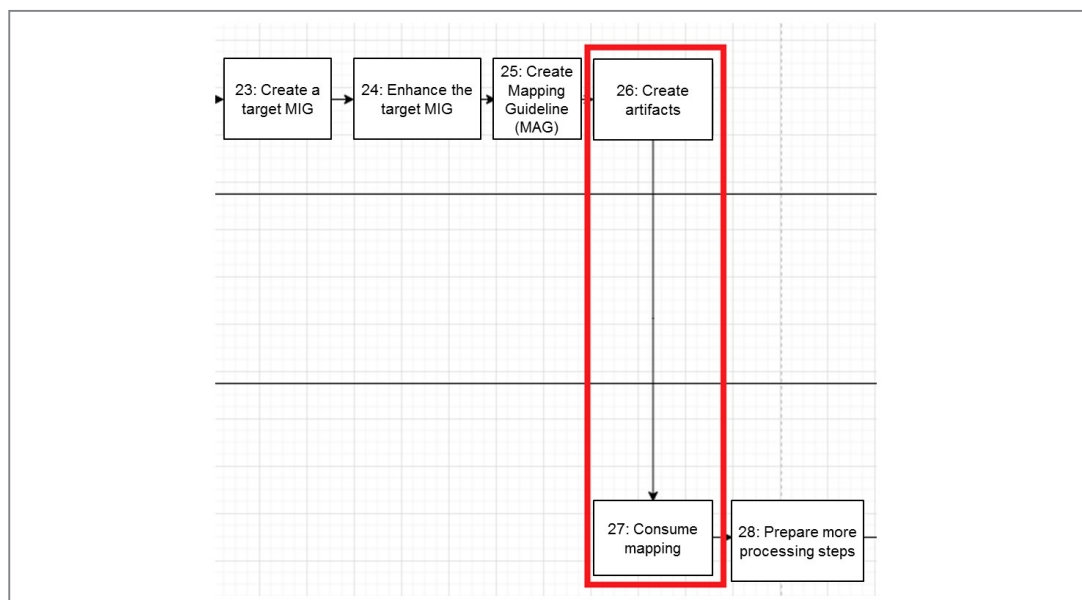## 📖 Generate and Consume Integration Advisor Artifacts

207

Business Scenario

In the previous lesson, you created an OData to SOAP mapping guideline within the Integration Advisor (IA). You will now create Cloud Integration (CI) runtime artifacts and inject these into the iFlow you have started to build in the lesson Configure inbound communication. Runtime artifacts are deployable scripts and schemas.

In this exercise, you will perform the following steps:

- 26: Create artifacts.
- 27. Consume mapping.

Prerequisites

You have successfully completed the lesson **Creating Mapping Guidelines (MAGs)**.

You have downloaded and unzipped the file: *provided_integration_content*. You find the file under this link: https://groups.community.sap.com/t5/sap-btp-learning/exercise-content-for-learning-journey-developing-with-sap/ba-p/1764

It may happen, that you have to register to the community pages, follow the steps, described in the community.

Task 1: Create Artifacts

1. Create and export CI runtime artifacts from IA.
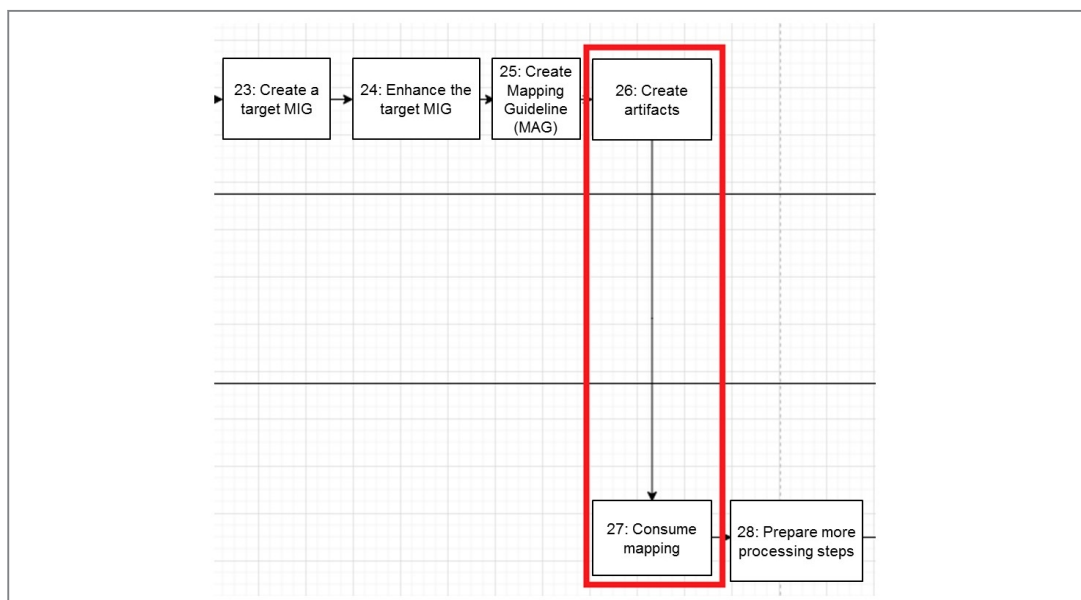
Task 2: Consume Mapping

1. Consume mapping.

📖 Generate and Consume Integration Advisor Artifacts

209

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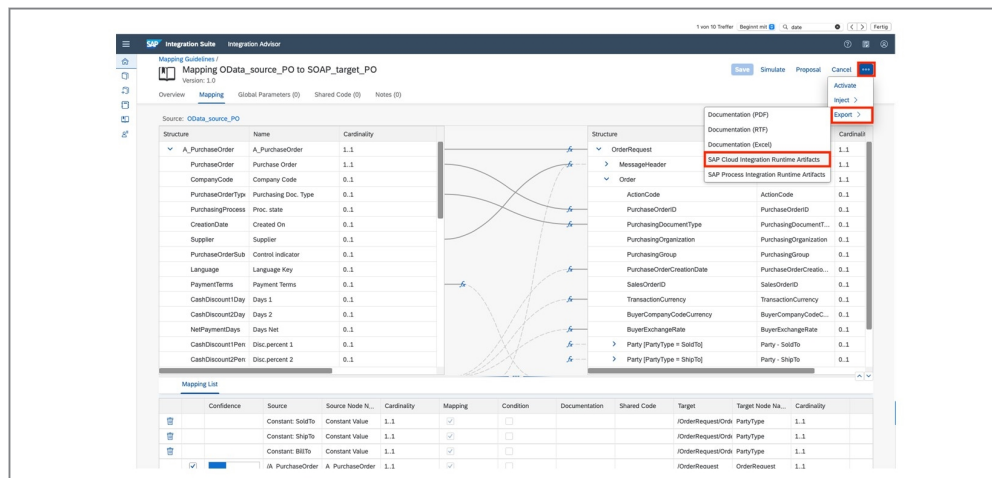You have successfully completed the lesson **Creating Mapping Guidelines (MAGs)**.

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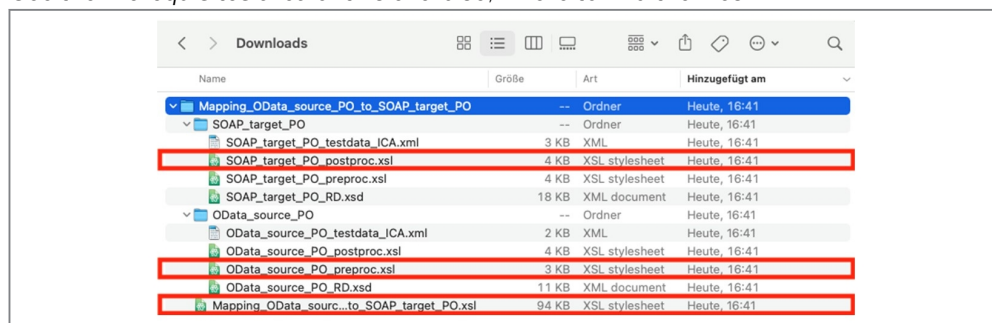
Task 1: Create Artifacts

1. Create and export CI runtime artifacts from IA.

a) In the *Mapping* screen of the SAP Integration Suite Integration Advisor capability, choose ... → *Export* → *SAP Cloud Integration Runtime Artifacts*.

b) Find the downloaded zip file on your computer and locate the *OData preprocessing, OData to SOAP mapping* and *SOAP postprocessing* files. You will use these next. Alternatively you can also use the IA mapping files in the *provided_integration_content* folder.
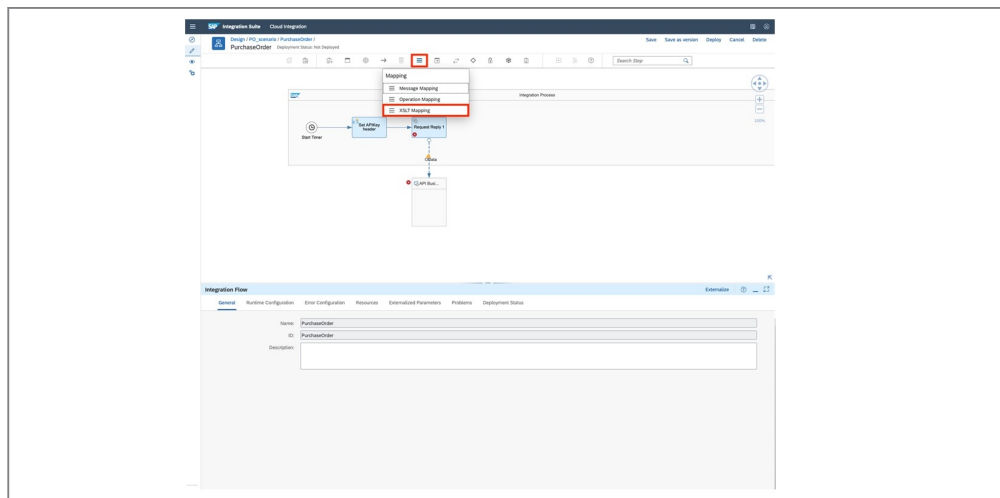
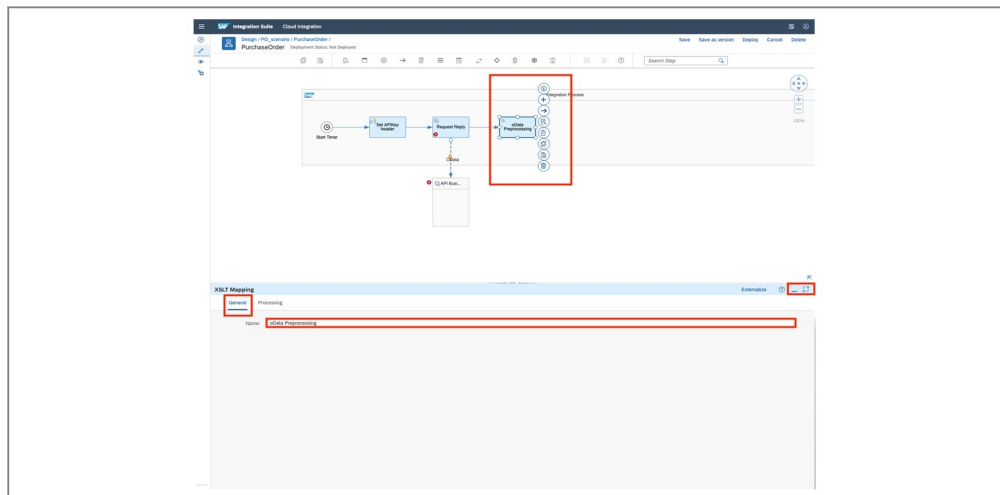See the *Prerequisites* area of this exercise, where to find the files.
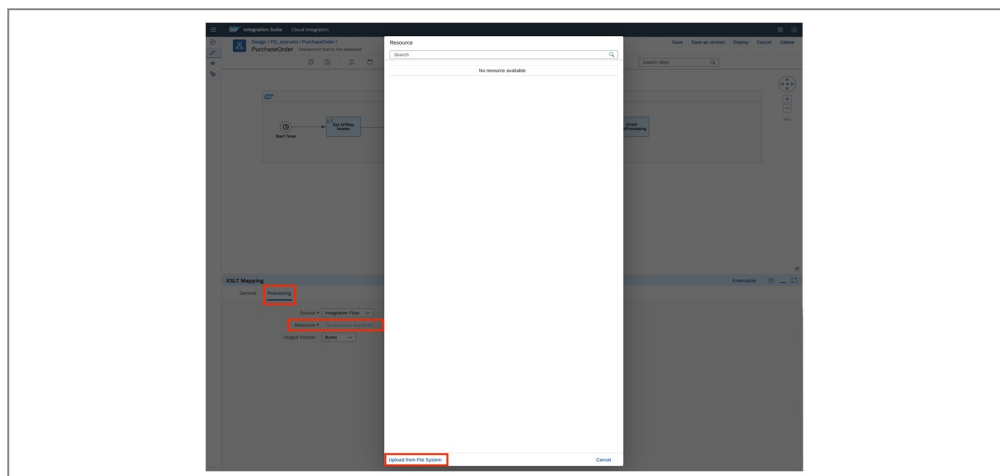

Task 2: Consume Mapping

1. Consume mapping.

   a) Navigate back to your CI tenant and the *iFlow PurchaseOrder*. To continue, you must be in *Edit* mode.

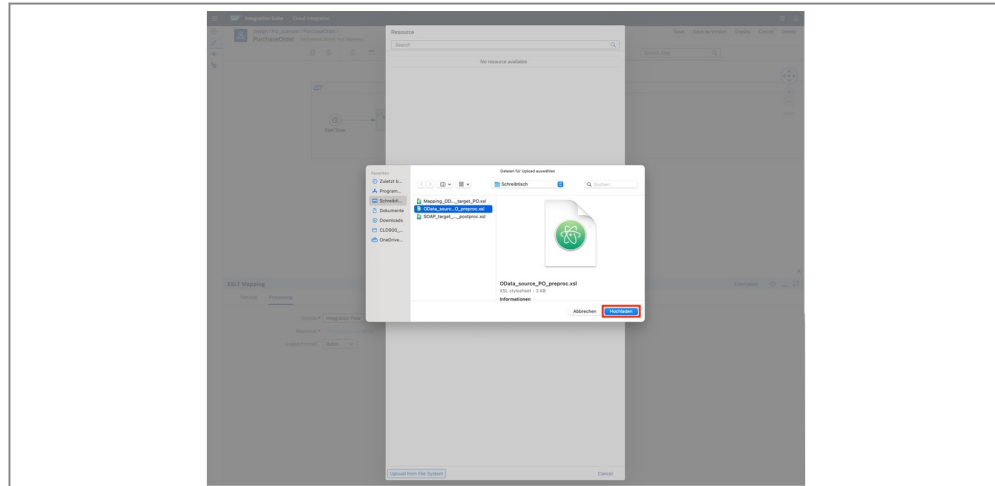   **b)** Select *XSLT Mapping* from the mapping menu and position it adjacent to the *Request Reply* process step.

c) Connect both process steps as previously shown via drag and drop from *Request Reply*. Select the *XSLT Mapping* step and expand the configuration bar from the bottom right. Under *General*, provide **OData PreProcessing** as *Name*.
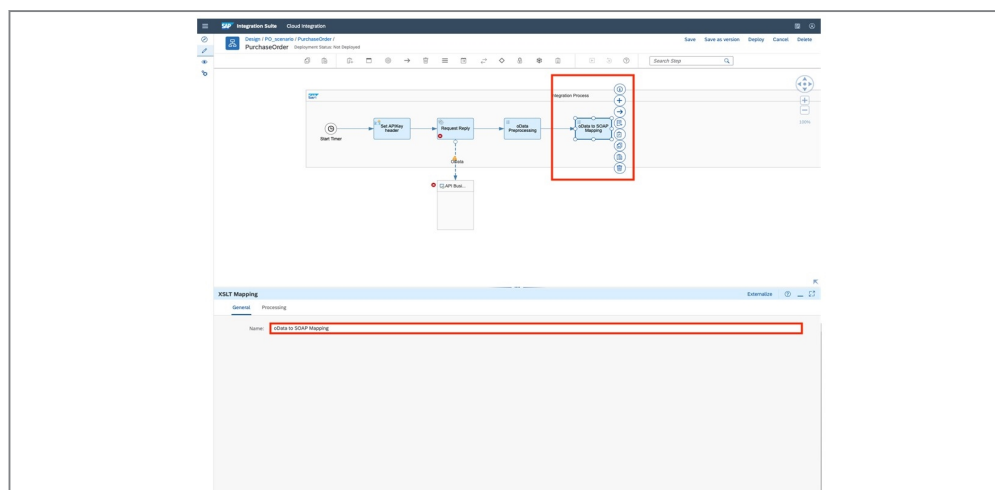

d) Switch to the *Processing* tab and choose *Select* to provide a resource. Choose *Upload from File System* in the bottom-left corner of the *Resource* screen.
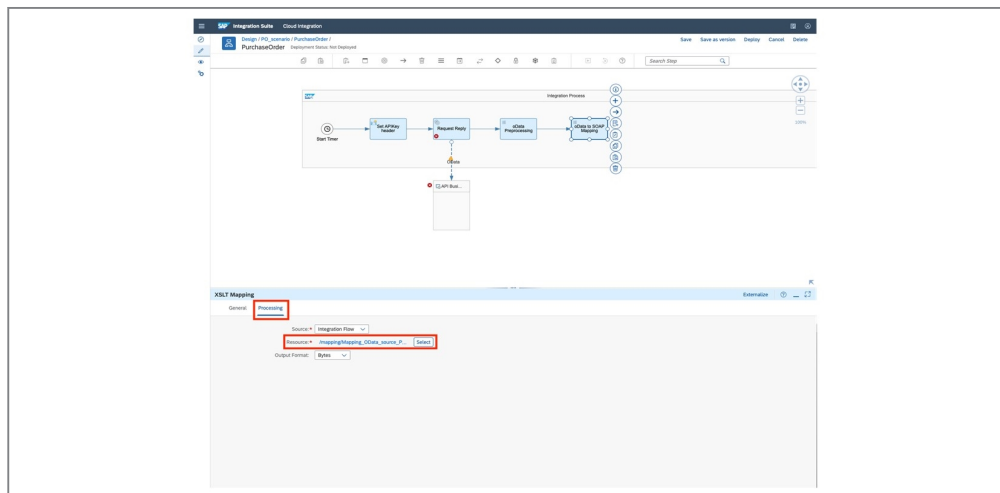
e) Locate the OData preprocessing file you previously prepared. If you followed the naming conventions of this course, the file is named *OData_source_PO_preproc.xsl*.
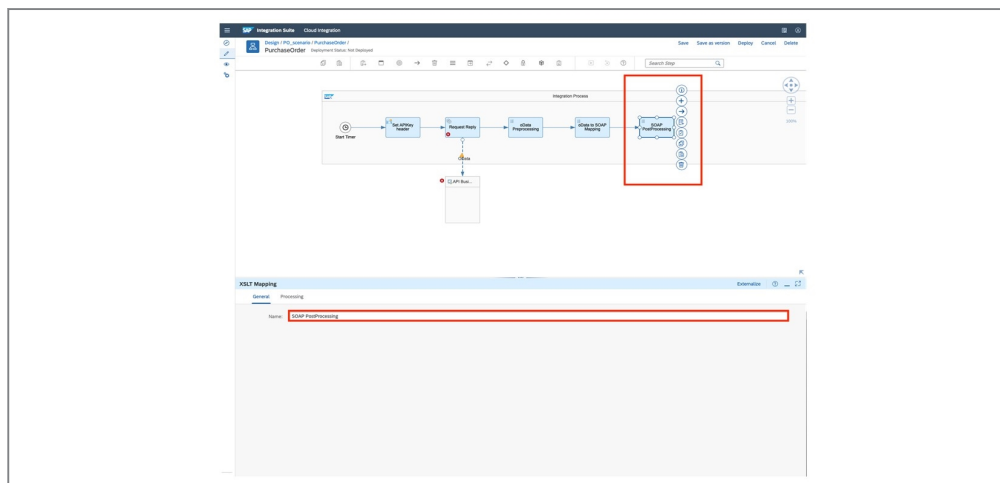

f) Return to the iFlow editor and create another XSLT Mapping from the mapping menu. Position it adjacent to the previous process step. Connect both process steps as previously shown via drag and drop. Select the new *XSLT Mapping* step and expand the configuration bar from the bottom right. Under *General*, provide **OData to SOAP Mapping** as *Name*.
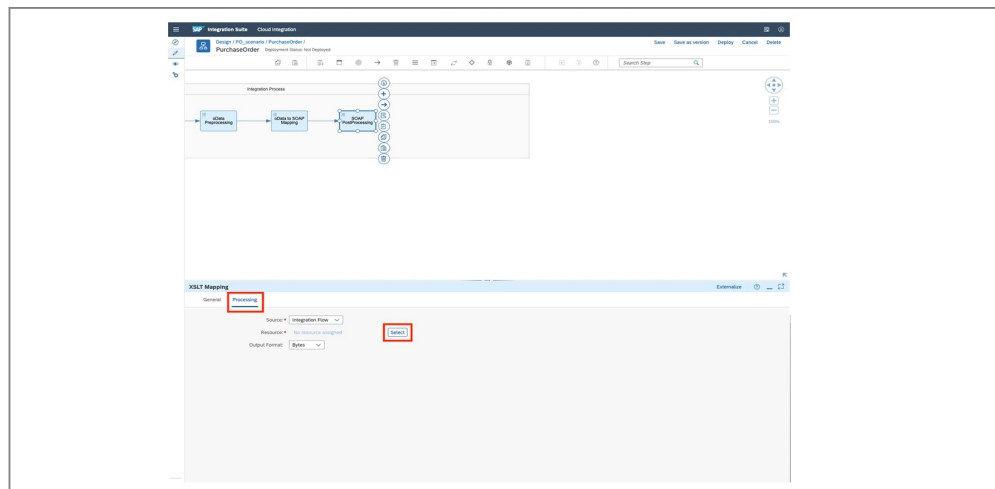

g) Switch to the *Processing* tab again and choose *Select* to provide a resource. Choose *Upload from File System* in the bottom-left corner of the *Resource* screen. Locate the OData-SOAP mapping file you previously prepared. If you followed the naming conventions of this course, the file is named *Mapping_OData_source_PO_to_SOAP_target_PO.xsl*.

h) Return to the iFlow editor and create another XSLT Mapping from the *Mapping* menu. Position it adjacent to the previous process step. Connect both process steps as previously shown via drag and drop. Select the new *XSLT Mapping* step and expand the configuration bar from the bottom right. Under *General*, provide **SOAP PostProcessing** as *Name*.

i) Switch to the *Processing* tab again and choose *Select* to provide a resource. Choose *Upload from File System* in the bottom left corner of the resource screen. Locate the SOAP postprocessing file you previously prepared. If you followed the naming conventions of this course, the file is *SOAP_target_PO_postproc.xsl*.

j) Choose *Save* to secure your progress.

Please note that instead of manually adding the CI runtime artifacts, they can also be injected automatically from IA. For this, a CI destination must be configured beforehand in your SAP BTP tenant on Cloud Foundry which you created as a prerequisite for this course.

Summary

You have successfully exported the created IA mapping artifacts and injected them into the *PurchaseOrder* iFlow.

Further Reading

Further reading about the mapping runtime artifacts and their purpose can be found in the following blog: https://blogs.sap.com/2019/11/06/integration-advisor-the-mapping-runtime-artifacts-and-their-purpose/