

Public

# SAP Sapphire & ASUG Pre-Conference Onboard and Manage New Trading Partners Using SAP Integration Suite

Exercise

Udo Palter, SAP SE Tushar Pradhan, SAP SE



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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 a purchase order using IDoc as a format over Cloud Integration to an X12 850 message. To minimize the additional effort for you, the purchase 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 B2B system but to the mail address you specify in the simulation integration flow.

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.

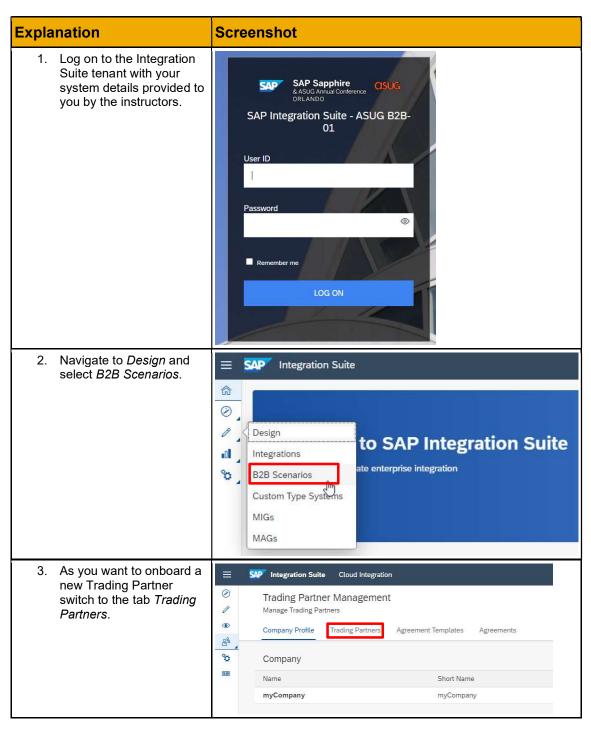
With the usage of the Integration Advisor, developing and documenting of the structures needed will be much easier and faster than before as the Integration Advisor is using a machine learning process on top of the knowledge base, which contains the knowledge of all already implemented integrations and many type libraries. In this exercise, the creation of the structures and mappings in the Integration Advisor is an optional step if you have more time.

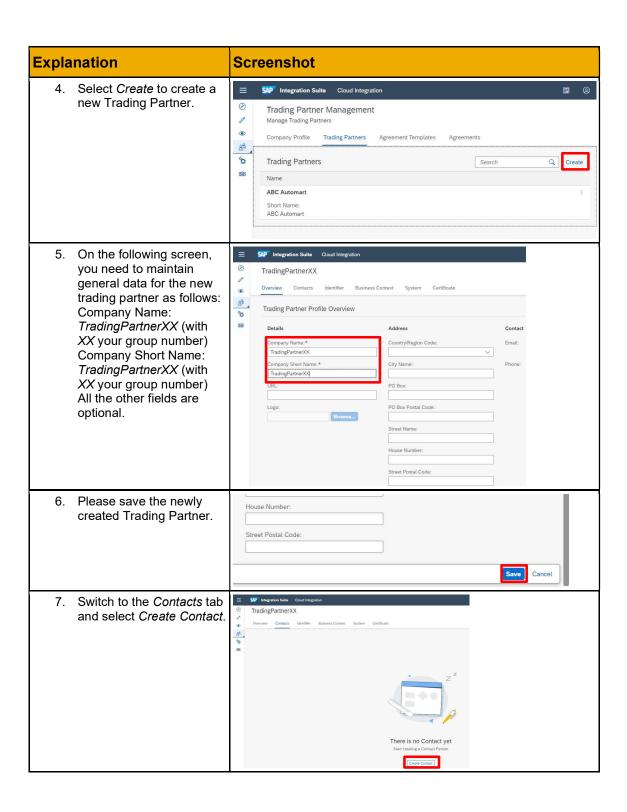
You will enter all necessary data for the trading partner which you will onboard, create an Agreement out of the already prepared Agreement Template.

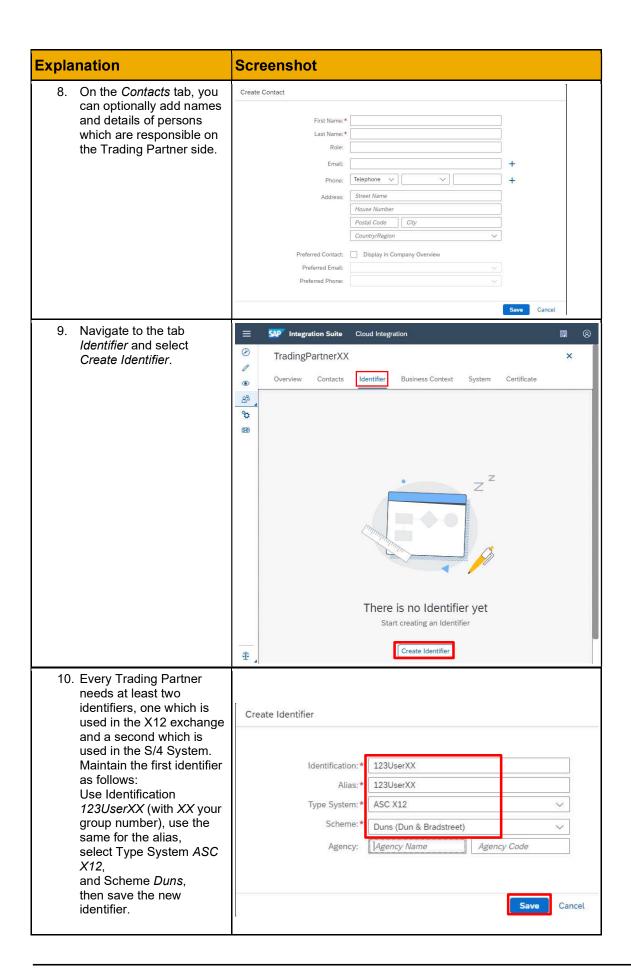
## 2. CREATE NEW TRADING PARTNER

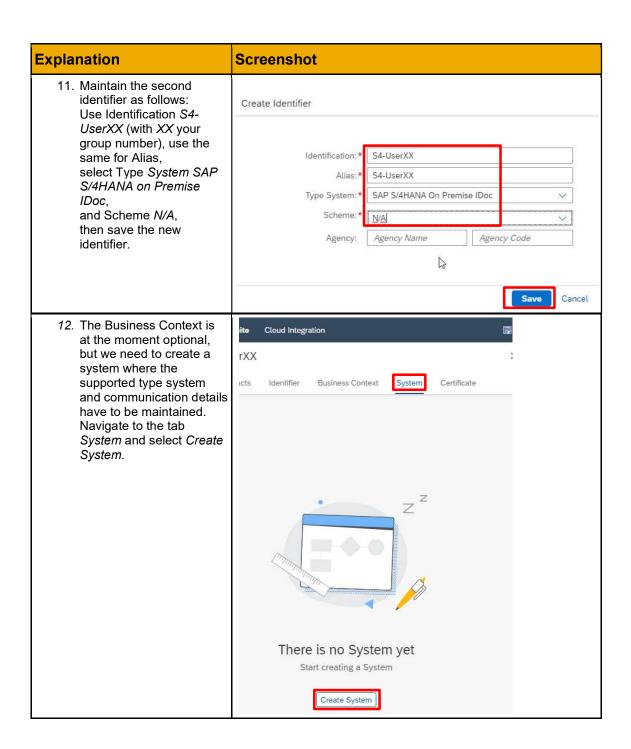
Tenant: https://asug-b2b-01.integrationsuite.cfapps.us10-002.hana.ondemand.com/

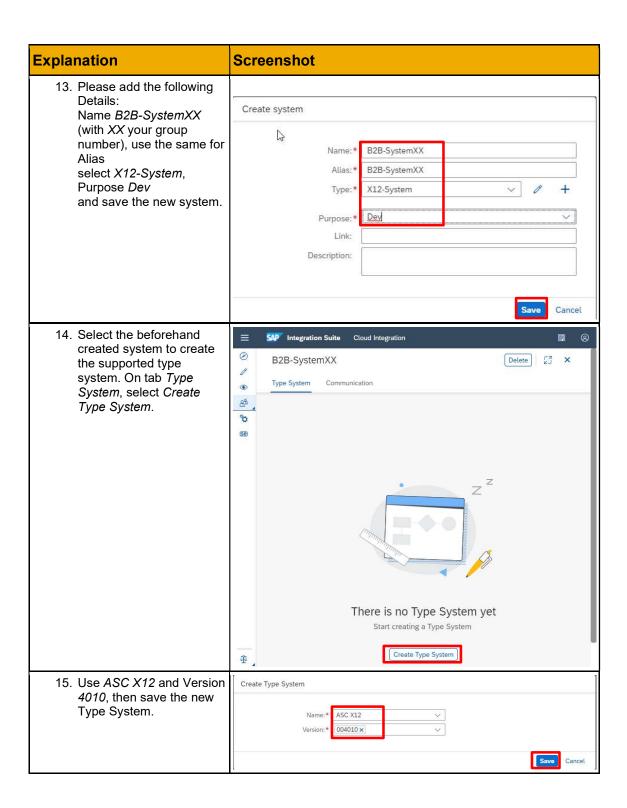
User/Password: UserXX/Welcome1

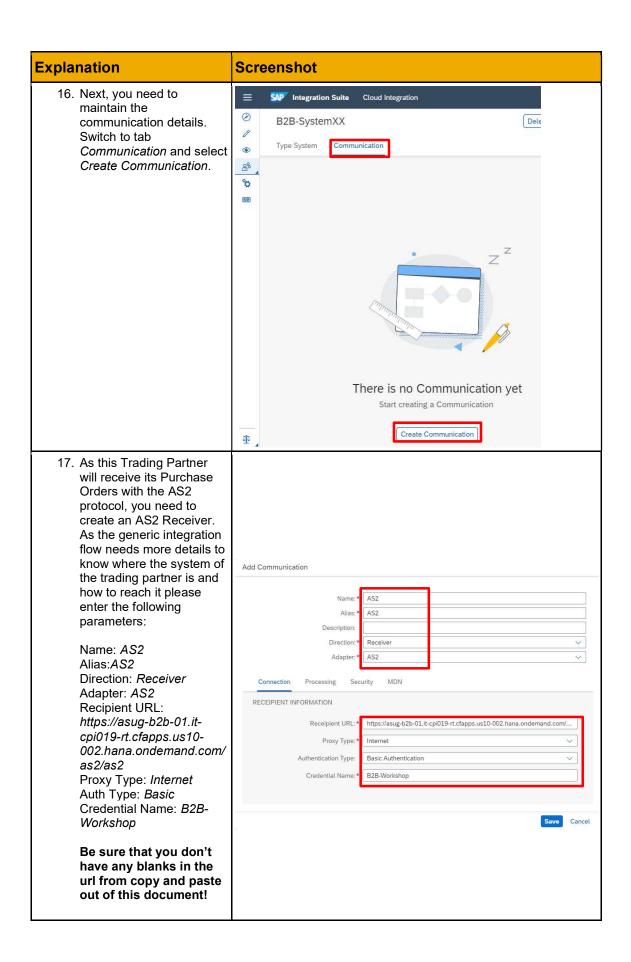


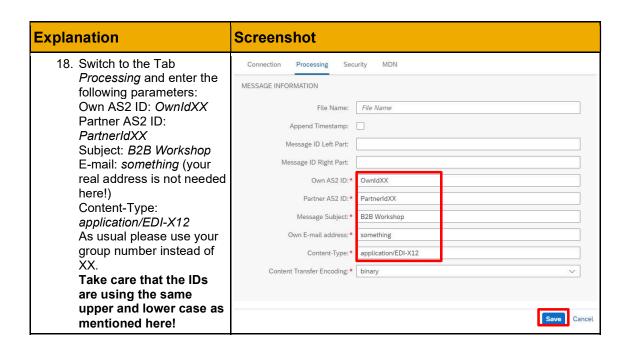






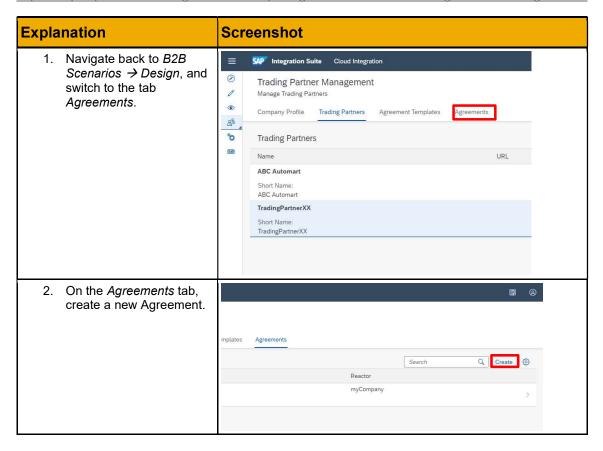


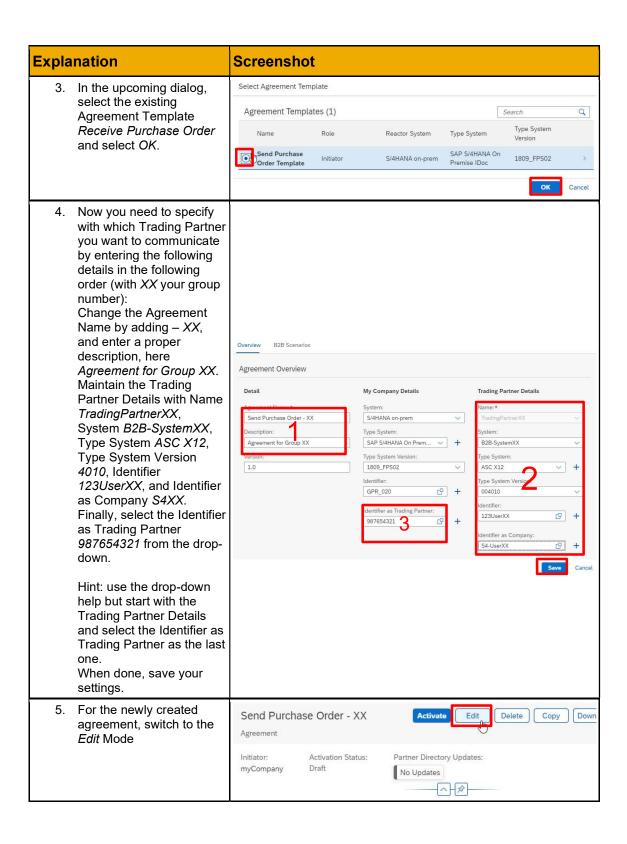


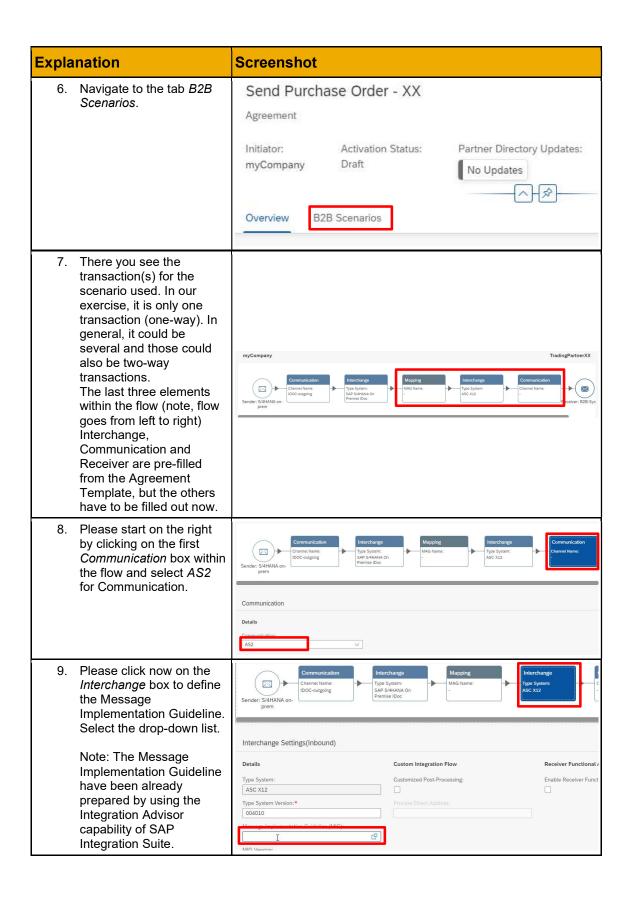


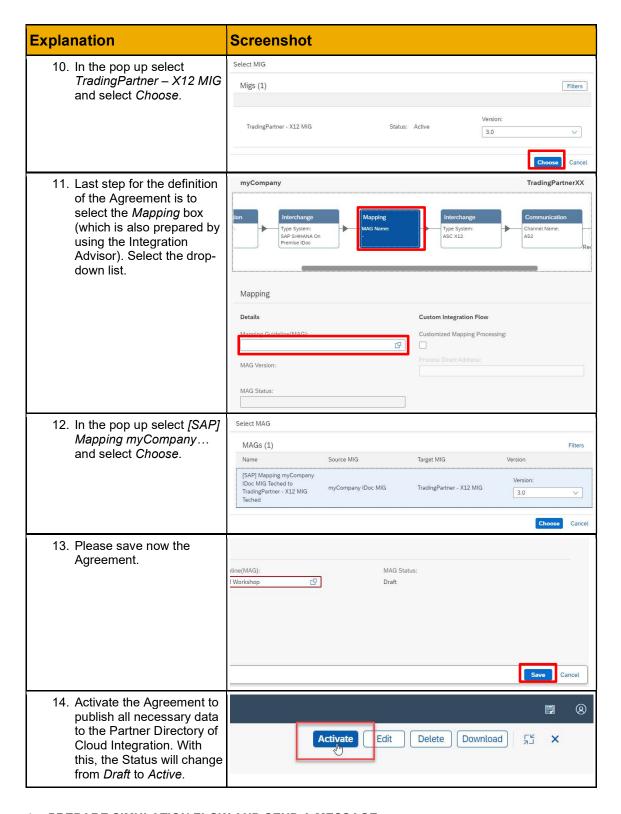
#### 3. USE AGREEMENT TEMPLATE TO CREATE AN AGREEMENT

With the Agreement, you instantiate the agreement template where you need to fill out the details of the trading partners. TPM differentiates between IDs which will be used in the system of the company and IDs which are used in the X12 message. More information around these can be found in the documentation: https://help.sap.com/docs/integration-suite/sap-integration-suite/understanding-identifiers-in-agreement



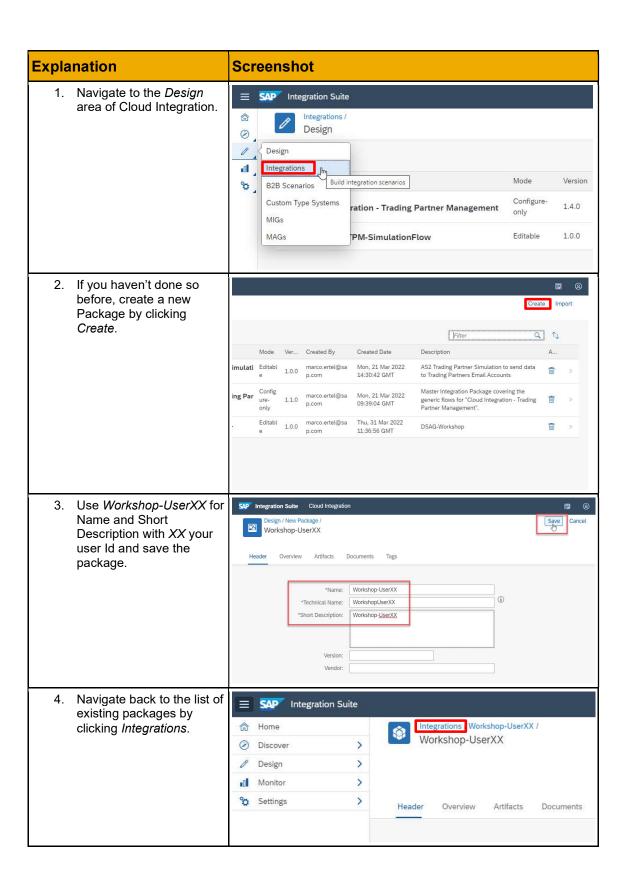


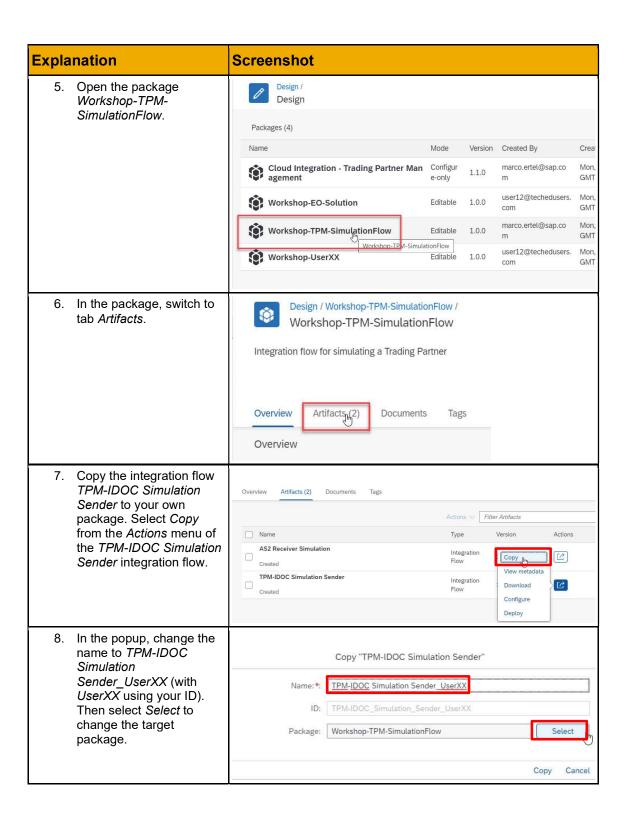


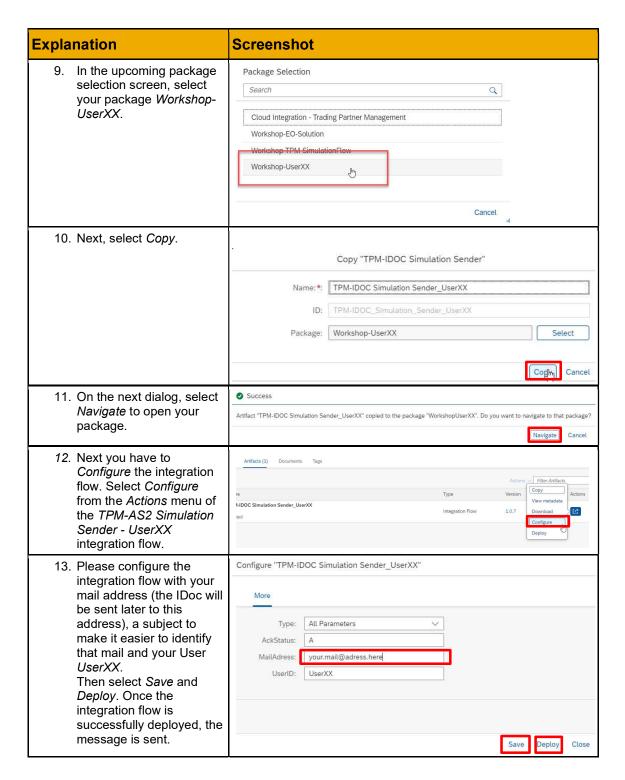


# 4. PREPARE SIMULATION FLOW AND SEND A MESSAGE

As we have defined that our Trading Partner will send an EDIFACT Orders using the AS2 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 EDIFACT message is send as soon as the integration flow is deployed.

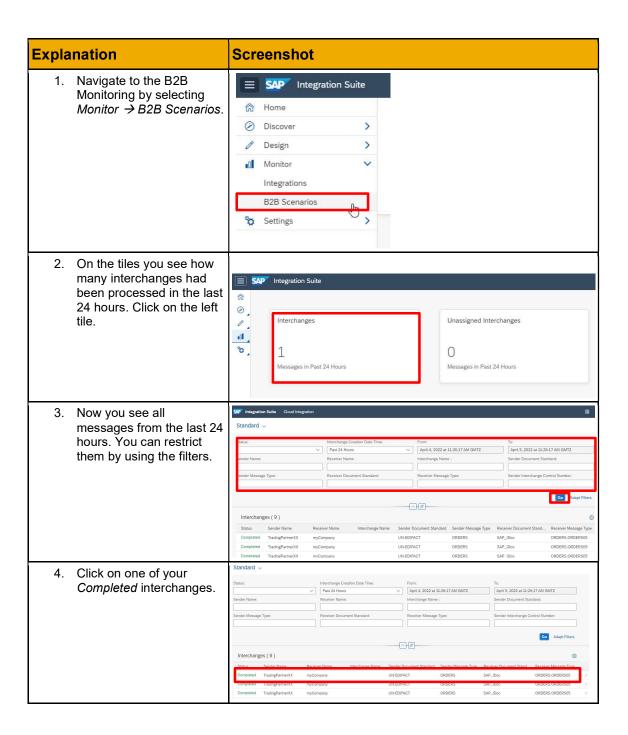


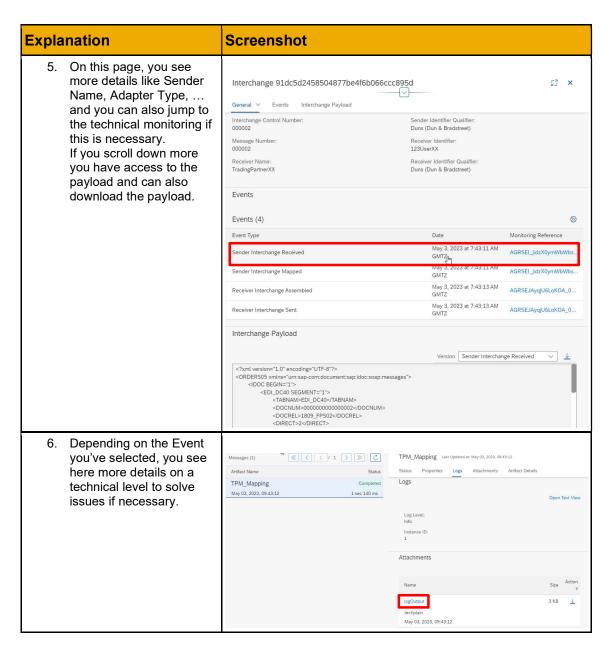




## 5. MONITOR THE SCENARIO

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

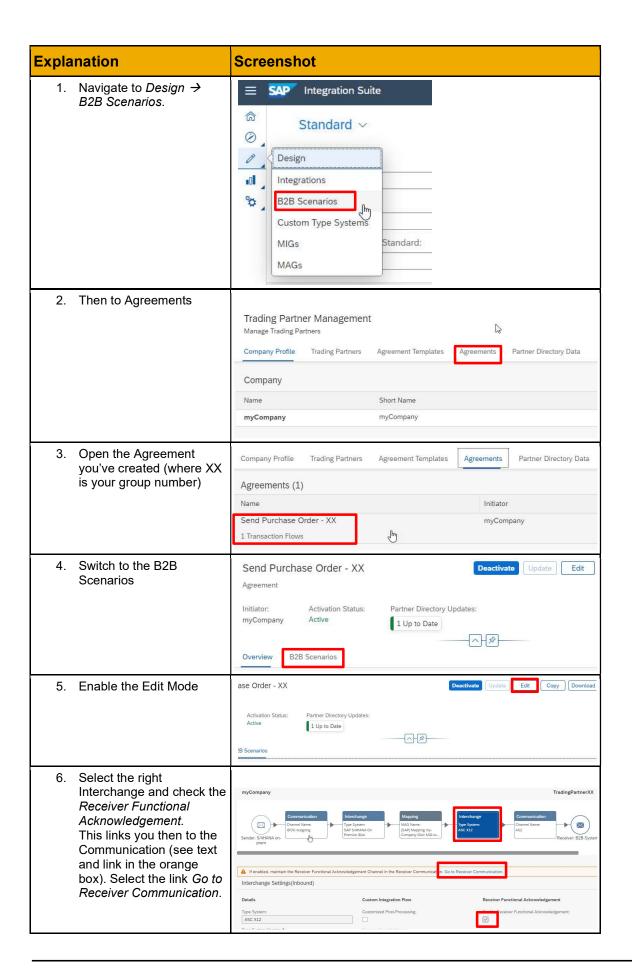


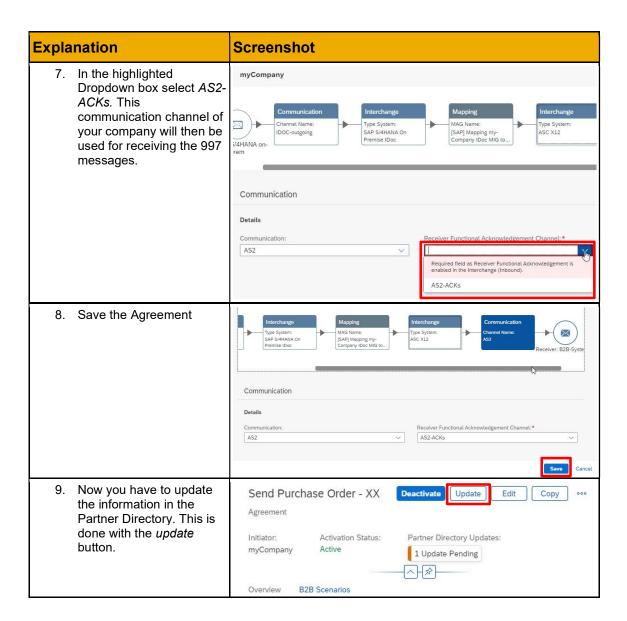


Congrats, you have successfully completed the first part exercise.

## 6. OPTIONAL: ENABLE FUNCTIONAL ACKNOWLEDGMENT MESSAGES

As the Trading Partner might send Functional Acknowledgment messages (997) to give feedback if the message has been accepted (or only partial or maybe completely rejected) you have to configure this in the Agreement:





# 7. OPTIONAL: SEND MESSAGE WITH ACCEPTED OR REJECTED ACKNOWLEDGMENTS

In this example you as the sender of the message can influence if the message will get an accepted or rejected functional acknowledgment. In real scenarios this is decided by your trading partner. To send a new message do the following:

