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CONFIGURING, DEPLOYING AND MONITORING WEBUI BASED SCENARIO USING SAP CLOUD PLATFORM INTEGRATION

Exercise03: SAP Cloud Platform Integration Components Used:

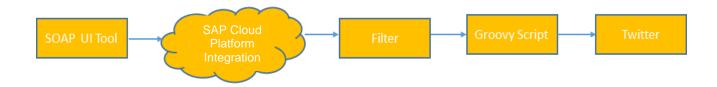
- SOAP Sender Adapter
- Filter
- Groovy Script
- Twitter Receiver Adapter



INTEGRATION SCENARIO

Use Case: This exercise will showcase the Integration of SAP Cloud Platform Integration with Twitter. For the Integration with Twitter you will send a Tweet to Twitter via SAP CPI.

In this exercise, you will send a SOAP message containing the Tweet to SAP CPI. SAP CPI will first filter the message to extract the Tweet as text and then send it to Twitter. Before the Tweet is send, a Groovy Script will be used to logging the payload message. This will allow you to check if the Tweet was successfully extracted from the SOAP message during monitoring of the processed message.



Welcome to the Integration Flow challenge!

In this exercise, your aim is to create an integration flow that solves a challenge (described in the Integration scenario).

And when you work your way through the exercise, our aim is that you learn:

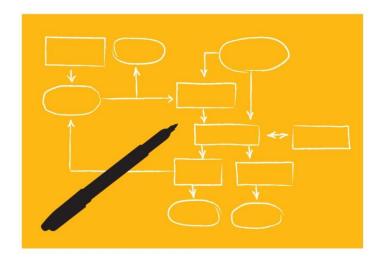
- How to access and work with the Cloud Platform Integration Web tooling
- 2. How to speed up your integration project by leveraging reference integration flows
- 3. How to customize a reference integration flow by configuring its connectivity and flow steps
- 4. Basic monitoring of an integration flow
- 5. Using Open-source tools to test your integration flow



Exercise Files are provided by the session moderator. Download and Extract them into one of your local folders for use later in your exercises and setup:

Note

- 1. In the exercise, we have used the notation XX to refer to the content created by you or your group uniquely. The session moderator shall assist you with assigning you/group the unique ID that you can use to replace XX.
- 2. In the exercise, we have used *d0242/d0243* as the example tenants. The final tenant details shall be provided by the session moderator.
- 3. Please note that colours and other visual appearance might differ slightly from the screenshot screens, as the CPI editor might have received feature upgrades since production of this content.



Prerequisite for Exercise 03

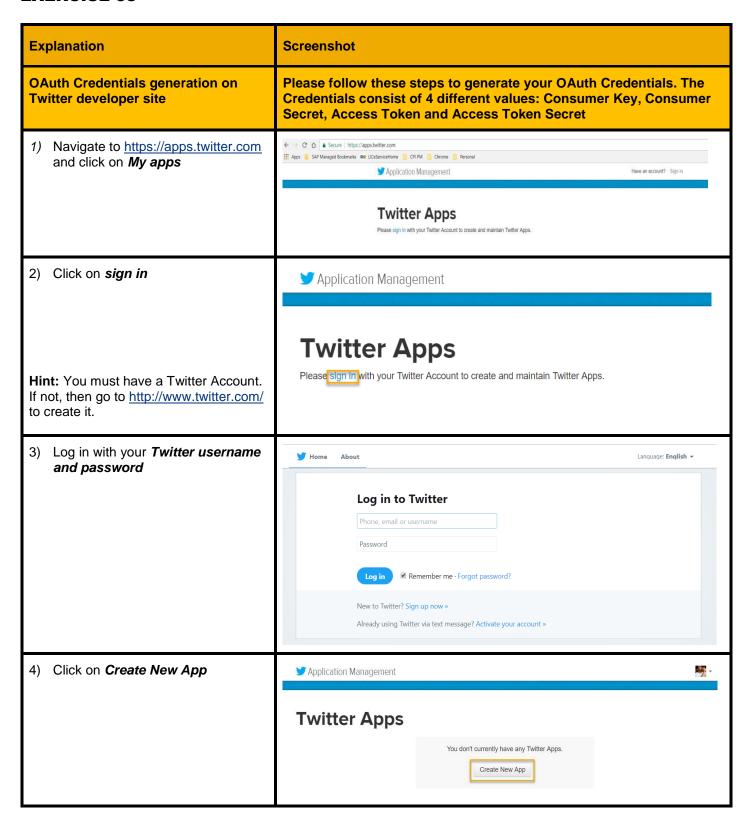
SAP CPI, uses a so-called OAuth Credentials for the Integration with Twitter. Using OAuth in the context of a Twitter adapter, the Consumer (SAP CPI) that calls the Twitter API on behalf of a specific Twitter user identifies itself using its **Consumer Key** and **Consumer Secret**, while the context to the user itself is defined by an **Access Token** and an **Access Token Secret**. These Credentials are to be generated for SAP CPI (consumer) and should also be deployed in a way that they will never expire.

The Twitter OAuth Credentials are generated directly on the Twitter Developer site. As a prerequisite to the credentials generation, you must have a Twitter account. If this is not the case, then please go to http://www.twitter.com/ and follow all described steps to create a Twitter account.

For this exercise, each participant will need to generate and deploy their own OAuth Credentials, because the Credentials are bound to one specific Twitter Account and using the Twitter Adapter Endpoint "Send Tweet" with the specified OAuth credentials, the Adapter always sends Tweets to the Twitter account configured with the OAuth Credentials.

The first part of the exercise assumes that you already have a Twitter Account and will show you how to generate and deploy the Twitter OAuth Credentials.

EXERCISE 03



5) Fill in the mandatory parameters with information of your choice.	Create an application
	Application Details Name * CPI_EKT Your application name. This is used to attribute the source of a tweet and in user-fa
	Description *
	SAP CPI EKT
	Your application description, which will be shown in user-facing authorization scree
	Website *
	https://www.google.com
	Your application's publicly accessible home page, where users can go to download qualified URL is used in the source attribution for tweets created by your application (If you don't have a URL yet, just put a placeholder here but remember to change)
	Callback URL
Hint: For the parameter Website, you can enter any functioning URL of your choice. This won't be used in our case, but we must fill in it because it is mandatory.	Where should we return after successfully authenticating? OAuth 1.0a applications regardless of the value given here. To restrict your application from using callback.
6) Scroll down and click <i>Create your Twitter application</i>	Developer Agreement ✓ Yes, I have read and agree to the Twitter Developer Agreement. Create your Twitter application

