

# SAP Integration Suite

## Monthly Updates – April 2023

Product Management Team & Guests, SAP Integration Suite

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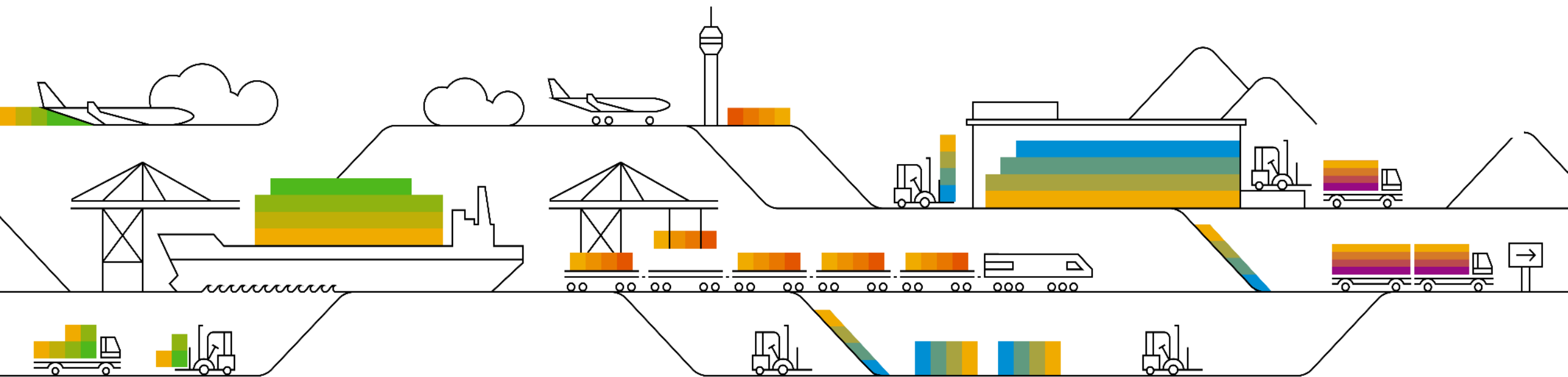
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# Agenda

- Cloud Integration
- Event Mesh
- Q & A



# Cloud Integration



# Action required: Move from Advantco adapters to new adapter versions

As per [SAP note 3001980](#) the following adapters from Advantco are deprecated since December 31<sup>st</sup>, 2020:

- Salesforce, Amazon Web Services, Microsoft Dynamics, SugarCRM

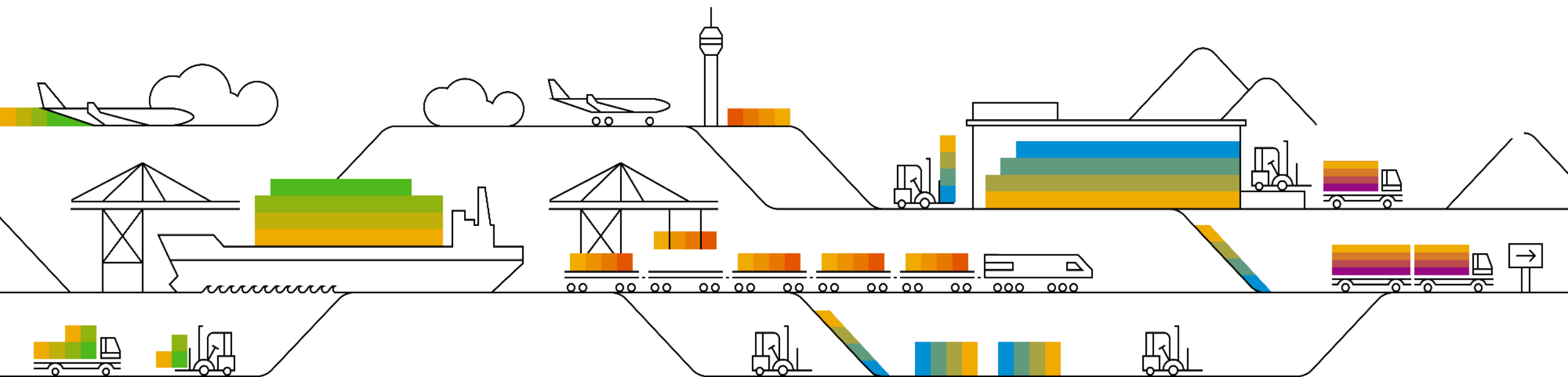
There haven't been any new features or enhancements for these adapters.

**As of January 1<sup>st</sup>, 2024, adapters will no longer run.**

## Action required

- Option 1: Migrate to updated new adapter versions and benefit from multiple new features
  - Migration support documented in [SAP Work Zone](#), e. g. [Salesforce adapter](#), [Amazon Web Services adapter](#)
  - Request access to [SAP Work Zone](#) at Annemarie Kiefer ([annemarie.kiefer@sap.com](mailto:annemarie.kiefer@sap.com))
  - Partner company Rojo Consultancy offers tips and tricks
  - Rojo Consultancy offers consultancy services. Fees apply.
  - For further question and support, open a ticket on the “LOD-HCI-PI-CON-TPRO” component, subject: “Help with upgrading to the OEM adapters”
- Option 2: Purchase new Advantco adapter versions from Advantco with support from Advantco only
- For both options: Delete integration flows using the adapters that are no longer in use and undeploy adapters

# Event Mesh



# Agenda

## Event-Driven Architecture

- Event Native Mindset
- Basics and Concepts
- Benefits of EDAs

## SAP's Event-Driven Ecosystem

- Big Picture
- Event Mesh and Advanced Event Mesh
- Event Sources

## Event-Driven Use Cases

## The Road Ahead

## Quick Demo



# Event Native Mindset



**Traditional IT acts as  
data custodian**



**We need to operate at the  
speed of business**

**Scott, IT, Fortune 500 Customer**



**State-of-the-art IT acts as  
nervous system**



## WhatsApp Style

Inform an access-controlled group of event consumers proactively about events in real time



#SocialMediaApproaches

## Twitter Style

Inform all interested consumers about significant changes in real time



#InEnterpriseEnvironment

**We want our ERP  
to be a team player**

**Derrick, Fortune 500 Customer**



## **Event-driven Architecture in a nutshell**



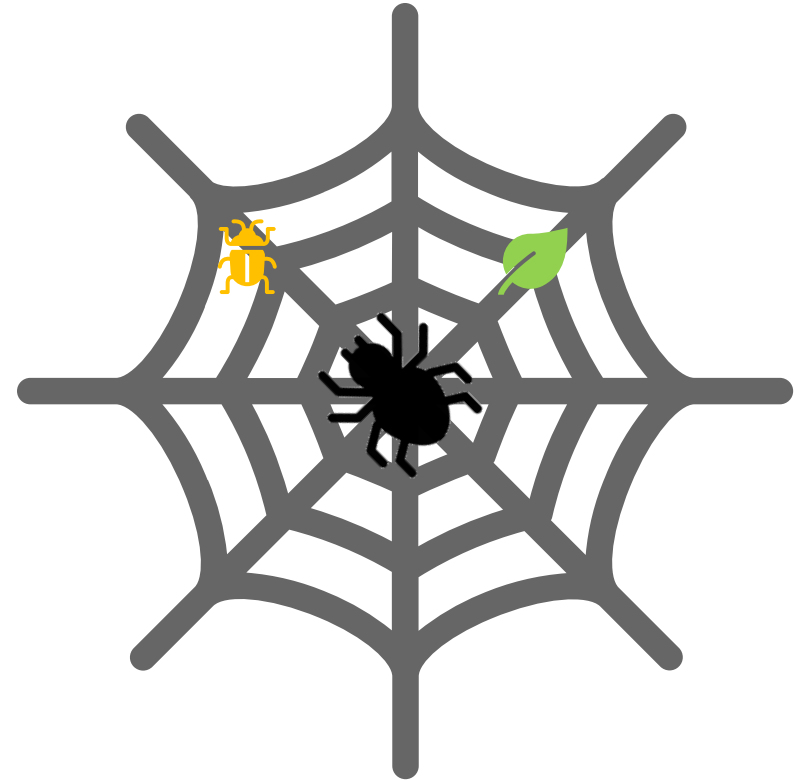
# Events and Real-World Event-Driven Architecture

An **event** is a **significant change in state**

**Notification Events** or **Data Events** can be sent from the **event source** to inform of the change

A message holding the event description in an encoded format is sent via an **event broker**

**Event consumers** have registered with the event broker and are informed of the event



```
{"type":"sap.s4.beh.businesspartner.v1.BusinessPartner.Changed.v1","specversion":"1.0","source":"/default/sap.s4.beh/000000007","id":"fa163e0b-4824-1eec-83f7-32dfc754759c","time":"2021-09-07T08:57:17Z","datacontenttype":"application/json","data":{"BusinessPartner":"1000187"}}
```

# Event Type: Patterns, Sizes and Trends



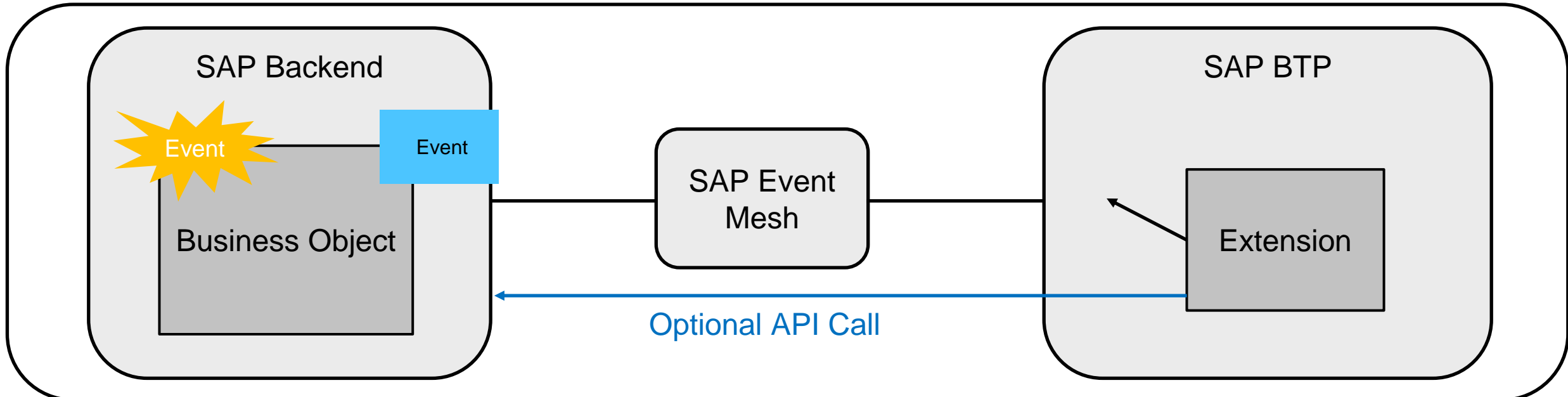
## Notification Event

- Extra **Small**
- **Additional synchronous step** required
- Controlled data access
- **Suitable API** needed on top of suitable event



## Data Event

- Small to Large
- Required **data included** in event
- Size differs ( **Full > Custom > Decision** )
- Raises topics like **data access** and **protection**



# Benefits of event-driven architecture



## Technology

- **Loose Coupling** results in flexibility and scalability
- Improved **fault tolerance** by applying suitable patterns
- **Incremental growth** by adding event consumers and event sources step by step resulting in better operations and improved quality
- Allow for a new kind of **real time** technical integrations and extensions



## Business

- Improve situational awareness by getting informed about relevant events in **business real time**
- Base **business decisions** on completely up-to-date information
- **Hyper-automate** business processes resulting in improved reaction time and lower costs
- Open approach across **vendor boundaries** makes new business scenarios possible


Social Media Style **Organizational Empowerment**

# What is so special about SAP's Event-Driven Ecosystem?



It brings technology and business benefits of Event-Driven Architecture together in a unique way

# Event Driven Business Architecture Adds to basic EDA Benefits



**Crossing  
Vendor  
Boundaries**



**Event Value  
& Quality**



**Data  
Protection**



**Large  
Globally  
Distributed  
Landscapes**




**Mix with  
other  
approaches**



**Rewire  
Business  
Processes**



**Business  
Real Time**



**Hyper-  
automation**

# SAP's Event-Driven Ecosystem



# SAP's event-driven ecosystem today

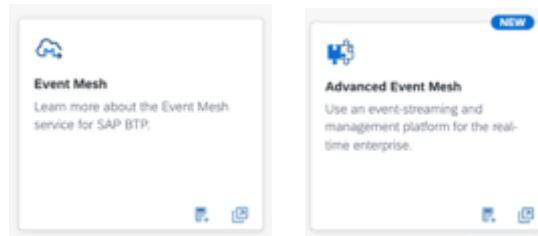
## Event sources

SAP S/4HANA  
SAP S/4HANA Cloud  
SAP ERP  
SAP SuccessFactors solutions  
SAP Marketing Cloud  
SAP Fieldglass solutions  
SAP Data Intelligence  
SAP CPQ  
Other SAP solutions  
3rd party

## Eventing infrastructure

### SAP Integration Suite

- SAP Event Mesh
- Advanced Event Mesh



- Event routing services
- Event catalogs

## Event consumers

SAP Integration Suite  
SAP Build  
SAP BTP Services & Apps  
SAP back ends  
(SAP S/4HANA Cloud and SAP S/4HANA, SAP ECC and SAP S/4HANA using add-on)  
Project “Kyma”  
SAP Data Intelligence  
Azure Event Grid  
(Beta Program)  
3rd party

## Know-How

Guidance (ISA-M ...) and Learning Materials (DC Missions ...)

# SAP Event Mesh & SAP Integration Suite, advanced event mesh

Fully-managed services for enabling enterprise-grade event-driven architectures



## SAP Event Mesh

- **Low entry barrier** to event-driven architectures with **pay per** use-based pricing
- **Integrate and extend SAP applications** in an event-driven way based on SAP Integration Suite
- **SAP BTP Deployment** and **native event broker** for SAP S/4HANA, free add-on for custom ECC events
- **Openness and focus** combined by supporting open standards and providing extra benefits for SAP ecosystem
- **Scales well** with certain **set limits**

## Advanced Event Mesh

- **Complements SAP Event Mesh** for more demanding scenarios
- **Enterprise-grade** performance, reliability, security and governance; scales to **very large use cases**
- **Distributed mesh of event brokers** deployed **across environments** in **private or public clouds**
- Full purpose set of **eventing services** including event streaming, event management and monitoring
- **Advanced features** like dynamic message routing and fine-grained filtering

# SAP Integration Suite, advanced event mesh

## Fully managed event streaming and management services that enable enterprise-grade event-driven architecture

### Overview

- **Distributed mesh** of event brokers that can be deployed across environments
- Full purpose set of **eventing services**
- Supports event streaming, event management and event monitoring
- Brokers **fully scale** as required



### Benefits

- **Enterprise-grade** performance, reliability, security and governance
- Scales from small to very large use cases
- Brokers can be deployed in existing public or private cloud environments
- Dynamic message routing, topic hierarchy and fine-grained filtering
- Includes advanced event management toolset
- Integrates SAP backends via different options (e.g. SAP Integration Suite or 3rd party adapters)

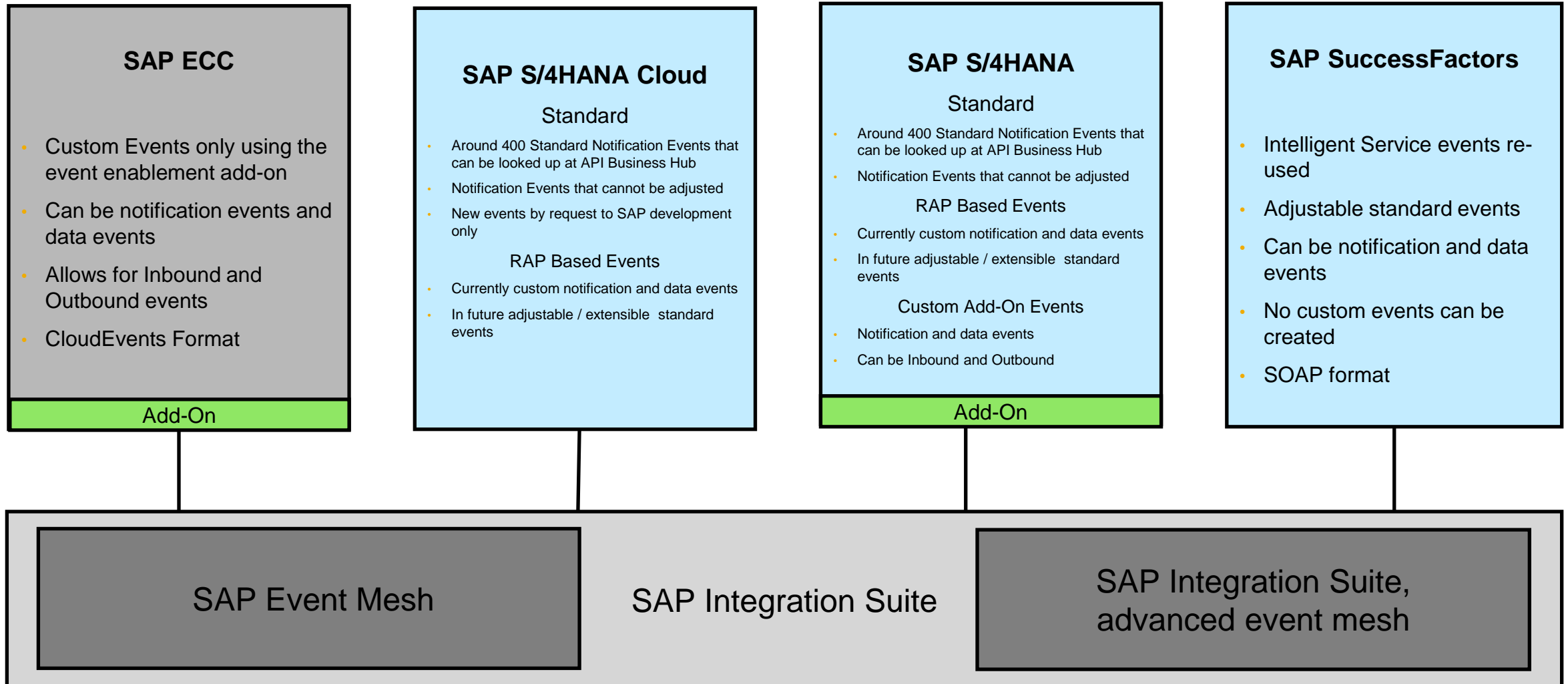
# Comparing SAP solutions for event-driven integration

		SAP Event Mesh	SAP Integration Suite, advanced event mesh
Standard	Fully managed cloud service	✓	✓
	Infrastructure Model	Shared	Exclusive in T-Shirt Sizes
	Deployment Options	BTP Deployment	Private and Public Clouds
	Connecting SAP and non-SAP systems	✓	✓
	Out-of-the box support for SAP event sources	✓	✓*
	Support of Standard Protocols	✓	✓
	Message size and storage	1MB / 10GB	Up to 30MB / Up to 6TB
	Typical use case size	Small to Medium	Small to Ultra Large
Advanced	Network of Event Brokers	-	✓
	Advanced Event Monitoring and Analysis	-	✓
	Dynamic Event Routing	-	✓
	Filtering	-	✓
	Event replay	-	✓
	Event Management	-	✓

\* Available for SuccessFactors, planned for S/4HANA

# Event Sources and Consumers **Standard SAP** vs. **Custom Add-On** Events

## Event Sources

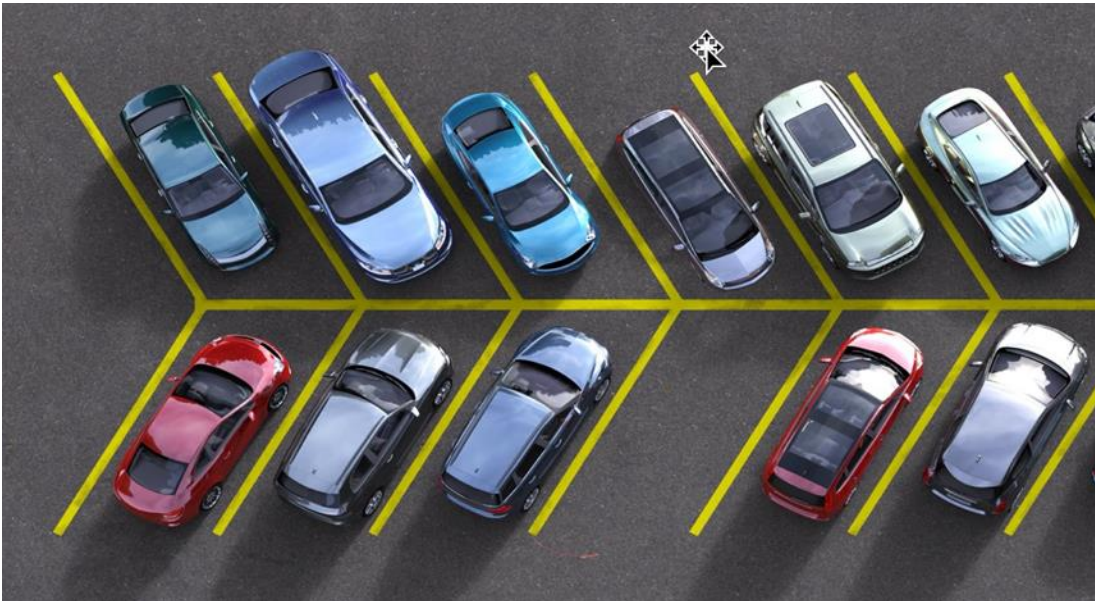


# Event-Driven Use Cases

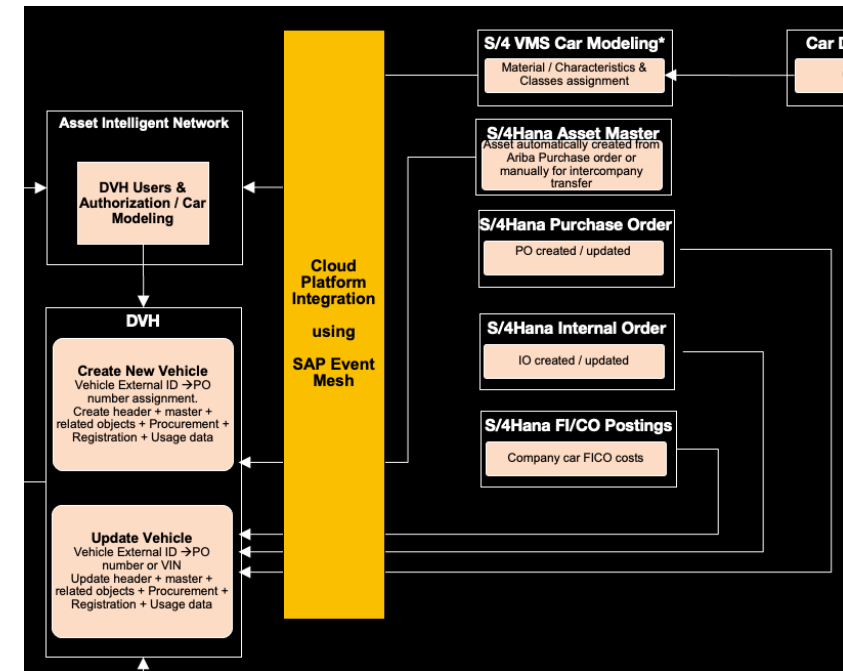


# SAP Runs SAP: SAP Car Fleet live with Digital Vehicle Hub

The **Digital Vehicle Hub** represents the **digital twin** for any ground transportation object.



Successful Go Live Q4 2022



# Frontrunner Industries for Business EDAs



Retail



Consumer Goods



Oil and Gas



High Tech



Sports and  
Entertainment



Automotive



Telecommunication



Travel

# Selected Real Time Customer Examples



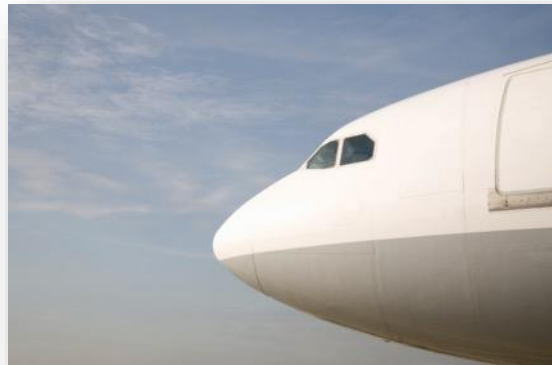
**Speed and Reliability**



**Availability**



**Supply Chain**



**Customer Experience**



**Customer Guidance**



**Data Distribution**

# The Road Ahead

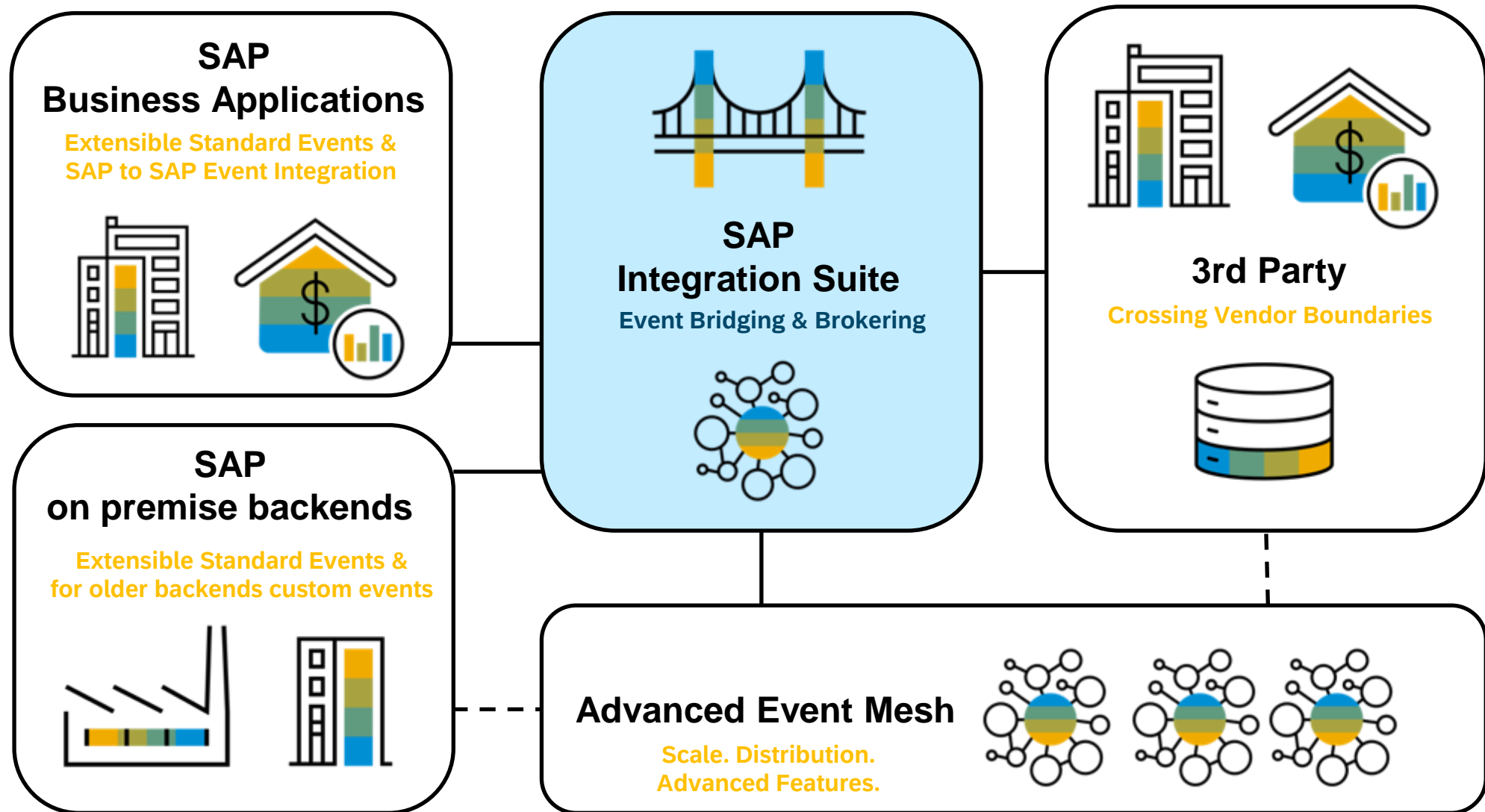




**Just a**

**beginning**

# SAP's event-driven ecosystem tomorrow



# Getting Started



# Getting Started

## Learn

Karsten Strothmann

September 1, 2022 | 12 minute read

### SAP's Event-Driven Ecosystem Revisited

2

19

1,089

Edit

In many ways, nature is a great architect and comes up with concepts long before developers and architects had even thought about using them to solve IT problems. After they did, they typically realize quickly that nature's concepts provide great value for them.

Event-driven architecture is one of these concepts that for a long time used to go unnoticed, except for spiders that have used event-driven architecture for thousands of years.



## Explore

THE BEST RUN

SAP

MENU

SPOTLIGHT

MY LIST

### Welcome to your Integration Space.



## Practice

SAP

SAP Discovery Center

Home

Missions

### Missions

Implement your use cases on SAP Business Technology Platform, with step-by-step guidance and a well-established support from topic experts and SAP Community.

Categories

All (7)

New & Featured (2)

Platform Missions

All (6)

Analytics (0)

Database and Data Management (0)

Extension Suite - Development Efficiency (6)

Extension Suite - Digital Experience (0)

Extension Suite - Digital Process Automation (0)

Integration Suite (0)

Intelligent Technologies (0)

Onboarding (0)

All Missions (7)

Extend SAP ERP 6.0 (ECC) business processes on SAP BTP

Involve an external business partner validation firm into a background check on your newly added business partners. Do this without the...

285 Companies have started

Build an Event-Driven Geomarketing Extension for SAP S/4HANA Cloud

As a call centre employee, I want to instantly learn about any relevant creation or update to a Business Partner object in SAP S/4HANA Cloud...

147 Companies have started

## Do

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**Quick Demo**

# Invitation: “**Integration Black Belts**”

## “Interact with Integration Blackbelts”

- Speakers from customers / partners / stakeholders / consultants to share their innovations, solution architecture, best practices and integration patterns
- 20 mins slot
- Interested to present? Reach out to [gautham.krishna@sap.com](mailto:gautham.krishna@sap.com)



# 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

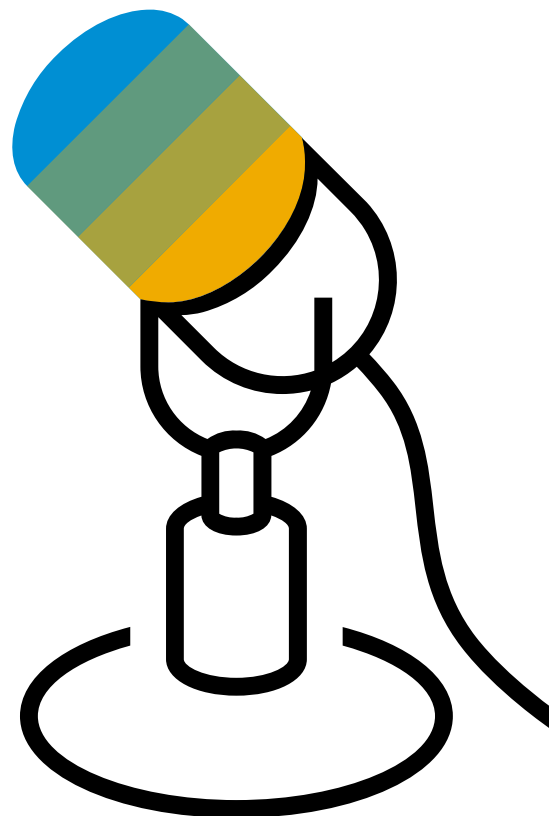
**Duration:** 20 mins

**Moderator:** Gautham ([gautham.krishna@sap.com](mailto:gautham.krishna@sap.com))

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



**Q & A**



**Thank you.**

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