



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

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

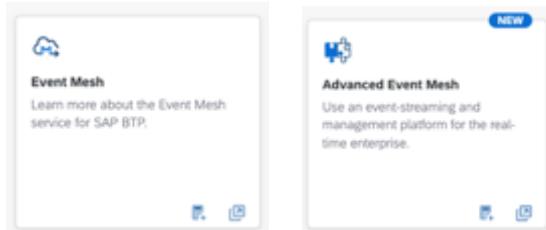
Event sources

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

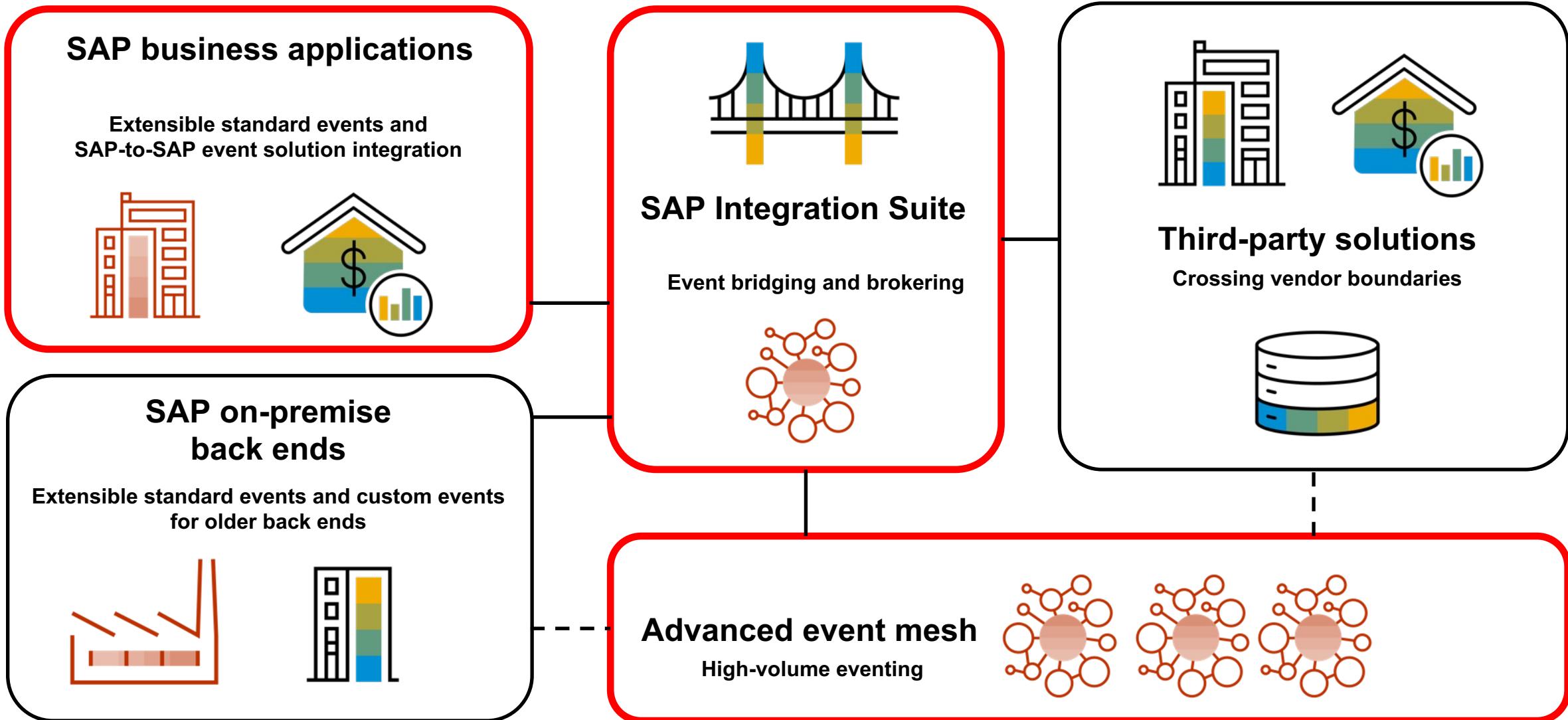
SAP Integration Suite
SAP Extension Suite
SAP BTP: services and apps
SAP software back ends
(SAP S/4HANA Cloud and SAP S/4HANA,
SAP ECC, and SAP S/4HANA using add-on)
SAP BTP, Kyma runtime
SAP Data Intelligence
Azure Event Grid
(beta program)
Third-party solutions

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

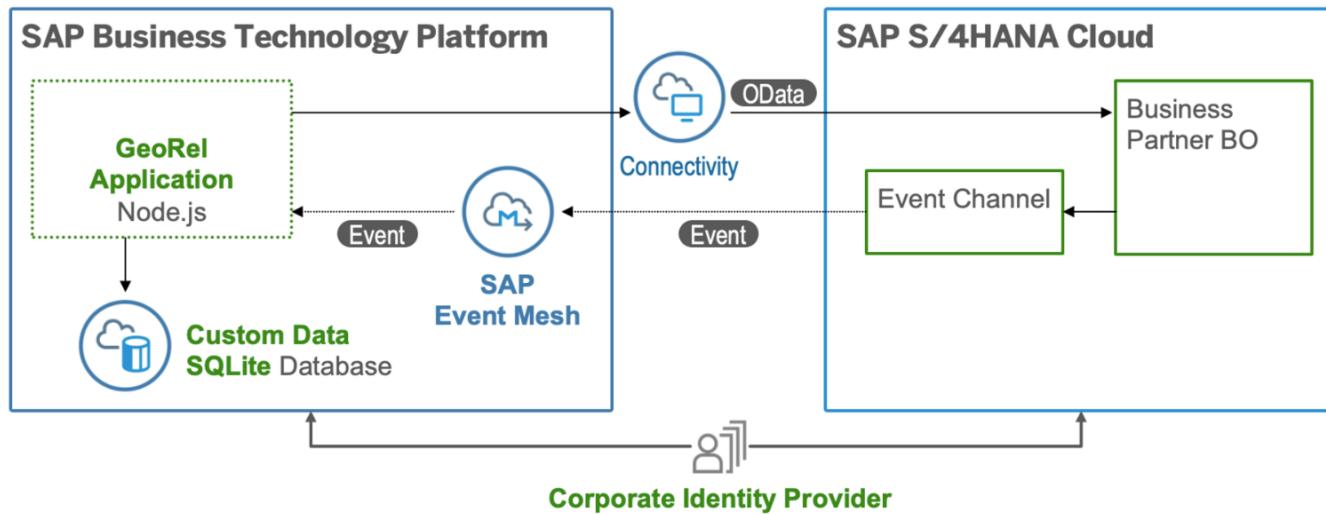


Orientation



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

Extend SAP S/4HANA Business Processes

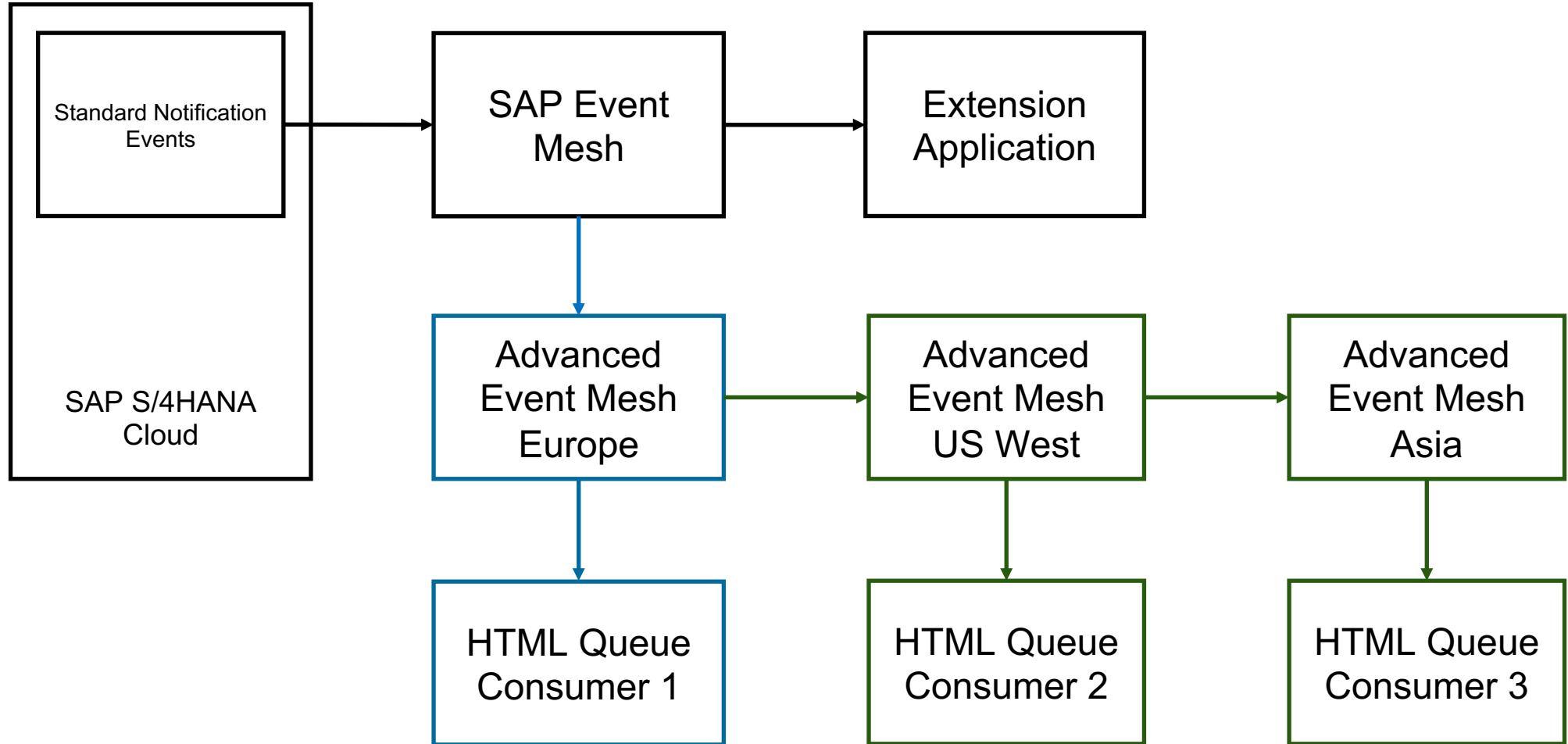


Discovery Center Mission

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 | 6 queues for extension apps | 60 queues for incoming events (created by participants) | 6 shared ExtensionApps |
| 60 BusinessPartners with different names | 60 AEM Connect queues (created by participants) | | |
| Customers can update their business partners | | | |

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

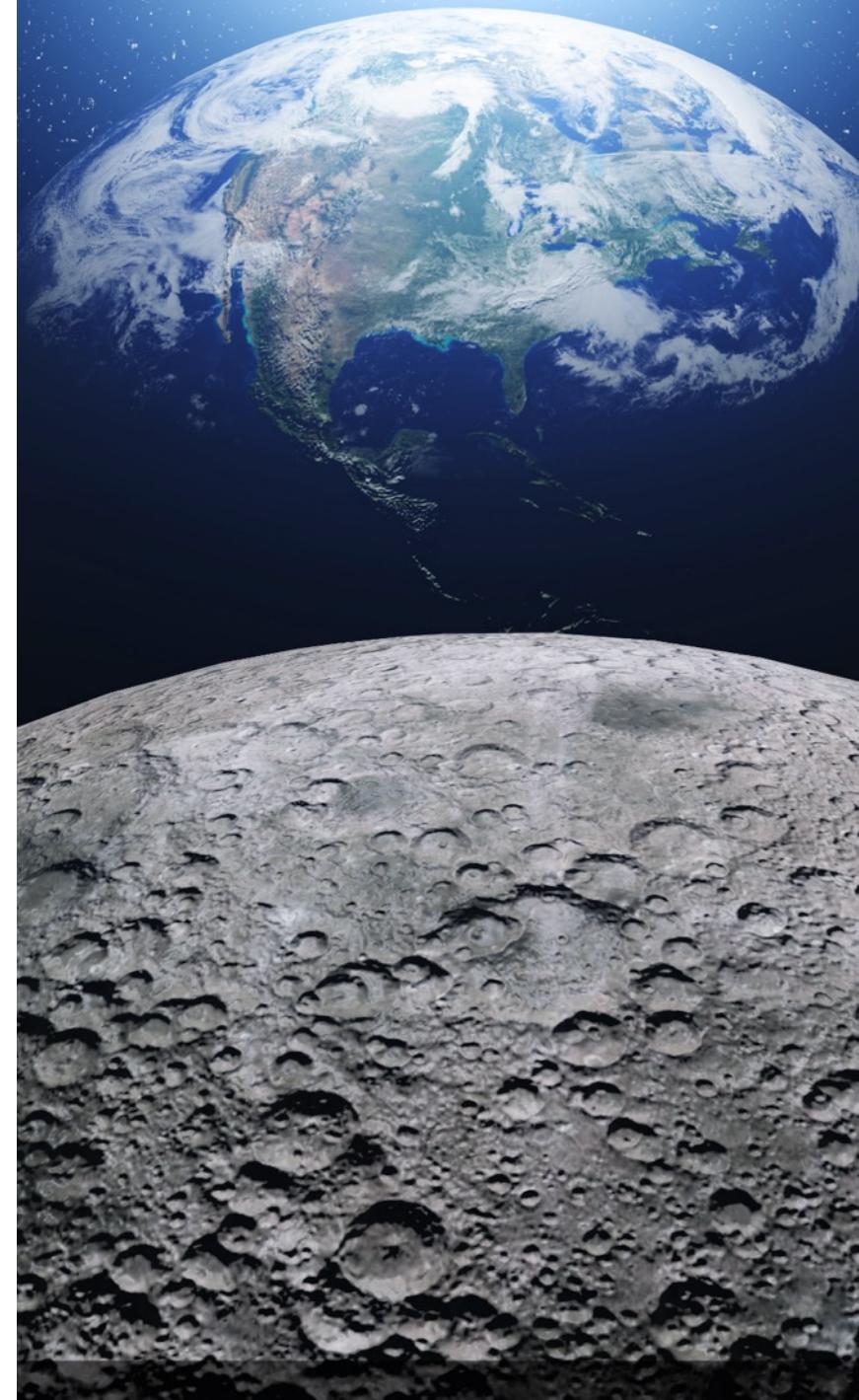
Had a chance to experience event-enabling SAP backends with standard SAP notification events

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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- Connect with experts, share your knowledge, expand your network, and collaborate with peers in **SAP Community**
- Network with other participants in the group for **SAP TechEd** and join the **SAP Learning Groups** to get your learning questions answered



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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