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

**Exercise07: SAP Cloud Platform Integration Components Used:** 

- SOAP Sender Adapter
- Data Store
- Groovy Script
- Integration process with Transaction Handling



# INTEGRATION SCENARIO

Retail customer has an offline warehouse data which need to be persisted to multiple data stores enabled with transaction management

### **Use Case:**

This Integration flow basically showcases simple scenario with 3 use cases:

## 1. Transaction handling enabled, Script doesn't throw exception:

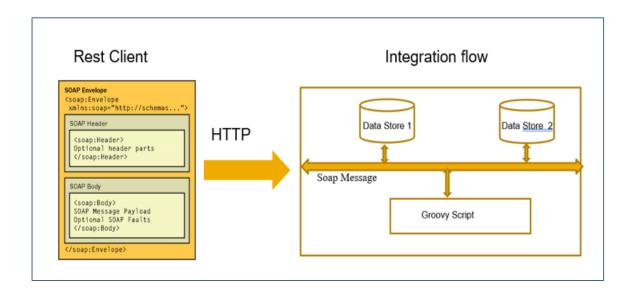
When user sends soap message, it will write to first data store, then since script don't throws exception, it will also be written to the second data store.

# 2. Transaction handling enabled, Script throws exception:

When user sends soap message, it will write to first data store, then since script throws the exception, it will not be written to the second data store and it will be rolled back from the first data store due to entire transaction getting rolled back.

# 3. Transaction handling not enabled, Script throws exception:

When user sends soap message, it will write to first data store, then since script throws the exception, it will not be written to the second data store.



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:

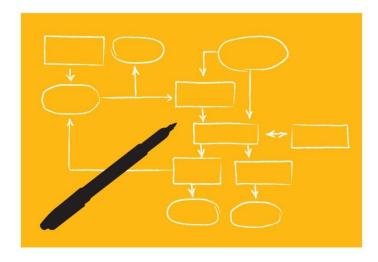
- How to access and work with the Cloud Platform Integration Web tooling
- 2. How to speed up your integration project by leveraging reference integration flows
- 3. How to customize a reference integration flow by configuring its connectivity and flow steps
- 4. Basic monitoring of an integration flow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



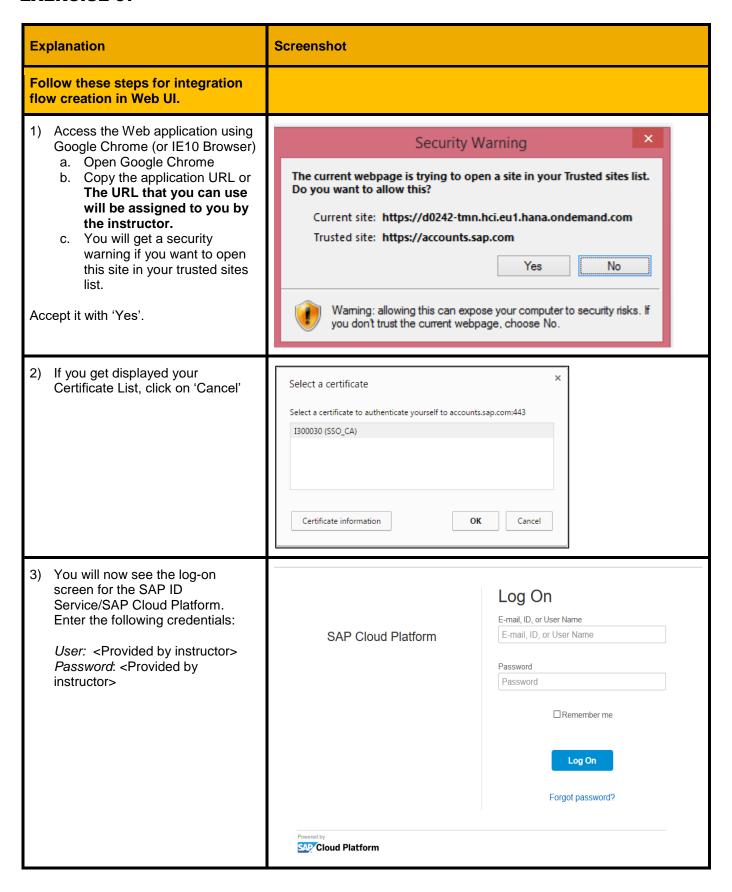
Exercise Files are provided by the session moderator. Download and Extract them into one of your local folders for use later in your exercises and setup:

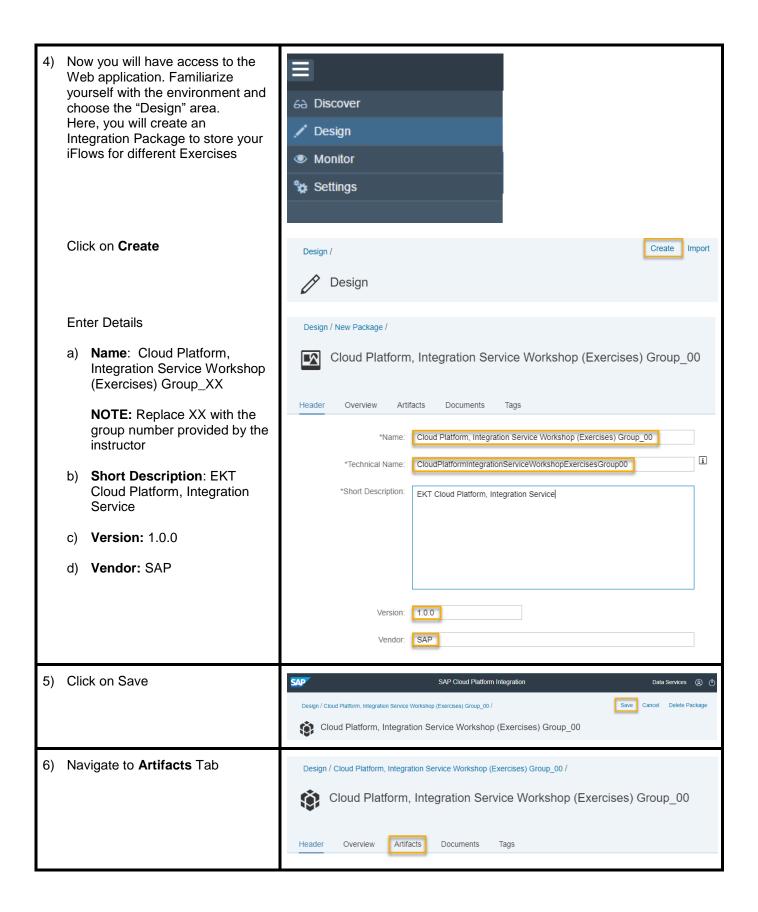
### Note

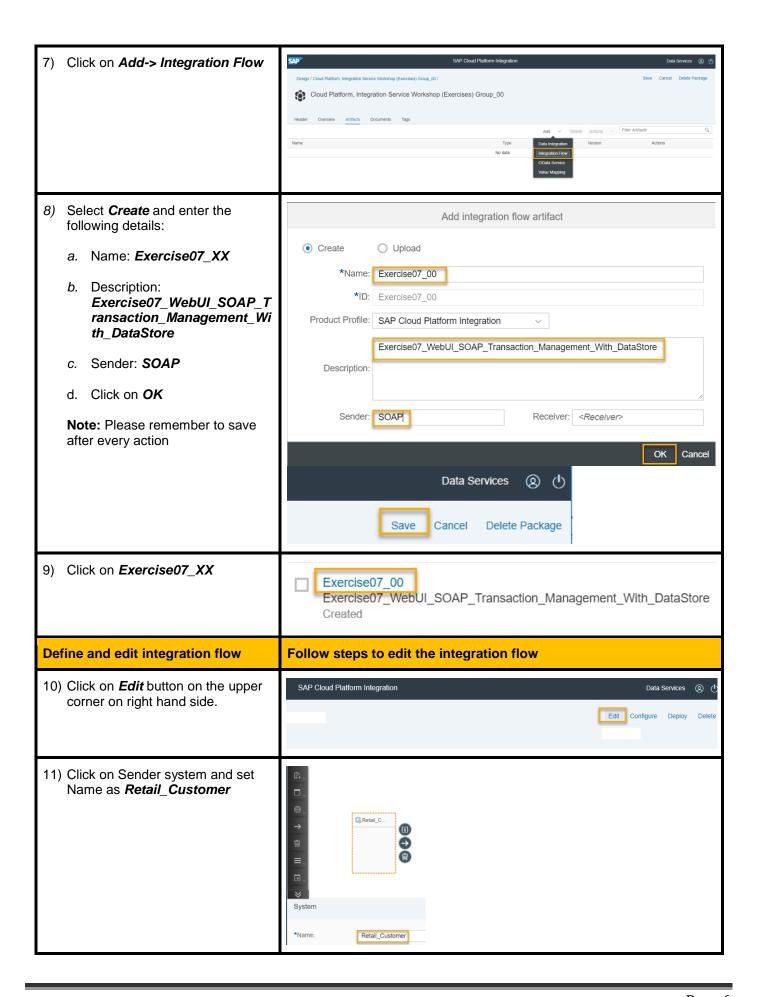
- 1. In the exercise, we have used the notation XX to refer to the content created by you or your group uniquely. The session moderator shall assist you with assigning you/group the unique ID that you can use to replace XX.
- 2. In the exercise, we have used *d0242/d0243* as the example tenants. The 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.

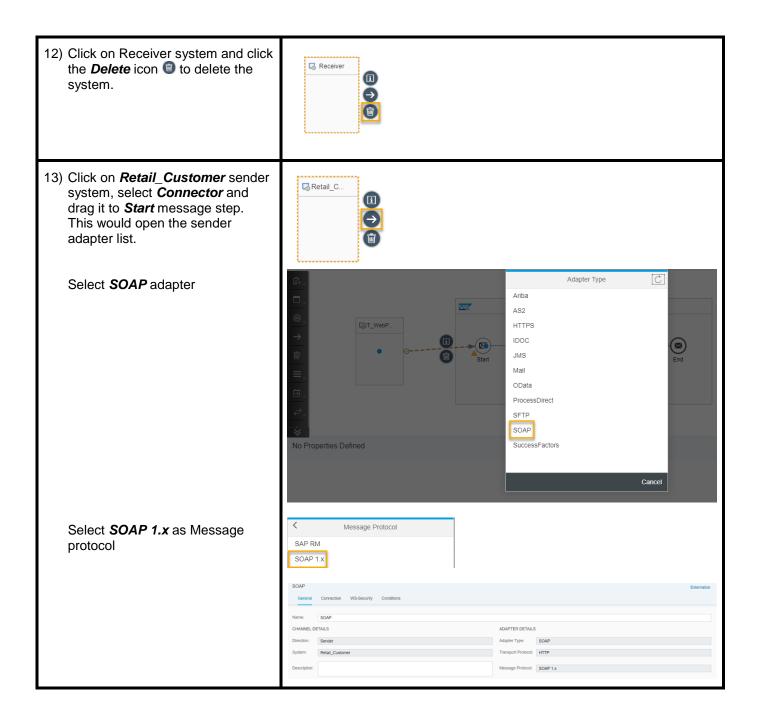


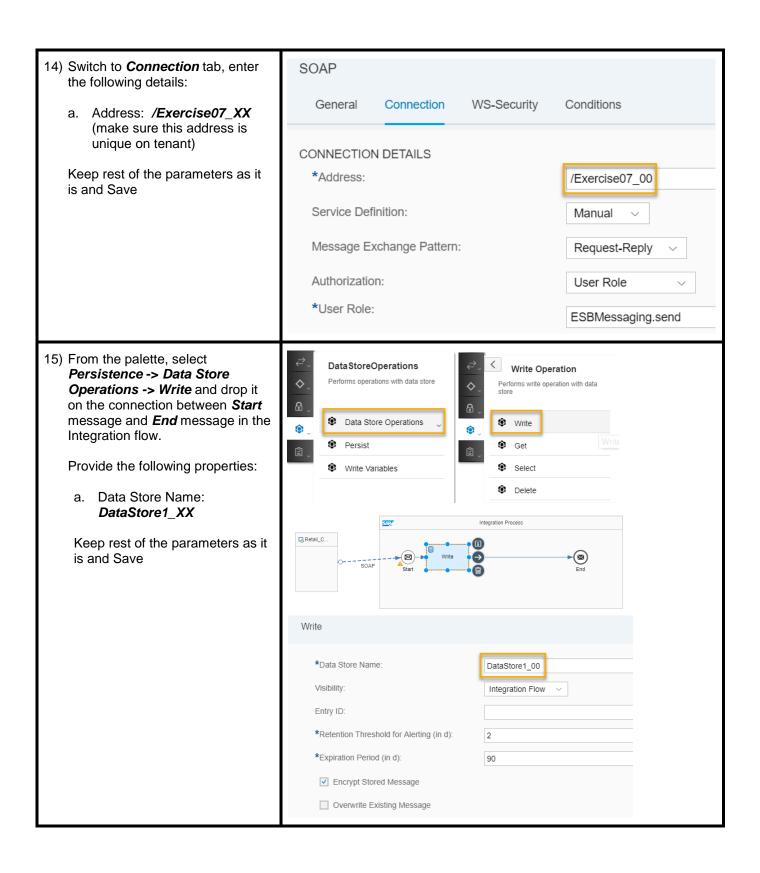
### **EXERCISE 07**











- 16) A groovy script is needed to throw an exception. This is used to demonstrate the transaction management capability. Add the groovy script after *Write* data store flow step in iFlow using the following steps:
  - a. From the palette, select Message Transformers -> Script -> Groovy Script and drop it on the connection between Write data store flow step and End message in the integration flow.
  - b. Click on Create icon 1
  - c. Replace the script default code with the following code:

import
com.sap.gateway.ip.core.customdev.u
til.Message;
import java.util.HashMap;

def Message processData(Message
message)
{
 //throw new Exception("Exception
for JDBC flow");
 return message;

d. Click on OK

Save

17) From the palette, select Persistence -> Data Store Operations -> Write and drop it on the connection between Groovy Script message and End message in the Integration flow.

Provide the following properties:

b. Data Store Name: **DataStore2 XX** 

Keep rest of the parameters as it is and Save

