

Public

SAP Teched 2022 IN263 - Onboard and Manage New Trading Partners Using SAP Integration Suite

Exercise

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1 INTRODUCTION

In this session, you will learn how to onboard a new Trading Partner by using the following capabilities of the Integration Suite:

- Integration Advisor
- Trading Partner Management
- Cloud Integration

To make this session a successful one for all attendees, we recommend a good understanding of data structures (e. g. IDoc, SOAP, X12 or EDIFACT) along with some understanding of the SAP Cloud Integration. The business process that we will simulate in this exercise depicts the transfer of an Order using Idoc as a format over Cloud Integration to a (simulated)Trading Partner as an X12 850 (Purchase Order). To minimize the additional effort for you, the Idoc order is already prepared and will be directly sent to Cloud Integration as soon as you deploy your integration flow. The output will here not send to a real Trading Partner system but to the mail address you specify during the exercise.

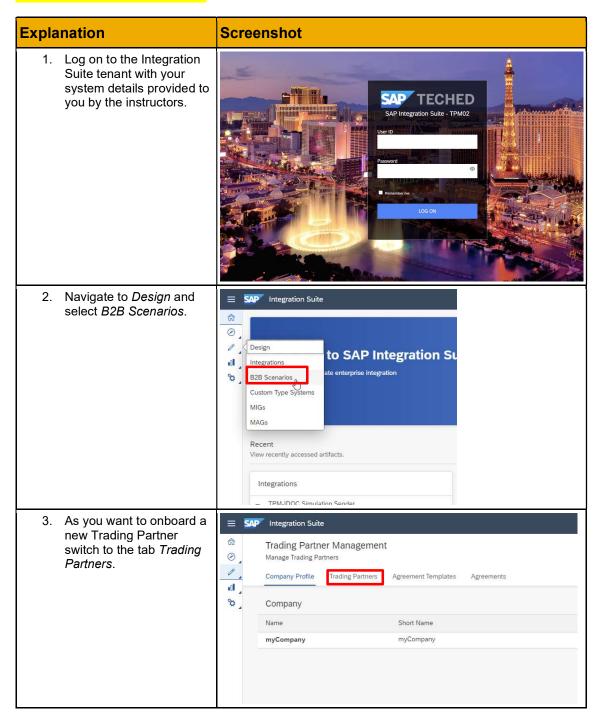
Usually, when onboarding business partners you need to define interfaces – for each of them. Once defined, you can proceed modelling the mappings in need and document all pieces. Afterwards, you build an integration flow where you have to doublecheck the incoming structure, implement the mapping and execute further checks on the outbound structure. This step, you are obliged to do repeatedly for each of your business partners. Last, not least, you need to configure the outbound connection for each of your integration flows in your sending system.

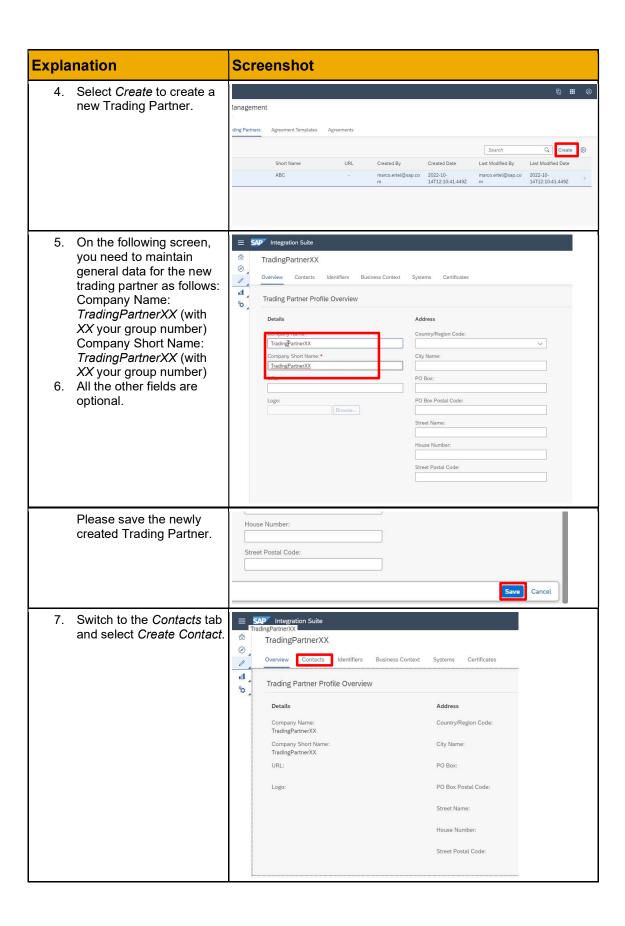
With the usage of the Integration Advisor, developing and documenting of the structures needed will be much easier and faster than before as the Integration Advisor is using a machine learning process on top of the knowledge base, which contains the knowledge of all already implemented integrations and many type libraries. In this first part of the exercise, the creation of the structures and mappings in the Integration Advisor is already done. In a the part of the exercise you also have to work on the MIG (interface) and on the MAG (mapping).

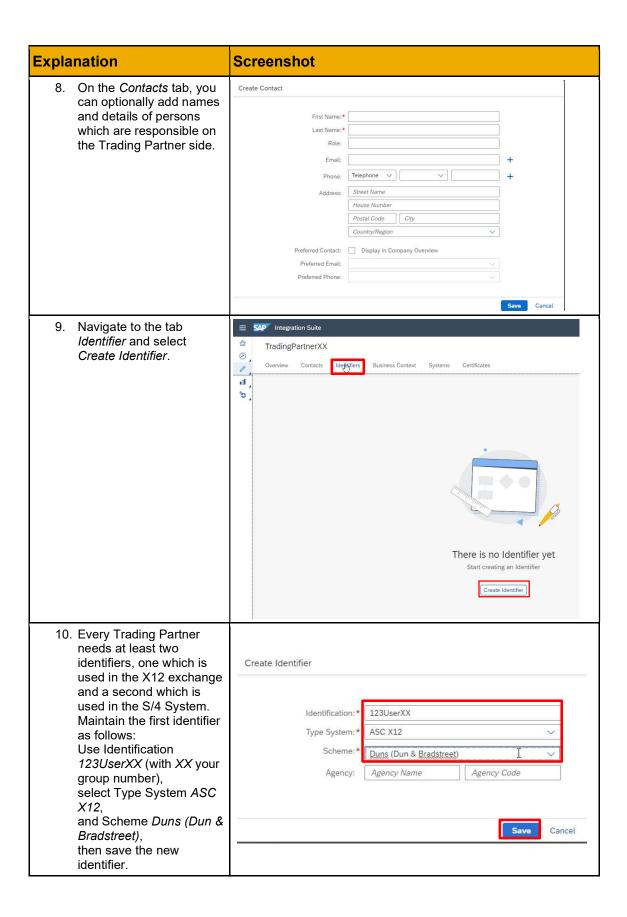
2 EXERCISE 1

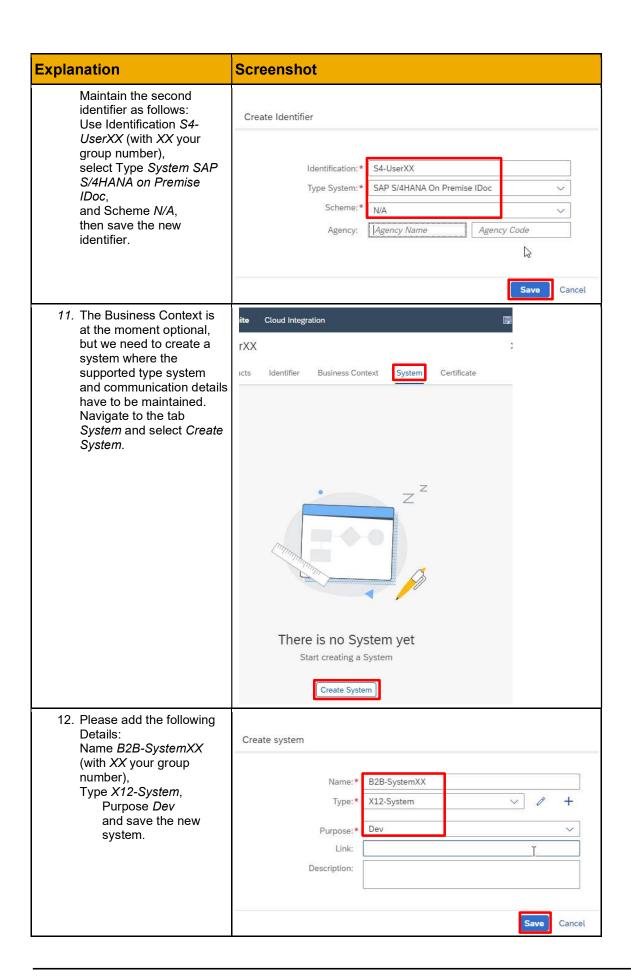
2.1 Create new Trading Partner

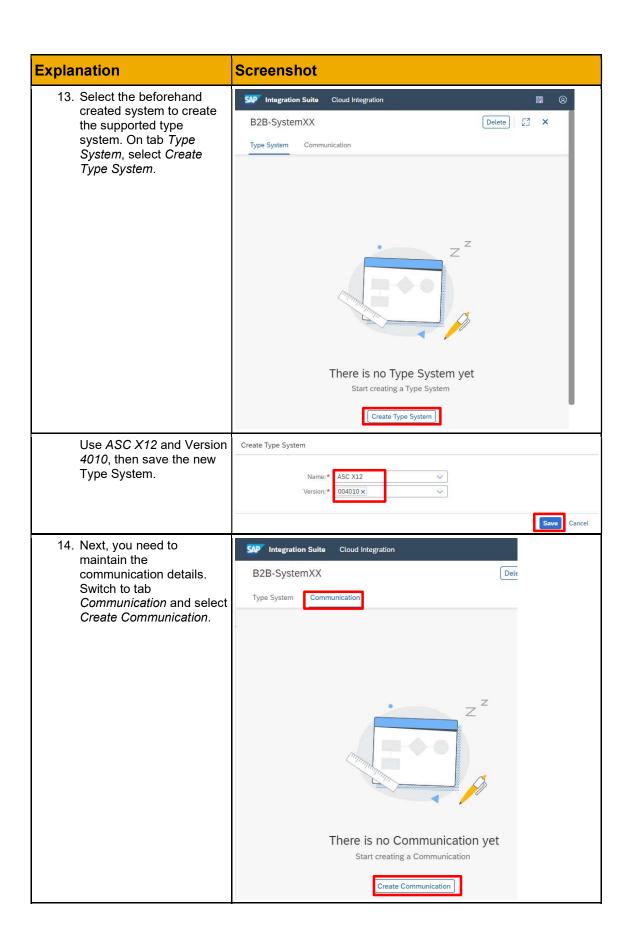
Tenant: https://cpisuite-europe-08.integrationsuite.cfapps.eu10.hana.ondemand.com/ User/Password: UserXX/Welcome

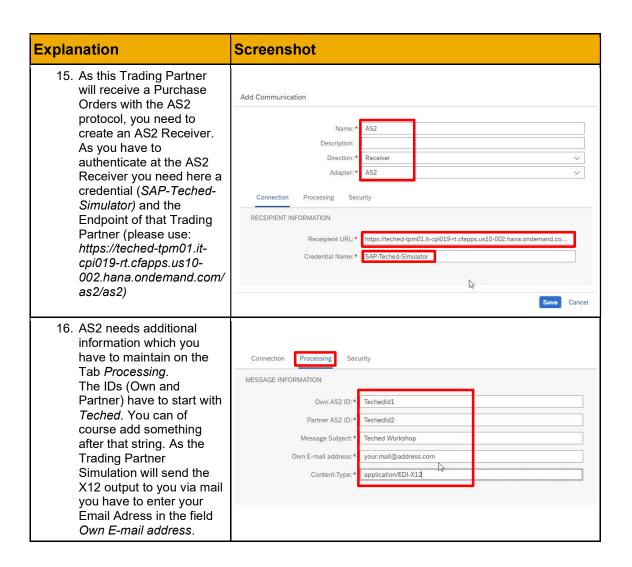












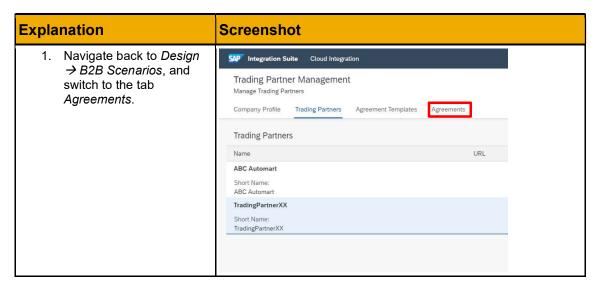
Use Agreement Template to create an agreement

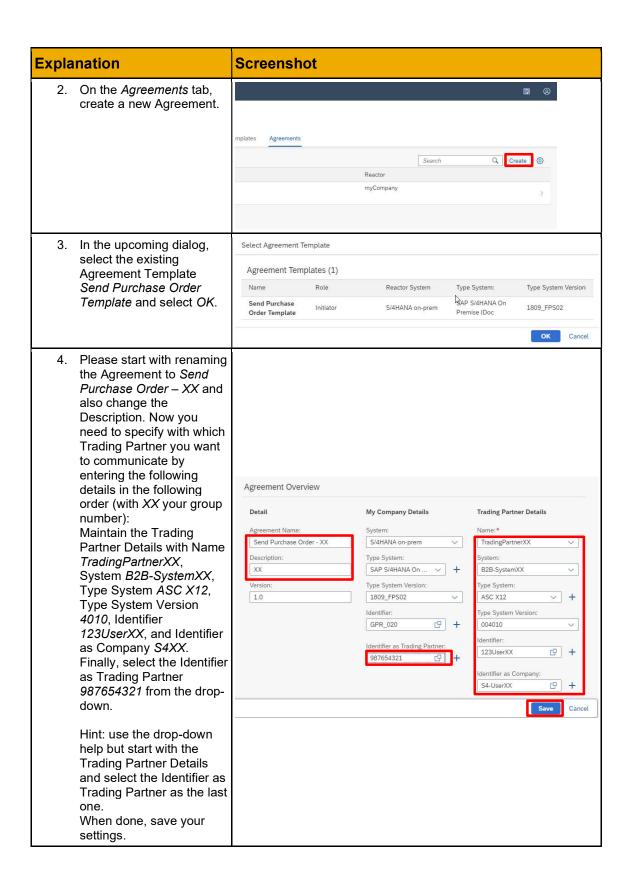
With the Agreement, you instantiate the agreement template where you need to fill out the details of the trading partners. Especially the Identifiers might be irritating if you use TPM for the first time. TPM differentiates between IDs which will be used in the system of the company and IDs which are used in the IDoc. message. Let's have a look at the relevant part of our IDoc Payload:

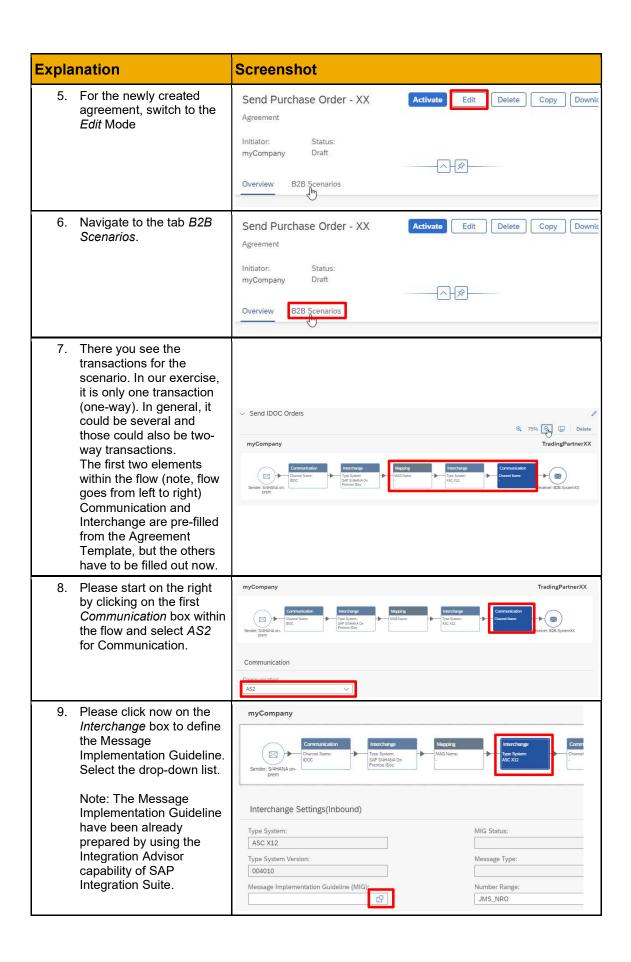
<ORDERS05 xmlns="urn:sap-com:document:sap:idoc:soap:messages"> <IDOC BEGIN="1"> <EDI DC40 SEGMENT="1"> <TABNAM>EDI DC40</TABNAM> <DOCNUM>000000000000002</DOCNUM> <DOCREL>1809 FPS02</DOCREL> <DIRECT>2</DIRECT> <OUTMOD>3</OUTMOD> <IDOCTYP>ORDERS05</IDOCTYP> <MESTYP>ORDERS</MESTYP> <MESCOD>EX</MESCOD> <MESFCT>A48</MESFCT> <STD></STD> <STDVRS>4010</STDVRS> <STDMES>850</STDMES> <SNDPOR>SUBSYSTEM</SNDPOR> <SNDPRT>KU</SNDPRT> <SNDPRN>GPR 020</SNDPRN> <RCVPOR>SAPMAT</RCVPOR> <RCVPRT>LS</RCVPRT> <RCVPRN>S4-UserXX</RCVPRN> <CREDAT>20221007</CREDAT> <CRETIM>071312</CRETIM> <REFINT>004301228</REFINT> <REFGRP>4301367</REFGRP> <REFMES>ORDERS05</REFMES> <SERIAL>20221007071312</SERIAL>

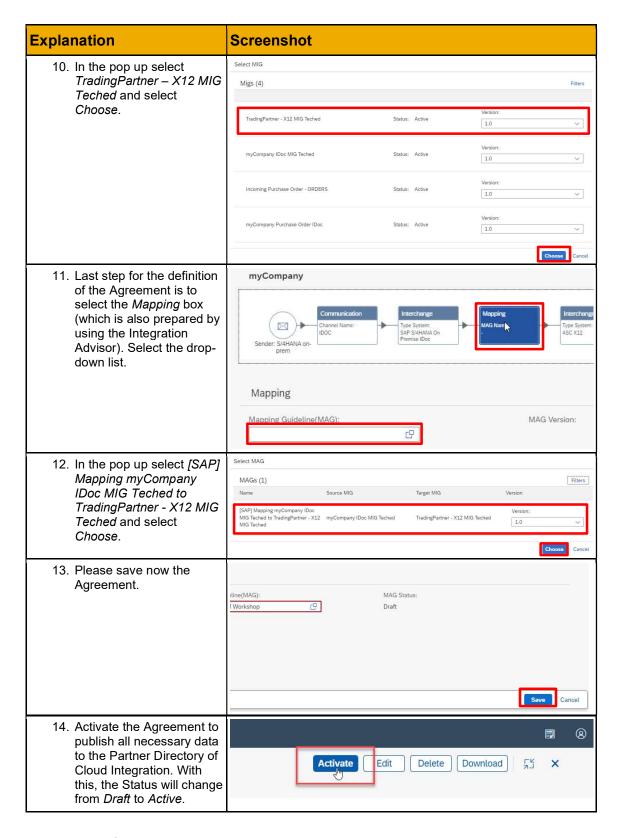
GPR 020 is the Identifier which you can find in the My Company Details.

<mark>34-UserXX</mark> can be found in the Details of the Trading Partner under "Identifier as Company" (as usual the XX will then be your group number).



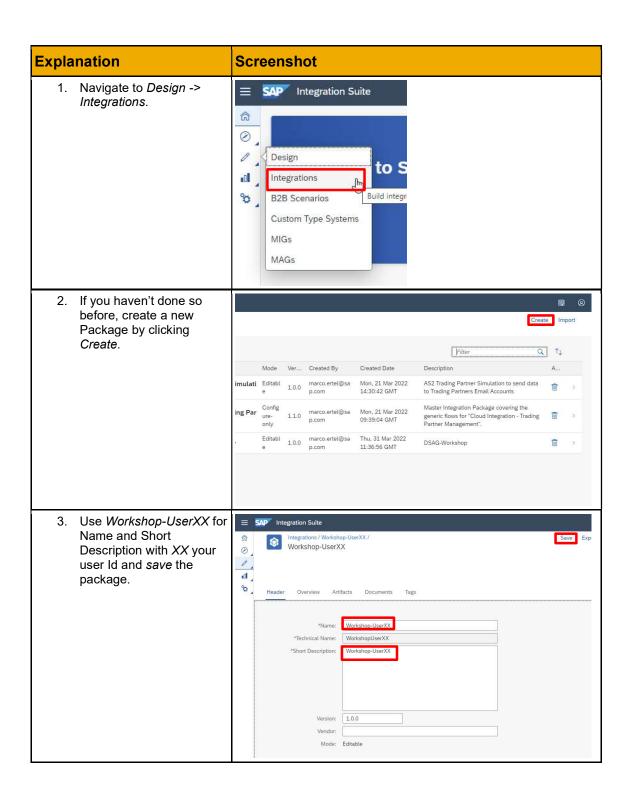


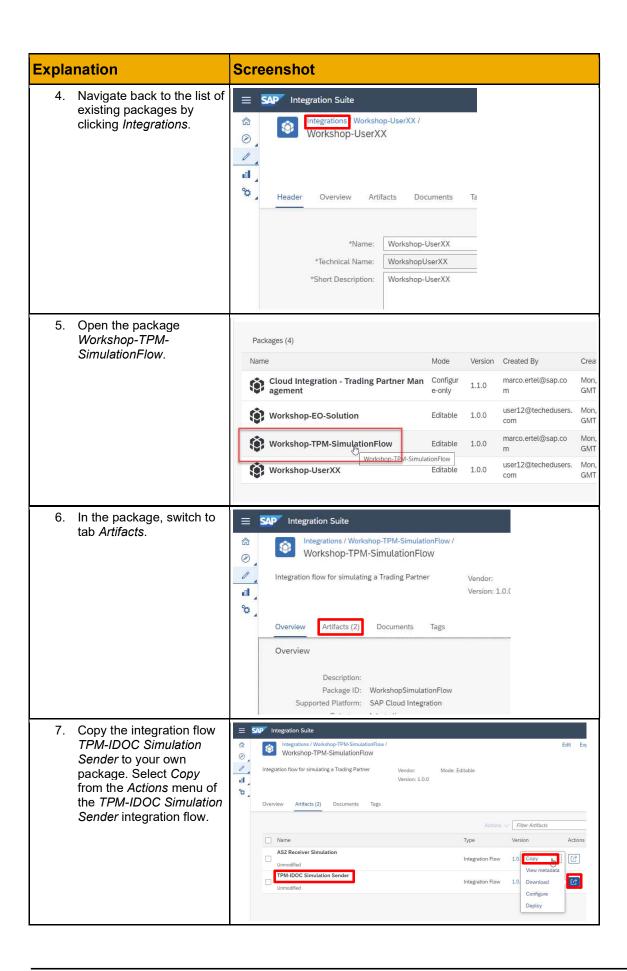


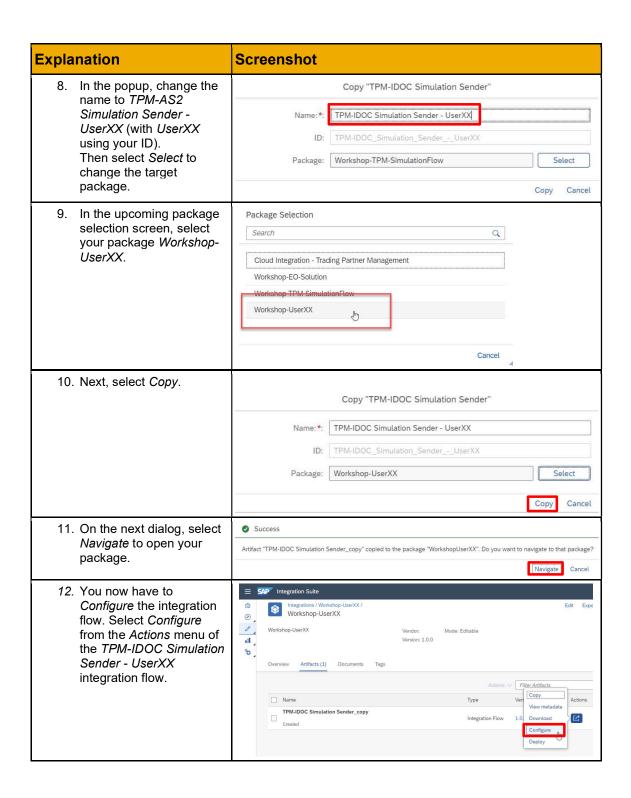


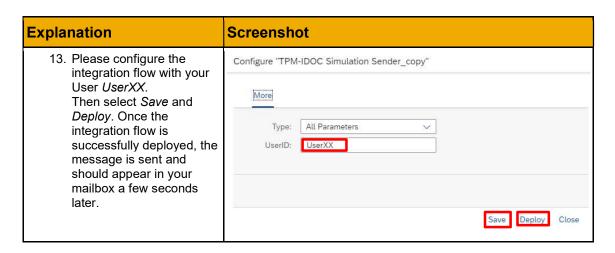
2.3 Prepare Simulation Flow and send a message

As we have defined that our Company will send an Idoc Order using the IDOC Protocol we need to simulate this sender. For this we have built an integration flow which you have to copy to a new package, configure and deploy. The IDoc message is send as soon as the integration flow is deployed.



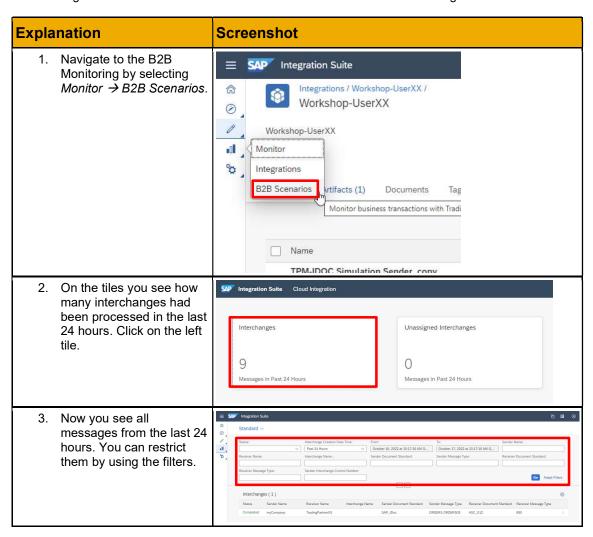


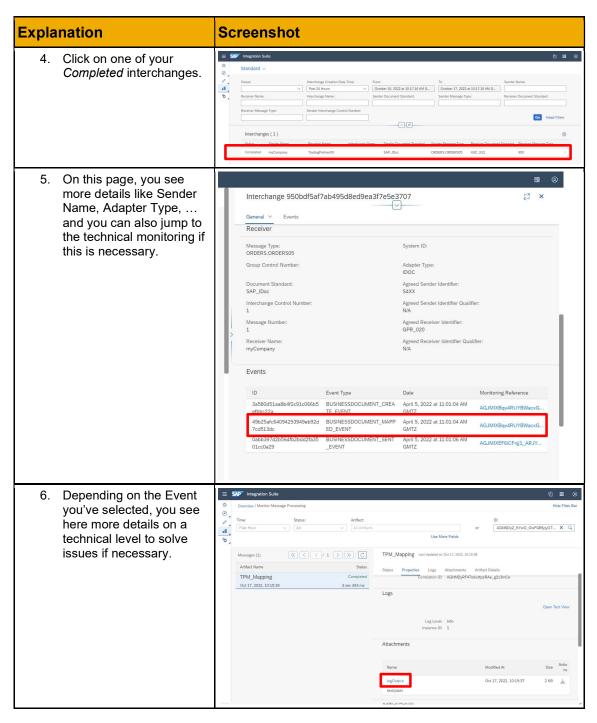




2.4 Monitor the scenario

As the sent IDoc message is now sent to the generic integration flow and from there via the AS2 Adapter to other (already prepared) integration flow you should get an email in your inbox with the payload as an X12 850 message. To monitor B2B Scenarios let's have a look at the B2B Monitoring.





Congrats, you have successfully completed the first exercise.

3 OPTIONAL: EXERCISE 2

3.1 update MIG of the Trading Partner to a new Version

copy MIG auf neues MIG umbenennen cancel migrate auf 5010 DTM duplicate 999 mit time

3.2 create NEW MAG to fit the updated MIG

copy MAG auf eigenes MAG (und umbenennen) austausch des Target MIG durch das neu erstellte MIG ändern des mappings

- -löschen des Mappings von credat nach BEG 374
- -anlegen E1EDK02 001->DATUM nach BEG373
- -anlegen E1EDK03 002->DTM(374=002)->373
- -anlegen E1EDK03_12 DATUM->DTM(374=999)->373
- -anlegen E1EDK03 12 UZEIT->DTM(374=999)->374

Datumsformat ändern

3.3 Simulate new MAG in IA

4 OPTIONAL: EXERCISE 3

4.1 use new MIG and MAG in TPM

change tp NEW VERSION

Note: In upcoming version it will be possible to manually overwrite the version for each transaction

4.2 send new test message

5 OPTIONAL: EXERCISE 4...IRGENDWAS IM MONITORING MIT DEN ACKS