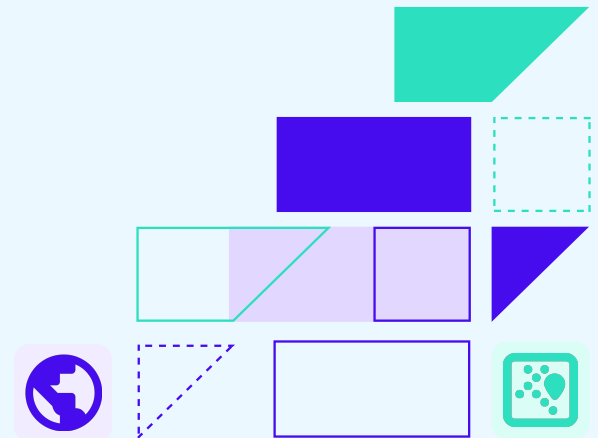


# SAP TechEd

## Gain a Comprehensive View of Event-Driven Architecture

IN261

*Karsten Strothmann, SAP SE*  
*November, 2023*



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# Our Team



**Hari Yada**

**BTP CORE INT CIE (IN)**

SAP

DevExpert for the product SAP Integration Suite, advanced event mesh



**Chandan Kumar**

**BTP CORE INT CIE (IN)**

SAP

Building Event Mesh Platform at SAP

# Our Team



**Karsten Strothmann**

Lead Product Manager

SAP SE

Karsten Strothmann is Lead Product Manager and evangelist for Event-Driven Integrations at SAP SE in Walldorf, Germany.



**Mayur Mohan**

Product Manager

SAP



# Agenda

High Speed Introduction

Hands-On

Q&A



# 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 through 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/0000000007","id":"fa163e0b-4824-1eec-83f7-32dfc754759c","time":"2021-09-07T08:57:17Z","datacontenttype":"application/json","data":{"BusinessPartner":"1000187"}}
```

# SAP's event-driven ecosystem

## Event sources

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

## Eventing infrastructure

### SAP Integration Suite

- SAP Event Mesh
- Advanced event mesh
- Event catalogs

## Event consumers

SAP Integration Suite  
SAP Business Technology Platform (SAP BTP) services and apps  
SAP back ends  
(SAP S/4HANA Cloud and SAP S/4HANA, SAP ECC and SAP S/4HANA using add-on)  
SAP BTP, Kyma runtime  
SAP Data Intelligence  
SAP Datasphere\*  
SAP Build\*  
3rd party

## Know-how

Guidance (ISA-M ...) and learning materials (DC missions ...)

# Event sources and consumers

Standard SAP and custom add-on events

## SAP ERP

- Custom events only using the event enablement add-on
- Can be notification events and data events
- Allowing for inbound and outbound events
- CloudEvents format

Add-on

## SAP S/4HANA Cloud

### Standard

- ~600 standard notification events documented on SAP Business Accelerator Hub
- Notification events that cannot be adjusted
- New events by request to SAP development only

### ABAP RESTful application programming model-based events

- Currently custom notification and data events
- Adjustable and extensible standard events from February 2024

## SAP S/4HANA

### Standard

- ~600 standard notification events documented on SAP Business Accelerator Hub

### ABAP RESTful application programming model-based events

- Extensible standard events from 2308
- Custom notification and data events

### Custom add-on events

- Notification and data events
- Can be inbound and outbound

Add-on

## SAP SuccessFactors solutions

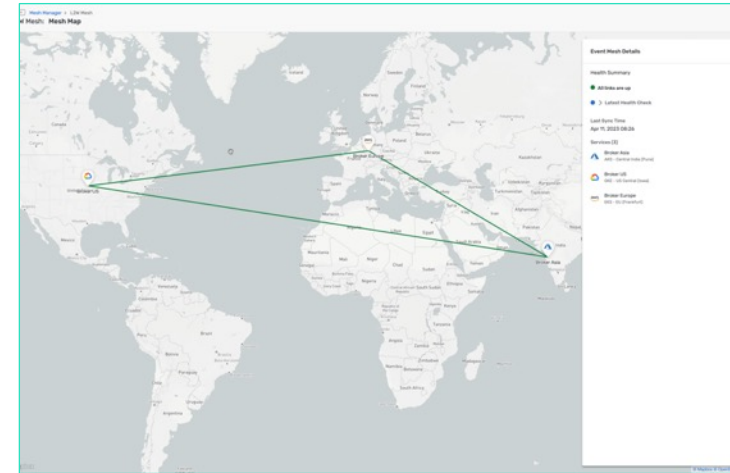
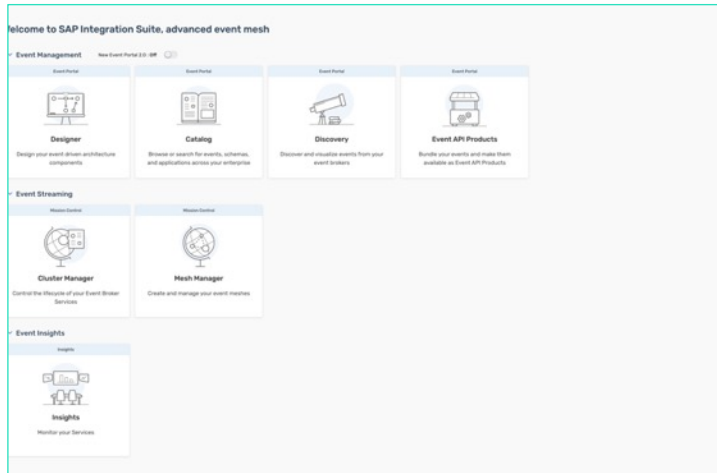
- Intelligent service events reused
- Adjustable standard events
- Can be notification and data events
- Not possible to create custom events
- No CloudEvents format yet (JSON/SOAP)

SAP Integration Suite, advanced event mesh

SAP Integration Suite



# SAP Integration Suite, advanced event mesh



## 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 come in T-shirt sizes and fully scale as required

## Benefits

- Enterprise-grade performance, reliability, security, and governance
- Scales from small to ultra large use cases
- Brokers can be deployed in existing public cloud or private cloud environments
- Dynamic message routing, topic hierarchy, and fine-grained filtering
- Includes advanced event management toolset





**Hands-On**



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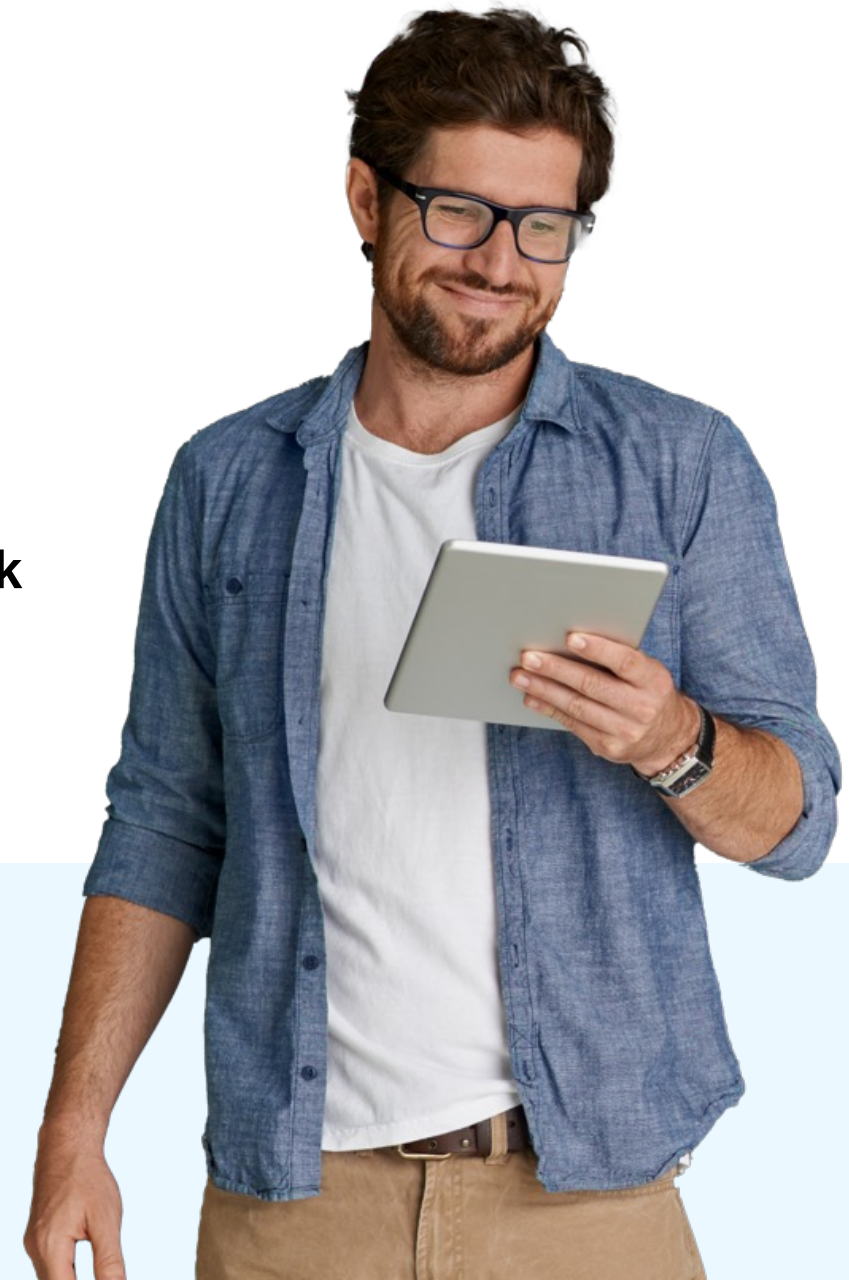
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# Learn more about **SAP Integration Suite** at TechEd 2023



Check the On-site Session Catalog: [sap.com/events/teched/bangalore](https://sap.com/events/teched/bangalore)

Join these insightful sessions in Bangalore to learn more about business and technical benefits of enterprise-wide integration.

Join the SAP Integration Suite Community: [community.sap.com](https://community.sap.com)

To get the latest updates, hear from experts, access learning resources, sample scenarios and other resources to help in your integration journey.





# Thank you

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