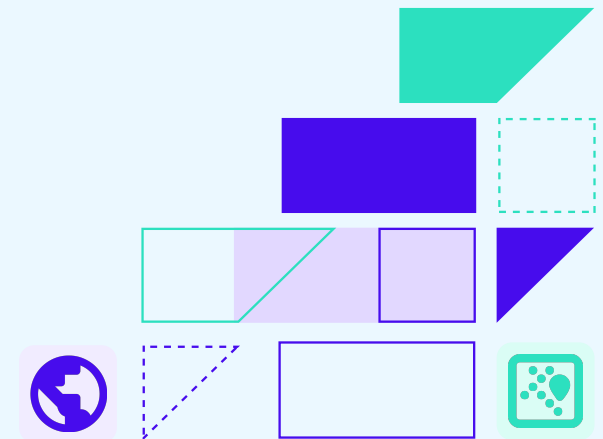


# SAP TechEd

## Gain a Comprehensive View of Event-Driven Architecture

IN261

*Karsten Strothmann, SAP SE*  
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# 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 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/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 BTP Services & 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 vs. Custom Add-On Events

### SAP ECC

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

Add-On

### SAP S/4HANA Cloud

#### Standard

- Around 600 standard notification events that can be looked up at SAP Business Accelerator Hub
- New standard events by request to SAP development

#### RAP Based Events

- Currently custom notification and data events
- In Future Adjustable/extensible standard events

### SAP S/4HANA

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- Around 600 standard notification events that can be looked up at SAP Business Accelerator Hub
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#### Custom Add-On Events

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- Can be inbound and outbound

Add-On

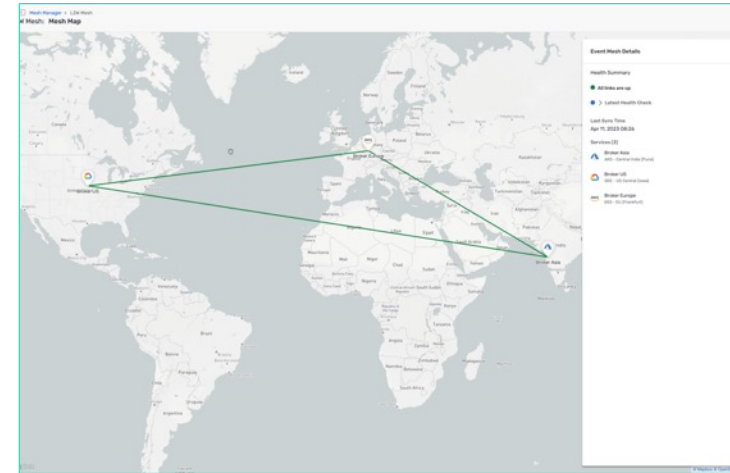
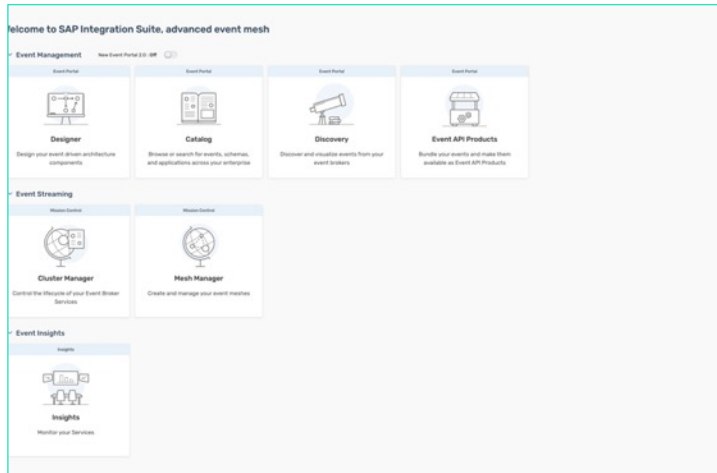
### SAP SuccessFactors

- Intelligent service events re-used
- Adjustable standard events
- Can be notification and data events
- No custom events can be created
- JSON/SOAP format

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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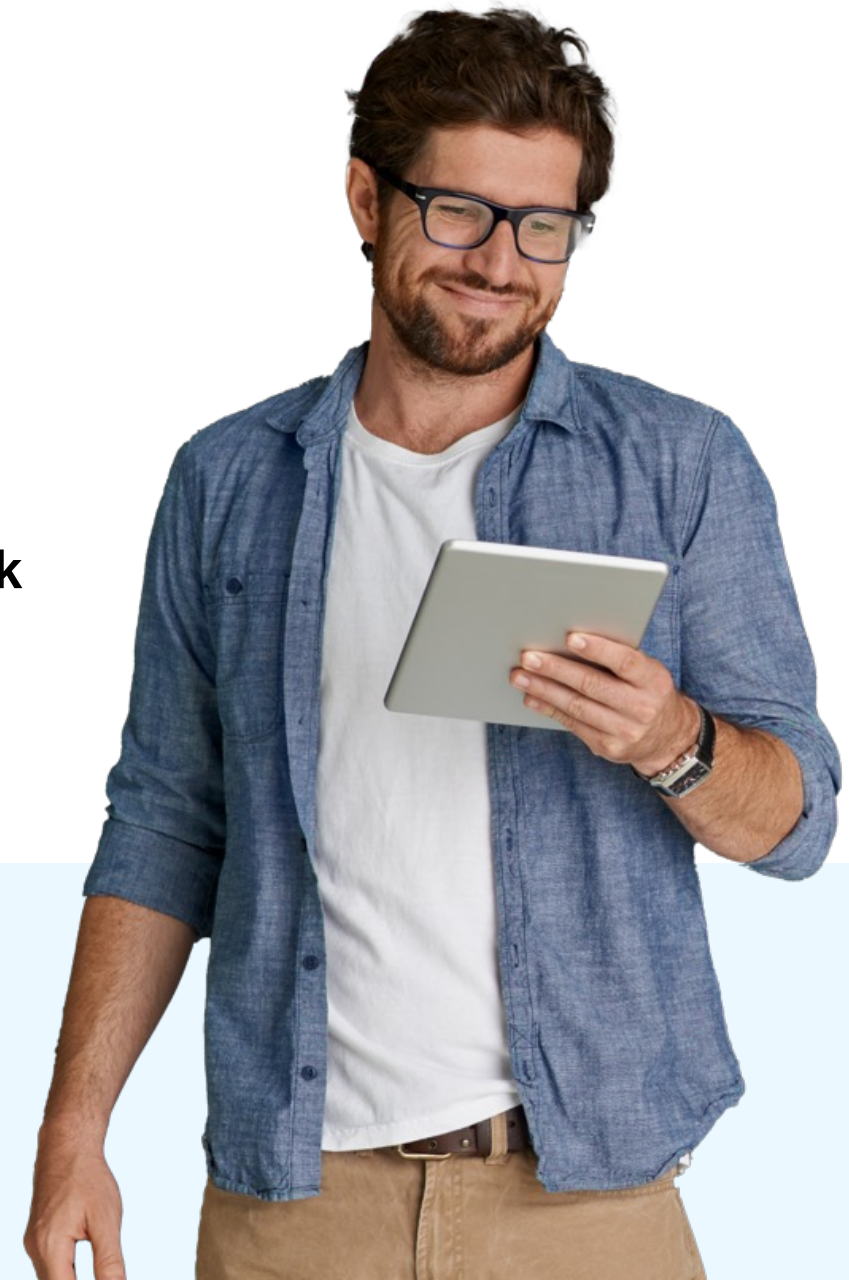
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**92%** Are more confident in their abilities\*



# 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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