

# **Day 4**

## **SAP event driven architecture artifacts visualized using the Event Portal – Case Study**

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## Day 4

### **Exercise 1: Event driven architecture artifacts visualized using the Event Portal – Case Study**

- With a simple use case learn to model your architecture
- Learn how to create a design so that your events can be mapped and understood

### **Prerequisites**

- You access and use the same broker you setup previously

## Day 4

### Solution 1

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# Solution 1: Work with Event Designer - Case Study

Scenario: Workforcemanagment

The new employee (Developer for SAP CAP) is created in **SAP SuccessFactors Onboarding**. This includes entering all relevant personal and professional information. The related Scheme should be a JSON structure containing at least name and position of the new employee. As soon as the employee is created in SuccessFactors, a “*new employee created*” event is generated and published. This event is consumed by the **SAP Integration Suite**. The **SAP Integration Suite** receives the event and consumed it further. This includes the generation of further events that inform various systems and trigger actions. An event is generated “*employee creation*” that initiates the creation of the employee in the S/4HANA HR module. The employee's HR data is saved and managed here. Another event “*account creation*” is generated to create a user in the Active Directory within the application Service **Active Directory Automation**. This enables the new employee to access company resources and services. The **SAP Authorization and Trust Management** Service also consumes this event. This enables the employee to access SAP applications and services on SAP BTP. There is a **Employee Welcome Application** developed with SAP CAP on BTP. This Application consumes the “*employee notification*” when ever in BTP, AD, SuccesFactors and SAP S4/Hana HR Module the related employee ressources have been created.

**Task to be completed:** Create your event architecture in the Event Designer according to the described use case.

Best practice to procced:

- Which Domain I have to model?
- Which application do I have in my senario?
- Which events will be provided
  - Which application needs this event?
  - Format of exchange event
- Create the scheme (in other words model the payload and content which needs to be exchangedas single instance)
- Assign the scheme to the events
- Think Consumer Details queues for this consumer – if the scheme is assigend correct, topic subscriptions can be auo popluted