



# Experience Event-Driven Integrations Hands-On with SAP Integration Suite

Public

# **Agenda – Introduction and Orientation – 15 Minutes**

Build an event-driven end-to-end scenario and gain hands-on experience with SAP's event brokers, namely the SAP Event Mesh capability and SAP Integration Suite, advanced event mesh.

## **Introduction**

- Event-driven integrations in a nutshell
- SAP's event-driven ecosystem
- SAP Event Mesh and SAP Integration Suite, advanced event mesh

## **Orientation**

- Business Case and End to End Scenario
- Closer look at services and components

# Agenda – Execution Part 1: SAP Event Mesh (30 Minutes)

## SAP S/4HANA Cloud (Hands-On - Optional)

- Explore Notification Event Configuration

## SAP Event Mesh (Hands-On)

- Create a queue and a topic subscription (for our event)
- Perform update to your BusinessPartner in S/4HANA Cloud backend and consume the event
- Explore the event in SAP Event Mesh test tool (from your queue)

## Check on Event Consumer

- Check on the Extension Application and see the Event there

# Agenda – Execution Part 2: Advanced Event Mesh (30 Minutes)

## SAP Integration Suite, advanced event mesh (Hands-On)

- Explore broker features
- Connect Event Mesh and Advanced Event Mesh
  - Create/re-use Queue
  - Create Webhook in Event Mesh
- Consume your event in Advanced Event Mesh
  - Use HTML based consumption tool to consume event from your queue
- Explore an Event Mesh in AEM
- Go to a second broker of your Mesh
  - Create a queue and a queue subscription
  - Use into HTML based queue consumption tool and consume in second broker
- Go to a third broker of your Mesh
  - Listen for your topic using the Try Me tool of Advanced Event Mesh

# Agenda – Execution Part 3: **Free Flow** – 15 Minutes

## **SAP Integration Suite, advanced event mesh (Free Flow Hands-On - Optional)**

- Explore additional features of Advanced Event Mesh free flow
  - Event Insights
  - Event Management

# Introduction



# Event-driven integrations in a nutshell



## Event-driven integrations

**Events** are **significant changes in state** (such as business partner changed in SAP S/4HANA).

**Event brokers** inform **event consumers** of events in **event sources**.

Events can be **notification events** or **data events**.

Event-driven integrations use **asynchronous patterns** and **loose coupling**.

In an SAP solution context, we typically talk about **event-driven extensions** and **event-driven integrations**.



## Benefits

Business **real-time** updates on events in other business applications

Loose coupling, resulting in increased **flexibility and scalability**

Easy reuse of existing eventing infrastructure, providing more **comfort**

Open standards, allowing you to **cross vendor boundaries**



# SAP's event-driven ecosystem today

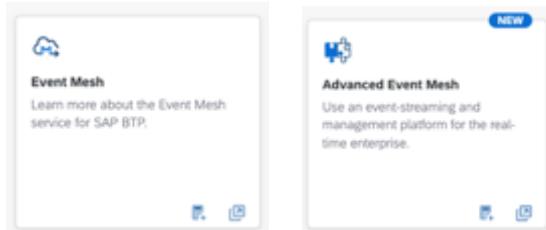
## Event sources

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  
Third-party solutions

## Eventing infrastructure

### SAP Integration Suite

- SAP Event Mesh
- Advanced event mesh



- Event routing services
- Event catalogs

## Event consumers

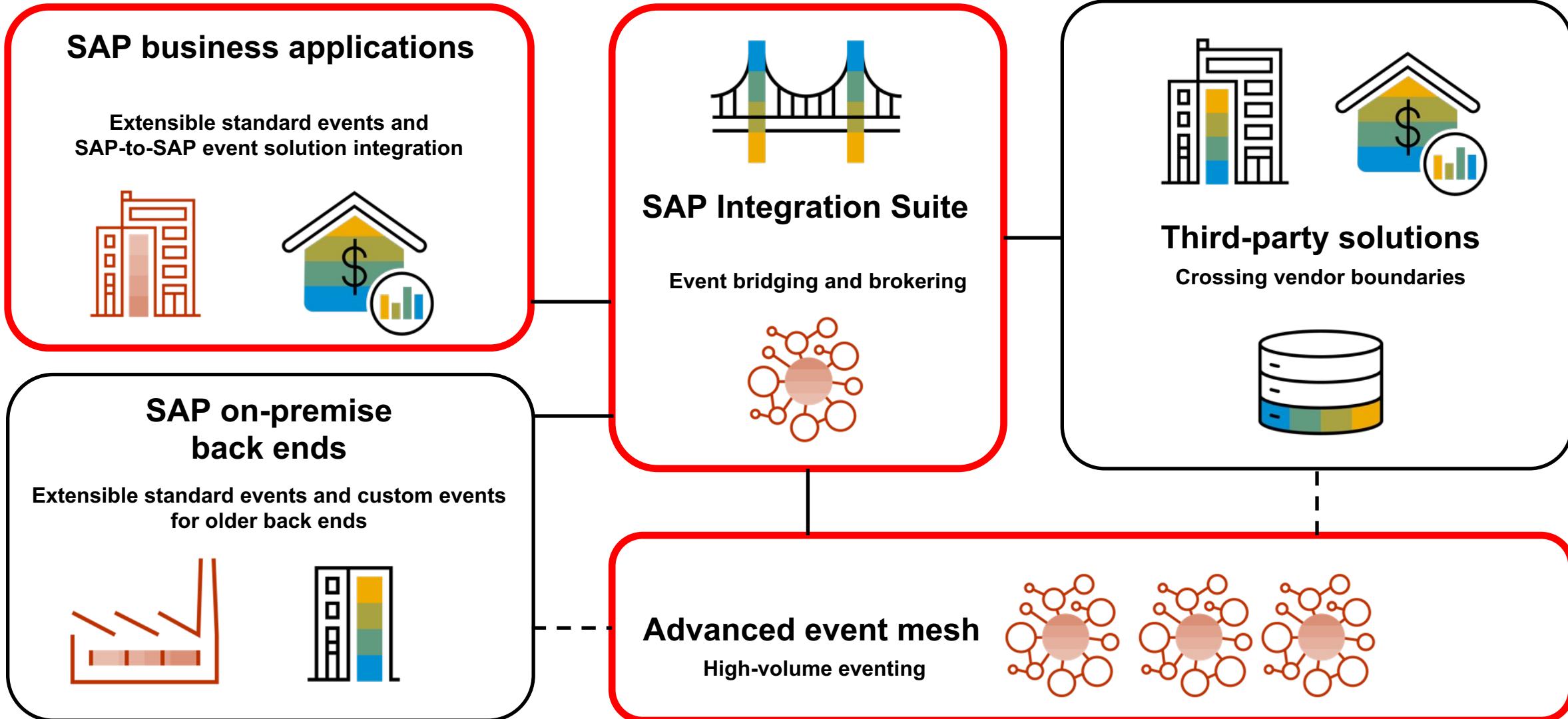
SAP Integration Suite  
SAP Extension Suite  
SAP BTP: services and apps  
SAP software back ends  
(SAP S/4HANA Cloud and SAP S/4HANA,  
SAP ECC, and SAP S/4HANA using add-on)  
SAP BTP, Kyma runtime  
SAP Data Intelligence  
Azure Event Grid  
(beta program)  
Third-party solutions

## Know-how

Guidance (SAP Integration Solution Advisory Methodology and more) and learning materials (SAP Discovery Center missions and more)



# Explore tomorrow already today – almost that is

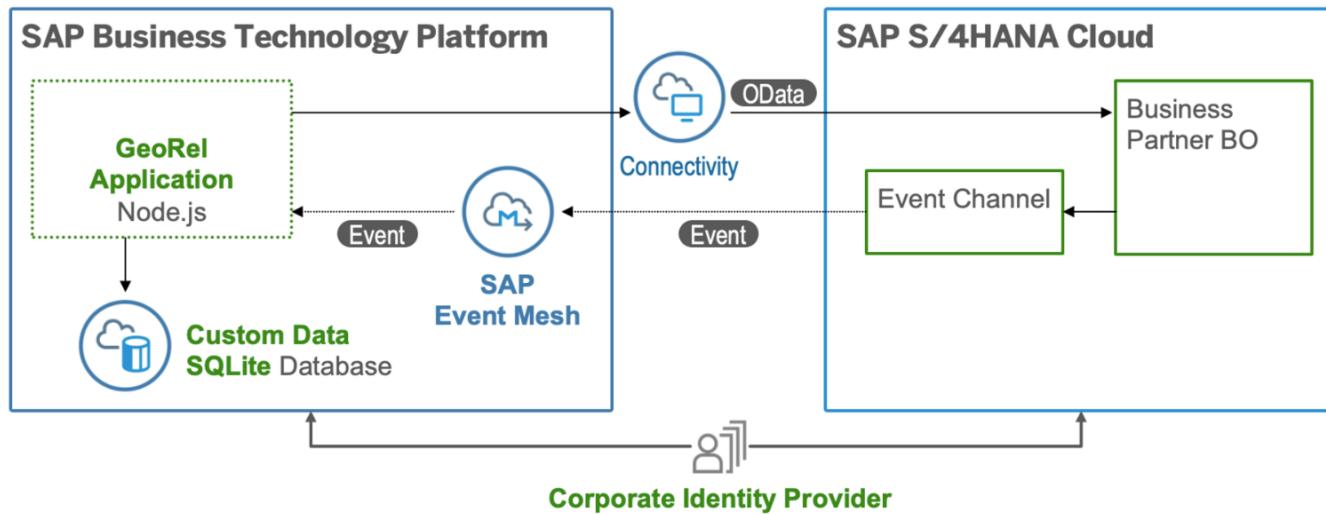


# Orientation



# Existing Business Case: Event-Driven Extension for SAP S/4HANA Cloud

## Extend SAP S/4HANA Business Processes

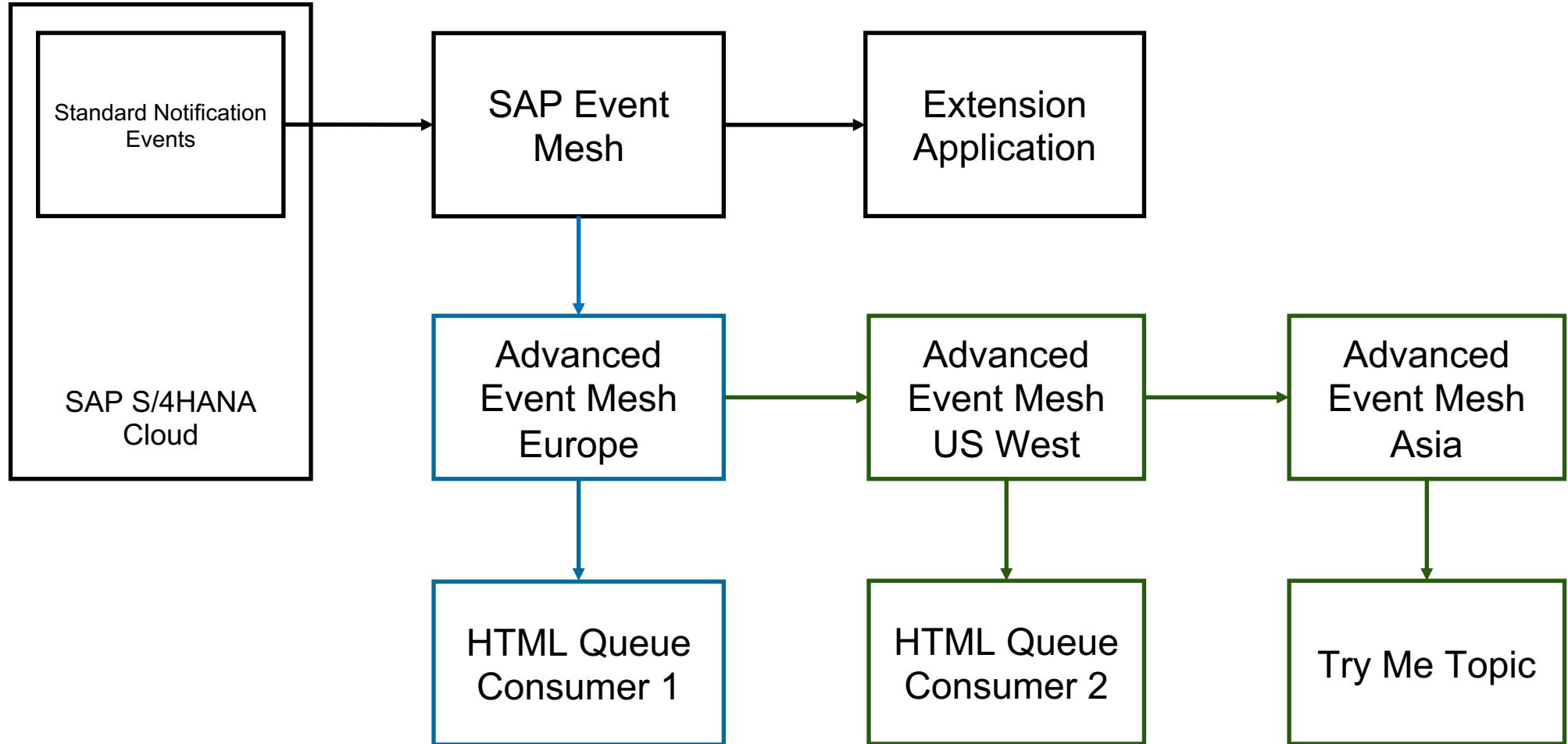


## Discovery Center Mission

Allows call center employees to work supplied in real time with data from an S/4HANA backend system

Use of BusinessPartner notification events mean that for every event an API call has to take place

# Advanced Business Case: Event-Driven Extension for SAP S/4HANA Cloud



# Hands-On Steps

1. Check **Notification event** in SAP S/4HANA Cloud
2. Play around with **SAP Event Mesh** in pre-configured GeoRel Scenario based on notification event
3. **Connect SAP Event Mesh to Advanced Event Mesh**
4. Consume event in **Advanced Event Mesh**
5. Consume event in **another broker** in your mesh
6. **Play around with Advanced Event Mesh**

# Technical Setup

S/4Cloud	EM	AEM	Extension
BusinessPartner Notification Event	Queue for extension app	60 queues for incoming events (created by participants)	Extension App
60 BusinessPartners with different names	60 AEM Connect queues (created by participants)		Queue Consumer
Customers can update their business partners	60 AEM Test queues (created by participants)		Try Me Tool

# Execution



## IN261 - Experience Event-Driven Integrations Hands-On with SAP Integration Suite



### Description

Build an end-to-end integration scenario and gain hands-on experience with SAP's event brokers, namely the SAP Event Mesh capability and SAP Integration Suite, advanced event mesh.

Learn how you can improve your situational awareness by having your SAP backends, namely SAP S/4HANA and SAP ECC, act as a real-time teamplayer.

<https://github.com/SAP-samples/teched2022-IN261/blob/main/README.md>

# Wrap Up



## You have

Experienced how event-driven architectures with SAP Integration Suite work

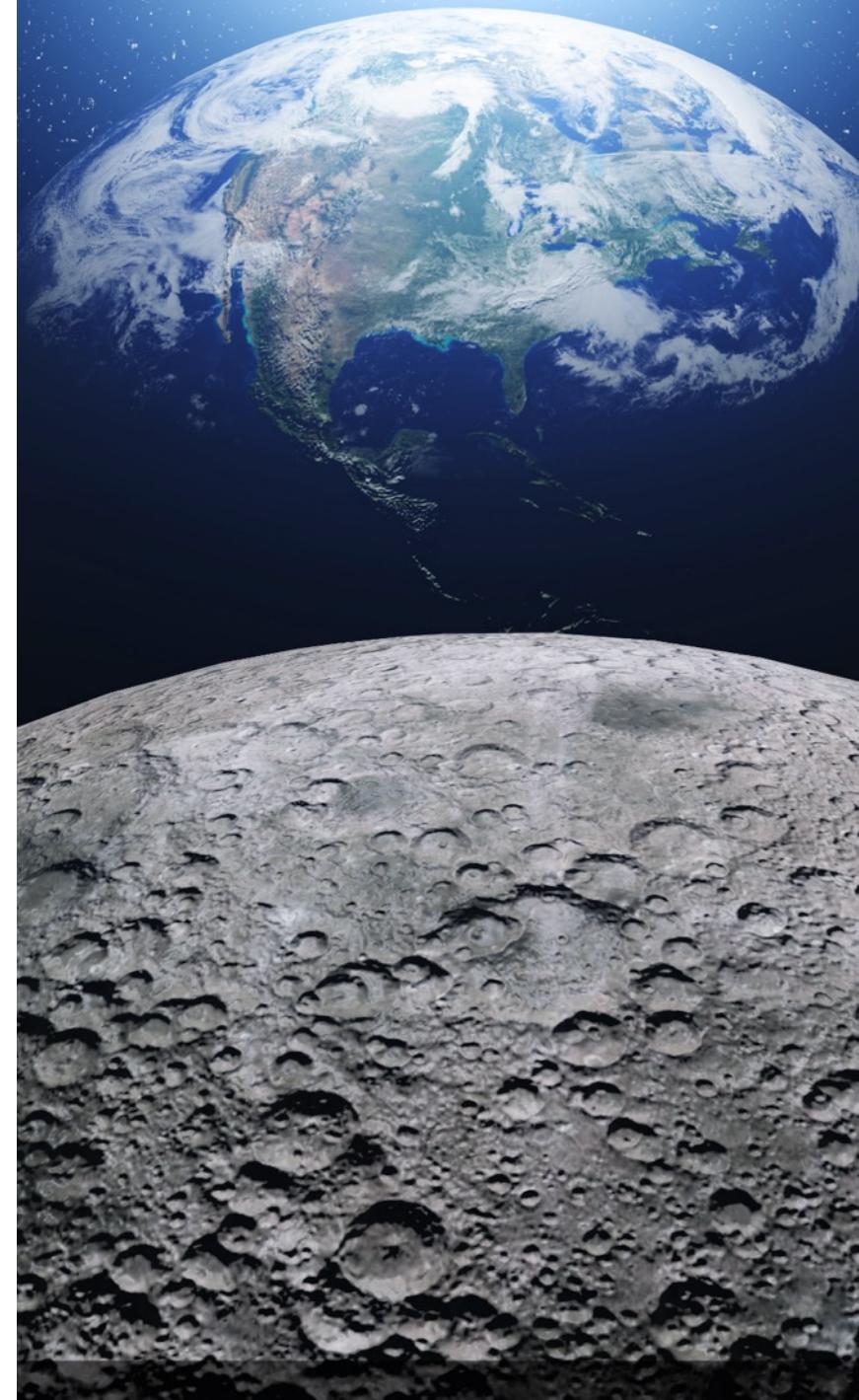
Had a chance to experience event-enabling SAP backends with standard SAP notification events

Have played around with both SAP Event Mesh and SAP Integration Suite, advanced event mesh

Have consumed events from SAP Event Mesh

Have consumed your events across an event mesh

Have looked into features like Insights or the Event Portal in Advanced Event Mesh



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1. Pearson VUE's Latest "Value of IT Certification" Study Highlights Benefits of IT Certification in Challenging Times," Pearson Education Inc., May 25, 2021.

2. Chuck Cooper, [Why Get IT Certified? The Value of IT Certification: An IT Certification White Paper](#), IT Certification Council, March 2021.

# Thank you.

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