

# SAP S4/HANA Event Mesh Framework

## ABAP RESTful Application Programming Model

PUBLIC

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# Agenda

- **Messaging: Basics**
- **SAP Event Mesh: Demo**
- **Outlook**
- **Q&A**

# Messaging: Basics



# What is an Event?

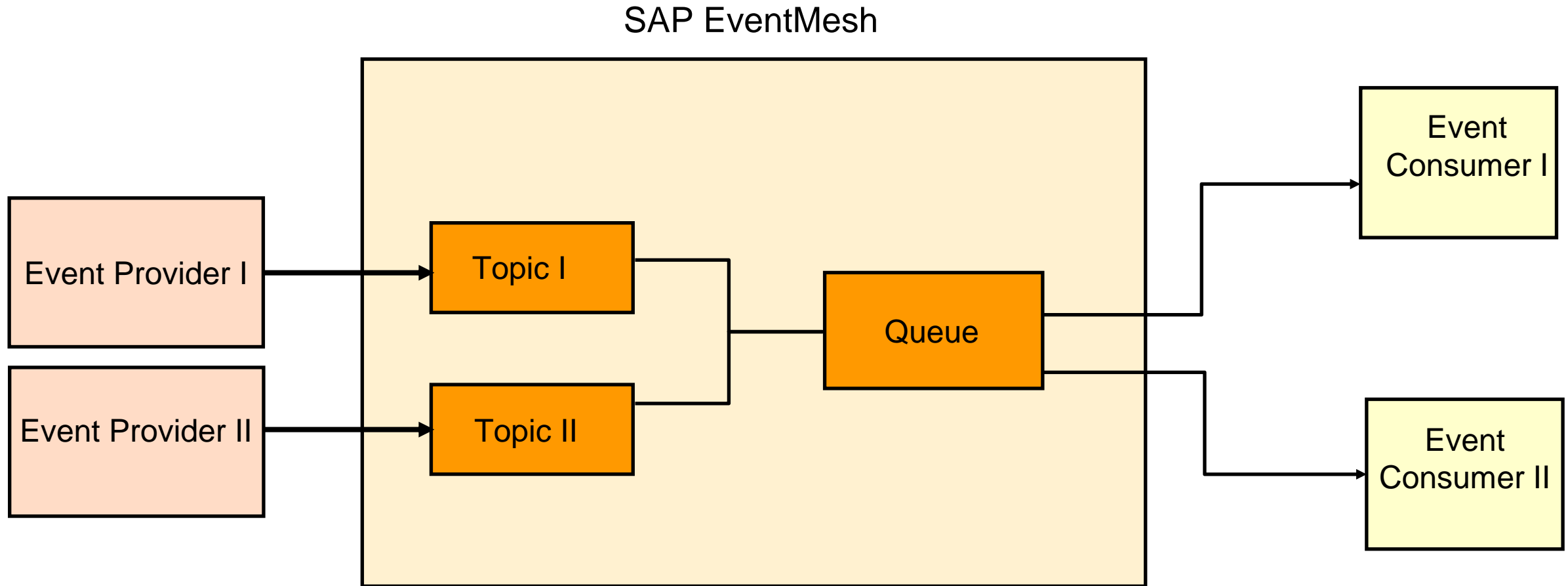
- “**Occurrence**” – Something happened
  - E.g. an business partner was changed
- “**Event**” – An occurrence and its context
  - E.g. an business partner was changed by system (host) at time ....

```
{
  "specversion" : "0.2",
  "type" : "com.sap.s4hana.purchaseorder.create",
  "source" : "https://host/cloudevents/spec/businesspatners/123",
  "id" : "123242",
  "time" : "2018-12-11T17:31:00Z",
  "contenttype" : "application/json",
  "schemaurl" : "https://host/businesspartners/spec.json",
  "data" : {
    {
      "BusinessPartner": "9980000205",
      "Customer": "",
      "Supplier": "9980000205",
      ""
    }
  }
}
```



cloudevents

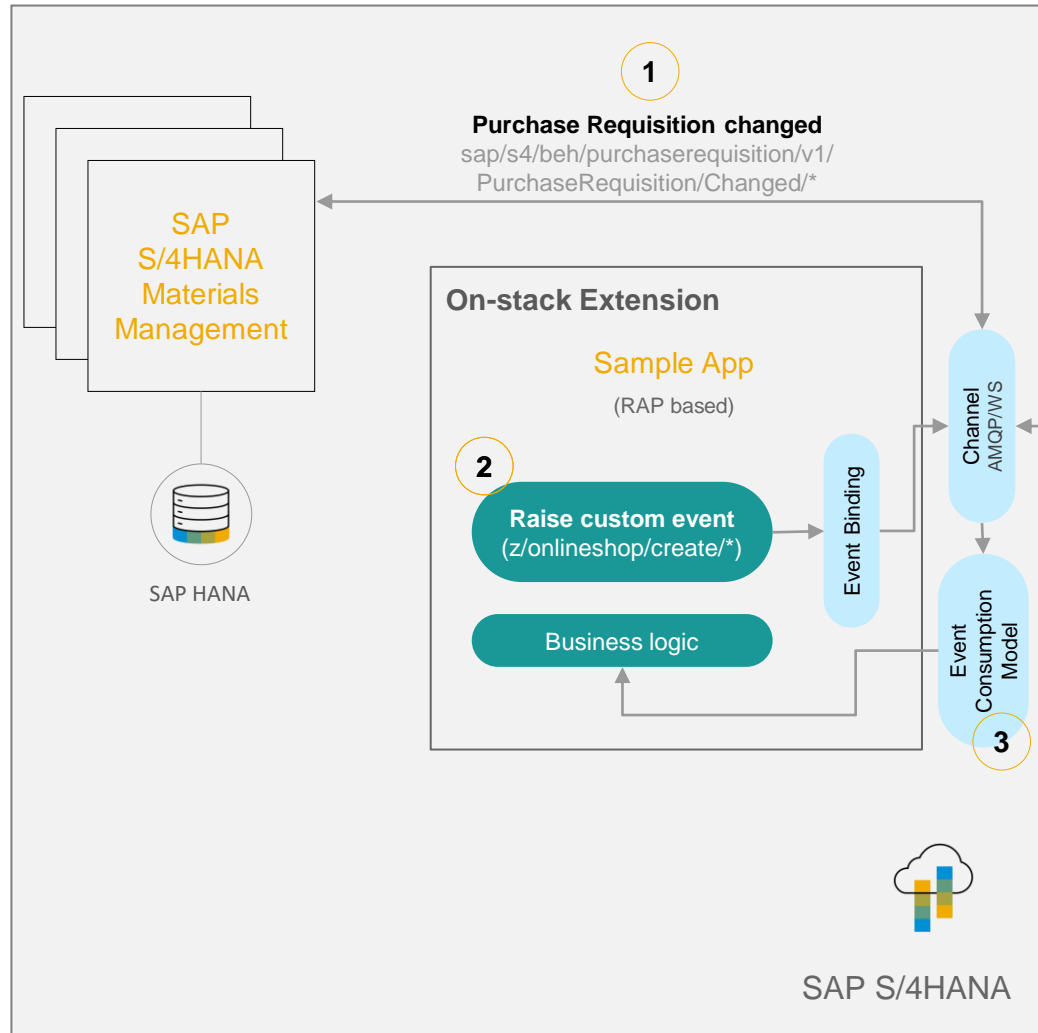
# SAP Event Mesh: Messaging Concept (Queue, Subscription, Topics)



# SAP Event Mesh: Demo



# Demo landscape



1

Demo 1: Outbound Standard Event



2

Demo 2: Outbound Custom Event



3

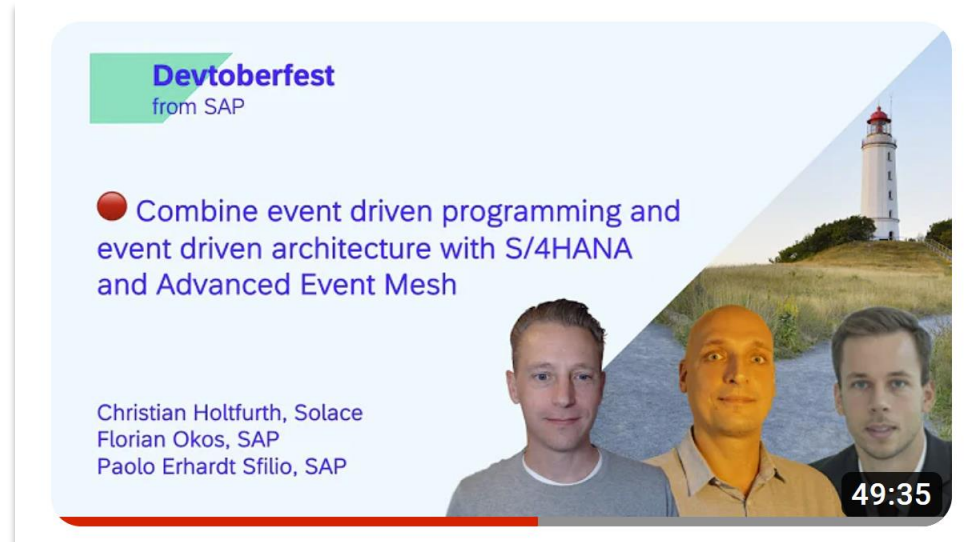
Demo 3: Inbound Custom Event

# Outlook





# Youtube (Live) Session



**Devtoberfest**  
from SAP

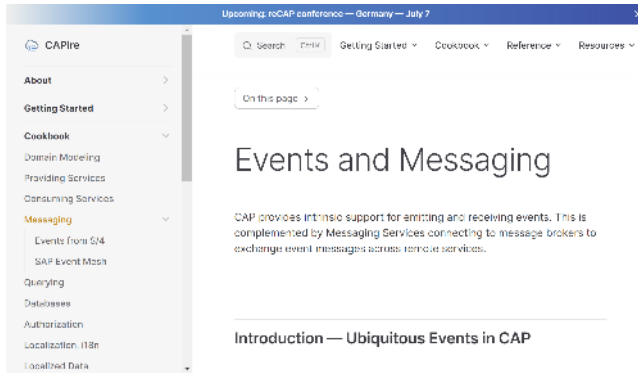
● Combine event driven programming and event driven architecture with S/4HANA and Advanced Event Mesh

Christian Holtfurth, Solace  
Florian Okos, SAP  
Paolo Erhardt Sfilio, SAP

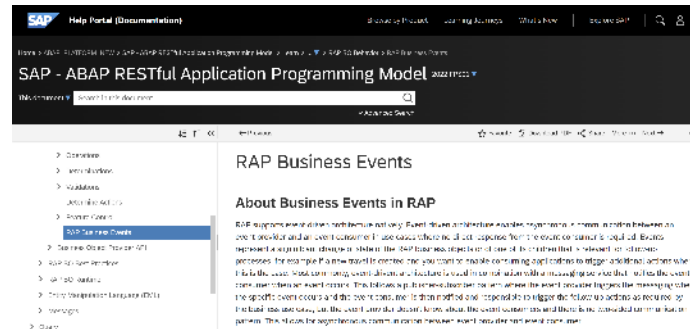
49:35

[Link](#)

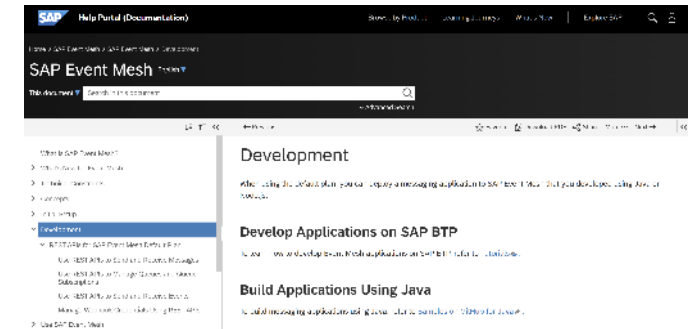
# Further topic: Event consumption in (Non-)SAP programming models



## SAP Cloud Application Programming Model Events and Messaging



## ABAP RESTful Application Programming Model Events and Messaging



## Non-SAP Programming Models (Java, Node.js & REST)

# More information on **S/4HANA Events**

## **Demo 1 – Outbound: Custom Event**

[How to Create RAP Business Events in SAP S/4HANA On Premise 2022](#) | SAP Blogs  
[Maintain Event Publication Scenarios](#) | [SAP S/4HANA - Enterprise Event Enablement](#)

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## **Demo 2 – Outbound: Standard Event**

[SAP S/4HANA Event Catalog](#) | [SAP API Business Hub](#)

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## **Demo 3 – Inbound: Custom Event**

[Maintain Event Publication Scenarios](#) | [SAP S/4HANA - Enterprise Event Enablement](#)  
[Generating an Event Consumption Model](#) | [SAP - ABAP Development User Guide](#)  
[Consume an Event using Event Consumption Model](#) (for SAP BTP ABAP environment) | SAP Blogs

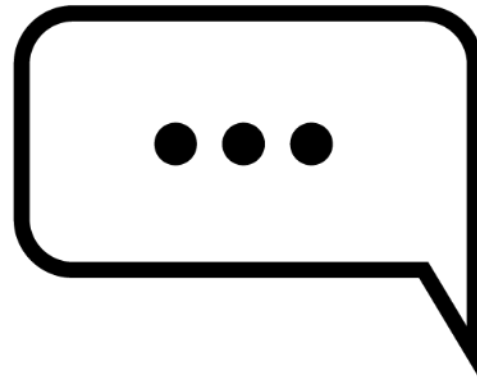
## **Other**

[An Introduction to Enterprise Event Enablement for SAP BTP ABAP Environment](#) | SAP Blogs  
[CloudEvents specification](#) | [Event Metadata](#)  
[AsyncAPI](#) | [Event Metadata](#)

# Q&A



Q



A

# Thank you.



**Paolo Sfilio**

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