

Integrate It All with **SAP Cloud Platform Integration Suite**

INT101

PUBLIC

Speakers

Las Vegas

September 24–27, 2019

Harsh Jegadeesan

Barcelona

October 8-10, 2019

Harsh Jegadeesan

Bangalore

November 13-15, 2019

Piyush Gakhar



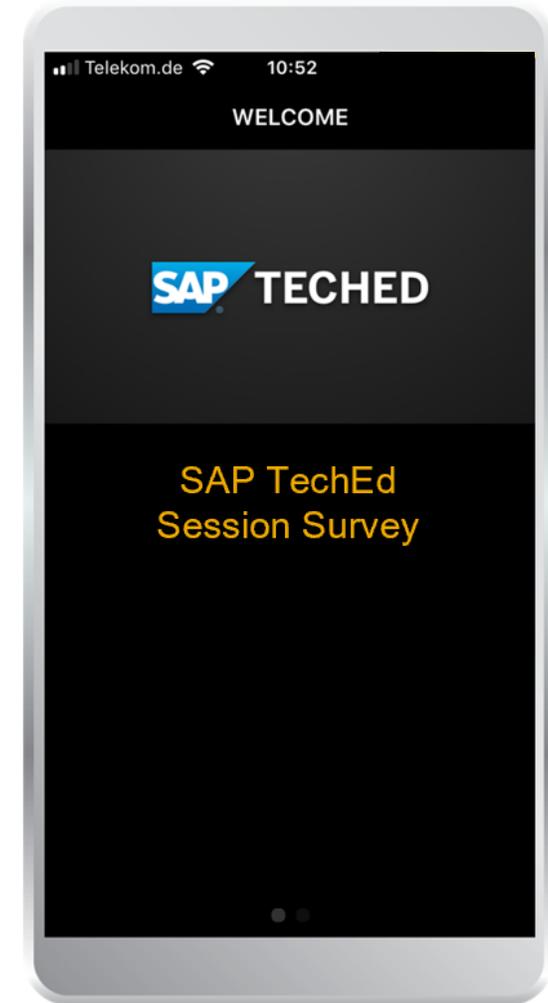
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Agenda

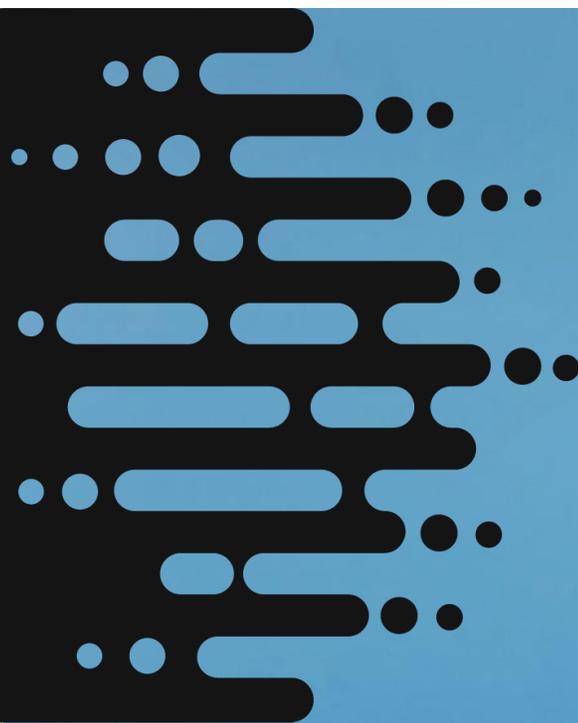
Overview

Key Integration Scenarios

Summary

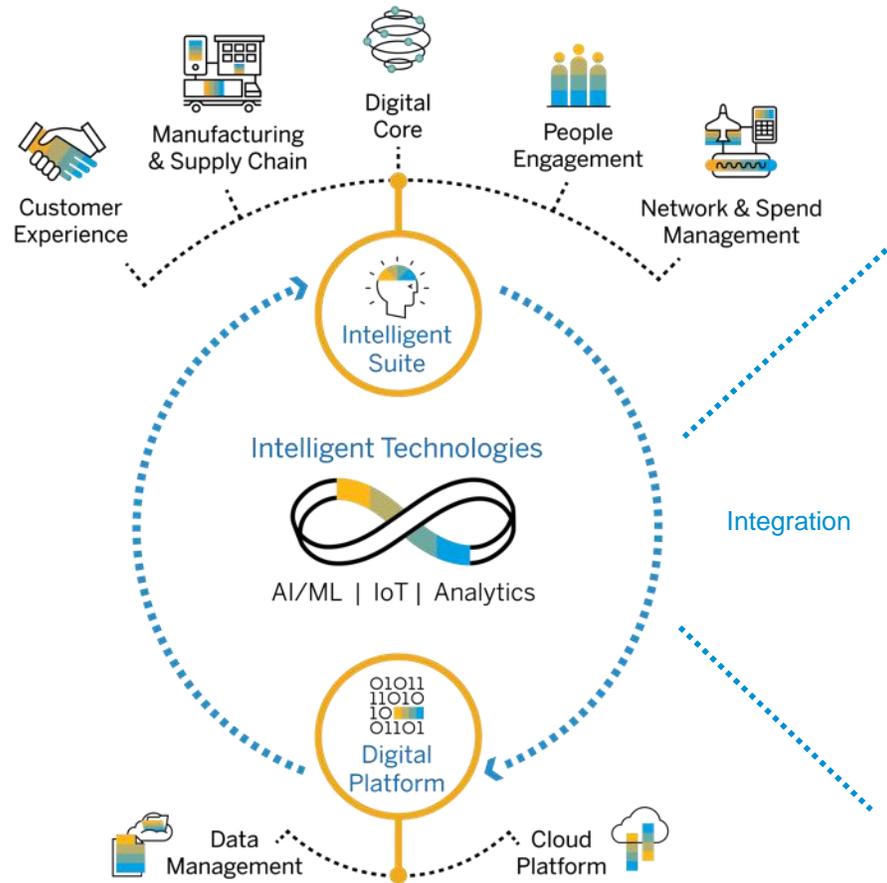


Overview



Integration strategy for the Intelligent Enterprise

Value Proposition



1
OUT-OF-THE-BOX
INTEGRATION

2
OPEN
INTEGRATION

3
HOLISTIC
INTEGRATION

4
AI-DRIVEN
INTEGRATION

SAP Cloud Platform Integration Suite

Enterprise Integration Suite for hybrid and heterogenous environments

SAP SuccessFactors 

SAP S/4HANA®

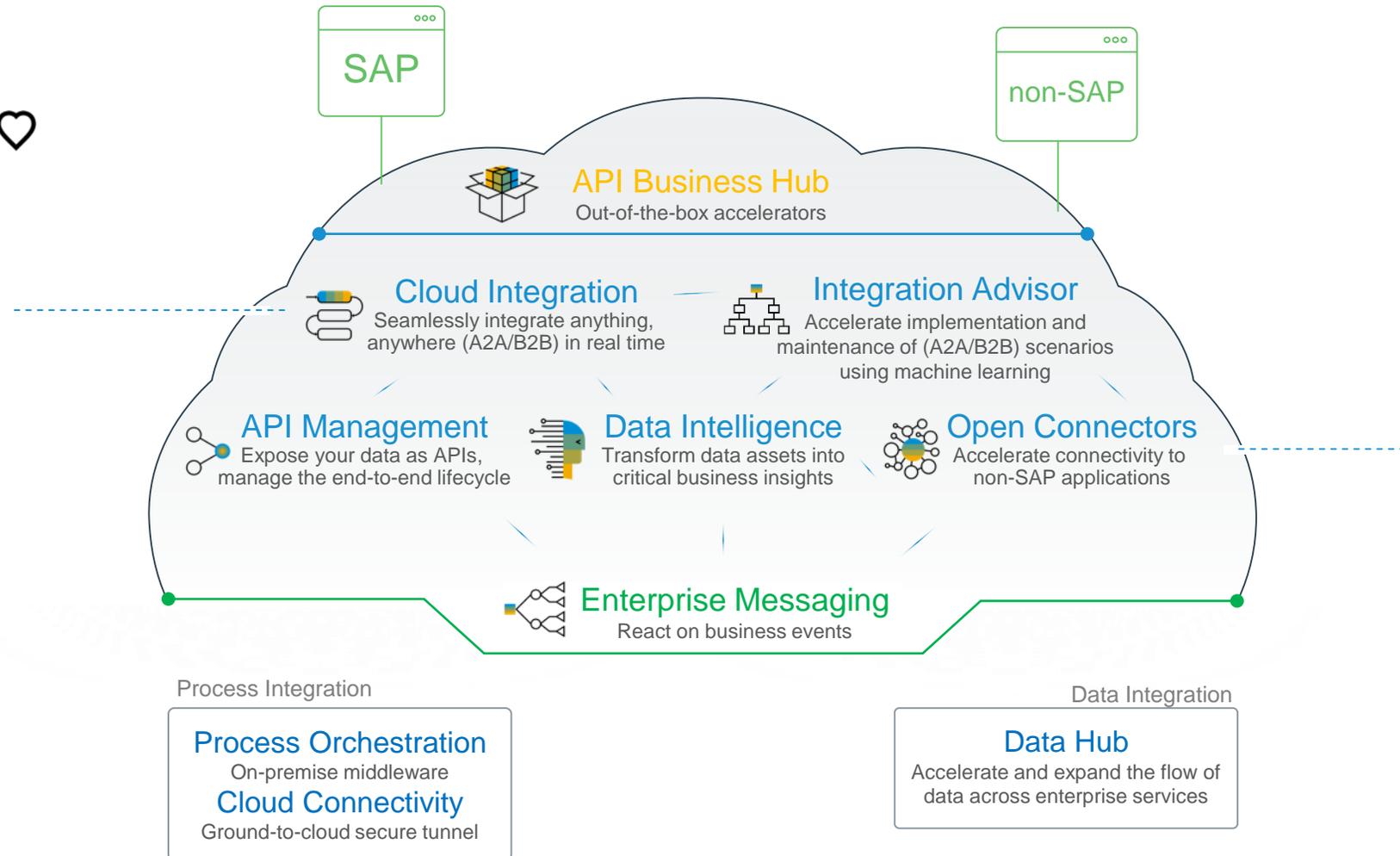
SAP® C/4HANA

SAP Fieldglass 

SAP Concur 

SAP Ariba 

and more ...



Integration & Orchestration services in SAP Cloud Platform

SAP Cloud Platform Integration Suite



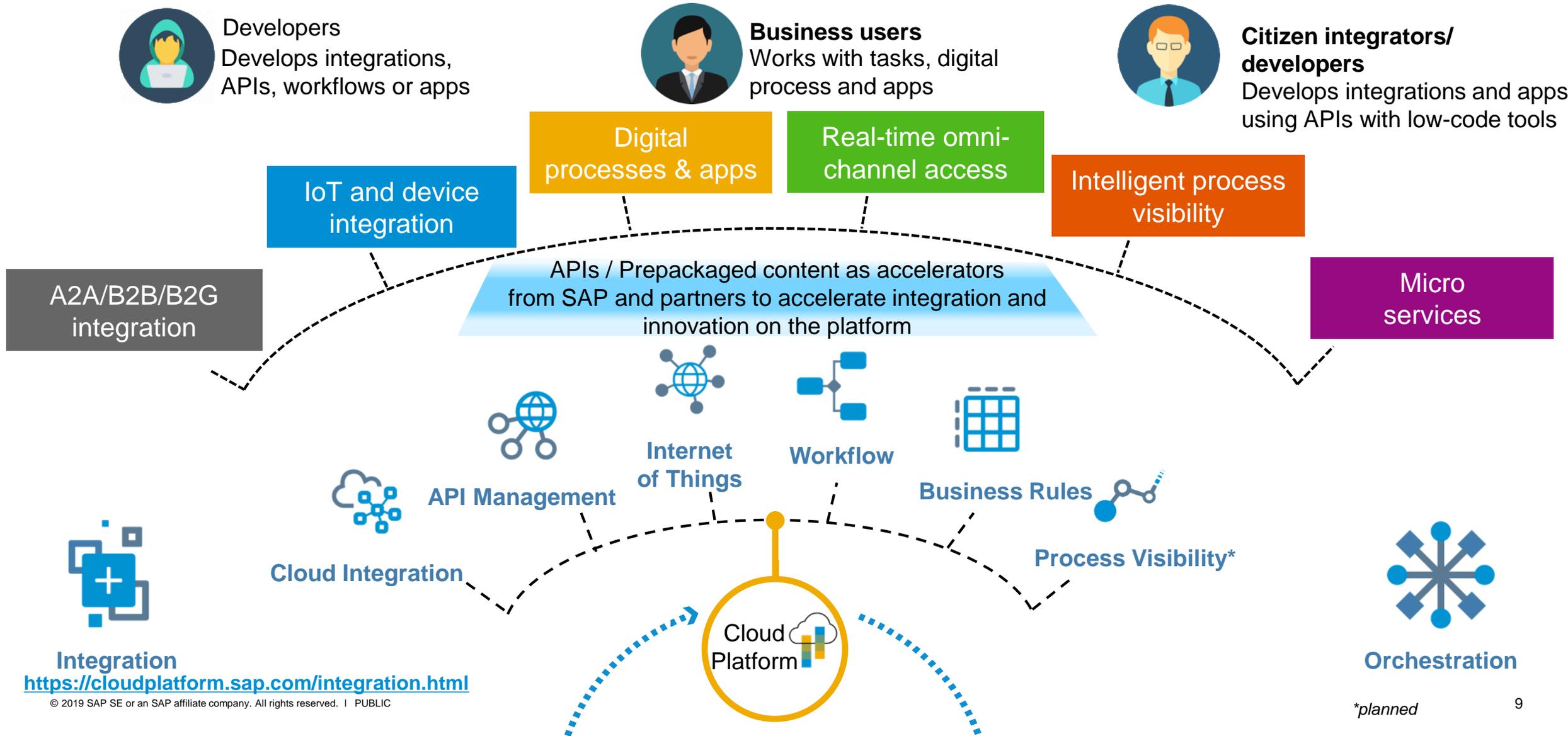
Developers
Develops integrations, APIs, workflows or apps



Business users
Works with tasks, digital process and apps



Citizen integrators/ developers
Develops integrations and apps using APIs with low-code tools



Integration
<https://cloudplatform.sap.com/integration.html>

SAP Cloud Platform Integration Suite

SAP Enterprise Integration Platform-as-a-Service

Users



Developers/Experts

Develop integrations, APIs, workflows, or apps



Business Users

Works with tasks, digital process, and apps



Citizen Integrators/Developers

Develops integrations and apps using APIs with low-code productivity tools



Data Analyst

Analyze data from pattern detection and knowledge acquisition

Use Cases

A2A Integration

B2B/B2G Integration

Omni-Channel API Access

Processes & Apps

Event-Driven

Agile Data Grids and Micro services

Data Integration, Processing & Pipelines

Data Insights & Intelligence

SAP API Business Hub

Out-of-the-box Business Integrations | Open APIs | Business Events | Accelerators and Best Practices from SAP and partners

Services



- Cloud Integration
- Integration Advisor
- Connectivity



- API Management
- Open Connectors
- API/Microservices Development in Cloud Foundry



- IoT Foundation device | digital twin
- Edge Services



- Workflow, Business Rules and Inbox
- Blockchain and Distributed Ledgers



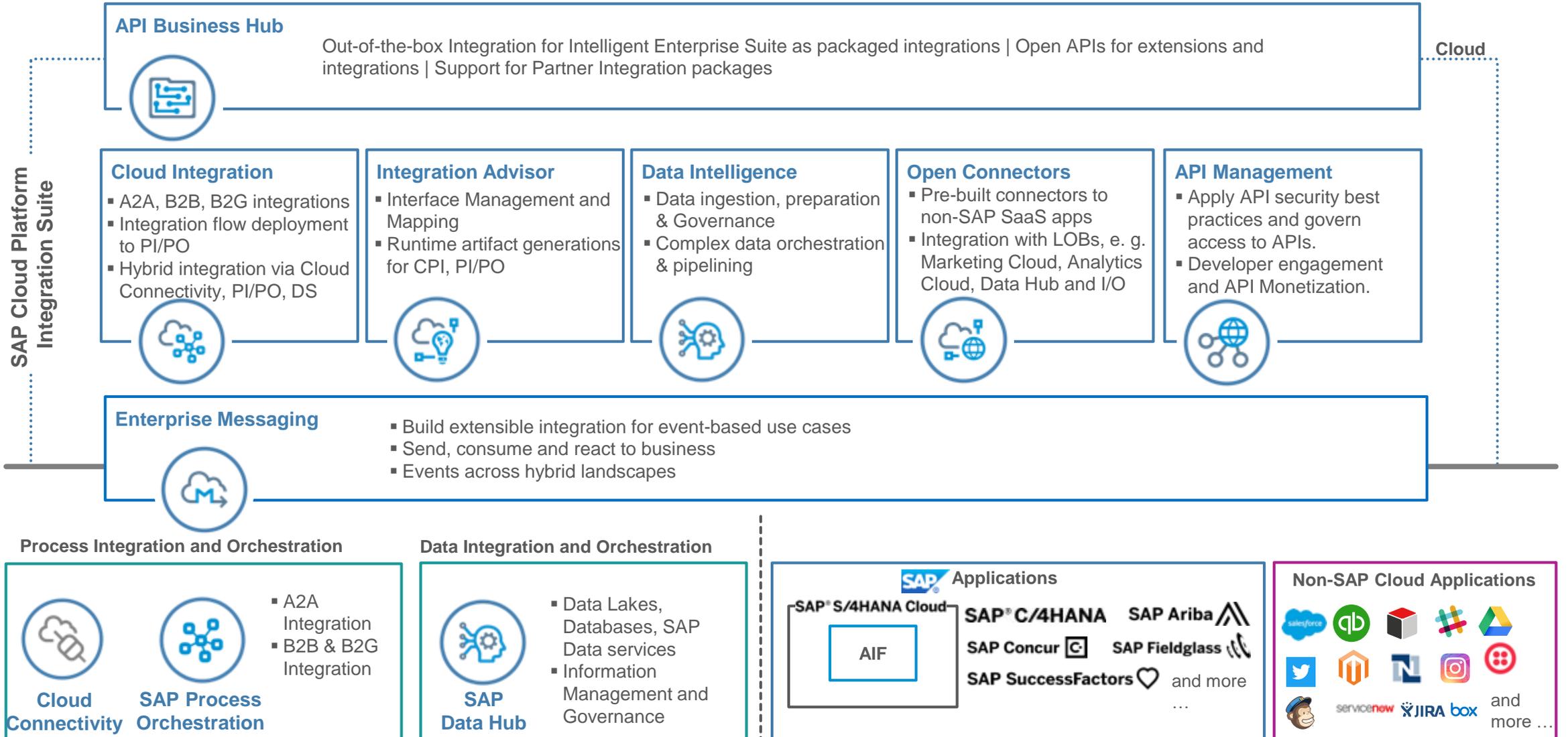
- Enterprise Messaging
- Functions-aaS
- Streaming Analytics



- SAP HANA-aaS in-memory data grid
- Data Intelligence
- Smart Data Integration

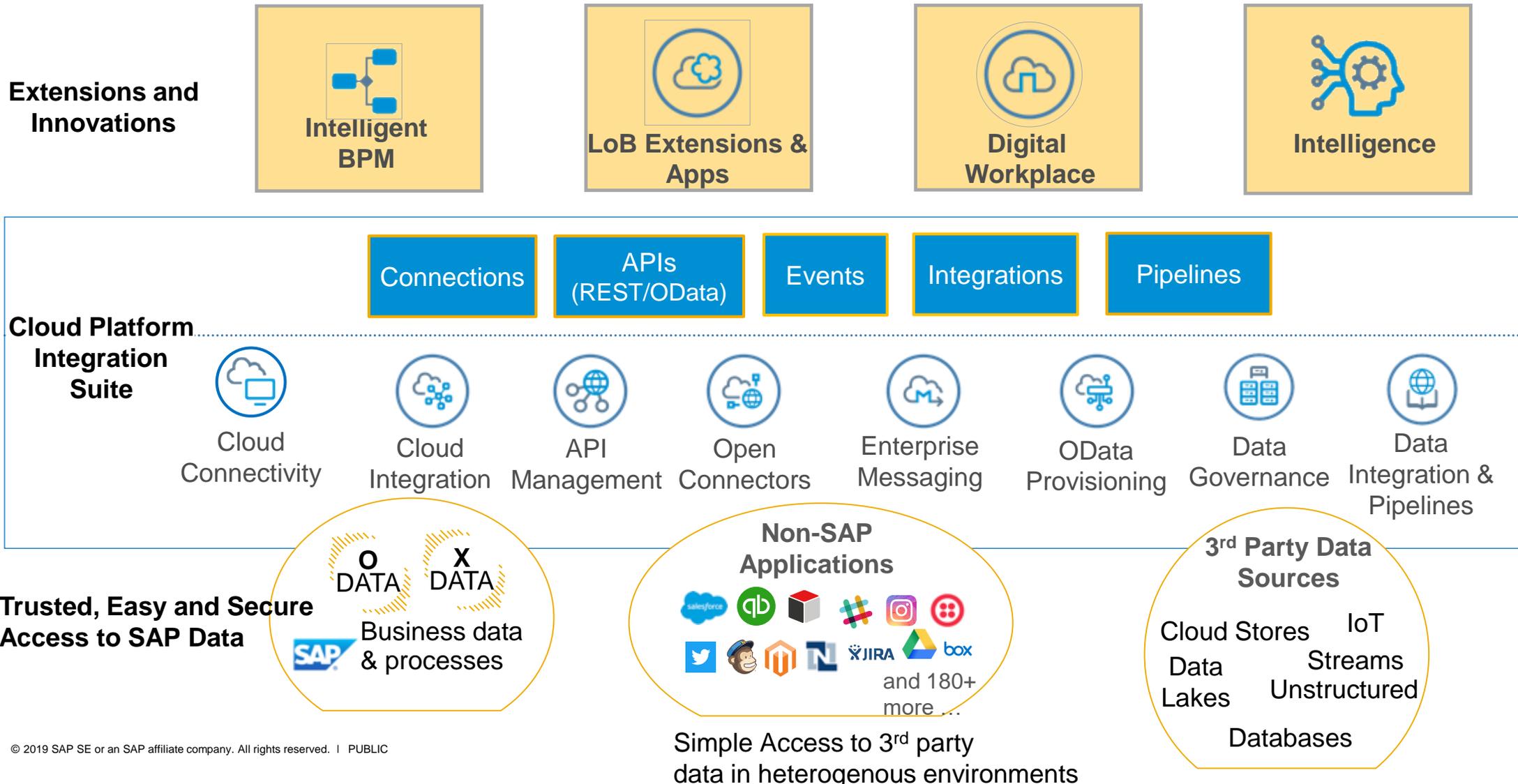
Hybrid Integration Platform

Enterprise Integration Suite for hybrid and heterogenous environments



Integration is the foundation

Intelligence, business process excellence, apps and digital experience



Intelligent Enterprises are integrated enterprises



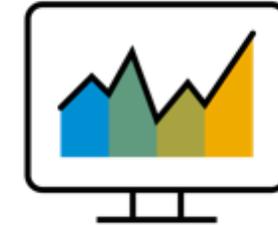
Real-time digital interactions

- **Integrate**
 - Anything people, things, processes and data
 - Anywhere on-premise/cloud, edge
- **Share real-time data** supply chain, business network and customers with APIs



Simplified connected experiences

- **Orchestrate**
 - People, processes, events, and things with digital workflows
 - Automated decision making with dynamic business rules
- **Enable omni-channel experiences**
- **Integrate** SAP and non-SAP apps in cloud and hybrid landscapes



Process excellence through integration and intelligence

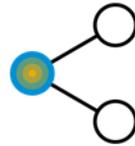
- **Real-time and connected** end-to-end processes Hire to Retire, Lead/Consume to Cash, Procure to Pay
- **Sense and respond** to business events proactively

Simplified integration with SAP



Out-of-box Integrations

1100+ prepackaged integrations



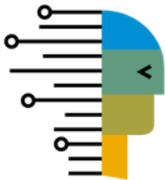
Semantic APIs

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



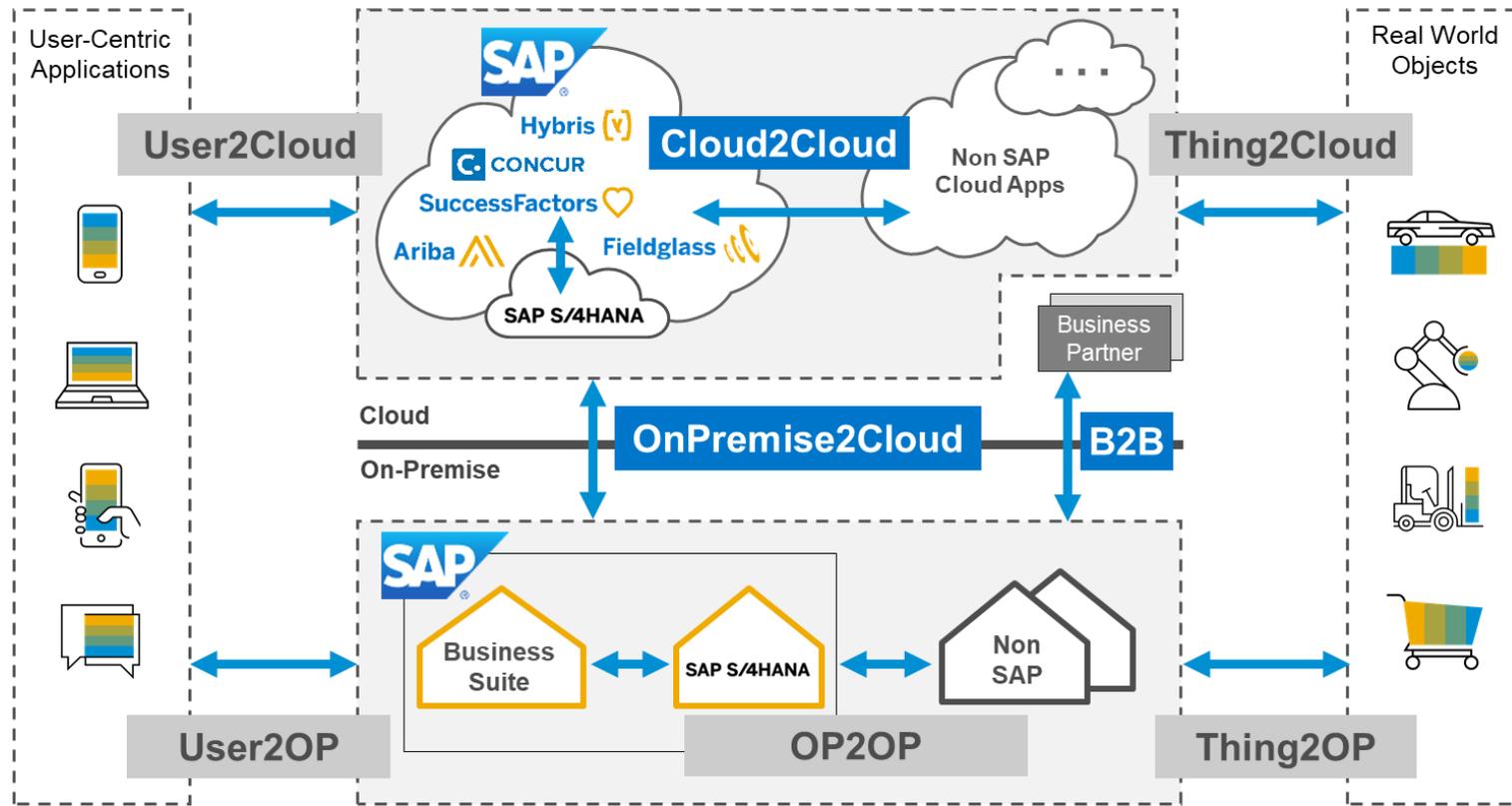
Multicloud deployment offering

SAP | hyperscale IaaS | Private cloud

SAP hybrid system landscapes

SAP-to-SAP cloud and hybrid integration scenarios

Integration Domains

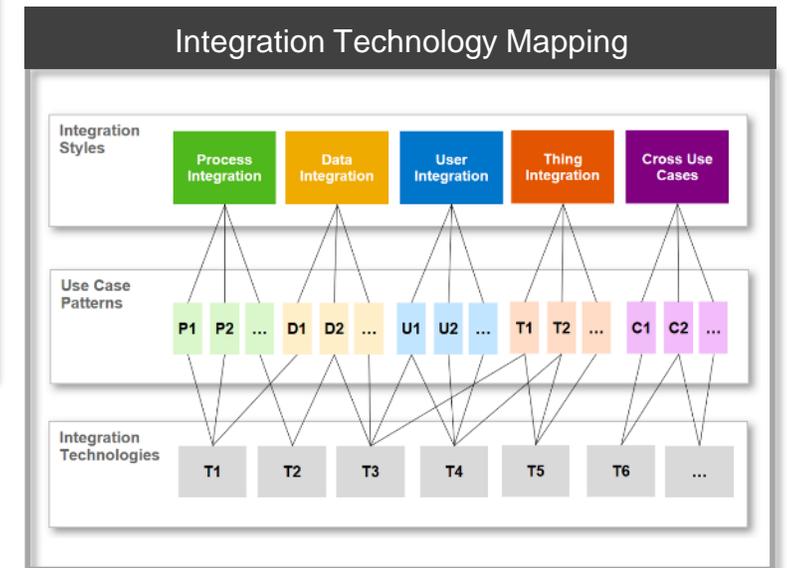
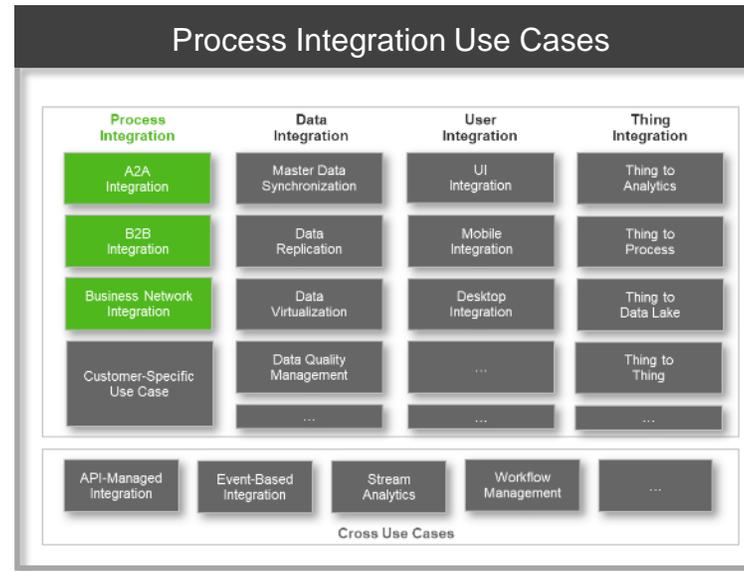
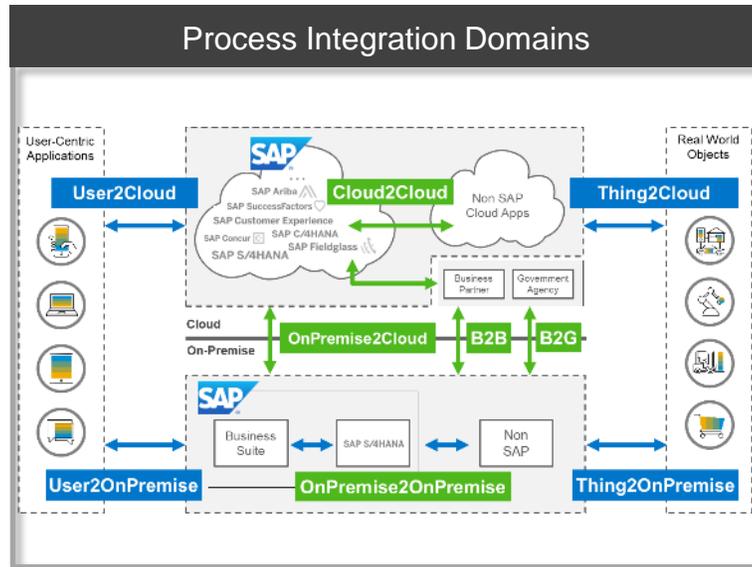


Integration Use Cases

- A2A Integration
- Master Data Synchronization
- B2B Integration
- Data Integration
- Data Virtualization

High-level scoping of process integration areas in a hybrid landscape

Holistic and systematic integration approach

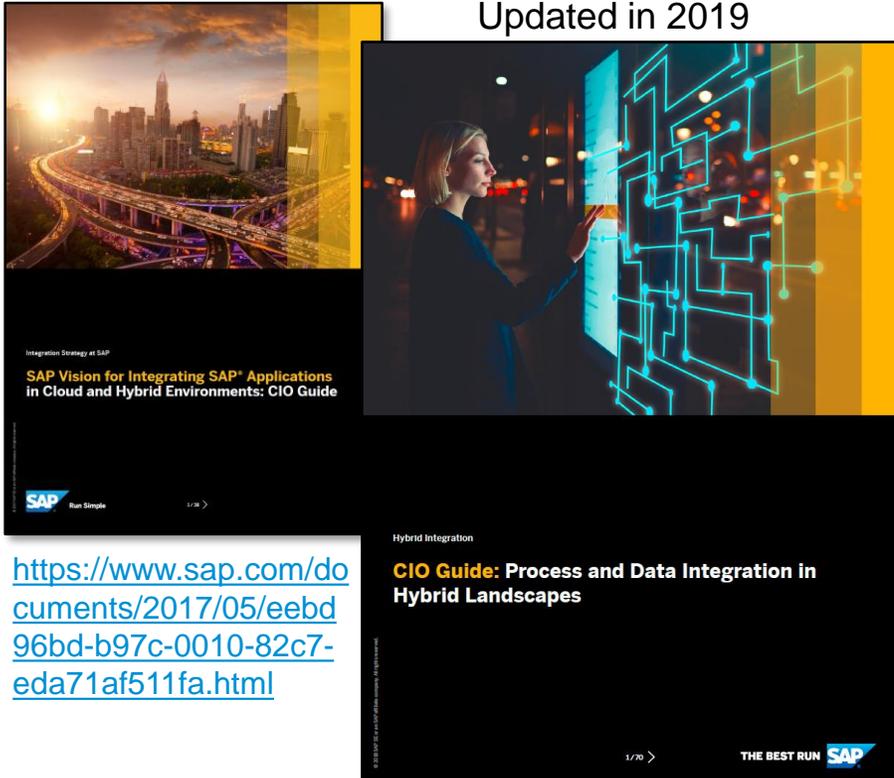


Following the ISA-M methodology

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

Key integration scenarios



Digital businesses win by delivering
simple connected experiences
to customers, partners and employees



contextual



real-time
digital interactions



Consume
at will



IT landscapes are “messy” - Heterogenous,
Hybrid and Huge.
Complexity is all-time high



Hybrid,
Multi- clouds



Devices



Business Networks,
Collaboration



Connected Digital Experience



$1 + 1 > \infty$

Simplify Integration, deliver
engaging, connected digital experiences
to customers, partners and employees



Mess IT and application Landscapes
Hybrid, **H**eterogenous and **H**uge

Connected experiences for customers

are facilitated by real-time open APIs and simplified integration



Farm to fork



Personalized products



Patient experience



Digital banks
#no-banks



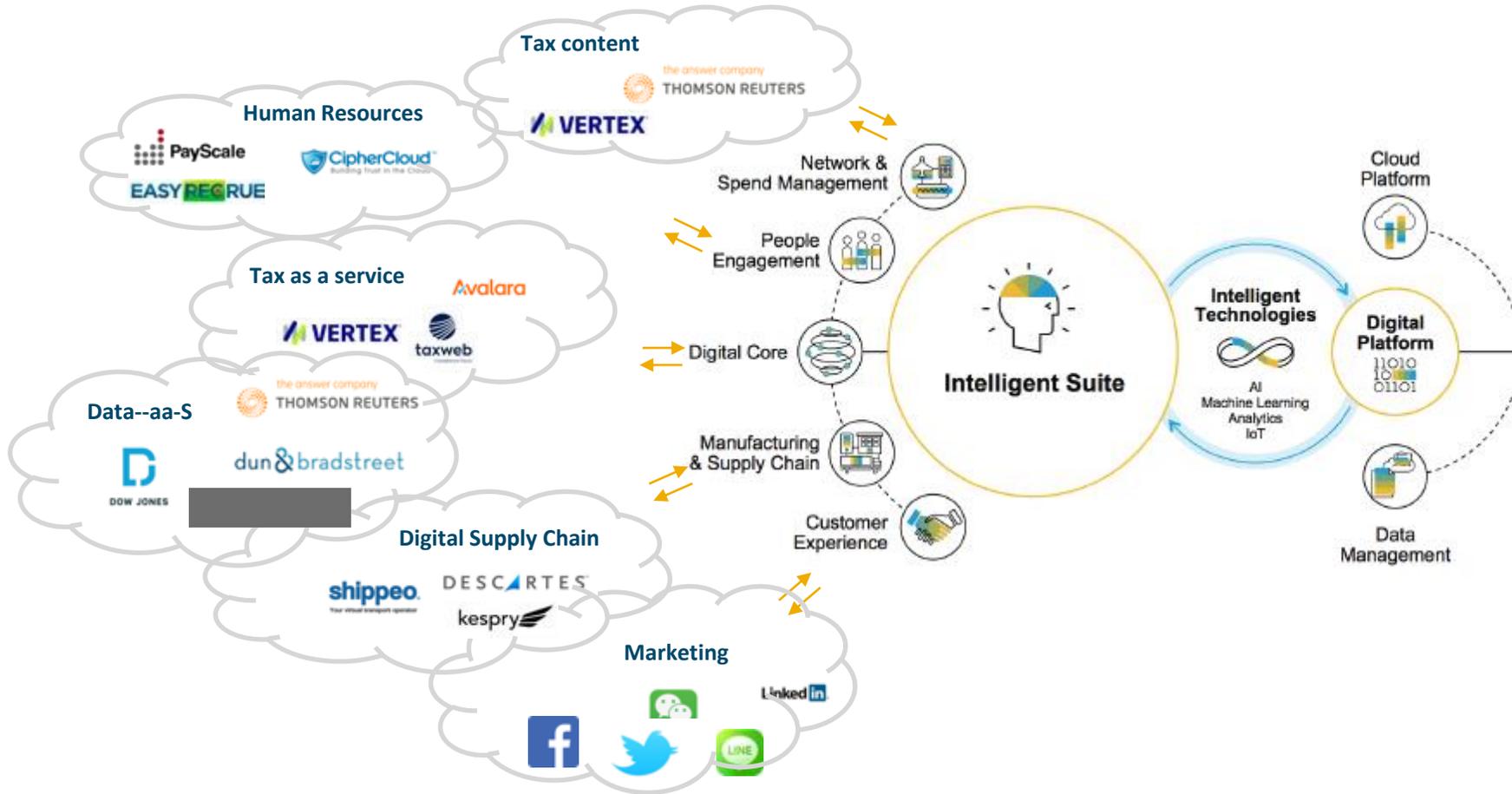
Connected products
#keep-the-promise

...

Out-of-the-box business process integrations

Technical connectors vs. business process integrations

Accelerate integrations (4x) and save costs (by 70%)



- SAP LoB and Globalization teams build and maintain integration packages
- Ecosystem partners simplify integration to SAP with ready-to-use pre-packaged integrations in SAP API Business Hub
- Support with best practices, advisory, validation and publishing of integration packages

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



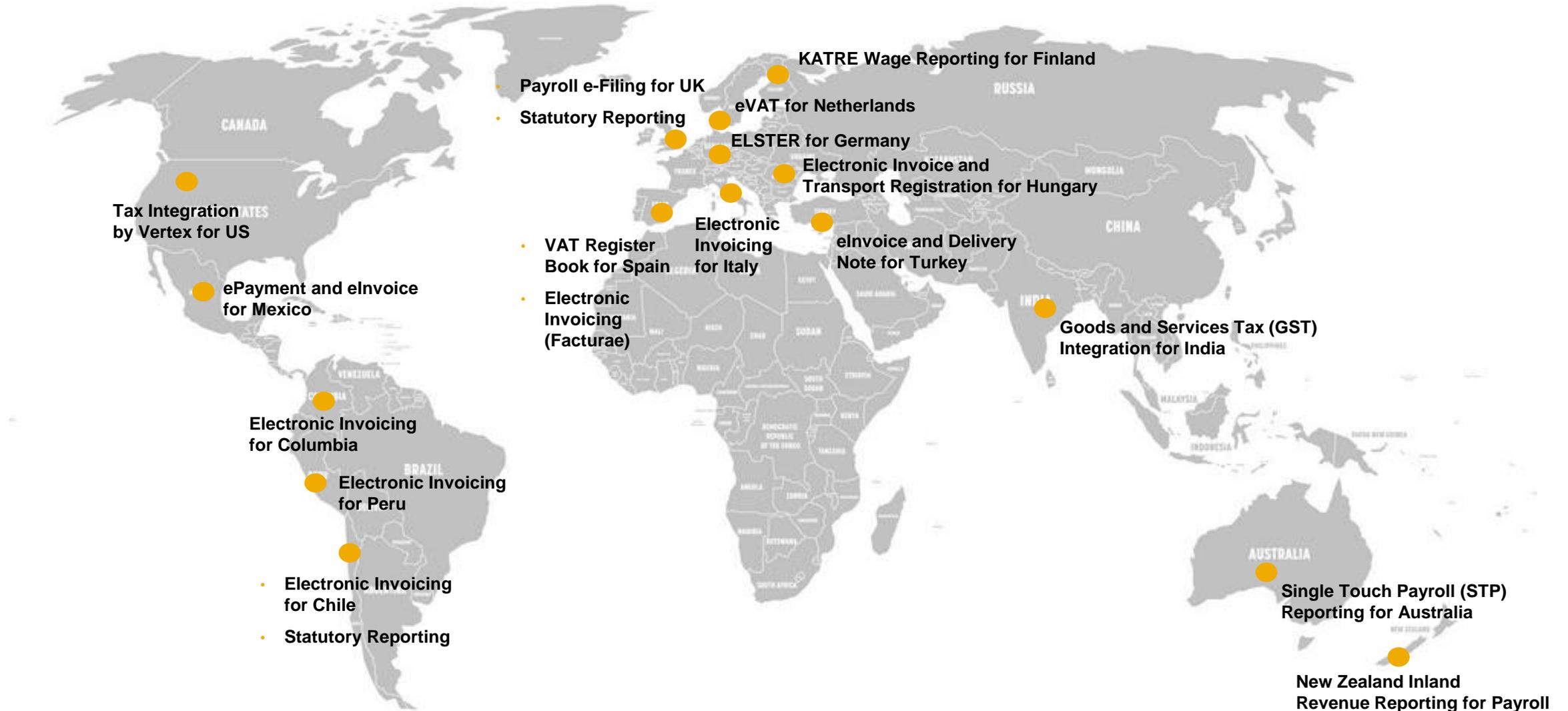
Easy consumption

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

Out-of-box Integrations

Digital compliance | e-government integrations



Open APIs for integration and innovations

API platform for enterprise API programs



Digital Apps Business Networks Partners/Customers

SAP Subscription Billing

APIs as digital building blocks

Marketplace for enterprise APIs
Search, discover, test and subscribe to the right APIs

SAP API Business Hub	SAP WebIDE
Developer Portal	Mobile Services



App Developers



EA Modeler	API Designer
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Define Domain, Align Process models

Design easy to use APIs

App Runtimes
Cloud Integration
Persistence
Messaging
On-premise middleware
Cloud Connectivity

Implement highly scalable APIs and microservices using platform services

API Portal (Security Traffic Management Mediation)
API Gateway (Cloud Hybrid)

Secure, govern, document and publish APIs
Analyze and gain insights

Enterprise Threat	SAP Cloud Identity	Gigya
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CLOUD FOUNDRY

Service Broker	Micro gateway
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API Product Manager



API Developer

API Backends

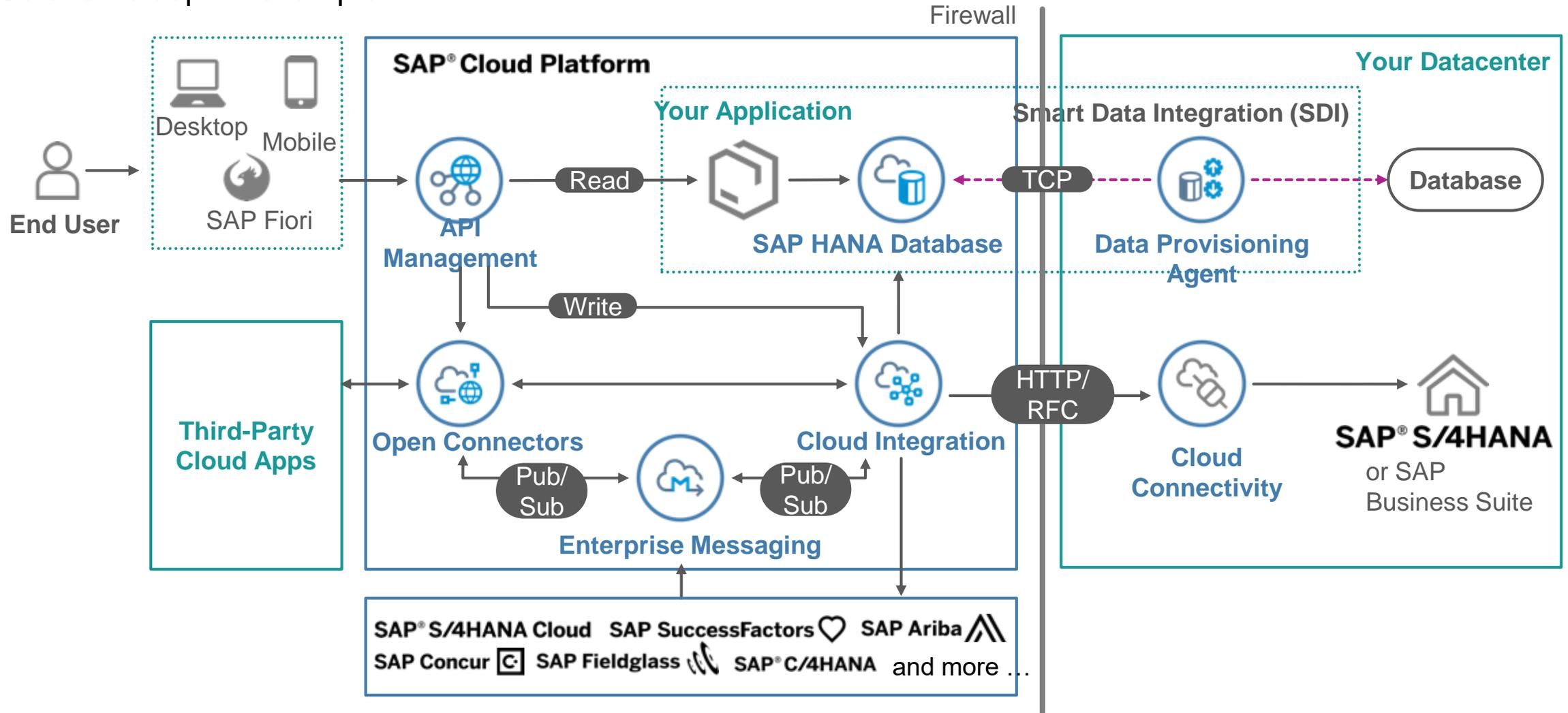
SAP C/4HANA
SAP SuccessFactors
SAP Ariba
SAP Apps, HANA, Middleware

SAP Cloud Platform Business Services

Zoho Work-Online, Salesforce, HubSpot, Freshdesk, Intuit QuickBooks, Marketo, Magento

Digital integration hub

Solution blueprint example



Solution architecture



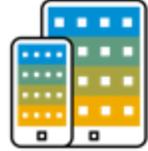
Chat Bots



SAP Fiori



SAP Analytics
Cloud



Mobile

Customer 360 Mission Control Center
(Top customers, opportunities, revenue,
Tickets)

API Management

Enterprise API fabric



API traffic
management



API security
best practices



Developer
engagement

Cloud Integration

(Orchestration, mediation, transformation and routing)



Adapters
(OData, REST)



Message
converters



Map and
transform

Open Connectors

(third-party connectivity)



Normalized
authentication



Events and
polling



Bulk
operations

SAP® S/4HANA

(materials, products, price, sales orders)



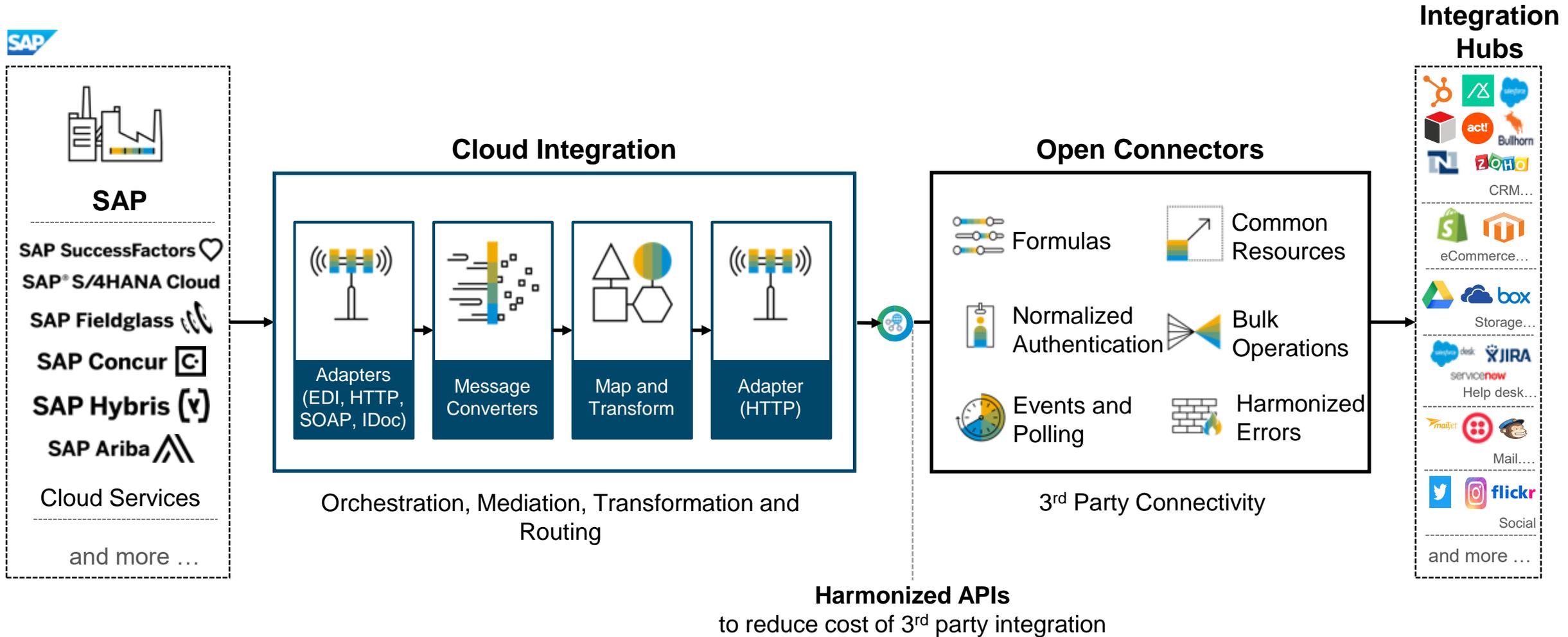
(customers, opportunities)

servicenow

(Service Tickets)

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

Simplicity and increased agility with harmonized APIs



SAP Cloud Platform Open Connectors

Integration hubs simplifying 3rd party integration

Cloud Storage

CRM

Finance

Marketing

Help Desk

ERP

Social

Messaging

SAP Cloud Platform Open Connectors

Integration hubs simplifying 3rd party integration



eSignature

<p>Adobe Sign</p> <p>ID: 1538</p> <p>esignature</p>	<p>DocuSign</p> <p>ID: 141</p> <p>esignature</p>
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Collaboration

<p>Cisco Spark</p> <p>ID: 8726</p> <p>collaboration</p>	<p>Slack</p> <p>ID: 7232</p> <p>collaboration</p>	<p>Visual Studio Team Services</p> <p>ID: 19904</p> <p>collaboration</p>
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HCM

<p>Build a new connector</p>	<p>Bamboo HR</p> <p>ID: 1691</p> <p>collaboration</p>	<p>Greenhouse</p> <p>ID: 1624</p> <p>collaboration</p>	<p>Namely</p> <p>ID: 23</p> <p>collaboration</p>	<p>NetSuite HCM 2016 Release 1</p> <p>ID: 916</p> <p>collaboration</p>
<p>SmartRecruiters</p> <p>ID: 1942</p> <p>collaboration</p>	<p>SuccessFactors</p> <p>ID: 1186</p> <p>collaboration</p>	<p>Taleo</p> <p>ID: 57</p> <p>collaboration</p>	<p>Taleo Business Edition</p> <p>ID: 1947</p> <p>collaboration</p>	



Payments

<p>Build a new connector</p>	<p>Chargebee</p> <p>ID: 3021</p> <p>collaboration</p>	<p>Chargefy</p> <p>ID: 428</p> <p>collaboration</p>	<p>Cloud Elements for Stripe</p> <p>ID: 3940</p> <p>collaboration</p>	<p>Expensify</p> <p>ID: 7051</p> <p>collaboration</p>
<p>Paypal v2</p> <p>ID: 933</p> <p>collaboration</p>	<p>Zuora v2</p> <p>ID: 9221</p> <p>collaboration</p>	<p>ZUORO</p> <p>ID: 9221</p> <p>collaboration</p>		



Conferencing

<p>EventMobi v1</p> <p>ID: 3313</p> <p>event-conferencing</p>	<p>GoToWebinar</p> <p>ID: 8391</p> <p>conferencing</p>
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Field Service

<p>FieldAware v2</p> <p>ID: 7200</p> <p>fsa</p>	<p>FieldLocate</p> <p>ID: 847</p> <p>fsa</p>
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Expenses

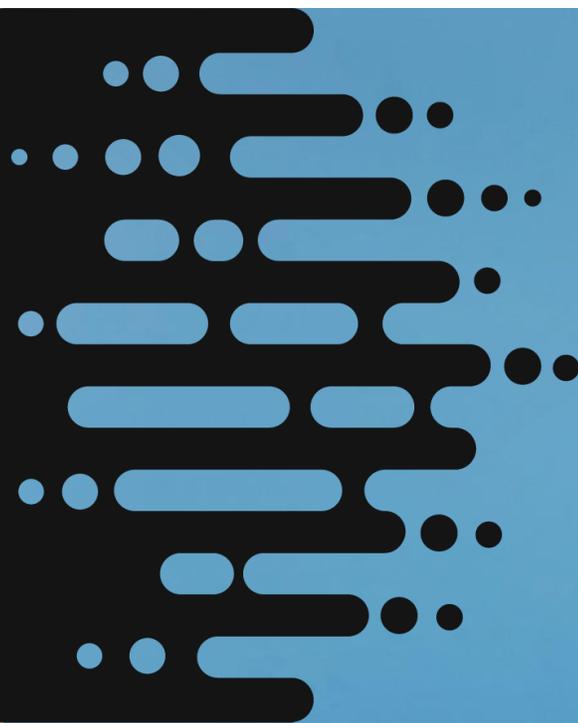
<p>Concur</p> <p>ID: 10602</p> <p>expense beta</p>	<p>Expensify</p> <p>ID: 7051</p> <p>payment</p>
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ECommerce

<p>Build a new connector</p>	<p>Amazon Marketplace</p> <p>ID: 10362</p> <p>collaboration</p>	<p>BigCommerce</p> <p>ID: 624</p> <p>collaboration</p>	<p>Erwin</p> <p>ID: 54</p> <p>collaboration</p>	<p>Etsy</p> <p>ID: 716</p> <p>collaboration</p>
<p>Infusionsoft Online Sales</p> <p>ID: 367</p> <p>collaboration</p>	<p>Magento</p> <p>ID: 875</p> <p>collaboration</p>	<p>Magento SOAP v1.0</p> <p>ID: 4862</p> <p>collaboration</p>	<p>Magento v2.0</p> <p>ID: 7110</p> <p>collaboration</p>	<p>SAP Anywhere</p> <p>ID: 1206</p> <p>collaboration</p>
<p>Shopify</p> <p>ID: 27</p> <p>collaboration</p>	<p>Volusion</p> <p>ID: 55</p> <p>collaboration</p>	<p>Webify</p> <p>ID: 1288</p> <p>collaboration</p>	<p>WooCommerce</p> <p>ID: 1620</p> <p>collaboration</p>	<p>ePages</p> <p>ID: 1740</p> <p>collaboration</p>

Summary



SAP Cloud Platform Integration Suite

Mission Simplify integration for the Intelligent Enterprise

Environment **The Enterprise Integration Suite for hybrid and heterogenous environments for SAP customers**

Value
proposition

1. SAP Cloud Platform Integration Suite **simplifies business process integration**, app development and innovation by providing real-time, trusted access to SAP and non-SAP data in hybrid and heterogenous environments.
2. SAP Cloud Platform Integration Suite accelerates integration with **1100+ out-of-the-box business process integrations** incorporating LOB and industry best practices and **160+ open connectors to 3rd party apps**
3. SAP Cloud Platform Integration Suite opens up enterprise data and processes from SAP and non-SAP systems as real-time **Open APIs for omni-channel access**

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Related SAP TechEd Learning Journeys

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 - INT2 – Master integration technologies uniting your intelligent suite
 - iENT1 – Deliver the Intelligent Enterprise along key end-to-end processes
 - CAA5 – Extend, integrate, and embed intelligence into SAP S/4HANA
-

Related SAP TechEd sessions

- iENT200 – Experience the Next-Generation Processes of the Intelligent Suite from SAP
 - INT100 – The Hybrid Integration Platform from SAP for Your Integration Needs
 - 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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Contact for further topic inquiries

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Management
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