Lab 2 -Function Outbound Endpoint

Ver. 1.0.0

Overview

This next lab will focus on using the SAP Connector as a Function Outbound Endpoint. The flow that you create will call a BAPI on your SAP server to retrieve a list of customers. Using the previous Mule project from Lab 1, we'll extend and add a new flow to the project.

Reminder: This lab requires the use of your own SAP instance. If you don't have one, you can leverage a hosted SAP service. For the purposes of this lab, we utilized <u>Sandbox SAP</u>.

Overview

Steps

- 1. Setup HTTP Connector
- 2. Configure SAP Connector
- 3. Use DataWeave to Create a BAPI Function
- 4. Transform XML to SAP Function
- 5. Test Project

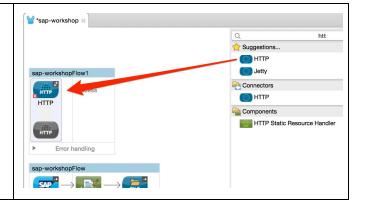
Summary

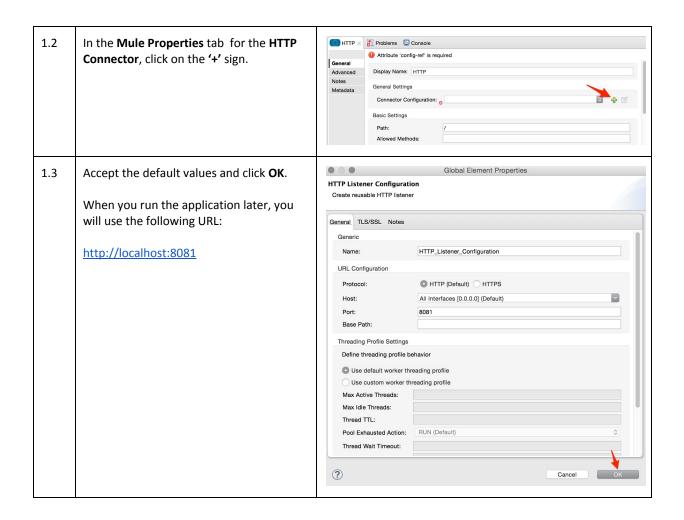
Steps

1. Setup HTTP Connector

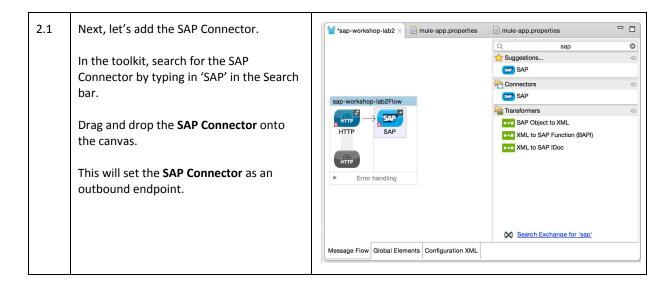
1.1 In the toolkit, search for the HTTP Connector by typing in 'http' in the Search bar.

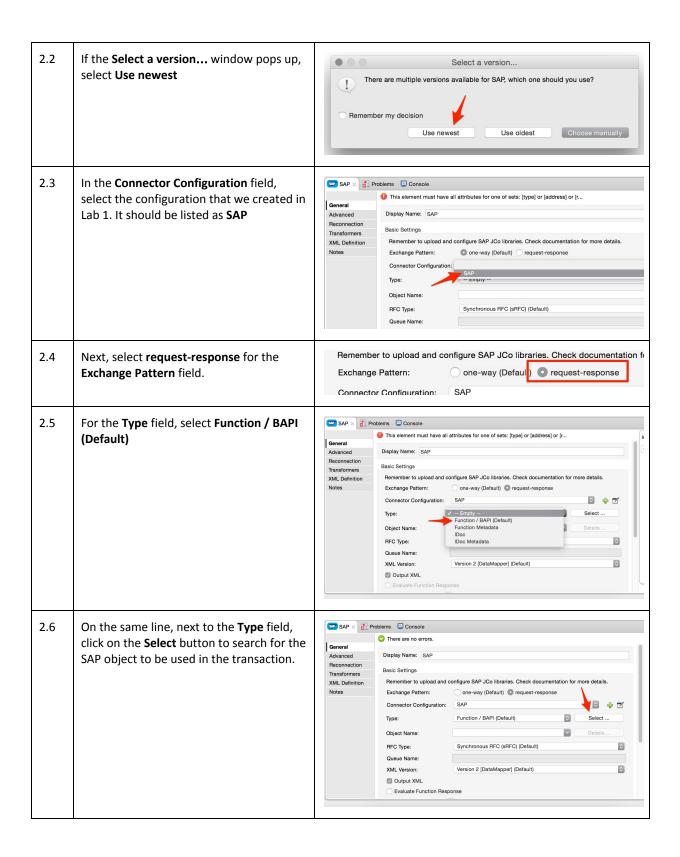
Drag and drop the **HTTP Connector** onto the canvas.

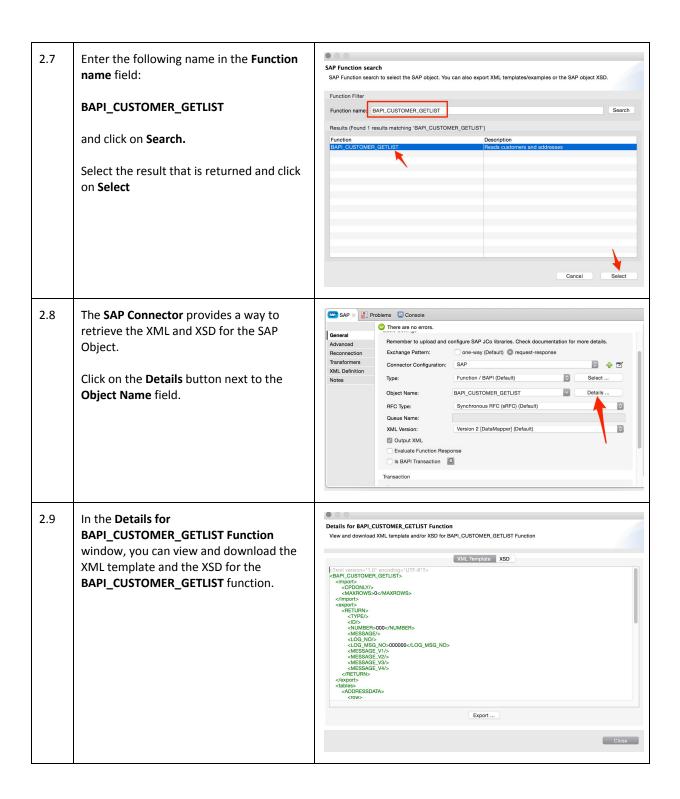


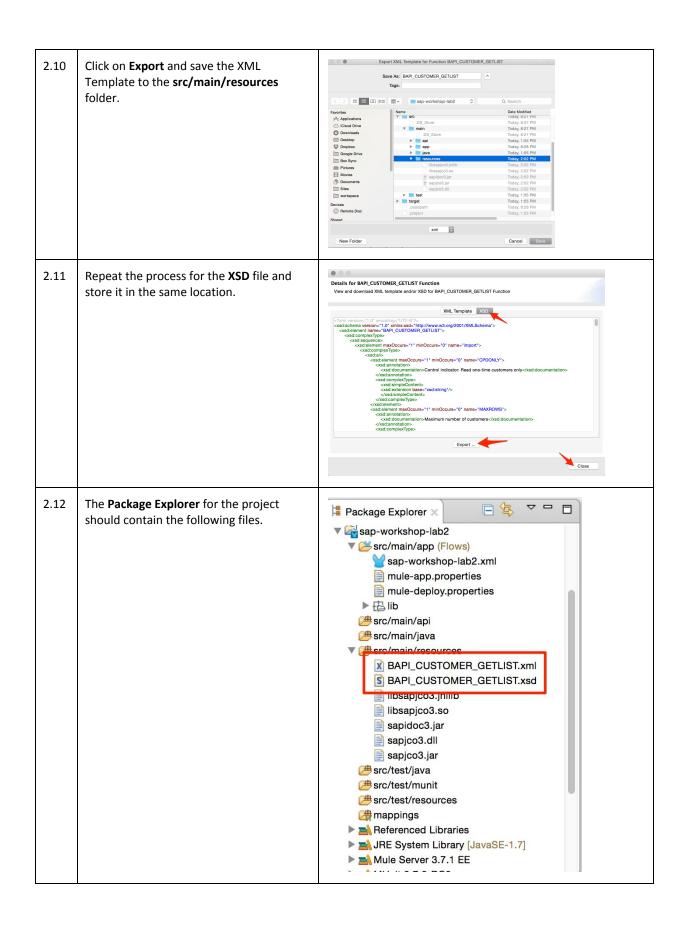


2. Configure SAP Connector

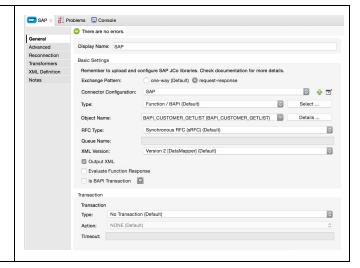








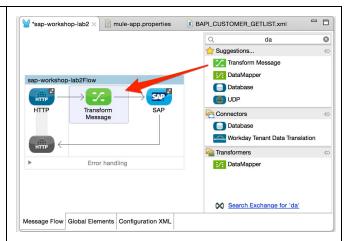
2.13 Keep the default values for the remaining fields in the SAP Configuration Properties window.



3. Use DataWeave to Create a BAPI Function

3.1 Now that the SAP Connector is configured with the correct credentials and SAP
Object we intend to use, we need to setup the message to pass in.

In the toolkit, search for the DataWeave component. Type in 'data' in the search and then drag and drop the **Transform Message** component into the canvas.
Drop it between the **HTTP Connector** and the **SAP Connector**

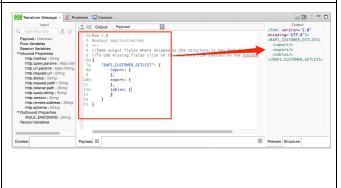


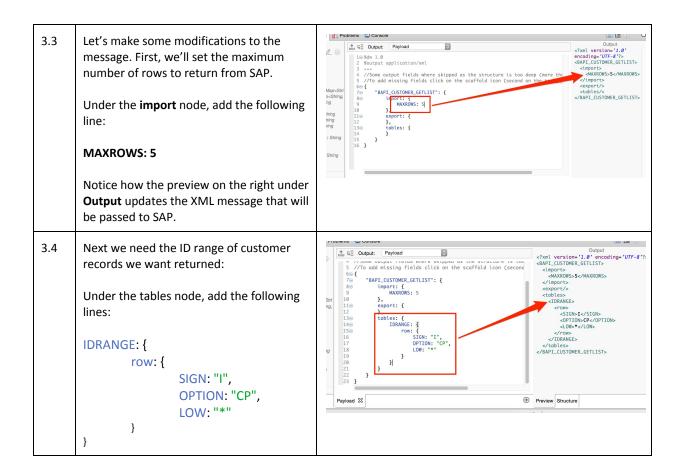
3.2 In the Transform Message Configuration
Properties window, you can see how the
component scaffolds out the expected
message to be passed to the SAP
Connector using DataWeave

The **Output** on the right shows a preview of the payload message as you modify the message using DataWeave

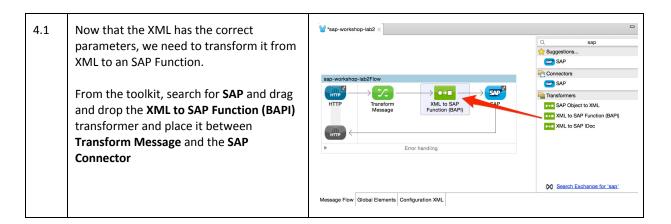
More information about the DataWeave language can be found here:

http://mulesoft.github.io/data-weave



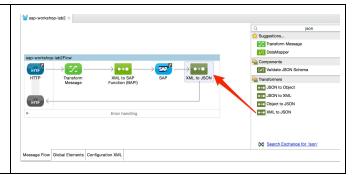


4. Transform XML to SAP Function

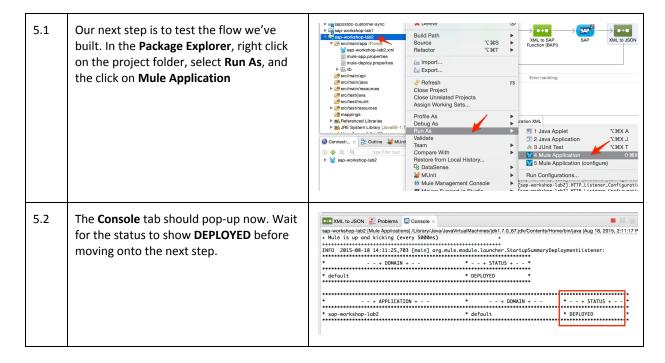


4.2 Once the SAP Connector processes the function the data will be returned as XML. Let's go ahead and transform that and output the customer list as JSON data.

Search for **json** and then drag and drop the **XML to JSON** transformer and place it after the **SAP Connector**.



5. Test Project



Let's test out our flow now. Switch to your browser and enter the following URL:

http://localhost:8081

If everything was configured correctly, you should see the following screen on the right.

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Summary

This lab demonstrated how simple it is to retrieve a list of customers using the SAP Connector.

In the next lab, you will learn how to use the SAP Connector as an IDoc Outbound Endpoint to insert a customer into SAP

Lab 3 - IDoc Outbound Endpoint