**Action Learning for SAP Cloud Platform Integration**

**Business Requirement:**

To send a soap request from a 3rd party system and post the ORDERS05 IDOC in SAP ECC (EC5). Since the mapping is already available in SAP PI2 system, utilize the same message mapping from PI2 and execute it through CPI (Utilizing the PI2 Mapping in CPI)

**Frequency**: On Demand

**Volume**: 1 per run.

**Steps to be followed.**

1. Create one sender participant and one receiver participant.
2. Connect the sender participant and Integration process using SOAP Adapter.
3. Add a Message Mapping from Pallet.
4. Click outside the Integration Flow. A tab with General Runtime configs, Error Configs, Resources, Externalized parameters, Problems will occur.
5. Click on the Resources Tab.
6. In the Right extreme, you will find add button. Add-->Mapping-->Message Mapping.
7. In the Message Mapping Window type the below.
   1. Source : ES Repository
   2. Name: PI2
   3. Address: <http://pi2server:50000> Location ID: CGCPI <Please Ping [saiganesh.muddu@capgemini.com](mailto:saiganesh.muddu@capgemini.com) when you do this activity validate the Cloud Connector up and running>

(Credential: PI2\_Trainer2 needed for cloud connector setting, No need to create for action learning this is already in place.)

1. Click on Connect. A list of message mappings from PI2 server will appear.
2. Choose MM\_CPI\_ActionLearning from the list of message mappings and click on Add. This will add the Idoc WSDL, MM and the Source Message Type.
3. Now, assign this message mapping to the message mapping that you have created in iflow.
4. Connect the Message mapping to the end. And End to the Receiver via IDOC adapter.
5. Idoc Adapter configuration as below.
   1. Address: <http://ec5:8000/sap/bc/srt/idoc?sap-client=100>
   2. Proxy Type: On-Premise
   3. Location ID: **MUMBAI**
   4. Idoc Content Type: Application/x-sap.idoc
   5. Authentication: Basic
   6. Credential Name: **EC5\_Action\_Learning**
   7. Timeout: 60000
   8. Check on Allow Chunking and Clean-up Header Request.
6. Save and Deploy the Iflow
7. Use the Below Payload for testing.

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/" xmlns:cxf="http://cxf.component.camel.apache.org/">

<soapenv:Header/>

<soapenv:Body>

<ns0:MT\_CPI\_ActionLearning xmlns:ns0="urn:capgemini.com:OTC:I1008:Inbound\_Orders\_CPI\_ActionLearning">

<ORDERS>

<OrderNumber>123</OrderNumber>

<Currency>INR</Currency>

<Quantity>2</Quantity>

<PayableAmount>200</PayableAmount>

<VendorNumber>98765</VendorNumber>

<VendorName>Capgemini India</VendorName>

<City>Bangalore</City>

</ORDERS>

</ns0:MT\_CPI\_ActionLearning>

</soapenv:Body>

</soapenv:Envelope>

Mandatory points to be checked before executing this scenario.

1. Check if the cloud connector is up and running. (check with saiganesh.muddu@capgemini.com )

As for action learning cloud connector is set up on Saiganesh’s local desktop.

1. Check if the PI2 and EC5 Servers are mapped with cloud connector and is reachable.
2. Enable your trace in your iflow.

By the End of this Scenario, you will be able to,

1. Configure On-Premise ECC system with CPI via Cloud connector.
2. Configure On-Premise PI system with CPI via Cloud connector.
3. Importing of Objects from PI to CPI and using them in your iflow.
4. Configuration of Idoc receiver Adapter.