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Enabling Asynchronous Integrations by using Event-Driven Architecture

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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 through an **event broker.**

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

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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*

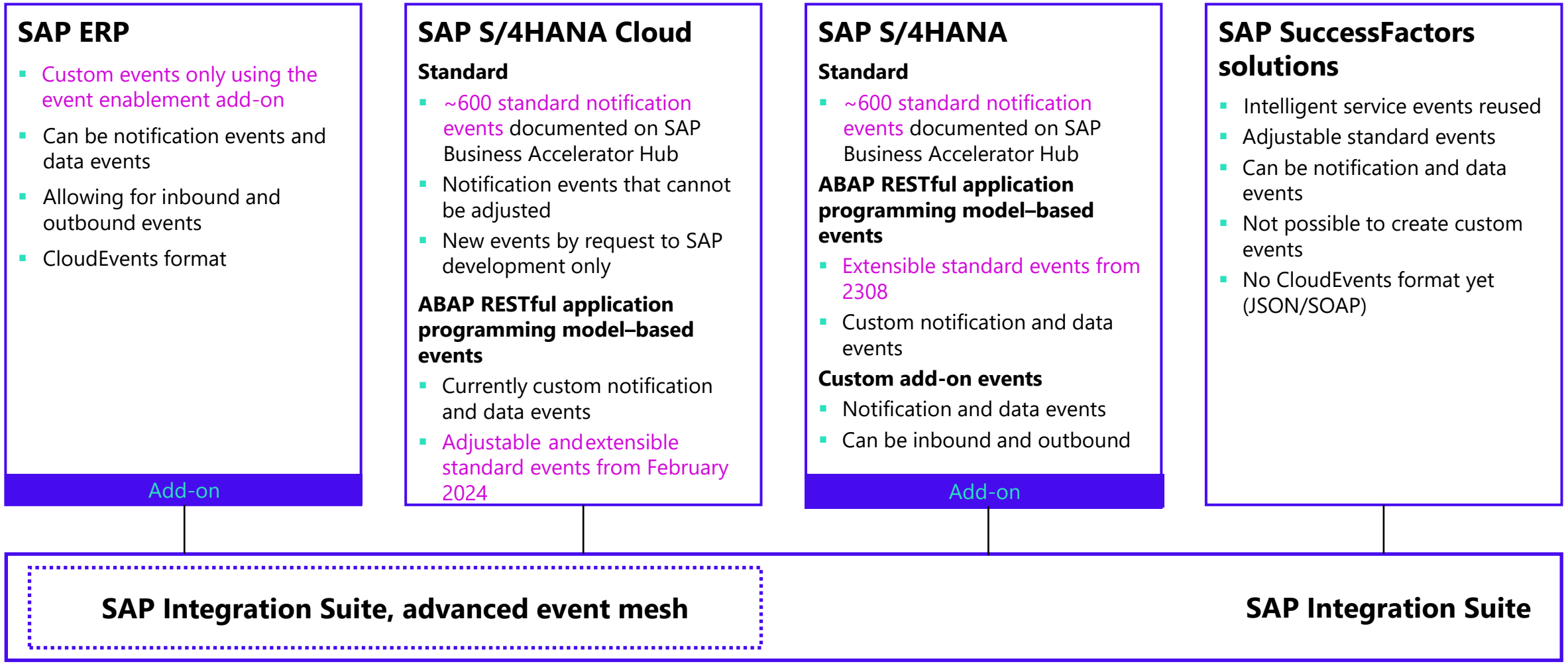
3rd party

Know-how Guidance (ISA-M …) and learning materials (DC missions …)

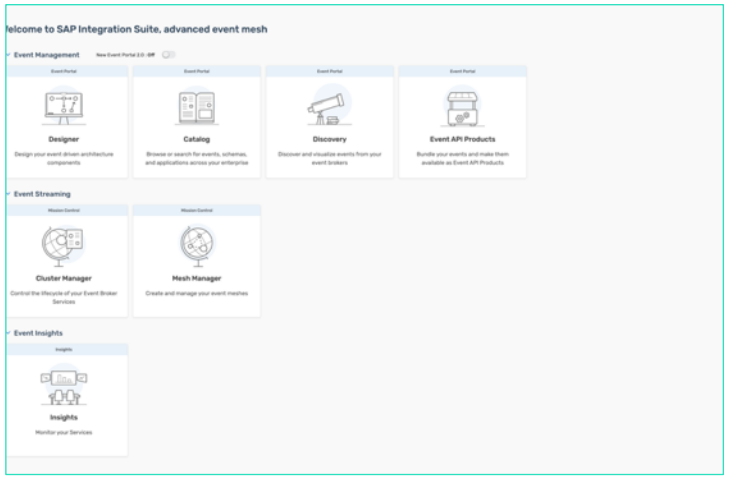
*work in progress

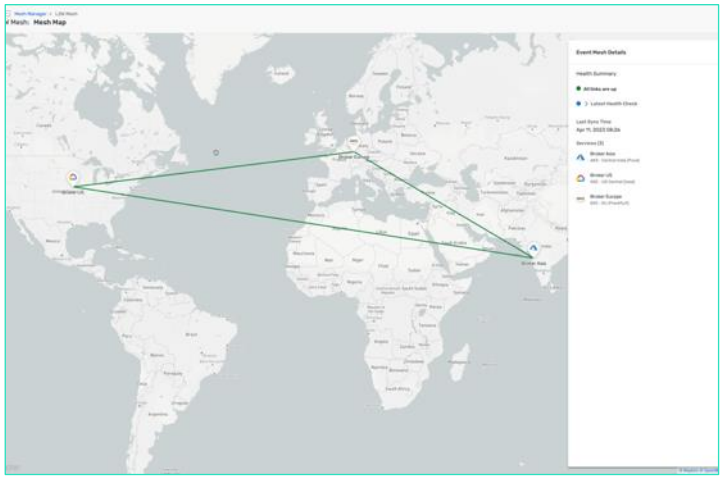
Event sources and consumers

Standard SAP and custom add-on events



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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Questions?

For questions after this session, contact us at stefan.ressing@sap.com

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