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## What you will learn: Overview

Day 2 of 5. Topics covered :

SAP UI5 Integration cards displaying events in real time

- Using the services provided in the SAP BTP, you will learn how to create visualizations for your data using eventing.
- Learn how easy it is to bring your events to life.
- Test Simulated SAP events being published and subscribed too using the AEM broker and the SAP UI5 dashboard.

## Prerequisites

Complete all activities in day#1. You access and use the same broker you setup previously.

## SAP Ui5 Dashboard Test

SAP Ui5 Integration cards present a new means to expose application content to the end user in a unified way. Depending on the use cases, cards can be easily embedded in a host environment, such as an application, SAP Build, dashboards, or any HTML page. A variety of card types can be configured by a simple JSON configuration (schema) without the need to write code for UI rendering. In this way, even users without programming skills are enabled to create new cards according to their specific needs. Cards are composite controls that follow a predefined structure and offer content in a specific context. Cards contain the most important information for a given object (usually a task or a list of business entities). You can use cards for presenting information, which can be displayed in flexible layouts that work well across a variety of screens and window sizes.

With the use of cards, you can group information, link to details, or present a summary. As a result, your users get direct insights without the need to leave the current screen and choose further navigation options.

For more information on SAP Ui5 Integration cards, you can refer to the link: [UI Integration cards](#)

To showcase the simplicity of using SAP integration cards to visualize the power of the SAP Advanced Event Mesh, we have created a dashboard using HTML5 for the Business Partner Create scenario. We also made it easy to use. All you need to do is enter your broker details, click "Connect," and watch the business case come to life as events flow in. Each integration card that is displayed in the dashboard represents another tool at your fingertips to visualize your data. The cards are each subscribed to the various Topics in which you will send your events from your SAP System. Follow the steps below to set up your dashboard and get started.

### 1: Open the Business Partner Create Dashboard

Here is a dashboard that has 3 cards that we will use throughout the week. Here you will also find additional documentation and helpful videos to get started with.

- [Business Partner DashBoard](#)

## 2: Connect with Your Broker Details

To connect with your broker details:

- Open your broker and select the "connect" tab at the top.

## RPP version 2 – Day 2

- Then, under the "Javascript - web-messaging" section, you will find the 4 inputs you need to connect your broker to the dashboard.

SAP Cluster Manager > Service Details

Service Details: AEM\_Broker Status Connect Manage Monitoring Configuration Try Me! Open Broker Manager ...

Connect Using a Supported Client Library

Select a connection point and supported client library below to start messaging.

Java C Python Go

JavaScript

Technology	Library	Protocol	Action
solace*	Solace JavaScript API	web-messaging	<a href="#">Get Started</a>
solace*	Solace REST Messaging API	rest	<a href="#">Get Started</a>
paho	Eclipse Paho JavaScript Client	mqtt	<a href="#">Get Started</a>

Node.js .NET Spring

Get Started

- Now, you can copy and paste each input into the fields at the top of the dashboard and then finally click "Connect".

Simple Master Data Entry - Business Partner Create

Web Messaging Url | VPN Name | Username | Password | Connect

Simple Business Partner Creation  
Please fill in all fields

Entry Form

BP Type: \* Select

First Name: \* First Name

Last Name: \* Last Name

City: \* Select

Postal Code: \* Select

Street: \* Street

House Number: \* House Number

Country: \* Select

Submit

Business Partners  
Real Time Business Partner Created

All

No items available

Queue Browser  
List of messages queued for late joiner use case on queue 'late\_joiner.bp\_created'

No items available

- If your credentials are entered correctly, you will get a "Success" message that will verify that you are connected properly to the dashboard. If you do not see a "Success" message, then try again and make sure your details are correct for each input.

## 3: Using the Dashboard

The dashboard contains 3 cards:

- BPCreate: A card to enter new business partners
- BPList: A card that is listening on the topic that the first card publishes to and that lists all business partner create requests that you enter in card 1 in real-time.
- Late Joiner QBrowser: A card to browse messages on one of the queues we'll be creating and populating later this week.

## Troubleshooting

Here are some troubleshooting tips:

- Use the latest version of Chrome, and you can try opening the dashboard in "incognito" mode if you have issues with caching.
- If you do not see the "Success" message at the top, then you are not connected. In case you entered your credentials correctly and still don't see the message, try to refresh your browser to prompt the application to try your credentials again. You may need to refresh a couple of times to get the "Success" message.
- If messages are being sent and the cards are not updating, right-click anywhere on the dashboard and click "inspect". Then select the "console" tab and look at the logs. It may be the case that the payload format is off, or possibly that the events are flowing to the wrong topic. Error messages here should help.

## Takeaways

- Connected our broker to an SAP UI5 Dashboard
- Use a simple UI5 UI to enter Business Partner details and watch the events being sent in real-time.

