

## Architecting the Future: Intelligent IT Integration for SAP S/4HANA Landscapes

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Product Management SAP Integration Suite

October 2025



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## Agenda

- Intelligent IT Integration with SAP Integration Suite Overview and Strategy
- Intelligent IT Integration with SAP Integration Suite Recent Innovations
- Intelligent IT Integration with SAP Integration Suite Road Map
- Key Take-Aways, Q & A
- Links for Further Information

Intelligent IT Integration with

SAP Integration Suite –

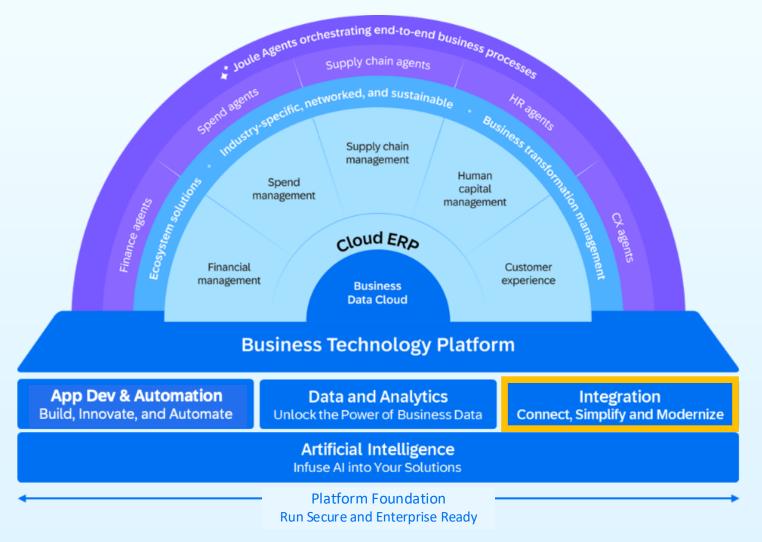
Overview and Strategy



Integration is assuming even greater importance as a **strategic priority** and **key-enabler** of Al-driven and automated business.

#### **SAP Business Suite**

#### The future "target state" of enterprise management



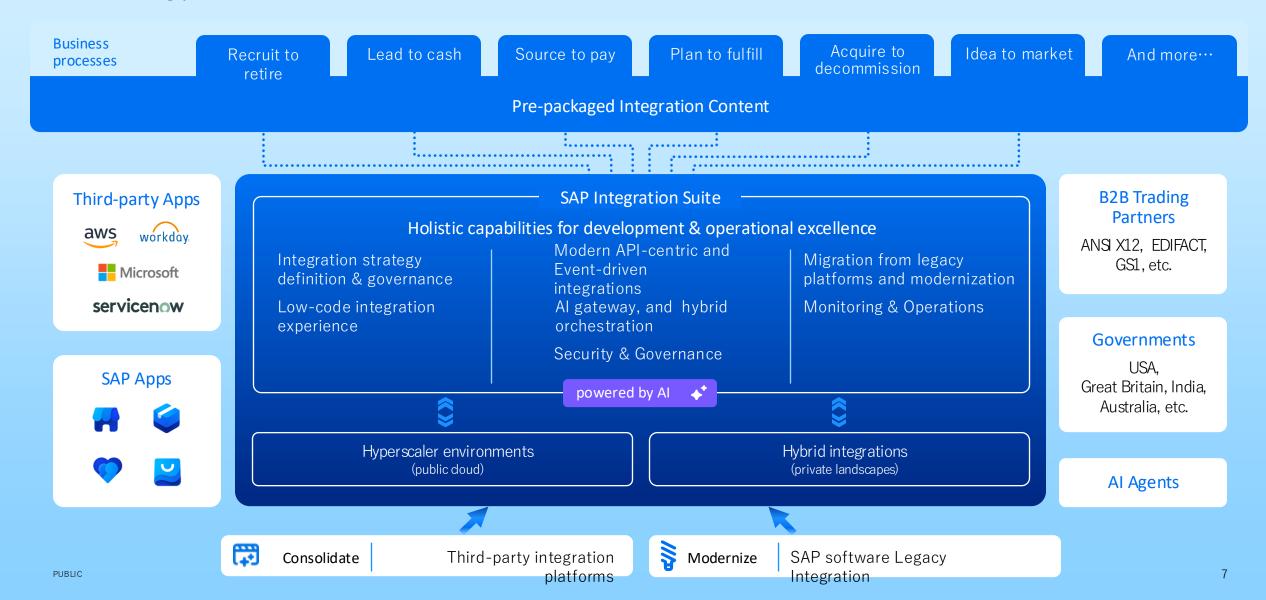
Y L R

Al-First: Leverage Business
Al and Business Data Cloud
across our entire portfolio

Suite-First: Innovate, build, and run our SAP Suite on our Business Technology Platform

#### **SAP Integration Suite**

Connecting process and data across the value chain



### Choose a recognized Integration Platform as a Service (iPaaS)

SAP recognized as a Leader in the 2025 Gartner<sup>®</sup> Magic Quadrant<sup>™</sup> for the 5<sup>th</sup> consecutive time.

SAP is positioned as the vendor with the highest ability to execute in the report.

With SAP Integration Suite, you can Integrate with one solution to accelerate productivity across SAP and non-SAP landscapes.

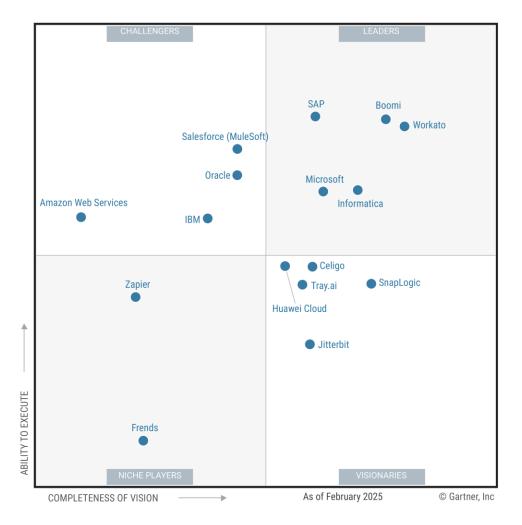
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Gartner®, Magic Quadrant® for Integration Platform as a Service, Andrew Humphreys, Andrew Comes, Keith Guttridge, Allan Wilkins,19 May 2025
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Figure 1: Magic Quadrant for Integration Platform as a Service





#### Choose a recognized Integration Platform as a Service

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How SAP Integration Suite
customers achieved 345%
ROI and increased
integration developer
efficiency by 30%
Read Forrester's study to learn:

How the suite pays for itself in less than six
months

How SAP customers increased integration
developer efficiency by 30%

How Customers generated 984,000 USD
incremental profit with SAP Integration Suite

The Total Economic Impact\*

Of SAP Integration Suite

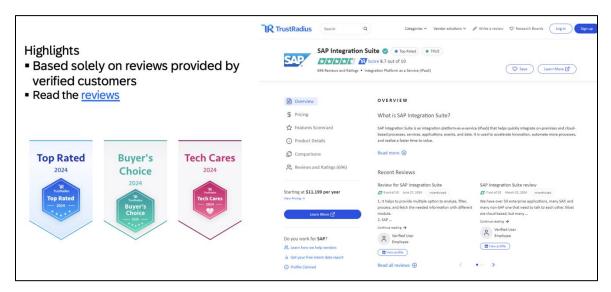
Cost Savings And Business Benefits
Enabled by SAP Integration Suite

Download the Study

Download the Study

No. 1000 Enabled Business Benefits
Enabled by SAP Integration Suite

Download the Study





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

- Versatile and enterprise-grade integration platform covering all integration styles and patterns: A2A/B2B/B2G, APIs, events, digital integration hub, digital ecosystems
- **Proven prebuilt integrations**, APIs, events, domain models to jump-start integration projects

- Rich set of connectivity options and standard adapters for A2A and B2B/B2G integration, 250+ connectors for SAP and non-SAP integrations
- Vendor-managed multi-cloud service in major hyperscalers as well as customer-managed service providing flexibility to run integrations across multiple environments including private landscapes

Simplify the process of **business partners collaboration** with the **power of artificial intelligence** 

Benefit from SAP's **continued innovation and long-term commitment** to simplify and accelerate enterprise integration

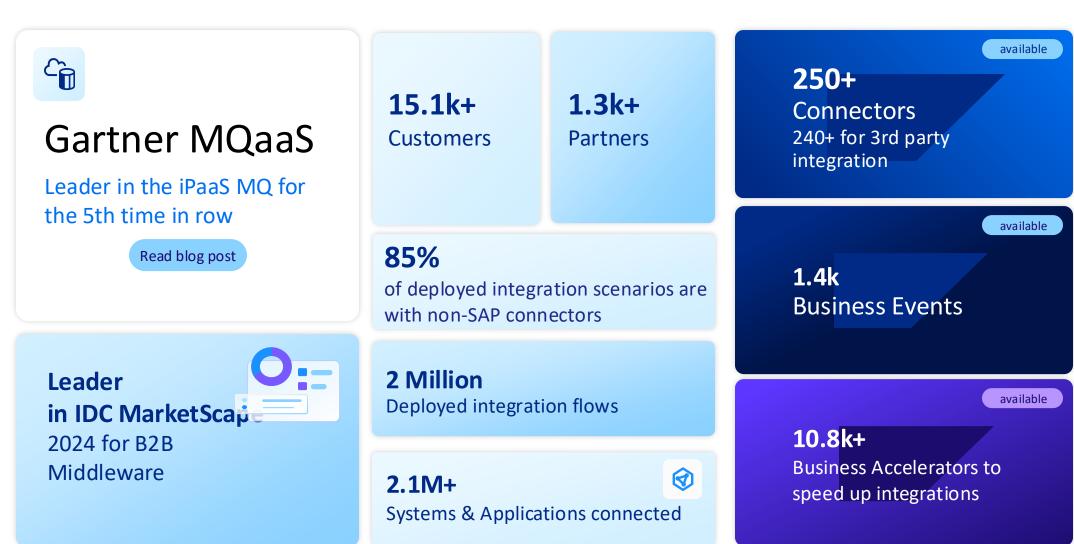
Strong focus on enterprise-grade security such as data isolation, multitenancy, content encryption and signing, single sign-on, and secure on-premise connectivity

Share and learn from a **community and partner ecosystem** 

Offers real-time event streaming that enables an enterprisewide EDA strategy with flexible broker deployments satisfying high scalability and resilience SAP Integration Solution Advisory Methodology with strong customer focus to make our customers run better

## SAP Integration Suite – Bringing Business AI ecosystem together

Trusted solution to scale our customer's business

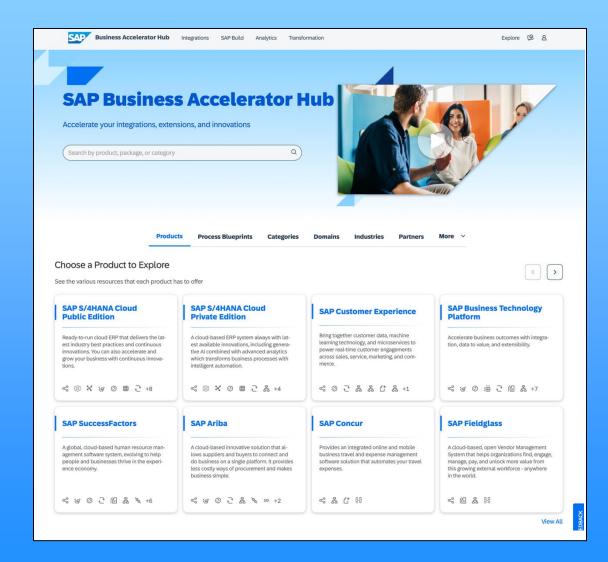


## Fast time-to-value through prebuilt integrations





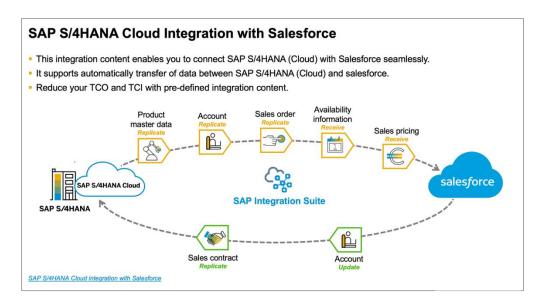


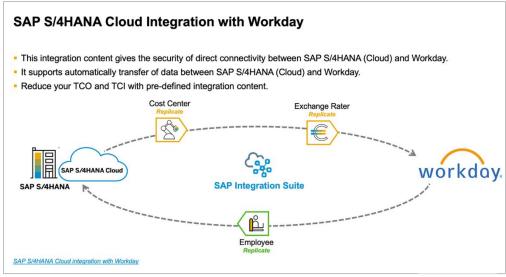


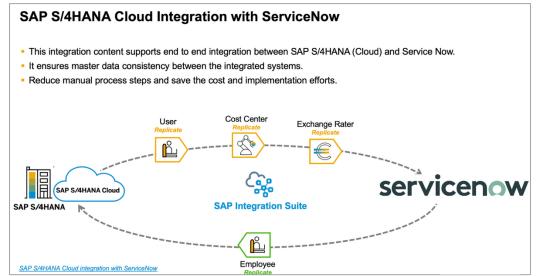




#### SAP S/4HANA to non-SAP integration packs







Public SAP S/4HANA Cloud Integration with ServiceNow Replicate

#### Modernize integrations for long-term innovation agility of clean core

- Use standard content maintained by SAP and Partners
- Integrations based on standard APIs (OData, REST and SOAP)
- Avoidance of traditional interfaces (RFC and IDoc) and their related classical extension options
- Loosely coupled integrations realized in an event-driven design based on standard events
- Side-by-side extensions leveraging API-centric integration (with SAP Build)
- Leverage monitoring and error resolution capabilities in SAP Application Interface Framework (for business users) and SAP Cloud ALM (for technical users)



#### Edge Integration Cell

#### Next-generation "hybrid" integration runtime

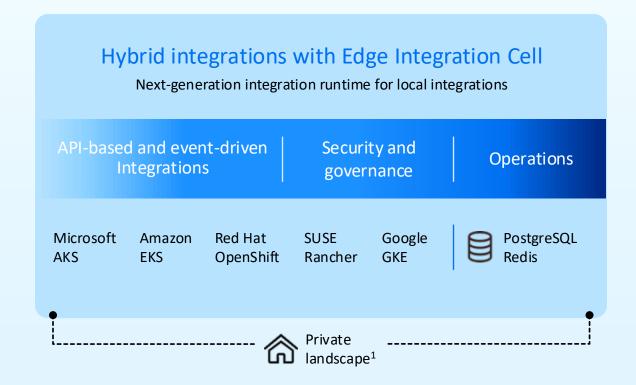
Edge Integration Cell is the new flexible hybrid integration **runtime**, offered as an optional extension to SAP Integration Suite, enabling customers to manage APIs and run their integration scenarios within customer-managed private landscapes.

#### **Reasons for Edge Integration Cell**

- Elevate the transformation journey for organizations using SAP Process Orchestration technology
- Requirement of **on-premise / private cloud** installed base
- Regulatory compliance
- Embrace the modern cloud with hybrid architecture

#### **Edge Integration Cell – Capabilities**

- Integration Studio for design & monitoring in cloud
- Compatible integration flows modeled in Cloud Integration
- · Management of API artifact with policies for security and throttling
- Configuration and management of multiple cells within a tenant
- Ability to operate during periods of temporary connectivity loss to SAP BTP



<sup>&</sup>lt;sup>1</sup> Private landscape corresponds to on premise or private cloud

# Integration Advisor and Trading Partner Management for B2B integration

#### **Integration Advisor**

- Definition and documentation of interfaces and mappings
- Central documentation of B2B and SAP libraries
- Intelligent and crowd-sourced proposal service

#### **Trading Partner Management**

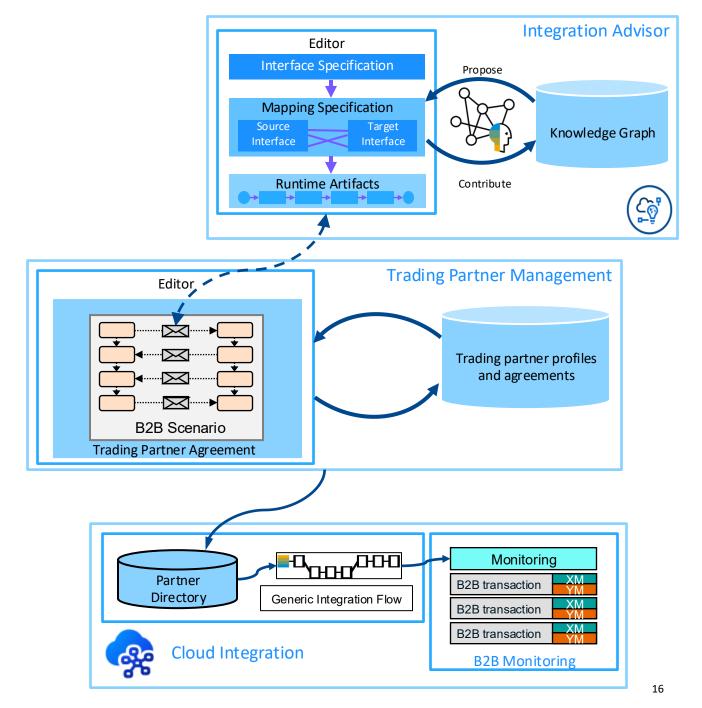
- Creation and maintenance of B2B scenarios
- Consideration of individual aspects and requirements per trading partner
- Push B2B scenario configuration to partner directory

#### **Cloud Integration**

- Stores configuration in partner directory
- Processes B2B transactions with one integration flow

#### **B2B Monitoring**

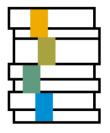
 Monitors the B2B transactions at runtime in corporation with trading partner agreement data



## **Type Systems Overview**

#### **Library of Type Systems**

library of predefined/standardized reusable data types



- ASC X12
- UN/EDIFACT
- Odette
- Tradacoms
- cXML
- xCBL
- GS1
- EANCOM
- Other Available B2B Standards
  - JAIF EDIFACT
  - VDA EDIFACT
  - ODETTE EDIFACT
- ISO Codelists
- UN/CEFACT Recommendations
- Other B2B Codelist Standards
  - Automotive Codelists (JAIF, ODETTE, VDA, UNC)

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### Why API Management?

We need a central hub to find and learn the APIs that we can use:

- Development teams
- Partners
- Customers

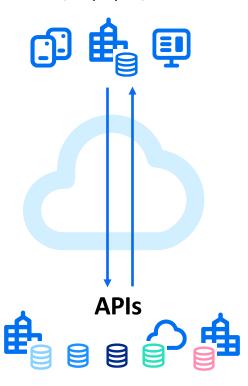
We need to **protect** our APIs, and **understand** how they are used:

- On-premise software, like SAP S/4HANA
- Cloud tenants, like Salesforce or SAP SuccessFactors solutions
- API-led integrations
- Back-end applications developed by your developers or partners
- Public APIs, like OpenAI

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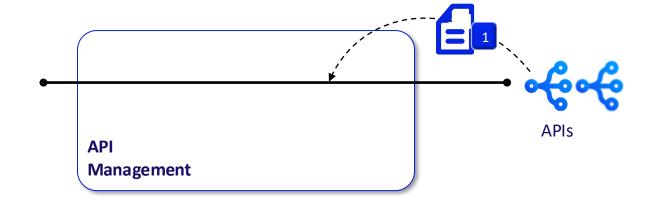
#### **API** consumers

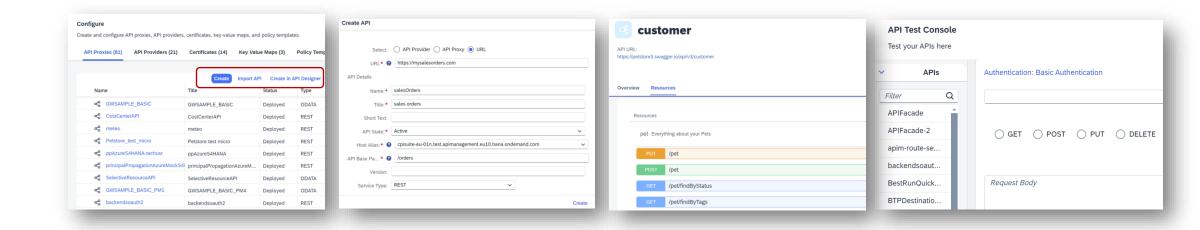
Partners, employees, customers

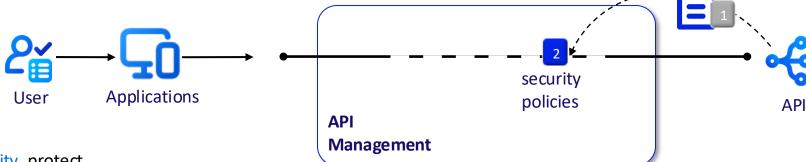


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Discovery and Governance
Discover and import all your APIs, manage
API versions and lifecycle,
add and curate API documentation







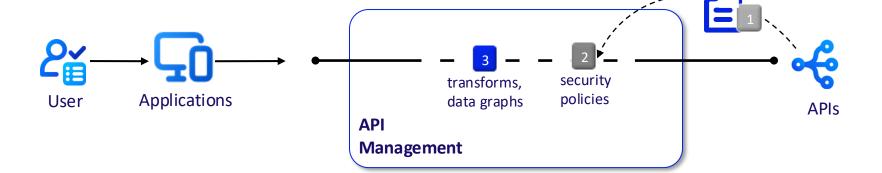
Access & Traffic Security Policies
Introduce access control, ensure API security, protect traffic, and create compliance policies, using templates and best practices

Governance



https://blog.uus.p.com/2.002/03/03/usp-spi-man.age.man.tpo.lid.es/

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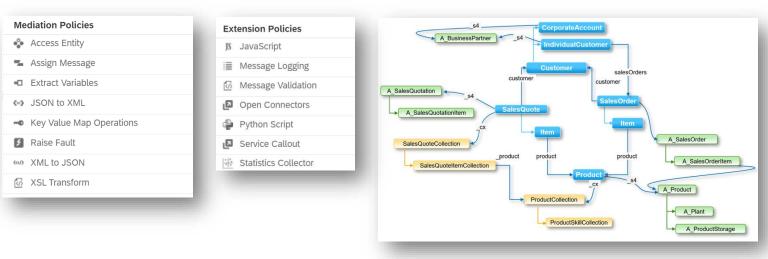
Transforms & data graphs

Governance

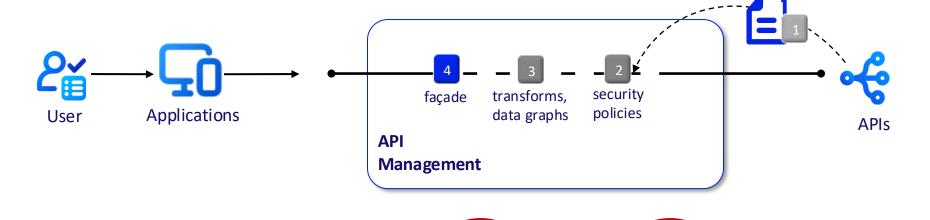
Security

- Apply advanced header and payload modifications and validations;
- Use data graphs to create use-case specific APIs

#### Data graph

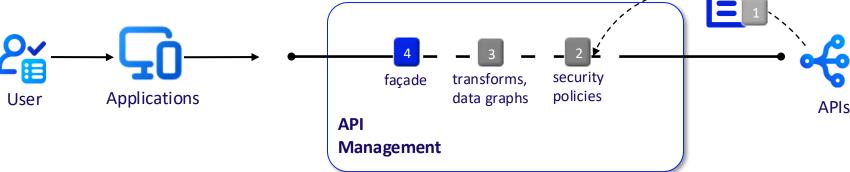


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http://api.bestrun.com/orders/...

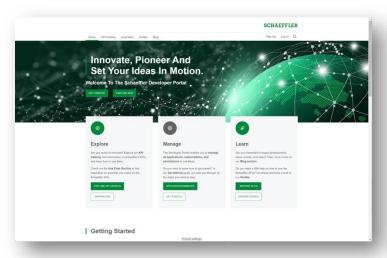
- 1 Governance
- 2 Security
- 3 Transforms
- Uniform Façade
  Create a unified and harmonized API presence, use your own domain and branding



https://api.bestrun.com/orders/...

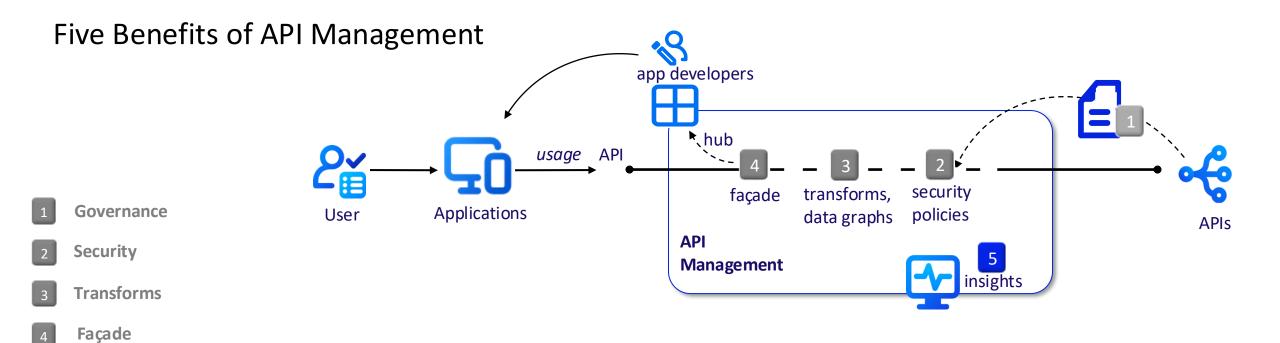
- Governance Security
  - **Uniform Façade & Developer Hub** Create a unified and harmonized API presence, use your own domain and branding

**Transforms** 

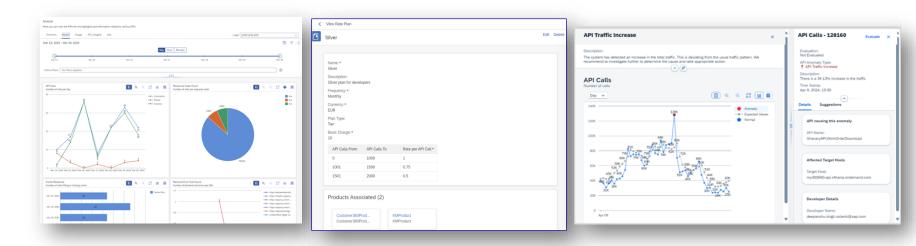




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- 5 Insights & Analytics
  - Analyze usage, monitor health, detect anomalies; use business insights to monetize your APIs



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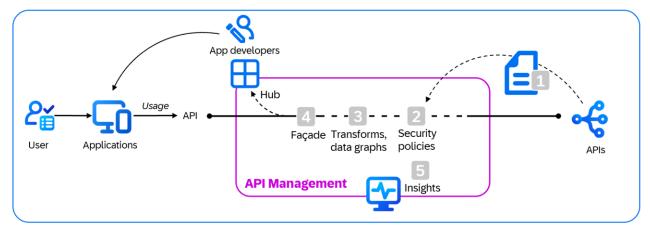
### Key takeaways

#### APIs are business-critical assets

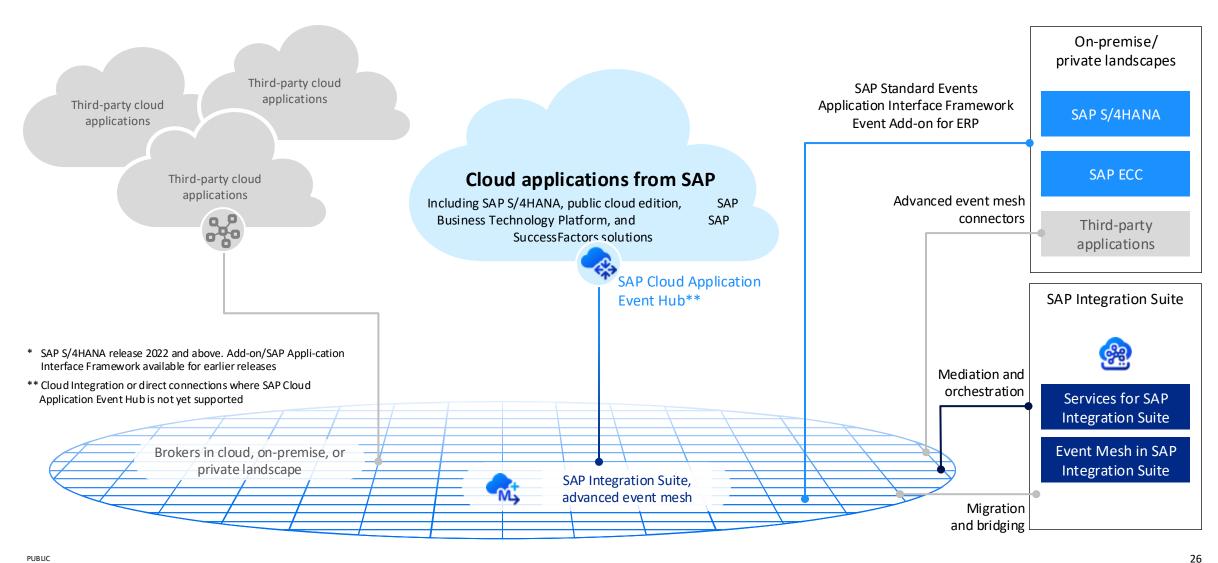
Consider the API Management capability of SAP Integration Suite as a premium and easy-to-use solution for managing, securing, and monitoring your APIs.

Enable app developer productivity with powerful graph queries

Graph introduces curated, semantically connected business data graphs to access all business data through a single API.



## SAP's Event-Driven Technical Ecosystem and Strategy



## SAP Integration Suite's Event Brokers



**Event Mesh in SAP Integration Suite** 

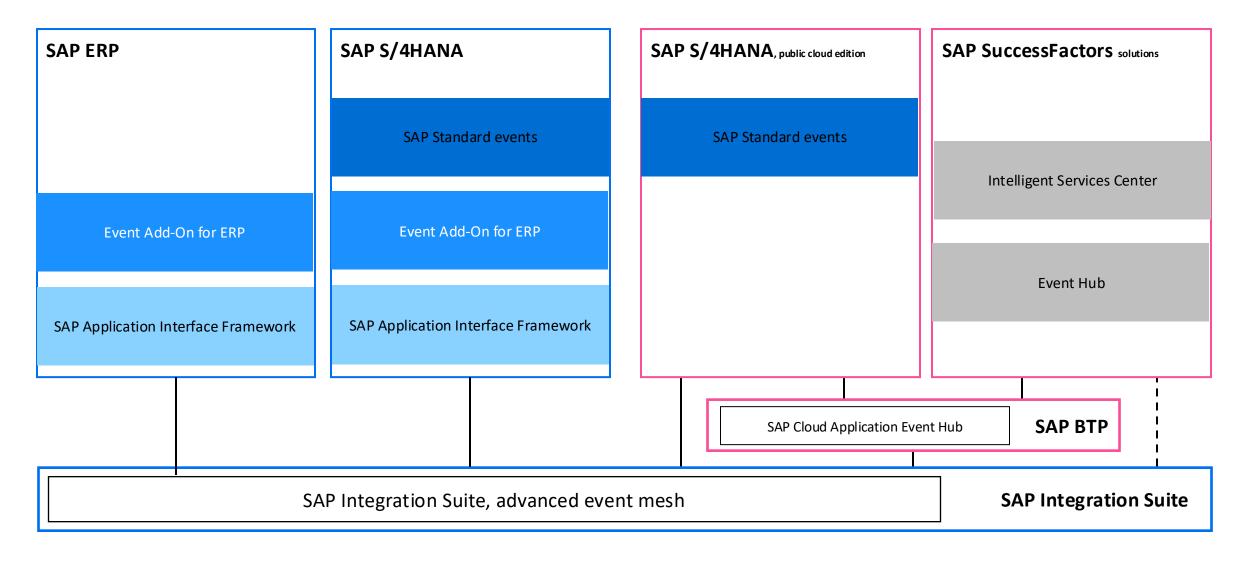
Basic, isolated, small to medium use cases



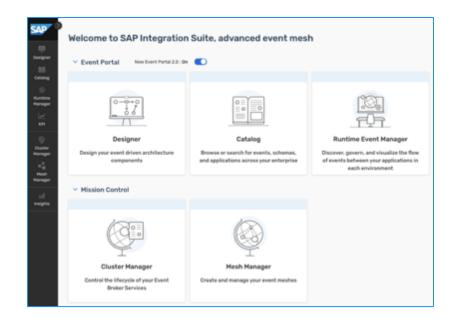
**Advanced Event Mesh** 

Team Player EDA, distributed, social, S to XXXL

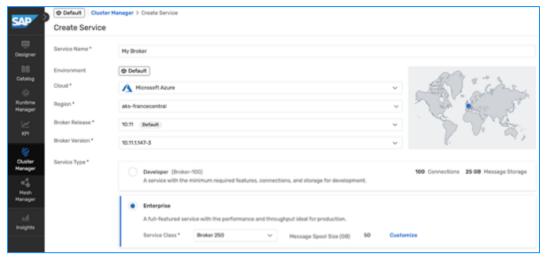
#### Selected Event sources for AEM

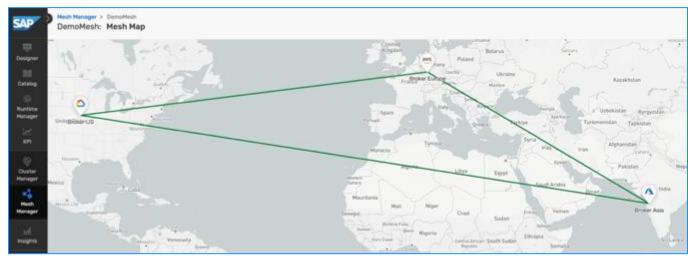


## SAP Integration Suite, advanced event mesh

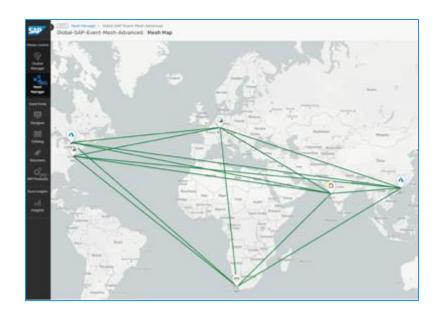


✓				
Exclusive in T-shirt sizes				
Private and public clouds				
✓				
✓				
✓				
Up to 30MB / Up to 6TB				
Small to ultra large				
<b>✓</b>				

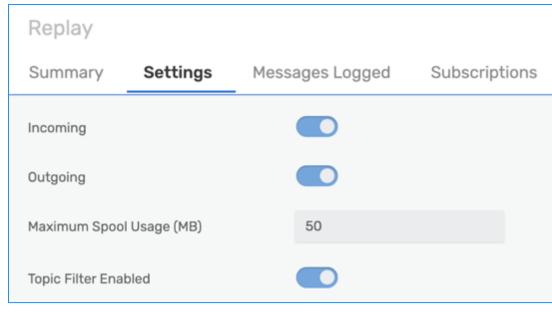


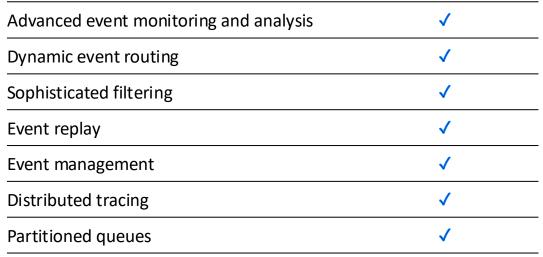


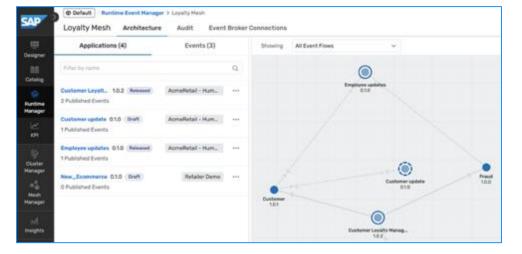
## SAP Integration Suite, advanced event mesh: Sophisticated Features

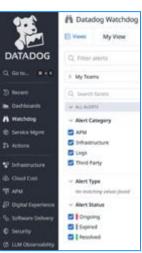












## **AEM: Broker Sizes**

	Developer	Enterprise Services										
T-Shirt Size	XXS	XS	S		М		L		XL		XXL	
Availability Configuration	Single node	High-Availability										
Scaling Tier	100	250	1K		5K		10K		50K		100K	
Maximum Queues	100	250	1000		5K		10K		50K		100K	
Maximum Throughput (Mbps)	8		450			750				1,000		
Default Storage (GB)	25	50	200		400		600		800		1000	
Maximum Storage (GB)						6ТВ						
Maximum Message Size (MB) Persistent	10		10					30				

## SAP Integration Solution Advisory Methodology (ISA-M) at a glance



- Technology-agnostic framework to define and execute an enterprise integration strategy
- Delivers adaptable integration use case patterns, reference architectures and best practices
- Covers all integration styles in today's hybrid and diverse environments

## 4 Phases of SAP Integration Solution Advisory Methodology (ISA-M)



#### Raise the integration maturity level in your organization

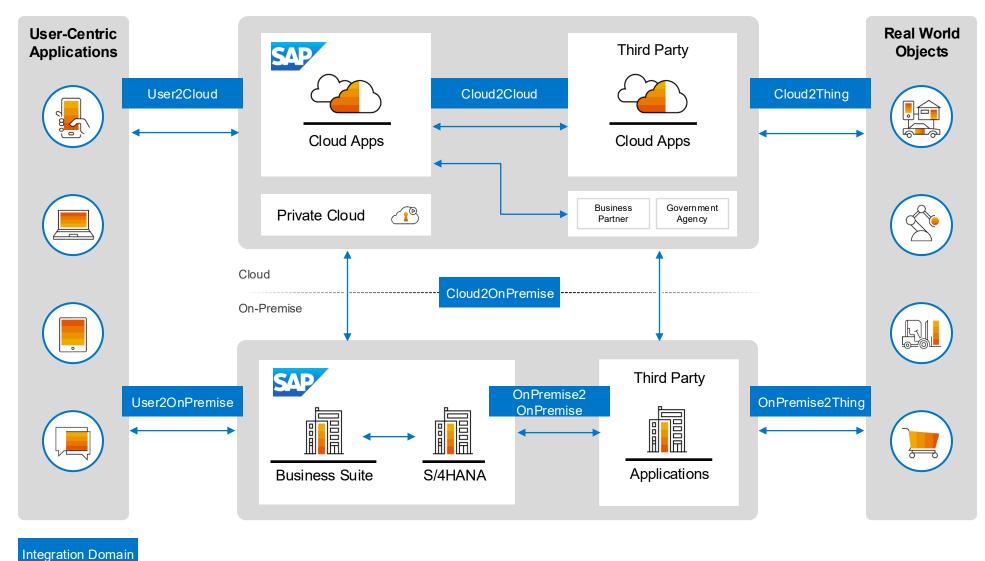
#### empowerment **Define integration** Introduce an agile best practices integration practice (roles, governance) **Design your hybrid** Reuse of reference integration platform architectures, adapting them to your needs Assess your Application of proven integration strategy patterns for process-, data-, analytics-, and Guided scoping of user-integration Nonsystematic your integration scenarios integration requirements Integration not recognized as a key differentiator in your organization SAP Integration Solution Advisory Methodology

Enable a practice of

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## **Overview of Integration Domains**



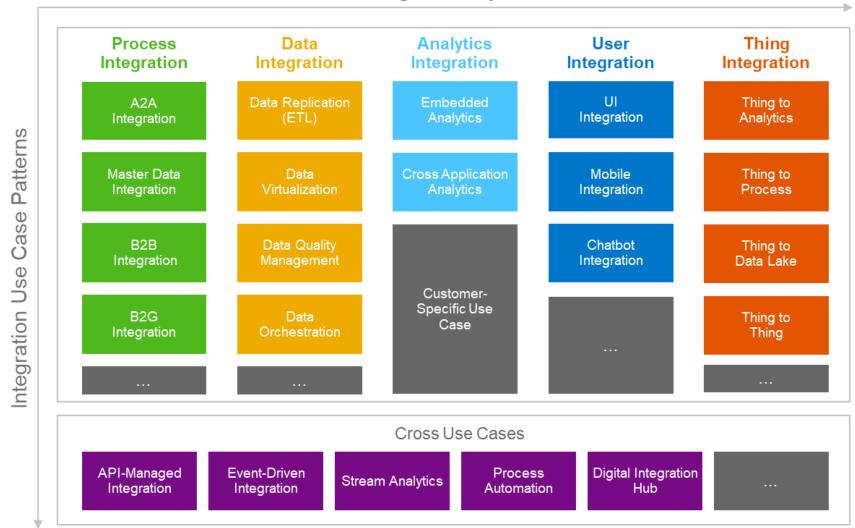


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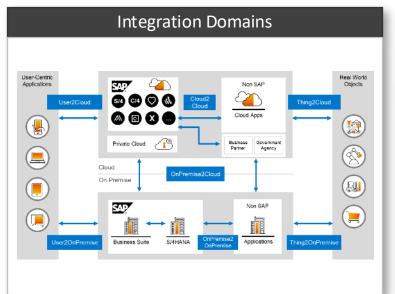


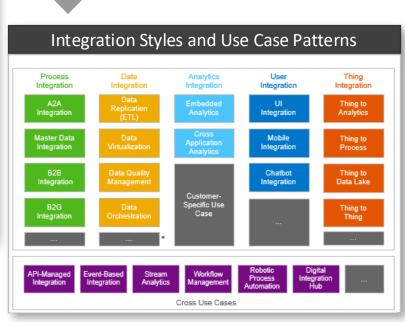
#### Integration Styles

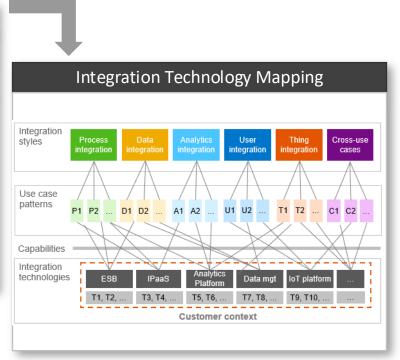










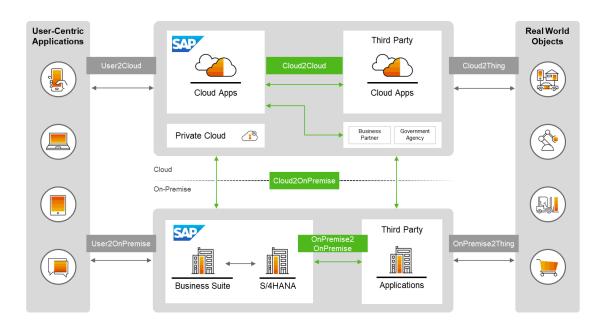


### Example: SAP technology mapping for process integration



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1 Integration Domain(s) and Integration Style



Process Integration

Data Integration

User Integration Thing Integration Cross Use Cases 2 Sample Mapping to SAP Technologies\*

### **SAP Integration Suite**

- SAP's IPaaS for cloud and hybrid integration
- Prepackaged integration content for SAP and third-party apps
- Integration Advisor capability (simplified integration supported by Artificial Intelligence)
- Trading Partner Management capability (for B2B integration scenarios)
- Open Connectors capability (+160 pre-built connectors for Non-SAP apps)
- Edge integration cell runtime (for on premise to on premise integration)
- Complementary: SAP Application Interface Framework (AIF)

### **Key Characteristics**

- A2A, Master Data, B2B, B2G integration use cases
- API-based integration and near real-time processing
- Transactional process integrity

Intelligent IT Integration with SAP Integration Suite – Recent Innovations



### Key innovations delivered since January 2025

### Complete list of innovations documented in <u>release notes</u>

### Artificial Intelligence

- Joule copilot-based discovery and reuse of artifacts from SAP Business Accelerator Hub
- More comprehensive integration flow with more mediation steps created with generative Al
- API and traffic prediction for usage and trends

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### Business Accelerators

- Additional non-SAP connectivity: Al, Google BigQuery, Google Pub / Sub, IBM MQ (JMS). LeanIX, Microsoft Azure Service Bus, Salesforce Pub / Sub, Shopify, ...
- Search and discovery of B2B artifacts published on SAP Business Accelerator Hub
- Search and discovery of SAP Business Data Cloud content on SAP Business Accelerator Hub

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### Migration and Modernization

- New clean core recommendations to modernize existing interfaces with respective APIs (SOAP, ODATA, REST) and business events
- Exactly-once-in-order processing, ABAP proxy generation
- Automatic creation of B2B interfaces based on payload data

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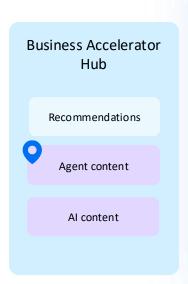
### API-centric and Eventdriven integration

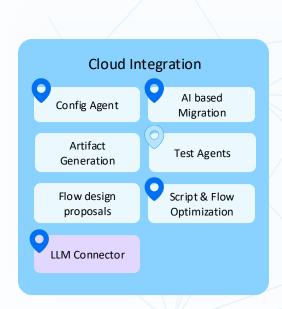
- Developer Hub as single catalog for search and discovery for APIs and events
- Integration of advanced event mesh with SAP Cloud Application Programming Model & SAP Cloud Application Event Hub
- Event add-on to forward custom events from the SAP ERP, SAP S/4HANA to advanced event mesh

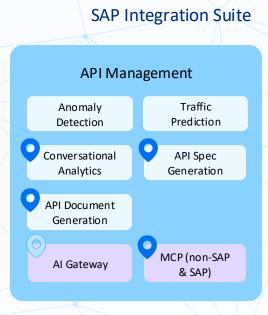
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PUBLIC 40

# Agentic Integration Features and Roadmap











INTERNAL - SAP and External Parties under NDA Only

iPaaS for Al

AI for iPaaS

planne

Concept Phase

# Comprehensive set of connectivity options 250+ connectors to accelerate integration development

### Open spec connectors

### • IBM MQ (REST, JM\$)New!

- AMQP, AS2, AS4, JMS,
- HTTP, HTTPS (incl. REST), SOAP (1.x, RM)
- OData V2 & V4
- Advanced Event Mesh, Kafka
- FTP(S), SFTP
- JDBC (incl. IBM DB2, Microsoft SQL, ODBC, Oracle, PostgreSQL, SAP ASE, SAP HANA)
- Mail (SMTP, IMAP, POP3)
- IDoc, RFC (Sender & Receiver), XI New!
- Data Store, LDAP
- And more

### Connectors to SAP & third-party apps

- Ariba, SuccessFactors (OData, SOAP), MDI
- AWS (S3, SQS, SNS, SWF), AWS Bridge, AWS Dynamo DB
- Microsoft Azure Storage (Blob, Queue, Table), Microsoft Microsoft SharePoint, Azure DB
- Salesforce, ServiceNow, Workday
- Dropbox, Slack, Splunk,
- Elster, Facebook, X, Anaplan, HubSpot, Jira, NetSuite ERP, Snowflake

- BigCommerce
- DocuSign,
- Google BigQuery, Google Pub/Sub, Google Cloud
- LeanIX
- Microsoft Azure Service Bus
- Microsoft OneDrive, Microsoft Teams
- Salesforce Pub/Sub, Shopify

New!



Full list of adapters by SAP



Full list of open connectors

### Open connectors to thirdparty apps

- Cloud storage
- Collaboration
- CRM
- ECommerce
- ERP
- eSignature
- HCM
- Field services
- Finance
- Help desk
- Messaging
- Payments
- Social
- And more

Intelligent IT Integration with

SAP Integration Suite –

Road Map



# Customer collaborations help to drive product decisions SAP Integration Suite

#### **SAP Customer Influence**

- ~1300 customers & partners engaged
- Requesting features, 90% considered for roadmap
- SAP review within planning process



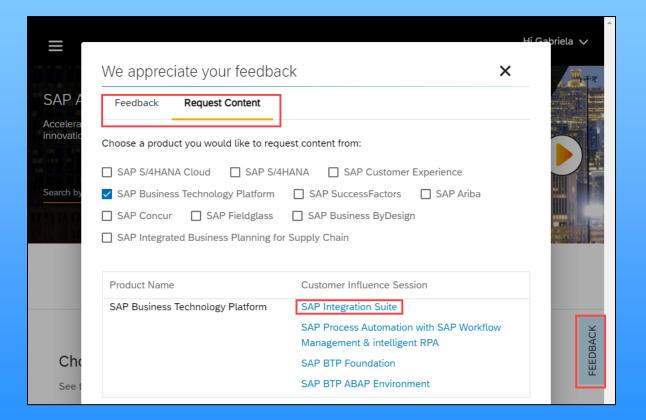
#### Feedback through SAP Business Accelerator Hub

- Report bugs or provide feedback
- Request content such as APIs, integrations, events (points to SAP Customer Influence)

#### **Customer Engagement Initiative**

- Sneak peek into product vision, ideas, and prototypes & share early feedback
- Topics: SAP PO migration, Edge Integration Cell, (Gen)AI, API-centric integration, B2B, event-driven integration, and more





UBLIC 4

### Future Investment Areas & Road Map for SAP Integration Suite until Q2 / 2026



### Artificial Intelligence

- Intelligent, context-aware recommendations for detected API anomalies
- Payload-size anomaly identification in API traffic
- Agent interaction through MCP
- Migration agent for adapter modules, Java mappings
- Joule-based conversational analytics for APIs
- Configuration Agent

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### Business Accelerators

- Connectivity options:
   Amazon Kinesis, Google
   Drive, Google Sheets,,
   MongoDB, OFTP2, Salesforce
   Service Cloud, Zendesk, ...
- Support for publication of Joule skills and Agents in SAP BAH
- Self-service integration content publication from SAP Solution Hub to SAP Store and SAP Business Accelerator Hub

• ..



### Migration and Modernization

- Support for mass migration from SAP PO to SAP Integration Suite
- Alerting of failed B2B messages in SAP Cloud ALM
- Edge Integration Cell: B2B capabilities, Valkey DB
- SAP Integration Suite on SAP Infrastructure
- Where-used list of security material

• ...



### API-centric and Eventdriven integration

- Integration of advanced event mesh for health and scenario monitoring in SAP Cloud ALM and SAP Focused Run
- Migration support from SAP Event Mesh and the Event Mesh capability of SAP Integration Suite to SAP Integration Suite, advanced event mesh
- Discovery and publication of advanced event mesh events in Developer Hub

...

ривис 45

## **SAP Integration Suite Road Maps**



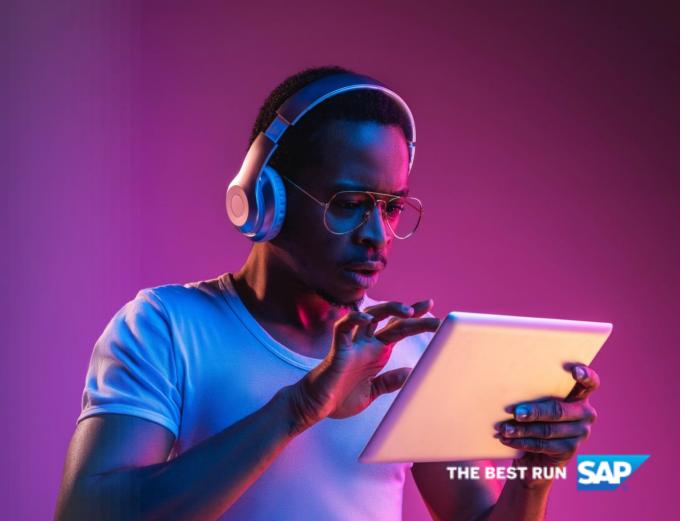
**SAP Integration Suite** 



**Edge Integration Cell** 



**SAP Cloud Integration (standalone)** 



# Key Takeaways



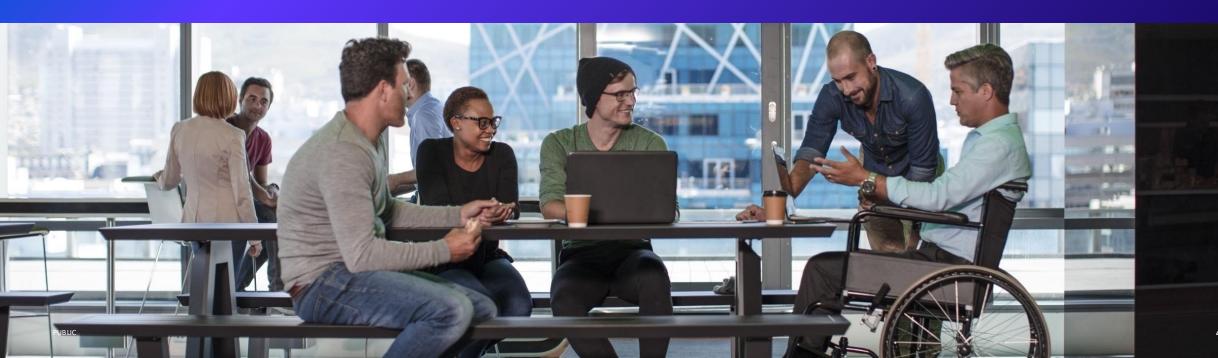
### Summary

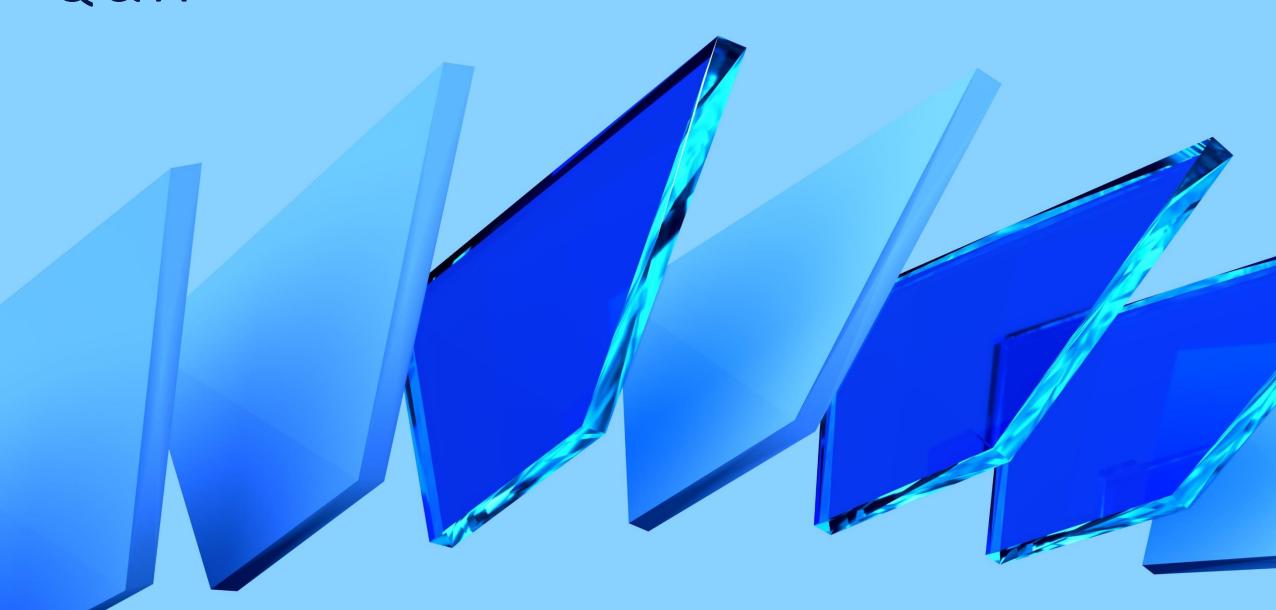
### SAP Integration Suite ...

Is a comprehensive and enterprise-grade integration platform covering all integration use cases, such as A2A, B2B, B2G, API-based, and event-driven integration

Provides a rich set of prebuilt integration content for a tight integration with SAP and non-SAP applications

Drives the digital transformation of customers across industries globally





# Links For Further Information



### **SAP Integration Suite**

### Scale Enterprise Integration to future proof business







ույն է առաջանում է առաջանու

### Jump start your integration journey with SAP



### **Strategy paper**

Intelligent enterprises are integrated enterprises.

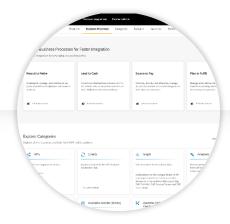
Explore now >



### **CIO Guide**

SAP's hybrid integration platform for the Intelligent Enterprise.

Read now >



## SAP Business Accelerator Hub

provides a single access point to prebuilt integrations, APIs, events, and more.

Explore now >



### **SAP Community**

connects thousands of users to share ideas, learn, and innovate.

<u>Visit the Community ></u>

Blog | Documentation | Try it out with free BTP Trial | "Get started" mission at SAP Discovery Center

Start today with SAP Integration Suite

### **EXPLORE**

sap.com | video | solution in detail | solution brief | service
description | roadmap

### **GET STARTED**

SAP's integration strategy | Discovery Center missions | tutorial starter scenario | Learning Journey | openSAP course

### **LEARN**

SAP Community | blogs | documentation | what's new | webinars on key technologies

### **INTEGRATIONS**

SAP Business Accelerator Hub @ hub.sap.com



### Start Your Enterprise Automation Journey





### Learn more

- Visit sap.com/enterprise-automation
- Explore pre-built integration and automation content from the <u>SAP Business Accelerator Hub</u>
- Whitepaper: <u>How to get started with Enterprise</u>
   Automation





### Get started at no cost

• Speak to your SAP team about the workshops and process assessments available





### Try a workshop

- Build a use case with SAP BTP Free Tier version for SAP Build Process Automation
  - <u>Activate your SAP Build entitlements</u> or SAP Signavio entitlements included in your RISE for SAP offering

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### **Messages – Cloud Integration**

In the context of Cloud Integration capability of Integration Suite, the combined (aggregated) size of all outbound messages via one or more receiver(s) adapter is considered for message metering.

For synchronous calls via receiver adapter, the message size of both request and response messages processed by receiver adapter together is considered for the message size measurements

If the combined size is less than or equal to 250KB, it will be considered as one message. If it is more than 250KB, it will be counted in blocks of 250KB.

**Exception: Splitter** 

In case of integration flows using splitter, each split outbound message via receiver adapter(s) will be counted as separate message.

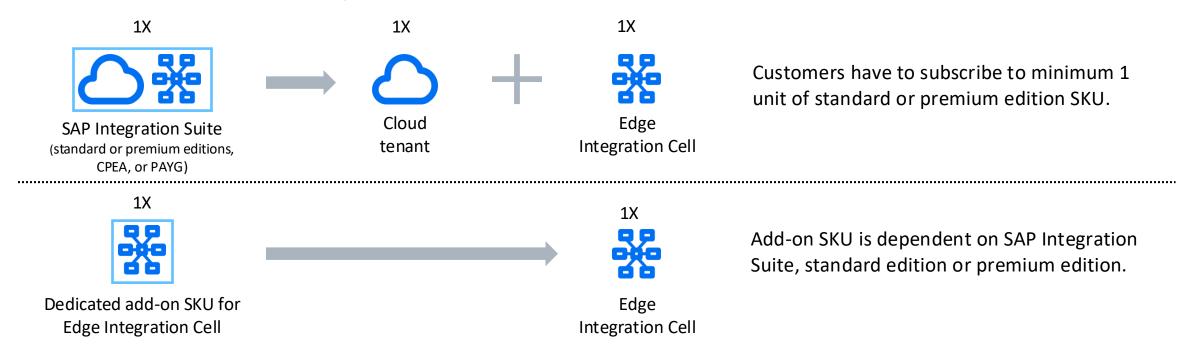
https://launchpad.support.sap.com/#/notes/2942344

**Definition of "synchronous call":** a request made to another system that returns payload that will be processed in the integration flow. The status data is not measured (eg. HTTP status codes, JDBC response, ...).

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### Licensing model

- Edge Integration Cell is included as a part of the existing SAP Integration Suite (for standard and premium editions and CPEA and PAYG).
- Additional Edge Integration Cell add-ons can be acquired through a separate add-on SKU.
- Only 50% of the messages that are processed by Edge Integration Cell are chargeable (excluding unmodified standard content for SAP-to-SAP software).



Public

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