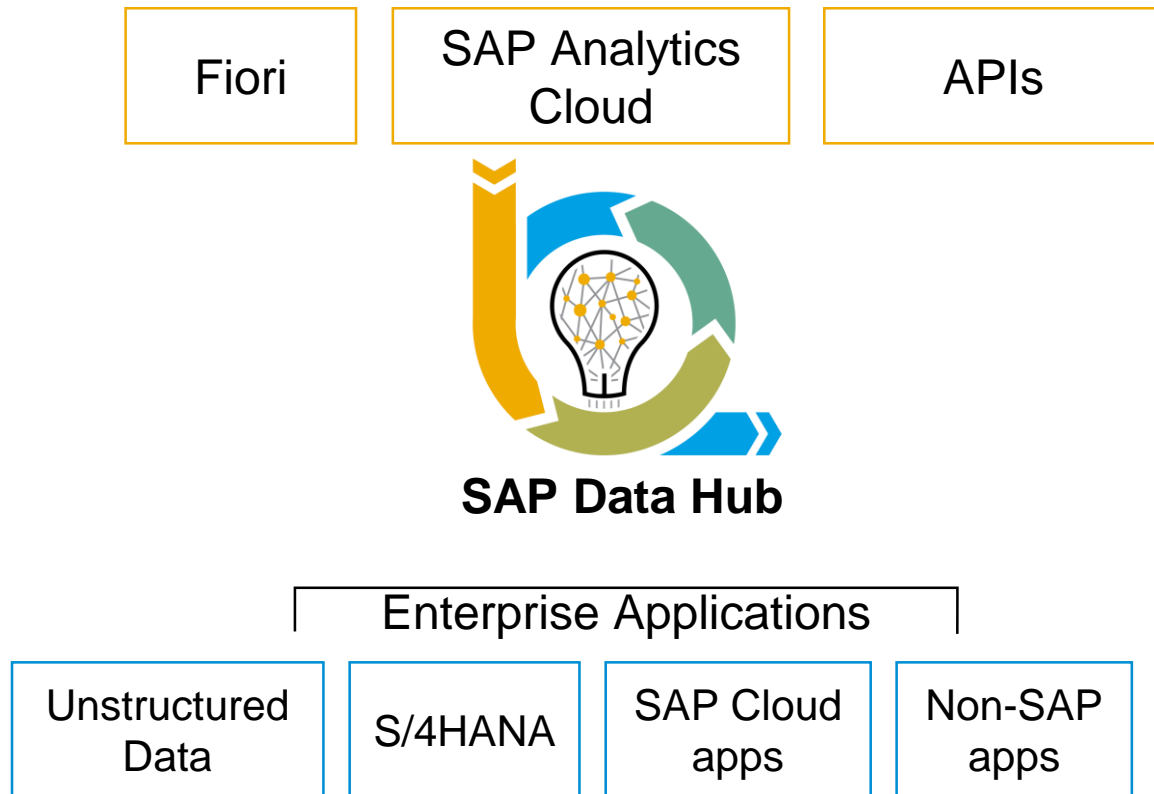
- Chaining of distributed business processes
- A2A / B2B, B2G / Master Data Synchronization
- API focused, synchron., asynchron., business events*
- Message-based processing incl. mapping, routing, monitoring
- Transactional Integrity with reliable messaging and error handling
- Pre-packaged integration content for SAP/Non-SAP scenarios

Key Use Cases and Characteristics

- Pipelining and orchestration of big data in complex landscapes
- Big data warehousing, IoT Ingestion, batch, streaming etc.
- Data focused: table/view, storages, processing, libraries*
- Distributed data processing & server less computing
- High frequent event processing, e.g. via Kafka
- Advanced data transformations & processing, e.g. ML, Predictive, Code

Business application transformation and SAP Data Hub

SAP Data Hub to streamline innovation around business applications



DISCOVER

- Acquire data from different SAP and non-SAP applications, cloud and on-premise

REFINE

- Correlate cleansed structured data with speech, text unstructured information
- Apply analysis and predict behavior, process outcomes and anomalies

GOVERN

- Centralized data access and control policies
- Data anonymization

ORCHESTRATE

- Scheduling, workflow, data pipelines across enterprise and external data
- Scaled serverless computing

SAP API Business Hub

Build apps and integrations easily with open APIs



API Catalog

Central place for APIs from SAP and partners



API sandbox

One click-test experience for developers via API sandbox



Prepackaged accelerators

Integration packages to integrate APIs



Easy consumption

Integration with developer IDE and code generations

Search, discover, experience, and consume the right APIs from SAP and select partners for your digital transformation projects

SAP Cloud Platform API Management

Overview

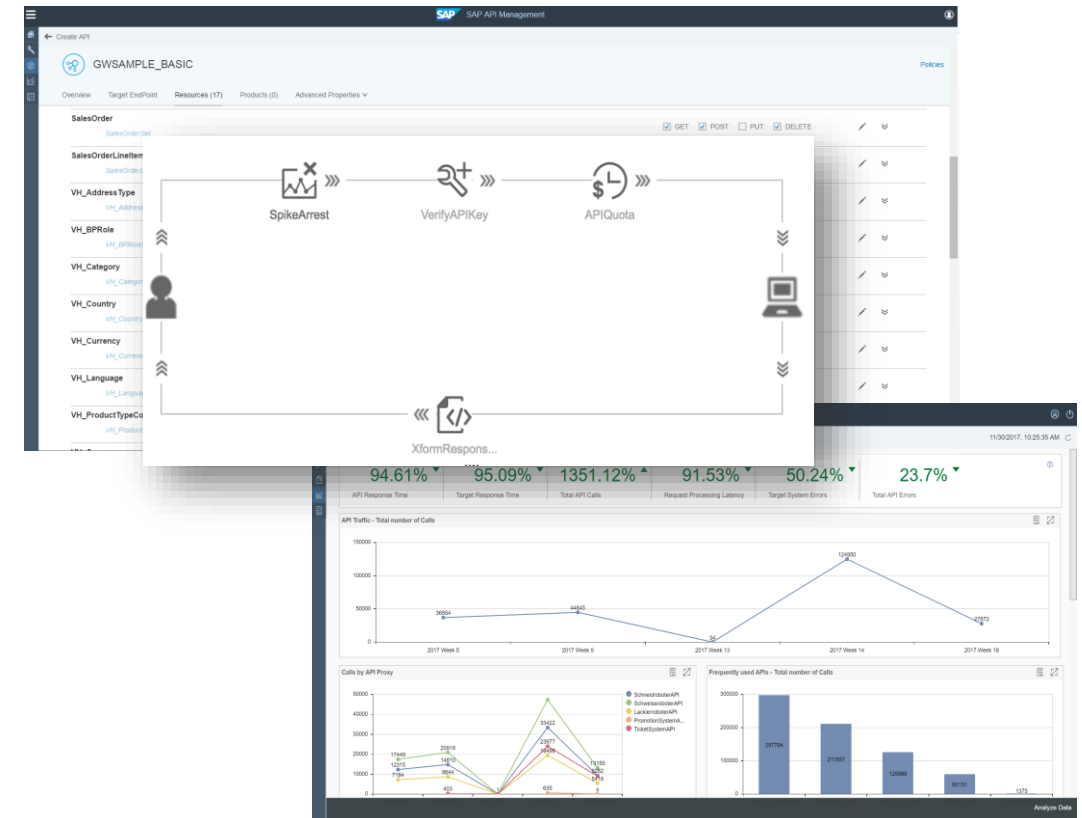
SAP Cloud Platform API management provides simple, scalable and secure access to digital assets through application programming interfaces (APIs) and enables developer communities to consume these.

Key capabilities

- Unified standards-based API access of REST/OData or SOAP services
- Enterprise Grade Security for the APIs against attacks like DoS, CSRF, XSS etc. and robust traffic management
- Real-time insights & analytics on the APIs traffic, usage, error reporting and monitoring
- Developer services to enable developers to try, subscribe, use and manage API consumption

Benefits

- Platform for engaging with and enabling employees and developers - internal and external



Read more: [SAP Cloud Platform API management](#)

One platform for process integration and API management

Both covered in SAP Cloud Platform Integration Suite

Functions	Process Integration	API Management
Data mapping	Complex data mapping	Limited
Process orchestration	Exhaustive features, support for EAI patterns, persistence	Request-reply pattern, Mash-Up capabilities
Adapters and connectors	Exhaustive list	SOAP and APIs over HTTP
Scalability	Good	Built from ground up for high throughput and low latency
Authentication	SAML, certificates	SAML, OAuth
Security	WS-Security, encryption, decryption, signature	JSON and XML threat-protection, RegEx threat protection
Message formats	Exhaustive list	No specific message type, focus on XML and JSON
Developer portal	No	Self-service Portal with API catalog capabilities
Traffic management	No	Exhaustive features

SAP Cloud Platform Connectivity

Overview

SAP Cloud Platform Connectivity allows cloud applications running on the SAP Cloud Platform to access remote services securely that run on the **Internet** or **on-premise**.



INTERNET SERVICES

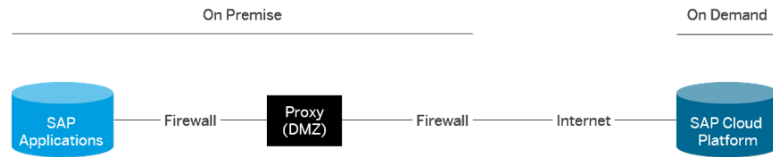
Consume APIs and data from APIs and data provided by any Internet service via HTTP(s) using **destinations**



ON-PREMISE SYSTEMS

Consume APIs, data and users provided by on-premise systems via HTTP, RFC, or even with TCP using **destinations** and the **Cloud Connectivity**

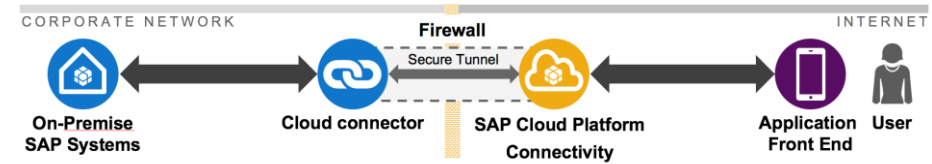
Comparing reverse proxy and SAP Cloud Platform Connectivity



Pros reverse proxy approach

Existing reverse proxy and DMZ infrastructure can be reused for cloud scenarios, no additional components need to be operated on-premise

Independent of cloud solution used



Pros SAP Cloud Platform Connectivity approach

No additional inbound ports to the on-premise network needs to be opened; firewall and DMZ remains unchanged; direct attacks (e.g. DDOS) from Internet are not possible & solution can be considered more secure

Non-HTTP protocols are supported (RFC, JDBC/ODBC)

Propagation of cloud user identity to on-premise system is supported

Easy to setup and configure: can be done close to LoB or centrally managed by IT

SAP support in case of issues or feature requests

Additional features will come: Best integration with SAP systems, Universal SAP Cloud Platform Connectivity, WAN acceleration, etc.

Links for Further Reading



SAP Cloud Platform Integration Book

2nd edition, with exercise examples

■ Authors

- John Mutumba Bilay
- Peter Gutsche
- Mandy Krimmel
- Volker Stiehl

■ Content highlights

- Architecture and Security
- Exercises for simple and complex integration patterns
- Predelivered Content
- Monitoring and Tracing
- B2B Integration and Integration Advisor

■ Further Information

- E-book
- Print edition

Further information:

https://www.sap-press.com/sap-cloud-platform-integration_4650/



SAP Process Orchestration

Links for further information

[SAP Process Orchestration product pages](#)

[SAP Process Orchestration community](#)

[Blog about upgrade and migration options to SAP Process Orchestration](#)

[Blog about Process Integration test tool](#)

[Best practices blog about cloud integration content @ SAP Process Orchestration](#)



SAP Cloud Platform Integration

Links for further information

- SAP Cloud Trust Center: <https://www.sap.com/about/cloud-trust-center.html>
- SAP Data Center: <https://www.sap.com/about/cloud-trust-center/data-center.html>
- SAP Data Center Locations: <https://help.sap.com/doc/aa1ccd10da6c4337aa737df2ead1855b/Cloud/en-US/3b642f68227b4b1398d2ce1a5351389a.html?3b642f68227b4b1398d2ce1a5351389a.html>
- SAP agreements with general terms and conditions: https://www.sap.com/about/cloud-trust-center/cloud-service-level-agreements/cloud-services.html?search=Service%20Level%20Agreement&sort=title_asc
- SAP Cloud Availability Center: <https://support.sap.com/en/my-support/systems-installations/cloud-systems-installations.html>
- CIO Guide I (SAP Vision for Integrating SAP Applications in Cloud and Hybrid Environments): <https://www.sap.com/documents/2017/05/eebd96bd-b97c-0010-82c7-eda71af511fa.html>
- CIO Guide for Integration II (Process and Data Integration in Hybrid Landscapes): <https://www.sap.com/documents/2018/06/de3238a0-077d-0010-87a3-c30de2ffd8ff.html>

SAP Cloud Platform Integration

Links for further information (cont'd)

- Product page with overview description:
 - SAP Cloud Platform Integration Suite: <https://cloudplatform.sap.com/integration.html>
 - SAP Cloud Platform Integration: <https://www.sap.com/products/hana-cloud-integration.html>
- Product documentation: https://help.sap.com/viewer/product/CLOUD_INTEGRATION/Cloud/en-US
- Community, further links, discussions, <https://www.sap.com/community/topic/cloud-integration.html>
- Success stories: https://cloudplatform.sap.com/content/skywalker/website/en_us/success.html
- Standard training courses: <https://training.sap.com/shop> -> CLD900
- SAP Cloud Platform Integration Suite OpenSAP training: <https://open.sap.com/courses/cp9>
- SAP API Business Hub with pre-packaged integration content delivered by SAP and partners: <https://api.sap.com>
- Webinar series on SAP Cloud Platform Integration Suite: <https://webinars.sap.com/sap-user-groups-k4u/en/ifgintegration>
- What's New in SAP Cloud Platform Integration Suite Webinar Series: <https://blogs.sap.com/2019/02/08/whats-new-in-sap-cloud-platform-integration-suite-webinar-series-2018-and-beyond/>
- Short videos on key capabilities of SAP Cloud Platform Integration: <https://www.youtube.com/playlist?list=PLkzo92owKnVwUoyvV34RbxBZihYqi6eE3>
- SAP Cloud Platform Integration on Cloud Foundry: <https://blogs.sap.com/2019/06/19/sap-cloud-platform-integration-is-now-available-on-cloud-foundry-cf-environment/>
- Self-service to subscribe for SAP Cloud Operations notifications: <https://blogs.sap.com/2019/05/02/how-to-maintain-notification-contacts-for-sap-cloud-platform-integration/>

SAP Cloud Platform Integration

Links for further information (cont'd)

- SAP Cloud Platform Integration Developer's Corner: <https://blogs.sap.com/2017/07/17/introduction-to-developers-corner/>
- Prepackaged integration content to accelerate integration between SAP S/4HANA and Salesforce: <https://blogs.sap.com/2019/03/25/accelerate-implementation-with-sap-s4hana-salesforce-prepackaged-integration-content/>
- Blog series about SAP Cloud Platform Integration Advisor: <https://blogs.sap.com/2019/03/12/integration-content-advisor-overview-of-components-and-further-reading/>
- SAP Cloud Platform Integration book, 2nd edition, with exercise examples: https://www.sap-press.com/sap-cloud-platform-integration_4650/
- Roadmap for SAP Cloud Platform Integration: <https://www.sap.com/products/roadmaps.html> -> Browse All Road Maps -> Search for "cloud integration" -> Road Map for SAP Cloud Platform Integration
- SAP Cloud Platform Open Connectors User Documentation: <https://help.openconnectors.ext.hana.ondemand.com/home>
- SAP Cloud Platform Open Connectors Blog Series: <https://blogs.sap.com/2018/09/24/blog-series-simplify-integration-with-third-party-application-with-sap-cloud-platform-open-connectors/>
- Certification options: <http://scn.sap.com/docs/DOC-62717>, [Certify my Solution](#), [Certification process for content \(HCI-PI-CNT\)](#), [Certification process for adapters \(HCI-PI-ADK\)](#)
- Innovation Pack through SAP PartnerEdge Program for Application Development to develop adapters and integration content: https://www.sapappsdevelopmentpartnercenter.com/en/faq/sap-hana-cloud-platform-faqs_9/what-service-is-available-for-sap-hana-c_85/
- International Focus Group for Integration: <http://scn.sap.com/people/holger.himmelman2/blog/2010/10/07/introducing-global-special-interest-group-for-process-integration>
- Global Integration Survey Results 2018: <https://blogs.sap.com/2018/05/08/global-survey-for-sap-integration-2018/>

SAP Application Interface Framework

Links for further Information

- SAP Application Interface Framework is a modification free add-on to SAP application systems based on SAP NetWeaver Basis 7.0 (from SP17)
- Certain functions (part of additional add-on “AIFX”, e.g., Web UI, SIW generator, monitor ECH messages, etc.) require SAP NetWeaver Basis 7.31
- SAP Application Interface Framework is available in the following languages:
 - Arabic, Dutch, English, French, German, Italian, Japanese, Korean, Portuguese, Russian, Simplified Chinese, Spanish, Traditional Chinese, Turkish
- SAP Application Interface Framework at [SAP Help Portal](#)
- Release notes, master guide, installation and upgrade guide, security guide, etc.
- SAP Application Interface Framework product information at <http://www.sap.com/aif>
- SAP Application Interface Framework community at <https://www.sap.com/community/topic/application-interface-framework.html>
- SAP Application Interface Framework [FAQ note](#)

SAP Cloud Platform API Management

Call for action

- Join our Customer Engagement Initiative and influence the product strategy and direction
- Contact: **Arti Gopalan** (arti.gopalan@sap.com)
- Getting Started [blog](#)
- Get your hands dirty with our [free trial](#) on the SAP Cloud Platform
- Learn more: <https://cloudplatform.sap.com/capabilities/integration.html>
- Reach out if you would like to run a **Craft and Execute your Enterprise API Strategy session**

Explore SAP APIs
Discover how SAP APIs enable transformative business applications

How can SAP APIs evolve your business?

- Open integration across systems**
Enhance your organization's oversight across systems by leveraging systems of record and receiving real-time updates.
- Pursue new revenue streams**
Identify new business opportunities with customers and markets by using Machine Learning APIs.
- Enable an agile Bimodal IT framework**
Bridge the gap between traditional and modern business by creating new interfaces for legacy systems.
- Implement with API management**
Create a new business platform or monitor and improve underlying system access by using API-based information and concepts.

SAP Cloud Platform Open Connectors

Call for Action

1

Join our [onboarding mission](#) in SAP Cloud Platform Discovery Center

2

Visit us at [SAP Community](#)

SAP Cloud Platform Connectivity

FAQ online

SAP Help Portal SAP Cloud Platform

SAP Cloud Platform

Language: English (United States of America)

Home / SAP Cloud Platform / Services / SAP Cloud Platform C... / SAP Cloud Platform C... /

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Cloud Connector: Frequently Asked Questions

Find quick answers to the most common questions about the Cloud connector.

< Technical Issues

- > Is the Cloud connector used to send data from on-premise systems to SAP Cloud Platform or the other way around?
- > Is the connection between the SAP Cloud Platform and the Cloud connector encrypted?
- > What is the oldest version of SAP Business Suite which is compatible with the Cloud connector?
- > What JRE versions are supported to run Cloud connector?
- > Which configuration in the SAP Cloud Platform destinations do I need to handle the user management access to the Cloud User Store of the Cloud connector?
- > Is the Cloud connector sufficient to connect the SAP Cloud Platform to an SAP ABAP backend or is HCI needed?
- > How much bandwidth does the Cloud connector consume?
- > What happens to a response in case of a connection failure while a request is processed?
- > Where should I install the Cloud connector?
- > How many servers do I need to deploy the Cloud connector?
- > What are the hardware requirements to deploy the Cloud connector?
- > Can I send push messages from an on-premise system to the SAP Cloud Platform through the Cloud connector?
- > Is NTLM supported for authorization against the proxy server?
- > What Operating Systems are supported by the Cloud connector?

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Technical issues

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Roadmap

Trouble-shooting

[Link to FAQ](#)

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 - INT101 – Integrate It All with SAP Cloud Platform Integration Suite
 - INT102 – How to Apply the Integration Solution Advisory Methodology
 - INT103 – Discover the Integration DNA of the Intelligent Suite from SAP
 - INT202 – AI-Driven and Open Integration to Customize Intelligent Suite Scenarios
 - INT203 – SAP Cloud Platform API Management: Customer Use Cases and Best Practices
 - INT823 – Road Map for SAP Cloud Platform Integration Suite
 - INT833 – SAP Process Orchestration Software Road Map
 - LT116 – Digital Integration Hub: Building Agile Data Grids and Microservices
-

Public SAP Web sites

- SAP Community: <https://www.sap.com/community/topics/cloud-integration.html>
- SAP products: <https://cloudplatform.sap.com/integration.html>



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