



Public

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

Exercise

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THE BEST RUN



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.

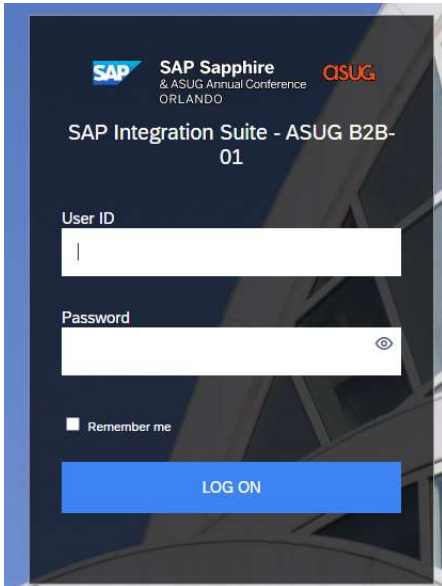
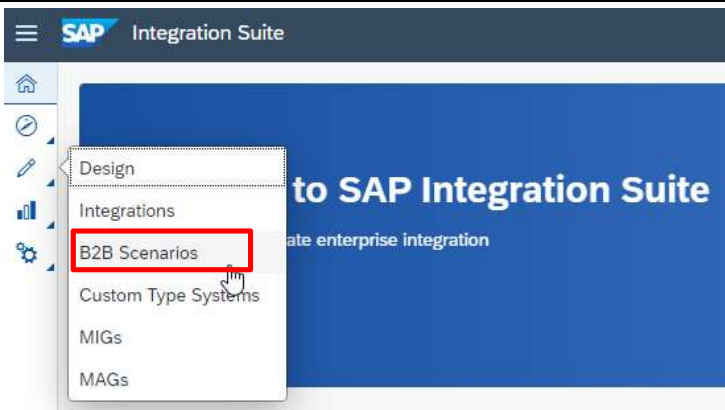
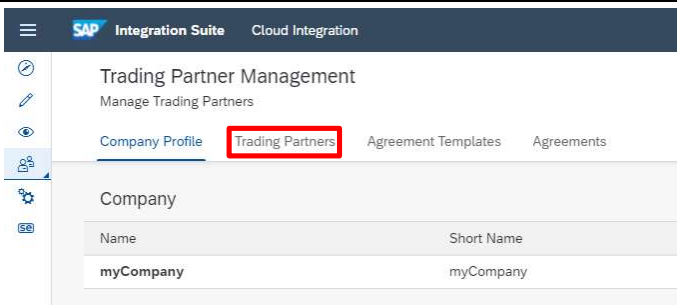
With the usage of the Integration Advisor, developing and documenting of the structures needed will be much easier and faster than before as the Integration Advisor is using a machine learning process on top of the knowledge base, which contains the knowledge of all already implemented integrations and 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.

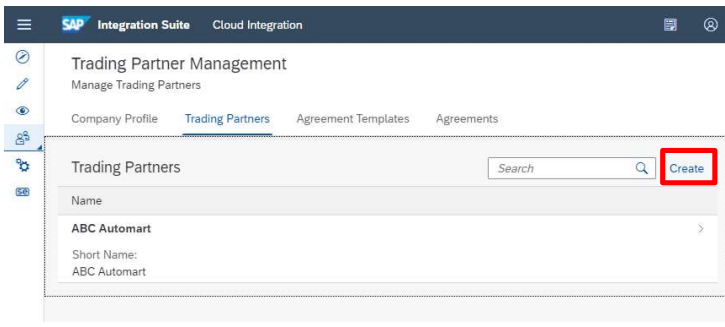
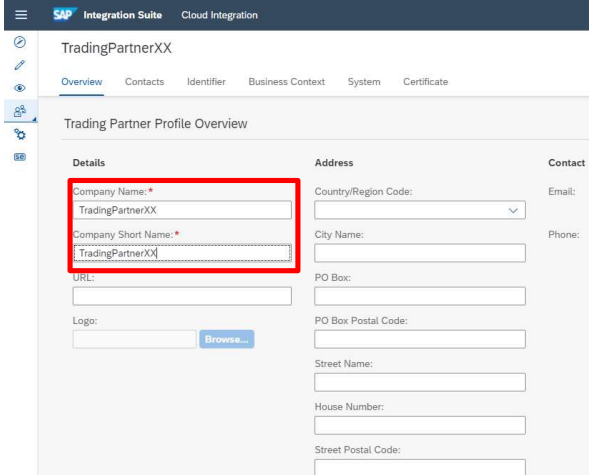

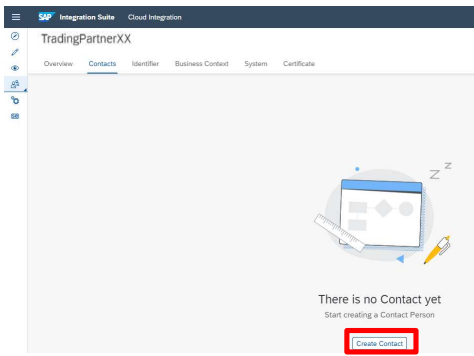
You will enter all necessary data for the trading partner which you will onboard, create an Agreement out of the already prepared Agreement Template.

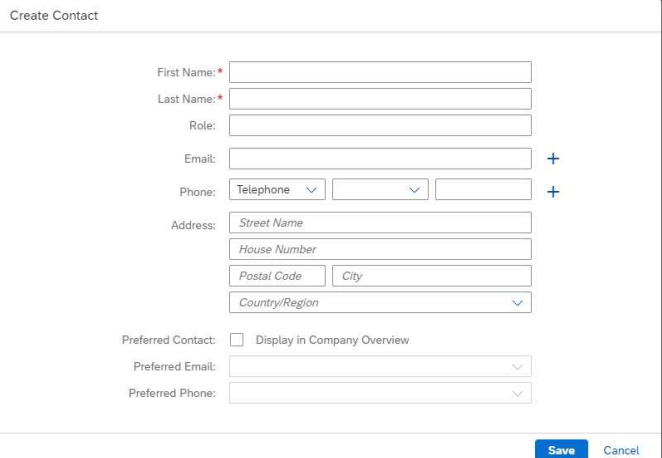
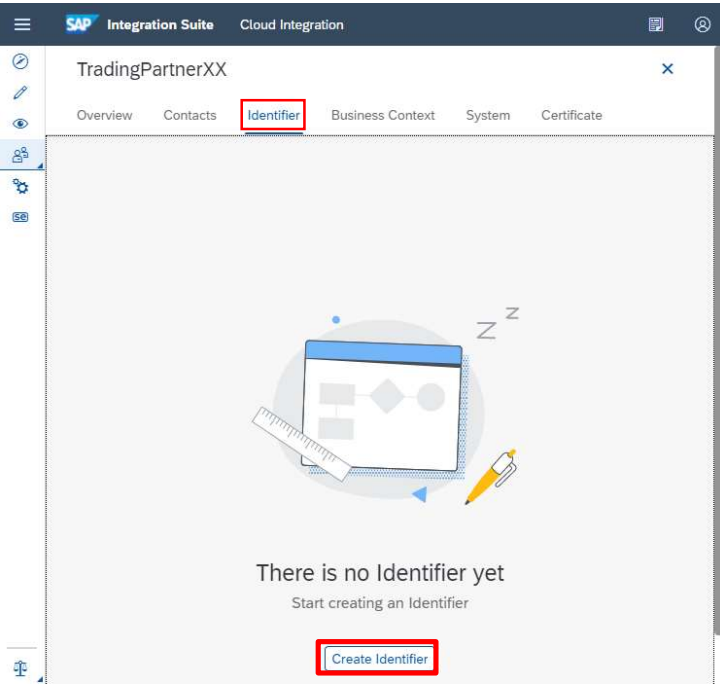
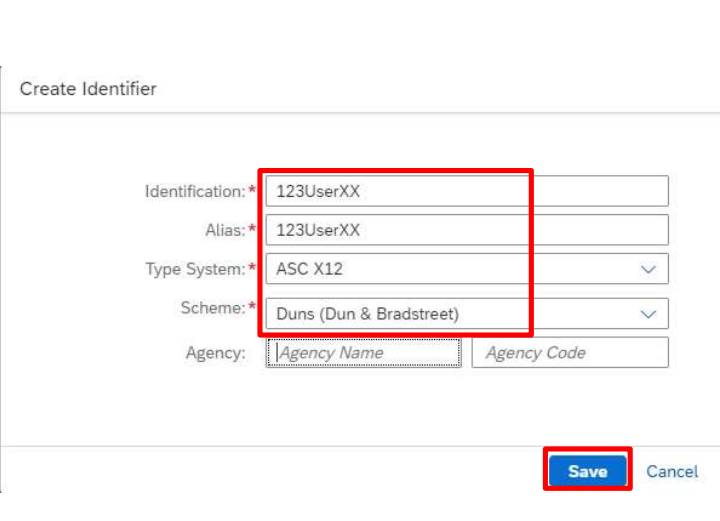
2. CREATE NEW TRADING PARTNER

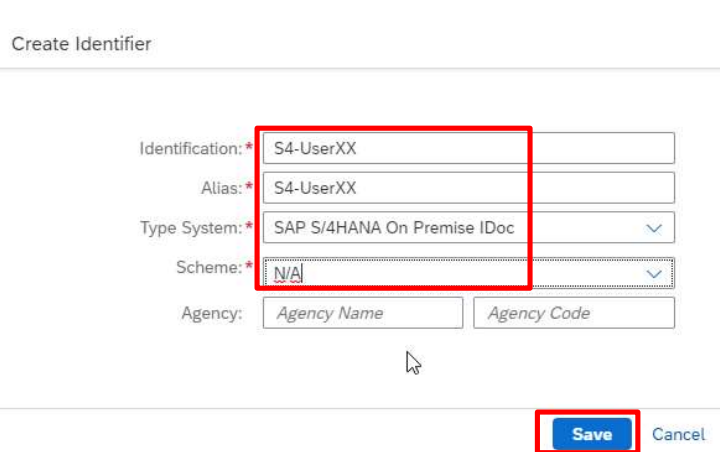
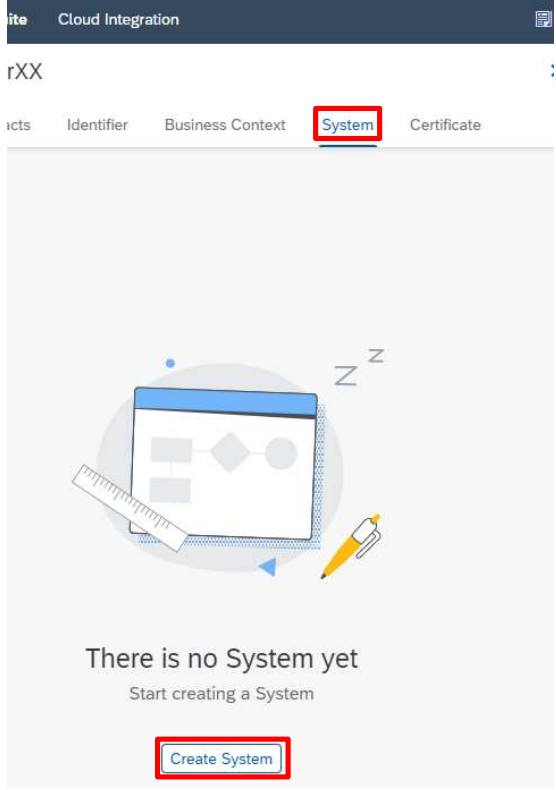
Tenant: <https://asug-b2b-01.integrationsuite.cfapps.us10-002.hana.ondemand.com/>

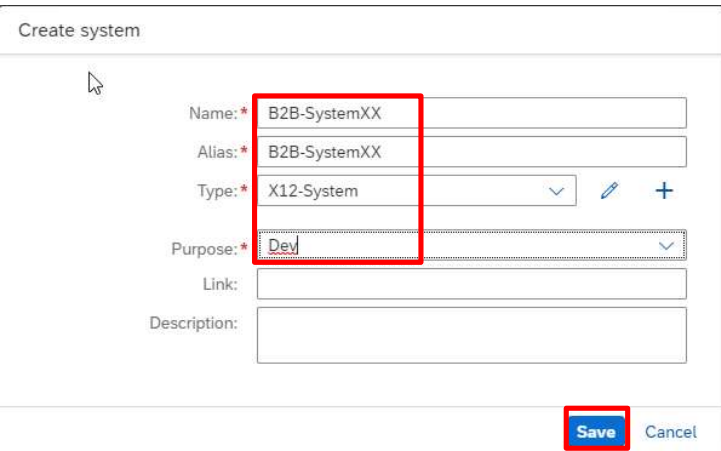
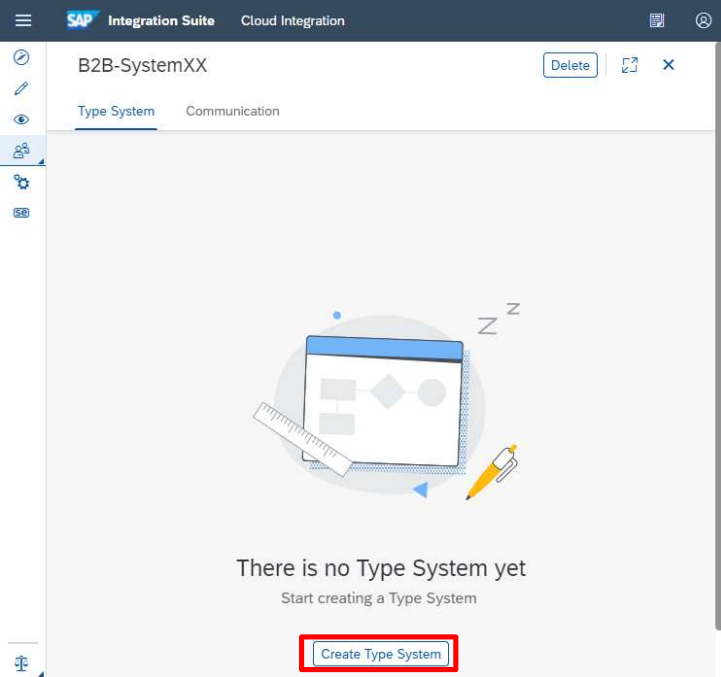

User/Password: UserXX/Welcome1

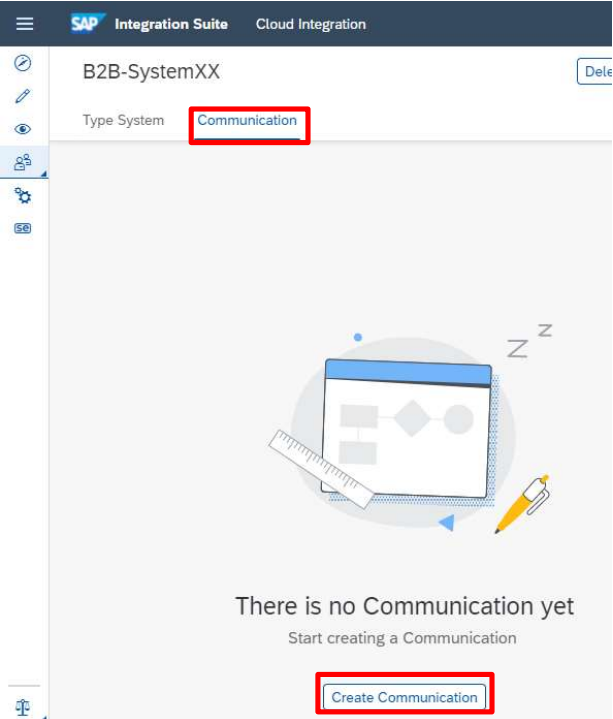
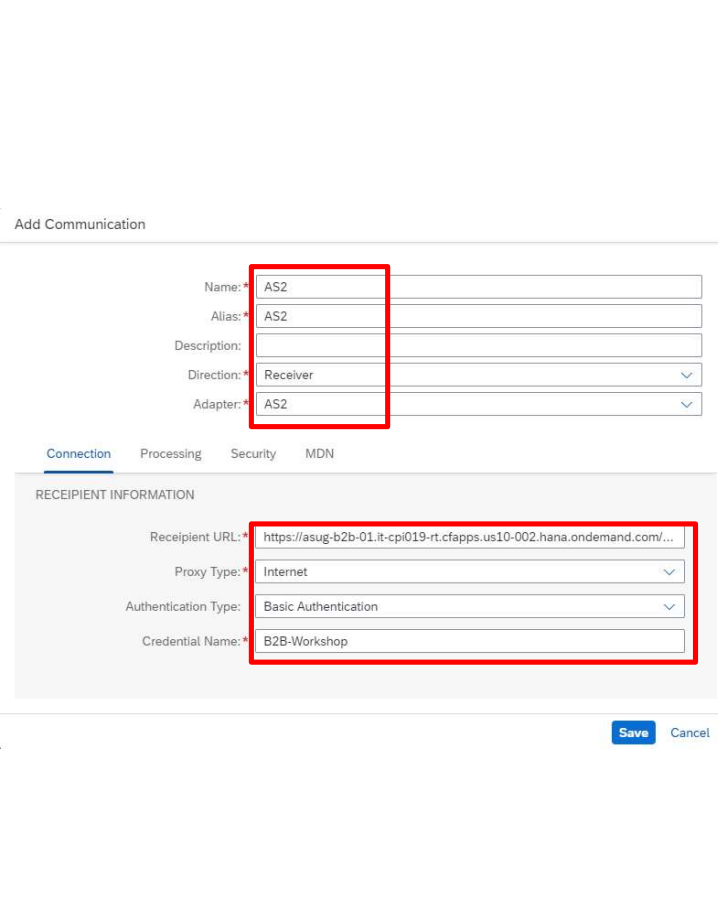
Explanation	Screenshot
1. Log on to the Integration Suite tenant with your system details provided to you by the instructors.	
2. Navigate to <i>Design</i> and select <i>B2B Scenarios</i> .	
3. As you want to onboard a new Trading Partner switch to the tab <i>Trading Partners</i> .	

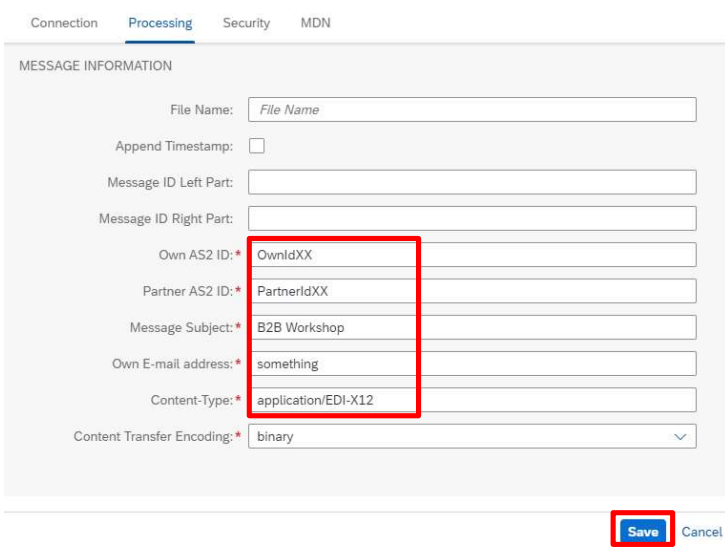
Explanation	Screenshot
4. Select <i>Create</i> to create a new Trading Partner.	 <p>The screenshot shows the 'Trading Partner Management' interface. At the top, there are tabs for 'Company Profile', 'Trading Partners', 'Agreement Templates', and 'Agreements'. Below these, there is a search bar and a 'Create' button, which is highlighted with a red box. The main area displays a list of trading partners, with 'ABC Automart' shown as an example.</p>
5. On the following screen, you need to maintain general data for the new trading partner as follows: Company Name: <i>TradingPartnerXX</i> (with XX your group number) Company Short Name: <i>TradingPartnerXX</i> (with XX your group number) All the other fields are optional.	 <p>The screenshot shows the 'Trading Partner Profile Overview' for 'TradingPartnerXX'. The 'Details' section contains fields for 'Company Name' and 'Company Short Name', both of which are highlighted with a red box. Other fields include 'Country/Region Code', 'City Name', 'PO Box', 'PO Box Postal Code', 'Street Name', 'House Number', and 'Street Postal Code'. The 'Contact' section has fields for 'Email' and 'Phone'.</p>
6. Please save the newly created Trading Partner.	 <p>The screenshot shows the bottom of the 'Trading Partner Profile Overview' form. It includes fields for 'House Number' and 'Street Postal Code'. At the bottom right, there are 'Save' and 'Cancel' buttons, with the 'Save' button highlighted by a red box.</p>
7. Switch to the <i>Contacts</i> tab and select <i>Create Contact</i> .	 <p>The screenshot shows the 'Trading Partner Profile Overview' for 'TradingPartnerXX' with the 'Contacts' tab selected. The main area displays a message: 'There is no Contact yet. Start creating a Contact Person.' Below this message, there is a 'Create Contact' button, which is highlighted with a red box.</p>

Explanation	Screenshot
<p>8. On the <i>Contacts</i> tab, you can optionally add names and details of persons which are responsible on the Trading Partner side.</p>	
<p>9. Navigate to the tab <i>Identifier</i> and select <i>Create Identifier</i>.</p>	
<p>10. Every Trading Partner needs at least two identifiers, one which is used in the X12 exchange and a second which is used in the S/4 System. Maintain the first identifier as follows: Use Identification 123UserXX (with XX your group number), use the same for the alias, select Type System ASC X12, and Scheme Duns, then save the new identifier.</p>	

Explanation	Screenshot
<p>11. Maintain the second identifier as follows: Use Identification <i>S4-UserXX</i> (with <i>XX</i> your group number), use the same for Alias, select Type <i>System SAP S/4HANA on Premise IDoc</i>, and Scheme <i>N/A</i>, then save the new identifier.</p>	
<p>12. The Business Context is at the moment optional, but we need to create a system where the supported type system and communication details have to be maintained. Navigate to the tab <i>System</i> and select <i>Create System</i>.</p>	

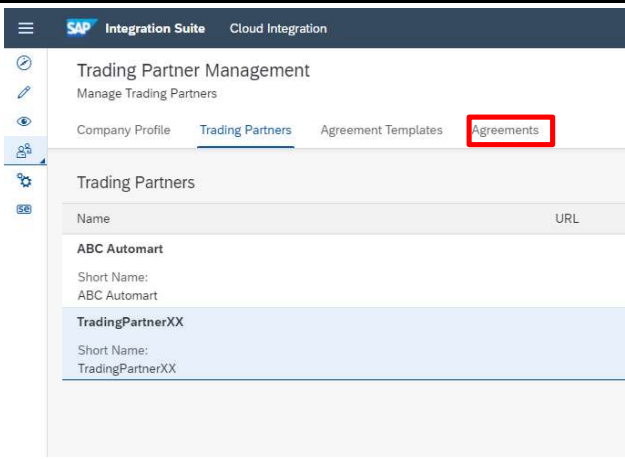
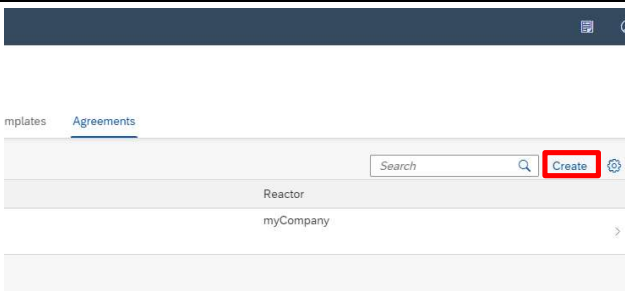
Explanation	Screenshot
<p>13. Please add the following Details: Name <i>B2B-SystemXX</i> (with XX your group number), use the same for Alias select <i>X12-System</i>, Purpose <i>Dev</i> and save the new system.</p>	
<p>14. Select the beforehand created system to create the supported type system. On tab <i>Type System</i>, select <i>Create Type System</i>.</p>	
<p>15. Use ASC X12 and Version 4010, then save the new Type System.</p>	

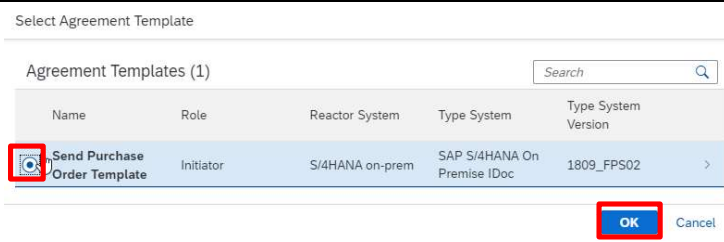
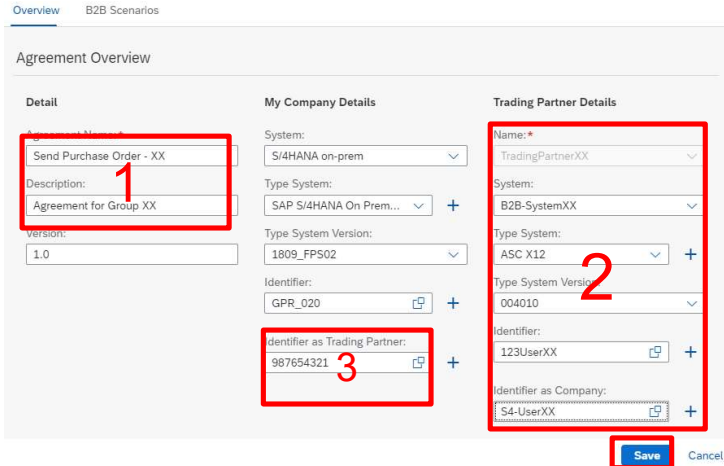
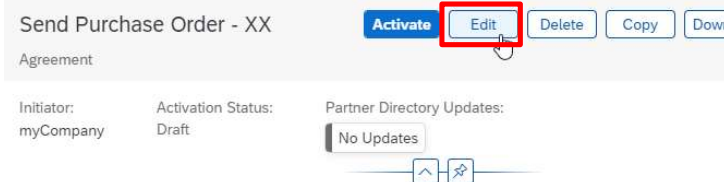
Explanation	Screenshot
<p>16. Next, you need to maintain the communication details. Switch to tab <i>Communication</i> and select <i>Create Communication</i>.</p>	
<p>17. As this Trading Partner will receive its Purchase Orders with the AS2 protocol, you need to create an AS2 Receiver. As the generic integration flow needs more details to know where the system of the trading partner is and how to reach it please enter the following parameters:</p> <p>Name: AS2 Alias:AS2 Direction: <i>Receiver</i> Adapter: AS2 Recipient URL: https://asug-b2b-01.it-cpi019-rt.cfapps.us10-002.hana.ondemand.com/as2/as2 Proxy Type: <i>Internet</i> Auth Type: <i>Basic</i> Credential Name: <i>B2B-Workshop</i></p> <p>Be sure that you don't have any blanks in the url from copy and paste out of this document!</p>	

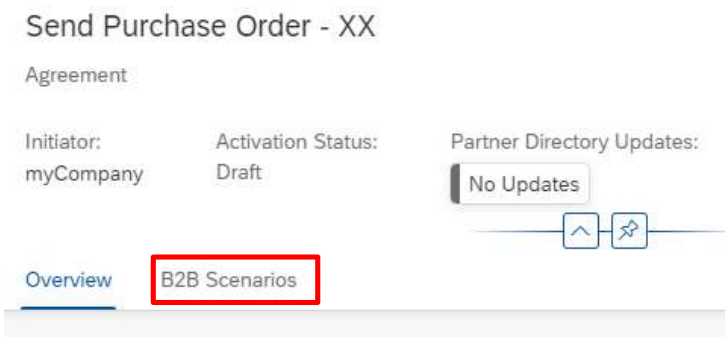

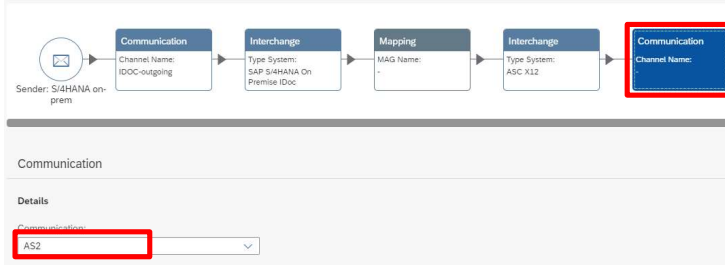
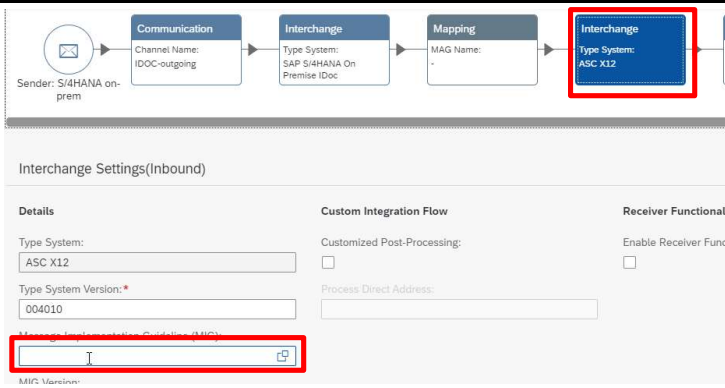
Explanation	Screenshot
<p>18. Switch to the Tab <i>Processing</i> and enter the following parameters: Own AS2 ID: <i>OwnIdXX</i> Partner AS2 ID: <i>PartnerIdXX</i> Subject: <i>B2B Workshop</i> E-mail: <i>something</i> (your real address is not needed here!) Content-Type: <i>application/EDI-X12</i> As usual please use your group number instead of XX. Take care that the IDs are using the same upper and lower case as mentioned here!</p>	

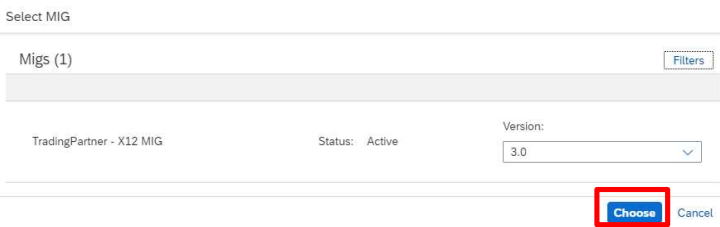
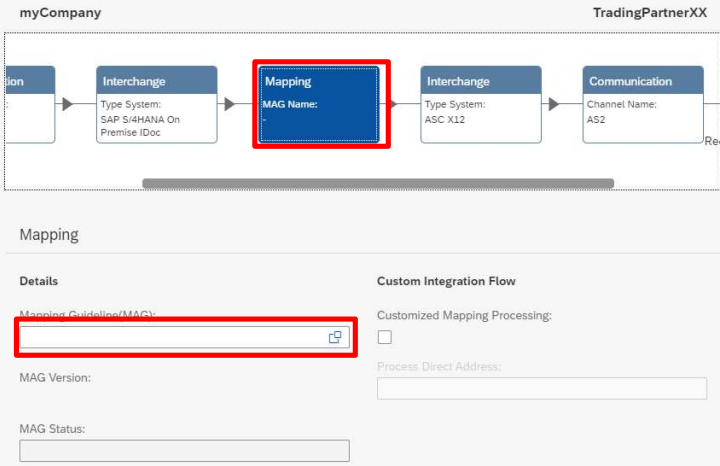
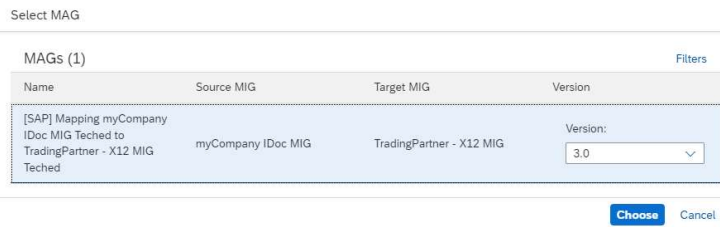
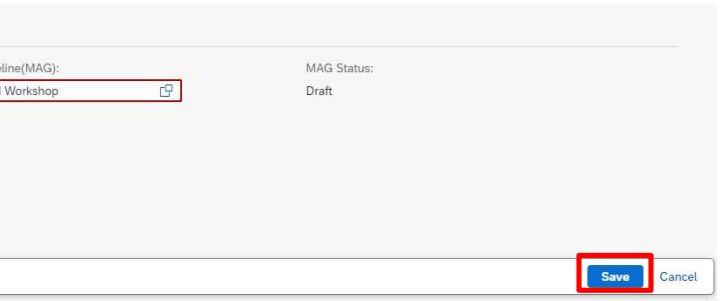
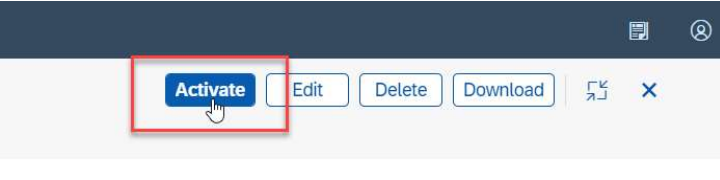
3. USE AGREEMENT TEMPLATE TO CREATE AN AGREEMENT

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>

Explanation	Screenshot
<p>1. Navigate back to <i>B2B Scenarios</i> → <i>Design</i>, and switch to the tab <i>Agreements</i>.</p>	
<p>2. On the <i>Agreements</i> tab, create a new Agreement.</p>	

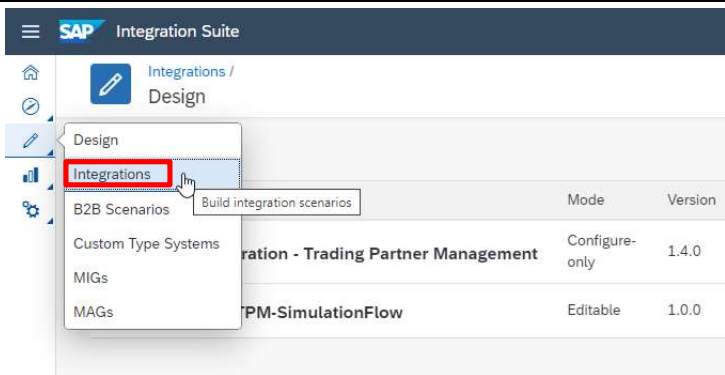
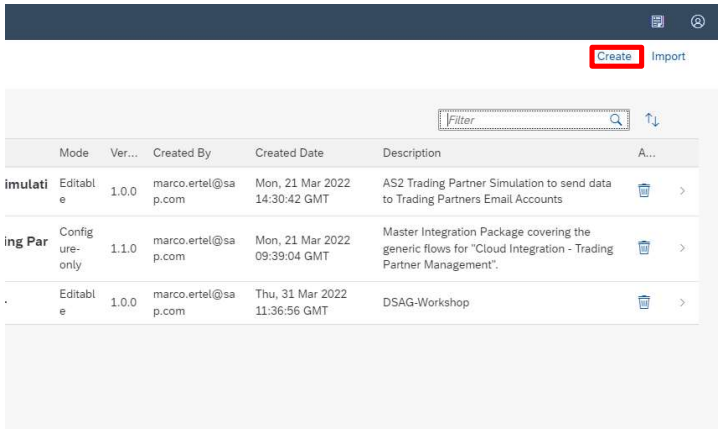
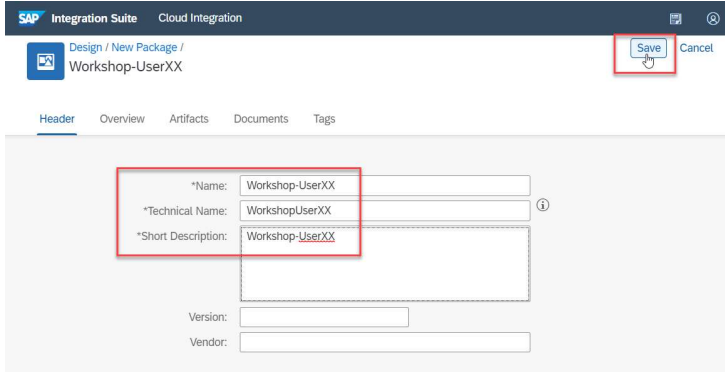
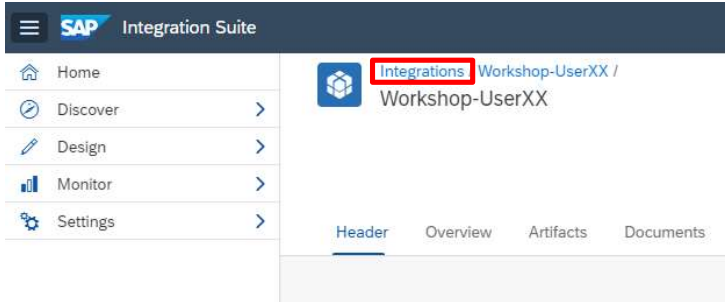
Explanation	Screenshot
<p>3. In the upcoming dialog, select the existing Agreement Template <i>Receive Purchase Order</i> and select <i>OK</i>.</p>	
<p>4. Now you need to specify with which Trading Partner you want to communicate by entering the following details in the following order (with XX your group number): Change the Agreement Name by adding – XX, and enter a proper description, here <i>Agreement for Group XX</i>. Maintain the Trading Partner Details with Name <i>TradingPartnerXX</i>, System <i>B2B-SystemXX</i>, Type System <i>ASC X12</i>, Type System Version <i>4010</i>, Identifier <i>123UserXX</i>, and Identifier as Company <i>S4XX</i>. Finally, select the Identifier as Trading Partner <i>987654321</i> from the drop-down.</p> <p>Hint: use the drop-down help but start with the Trading Partner Details and select the Identifier as Trading Partner as the last one. When done, save your settings.</p>	
<p>5. For the newly created agreement, switch to the <i>Edit Mode</i></p>	

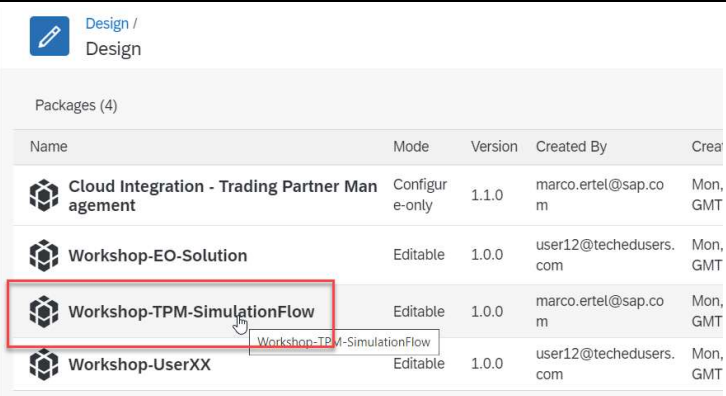
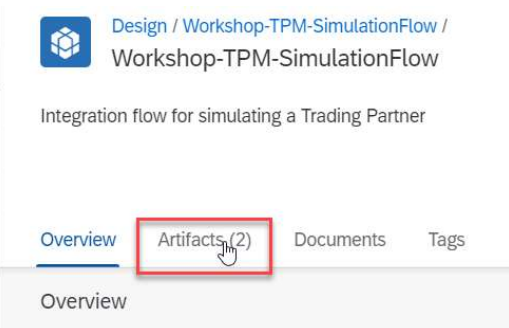
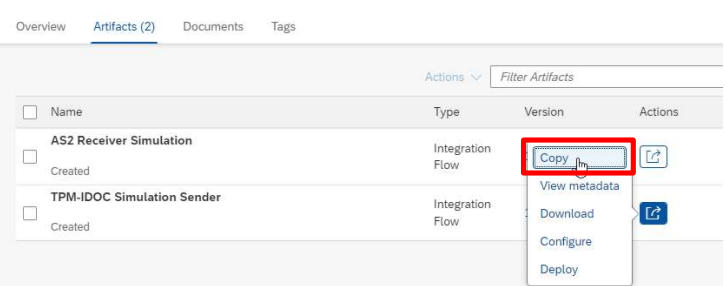
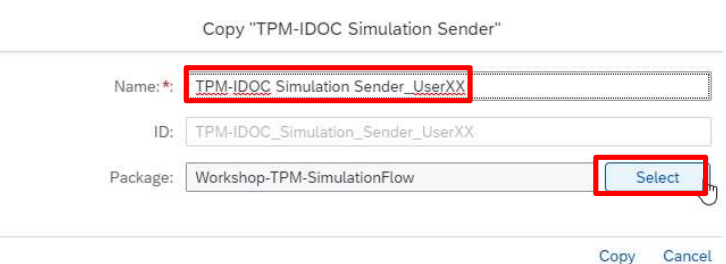
Explanation	Screenshot
6. Navigate to the tab <i>B2B Scenarios</i> .	
7. There you see the transaction(s) for the scenario used. In our exercise, it is only one transaction (one-way). In general, it could be several and those could also be two-way transactions. The last three elements within the flow (note, flow goes from left to right) Interchange, Communication and Receiver are pre-filled from the Agreement Template, but the others have to be filled out now.	
8. Please start on the right by clicking on the first <i>Communication</i> box within the flow and select AS2 for Communication.	
9. Please click now on the <i>Interchange</i> box to define the Message Implementation Guideline. Select the drop-down list. Note: The Message Implementation Guideline have been already prepared by using the Integration Advisor capability of SAP Integration Suite.	

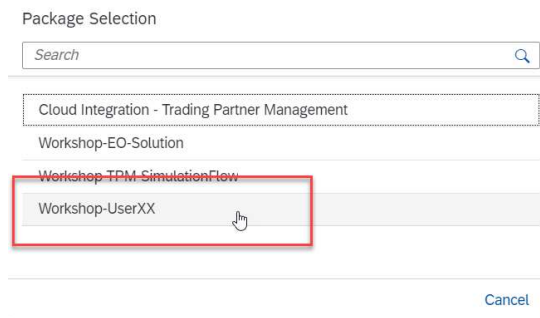
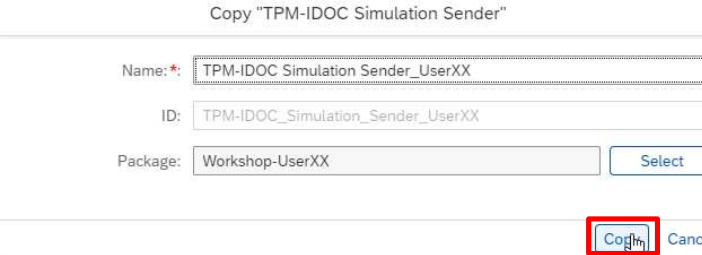
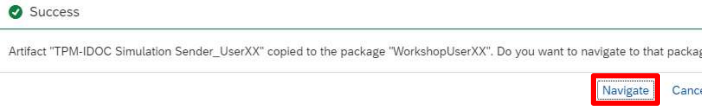
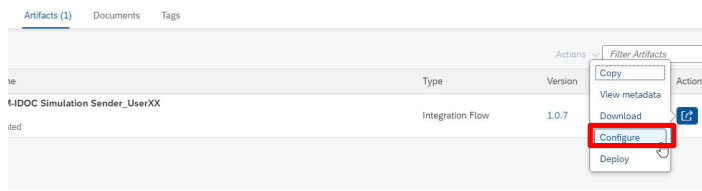
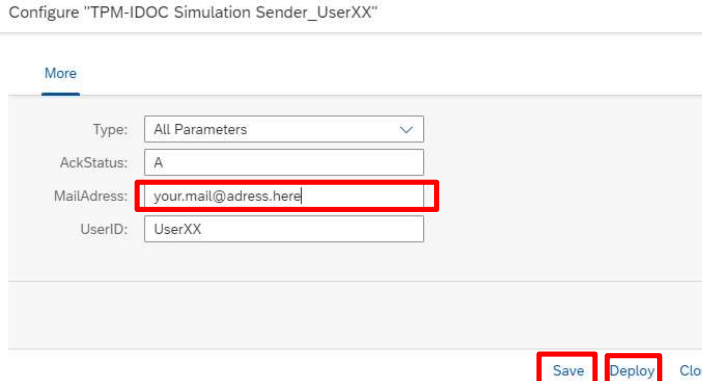
Explanation	Screenshot
10. In the pop up select <i>TradingPartner – X12 MIG</i> and select <i>Choose</i> .	
11. Last step for the definition of the Agreement is to select the <i>Mapping</i> box (which is also prepared by using the Integration Advisor). Select the drop-down list.	
12. In the pop up select <i>[SAP] Mapping myCompany...</i> and select <i>Choose</i> .	
13. Please save now the Agreement.	
14. Activate the Agreement to publish all necessary data to the Partner Directory of Cloud Integration. With this, the Status will change from <i>Draft</i> to <i>Active</i> .	

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.

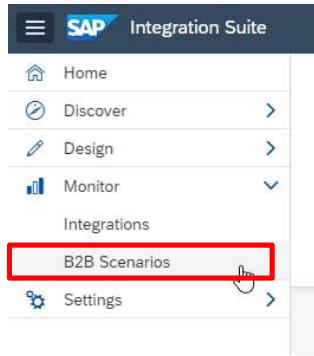
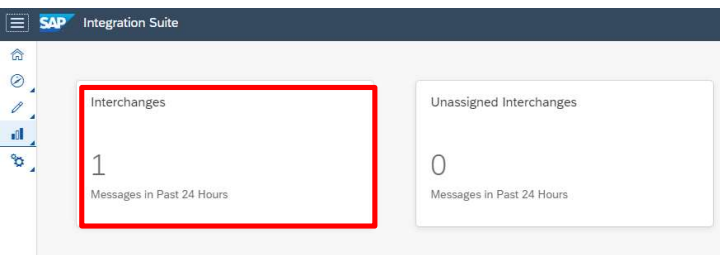
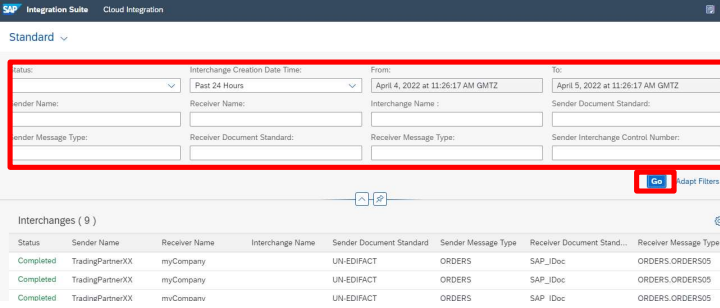
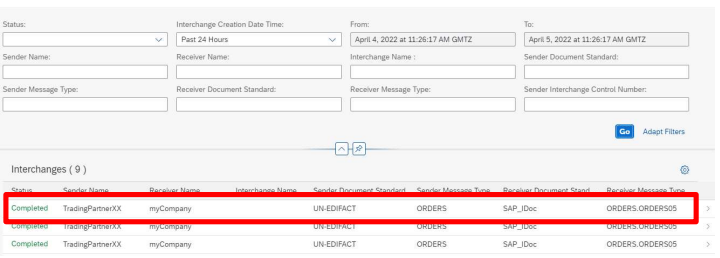
Explanation	Screenshot																											
1. Navigate to the <i>Design</i> area of Cloud Integration.																												
2. If you haven't done so before, create a new Package by clicking <i>Create</i> .	 <table><tr><th>Mode</th><th>Ver...</th><th>Created By</th><th>Created Date</th><th>Description</th><th>A...</th></tr><tr><td>imulati</td><td>Editabl e</td><td>1.0.0</td><td>marco.ertel@sa p.com</td><td>Mon, 21 Mar 2022 14:30:42 GMT</td><td>AS2 Trading Partner Simulation to send data to Trading Partners Email Accounts</td><td> </td></tr><tr><td>ing Par</td><td>Config ure- only</td><td>1.1.0</td><td>marco.ertel@sa p.com</td><td>Mon, 21 Mar 2022 09:39:04 GMT</td><td>Master Integration Package covering the generic flows for "Cloud Integration - Trading Partner Management".</td><td> </td></tr><tr><td></td><td>Editabl e</td><td>1.0.0</td><td>marco.ertel@sa p.com</td><td>Thu, 31 Mar 2022 11:36:56 GMT</td><td>DSAG-Workshop</td><td> </td></tr></table>	Mode	Ver...	Created By	Created Date	Description	A...	imulati	Editabl e	1.0.0	marco.ertel@sa p.com	Mon, 21 Mar 2022 14:30:42 GMT	AS2 Trading Partner Simulation to send data to Trading Partners Email Accounts		ing Par	Config ure- only	1.1.0	marco.ertel@sa p.com	Mon, 21 Mar 2022 09:39:04 GMT	Master Integration Package covering the generic flows for "Cloud Integration - Trading Partner Management".			Editabl e	1.0.0	marco.ertel@sa p.com	Thu, 31 Mar 2022 11:36:56 GMT	DSAG-Workshop	
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3. Use <i>Workshop-UserXX</i> for Name and Short Description with XX your user Id and save the package.																												
4. Navigate back to the list of existing packages by clicking <i>Integrations</i> .																												

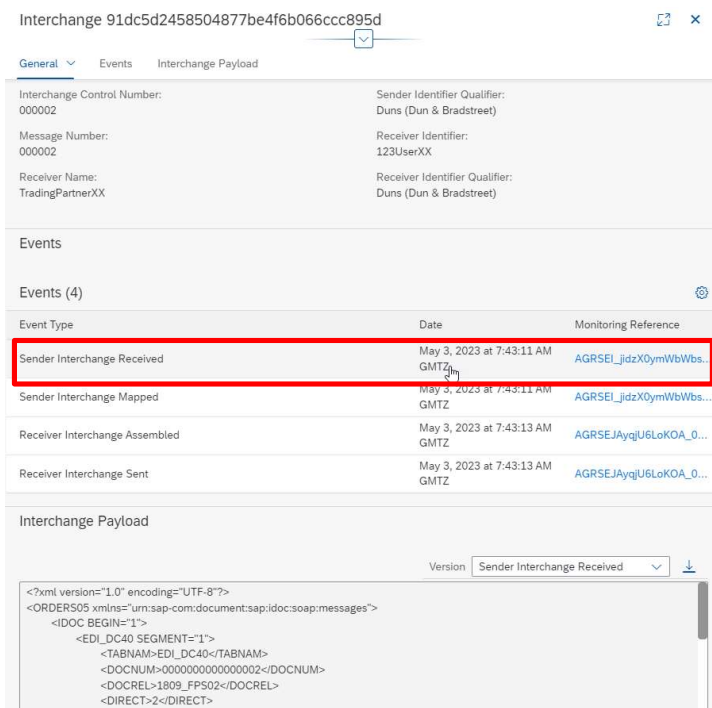
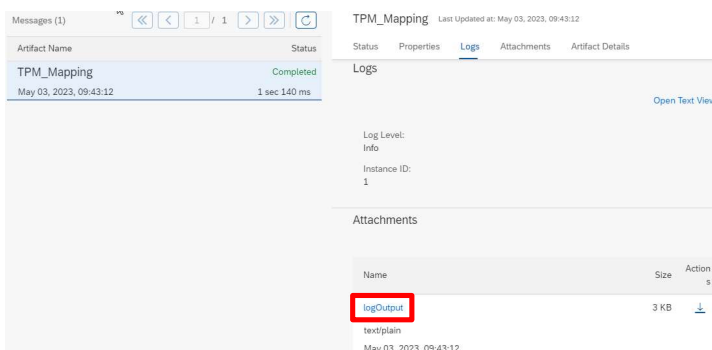
Explanation	Screenshot																									
5. Open the package <i>Workshop-TPM-SimulationFlow</i> .	 <p>Design / Design</p> <p>Packages (4)</p> <table><thead><tr><th>Name</th><th>Mode</th><th>Version</th><th>Created By</th><th>Created</th></tr></thead><tbody><tr><td>Cloud Integration - Trading Partner Management</td><td>Configure-only</td><td>1.1.0</td><td>marco.ertel@sap.com</td><td>Mon, GMT</td></tr><tr><td>Workshop-EO-Solution</td><td>Editable</td><td>1.0.0</td><td>user12@techedusers.com</td><td>Mon, GMT</td></tr><tr><td>Workshop-TPM-SimulationFlow</td><td>Editable</td><td>1.0.0</td><td>marco.ertel@sap.com</td><td>Mon, GMT</td></tr><tr><td>Workshop-UserXX</td><td>Editable</td><td>1.0.0</td><td>user12@techedusers.com</td><td>Mon, GMT</td></tr></tbody></table>	Name	Mode	Version	Created By	Created	Cloud Integration - Trading Partner Management	Configure-only	1.1.0	marco.ertel@sap.com	Mon, GMT	Workshop-EO-Solution	Editable	1.0.0	user12@techedusers.com	Mon, GMT	Workshop-TPM-SimulationFlow	Editable	1.0.0	marco.ertel@sap.com	Mon, GMT	Workshop-UserXX	Editable	1.0.0	user12@techedusers.com	Mon, GMT
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Workshop-UserXX	Editable	1.0.0	user12@techedusers.com	Mon, GMT																						
6. In the package, switch to tab <i>Artifacts</i> .	 <p>Design / Workshop-TPM-SimulationFlow / Workshop-TPM-SimulationFlow</p> <p>Integration flow for simulating a Trading Partner</p> <p>Overview Artifacts (2) Documents Tags</p> <p>Overview</p>																									
7. Copy the integration flow <i>TPM-IDOC Simulation Sender</i> to your own package. Select <i>Copy</i> from the <i>Actions</i> menu of the <i>TPM-IDOC Simulation Sender</i> integration flow.	 <p>Overview Artifacts (2) Documents Tags</p> <p>Actions Filter Artifacts</p> <table><thead><tr><th>Name</th><th>Type</th><th>Version</th><th>Actions</th></tr></thead><tbody><tr><td>AS2 Receiver Simulation</td><td>Integration Flow</td><td>Created</td><td>Copy View metadata</td></tr><tr><td>TPM-IDOC Simulation Sender</td><td>Integration Flow</td><td>Created</td><td>Download Configure Deploy</td></tr></tbody></table>	Name	Type	Version	Actions	AS2 Receiver Simulation	Integration Flow	Created	Copy View metadata	TPM-IDOC Simulation Sender	Integration Flow	Created	Download Configure Deploy													
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TPM-IDOC Simulation Sender	Integration Flow	Created	Download Configure Deploy																							
8. In the popup, change the name to <i>TPM-IDOC Simulation Sender_UserXX</i> (with <i>UserXX</i> using your ID). Then select <i>Select</i> to change the target package.	 <p>Copy "TPM-IDOC Simulation Sender"</p> <p>Name: * TPM-IDOC Simulation Sender_UserXX</p> <p>ID: TPM-IDOC_Simulation_Sender_UserXX</p> <p>Package: Workshop-TPM-SimulationFlow Select</p> <p>Copy Cancel</p>																									

Explanation	Screenshot
9. In the upcoming package selection screen, select your package <i>Workshop-UserXX</i> .	
10. Next, select <i>Copy</i> .	
11. On the next dialog, select <i>Navigate</i> to open your package.	
12. Next you have to <i>Configure</i> the integration flow. Select <i>Configure</i> from the <i>Actions</i> menu of the <i>TPM-AS2 Simulation Sender - UserXX</i> integration flow.	
13. Please configure the integration flow with your mail address (the IDoc will be sent later to this address), a subject to make it easier to identify that mail and your User <i>UserXX</i> . Then select <i>Save</i> and <i>Deploy</i> . Once the integration flow is successfully deployed, the message is sent.	

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.

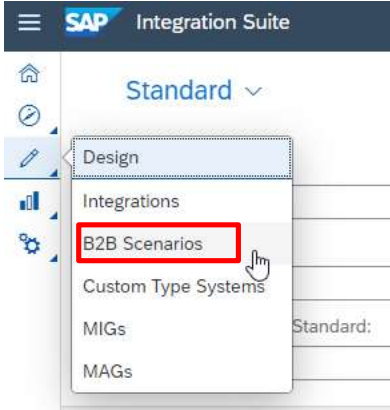
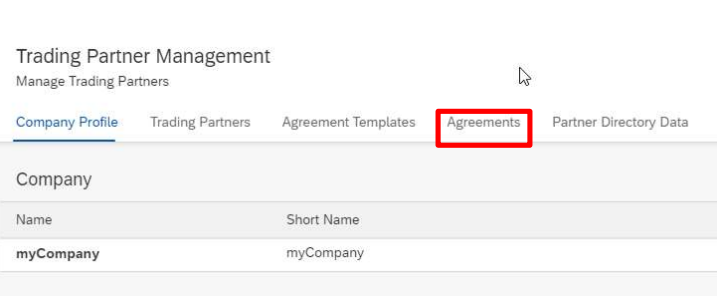

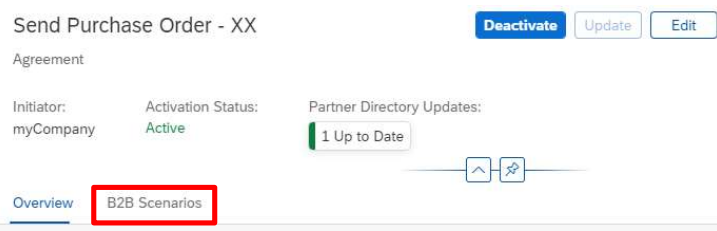

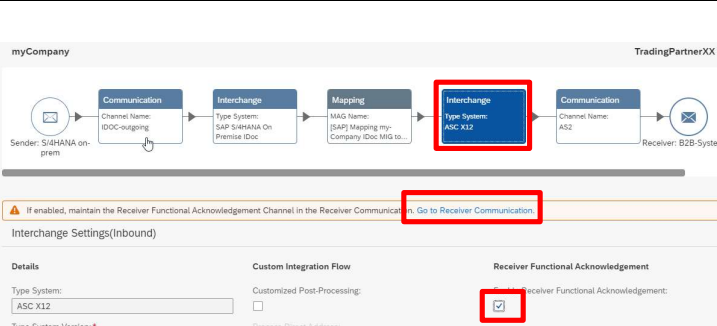
Explanation	Screenshot																																
1. Navigate to the B2B Monitoring by selecting <i>Monitor</i> → <i>B2B Scenarios</i> .																																	
2. On the tiles you see how many interchanges had been processed in the last 24 hours. Click on the left tile.																																	
3. Now you see all messages from the last 24 hours. You can restrict them by using the filters.	 <table><tr><th>Status</th><th>Sender Name</th><th>Receiver Name</th><th>Interchange Name</th><th>Sender Document Standard</th><th>Sender Message Type</th><th>Receiver Document Stand...</th><th>Receiver Message Type</th></tr><tr><td>Completed</td><td>TradingPartnerXX</td><td>myCompany</td><td></td><td>UN-EDIFACT</td><td>ORDERS</td><td>SAP_IDoc</td><td>ORDERS.ORDERS05</td></tr><tr><td>Completed</td><td>TradingPartnerXX</td><td>myCompany</td><td></td><td>UN-EDIFACT</td><td>ORDERS</td><td>SAP_IDoc</td><td>ORDERS.ORDERS05</td></tr><tr><td>Completed</td><td>TradingPartnerXX</td><td>myCompany</td><td></td><td>UN-EDIFACT</td><td>ORDERS</td><td>SAP_IDoc</td><td>ORDERS.ORDERS05</td></tr></table>	Status	Sender Name	Receiver Name	Interchange Name	Sender Document Standard	Sender Message Type	Receiver Document Stand...	Receiver Message Type	Completed	TradingPartnerXX	myCompany		UN-EDIFACT	ORDERS	SAP_IDoc	ORDERS.ORDERS05	Completed	TradingPartnerXX	myCompany		UN-EDIFACT	ORDERS	SAP_IDoc	ORDERS.ORDERS05	Completed	TradingPartnerXX	myCompany		UN-EDIFACT	ORDERS	SAP_IDoc	ORDERS.ORDERS05
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4. Click on one of your <i>Completed</i> interchanges.	 <table><tr><th>Status</th><th>Sender Name</th><th>Receiver Name</th><th>Interchange Name</th><th>Sender Document Standard</th><th>Sender Message Type</th><th>Receiver Document Stand...</th><th>Receiver Message Type</th></tr><tr><td>Completed</td><td>TradingPartnerXX</td><td>myCompany</td><td></td><td>UN-EDIFACT</td><td>ORDERS</td><td>SAP_IDoc</td><td>ORDERS.ORDERS05</td></tr><tr><td>Completed</td><td>TradingPartnerXX</td><td>myCompany</td><td></td><td>UN-EDIFACT</td><td>ORDERS</td><td>SAP_IDoc</td><td>ORDERS.ORDERS05</td></tr><tr><td>Completed</td><td>TradingPartnerXX</td><td>myCompany</td><td></td><td>UN-EDIFACT</td><td>ORDERS</td><td>SAP_IDoc</td><td>ORDERS.ORDERS05</td></tr></table>	Status	Sender Name	Receiver Name	Interchange Name	Sender Document Standard	Sender Message Type	Receiver Document Stand...	Receiver Message Type	Completed	TradingPartnerXX	myCompany		UN-EDIFACT	ORDERS	SAP_IDoc	ORDERS.ORDERS05	Completed	TradingPartnerXX	myCompany		UN-EDIFACT	ORDERS	SAP_IDoc	ORDERS.ORDERS05	Completed	TradingPartnerXX	myCompany		UN-EDIFACT	ORDERS	SAP_IDoc	ORDERS.ORDERS05
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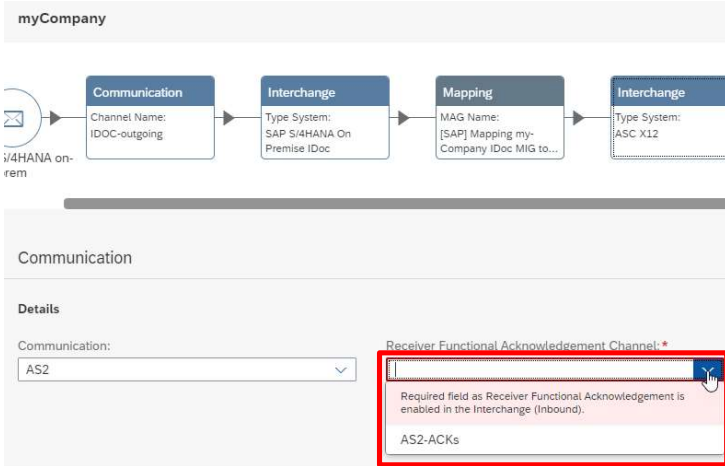
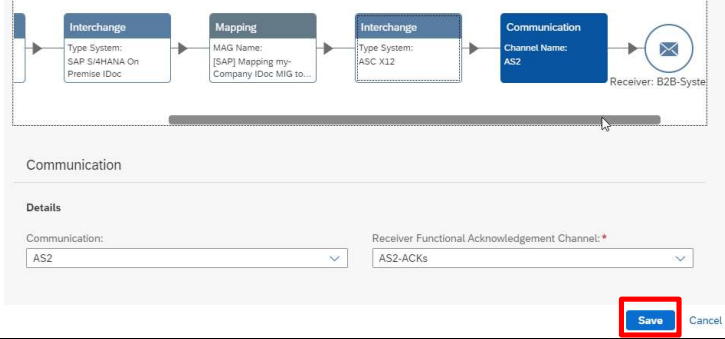
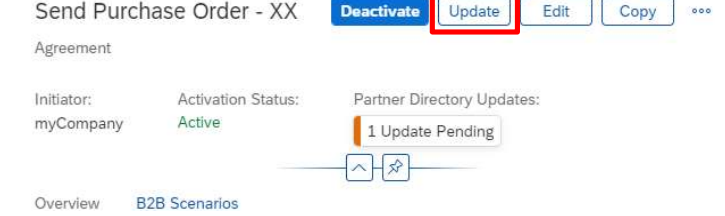
Explanation	Screenshot															
<p>5. On this page, you see more details like Sender Name, Adapter Type, ... and you can also jump to the technical monitoring if this is necessary. If you scroll down more you have access to the payload and can also download the payload.</p>	 <p>Interchange 91dc5d2458504877be4f6b066ccc895d</p> <p>General Events Interchange Payload</p> <p>Interchange Control Number: 000002 Sender Identifier Qualifier: Duns (Dun & Bradstreet)</p> <p>Message Number: 000002 Receiver Identifier: 123UserXX</p> <p>Receiver Name: TradingPartnerXX Receiver Identifier Qualifier: Duns (Dun & Bradstreet)</p> <p>Events</p> <p>Events (4)</p> <table><tr><th>Event Type</th><th>Date</th><th>Monitoring Reference</th></tr><tr><td>Sender Interchange Received</td><td>May 3, 2023 at 7:43:11 AM GMTZ</td><td>AGRSEI_jidzX0ymWbWbs...</td></tr><tr><td>Sender Interchange Mapped</td><td>May 3, 2023 at 7:43:11 AM GMTZ</td><td>AGRSEI_jidzX0ymWbWbs...</td></tr><tr><td>Receiver Interchange Assembled</td><td>May 3, 2023 at 7:43:13 AM GMTZ</td><td>AGRSEJJayqU6LoKOA_0...</td></tr><tr><td>Receiver Interchange Sent</td><td>May 3, 2023 at 7:43:13 AM GMTZ</td><td>AGRSEJJayqU6LoKOA_0...</td></tr></table> <p>Interchange Payload</p> <p>Version: Sender Interchange Received</p> <pre><?xml version="1.0" encoding="UTF-8"?> <ORDERS05 xmlns="urn:sap-com:document:sap:docx:soap:messages"> <IDOC BEGIN="1"> <EDI_DC40 SEGMENT="1"> <TABNAM>EDL_DC40</TABNAM> <DOCNUM>0000000000000002</DOCNUM> <DOCREL>1809_FPS02</DOCREL> <DIRECT>2</DIRECT> </EDI_DC40 SEGMENT="1"> </IDOC BEGIN="1"> </ORDERS05></pre>	Event Type	Date	Monitoring Reference	Sender Interchange Received	May 3, 2023 at 7:43:11 AM GMTZ	AGRSEI_jidzX0ymWbWbs...	Sender Interchange Mapped	May 3, 2023 at 7:43:11 AM GMTZ	AGRSEI_jidzX0ymWbWbs...	Receiver Interchange Assembled	May 3, 2023 at 7:43:13 AM GMTZ	AGRSEJJayqU6LoKOA_0...	Receiver Interchange Sent	May 3, 2023 at 7:43:13 AM GMTZ	AGRSEJJayqU6LoKOA_0...
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Receiver Interchange Sent	May 3, 2023 at 7:43:13 AM GMTZ	AGRSEJJayqU6LoKOA_0...														
<p>6. Depending on the Event you've selected, you see here more details on a technical level to solve issues if necessary.</p>	 <p>Messages (1)</p> <table><tr><th>Artifact Name</th><th>Status</th></tr><tr><td>TPM_Mapping</td><td>Completed</td></tr></table> <p>May 03, 2023, 09:43:12 1 sec 140 ms</p> <p>TPM_Mapping Last Updated at: May 03, 2023, 09:43:12</p> <p>Status Properties Logs Attachments Artifact Details</p> <p>Log Level: Info Instance ID: 1</p> <p>Attachments</p> <table><tr><th>Name</th><th>Size</th><th>Actions</th></tr><tr><td>logOutput</td><td>3 KB</td><td>Download</td></tr></table> <p>text/plain May 03, 2023, 09:43:12</p>	Artifact Name	Status	TPM_Mapping	Completed	Name	Size	Actions	logOutput	3 KB	Download					
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TPM_Mapping	Completed															
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logOutput	3 KB	Download														

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:

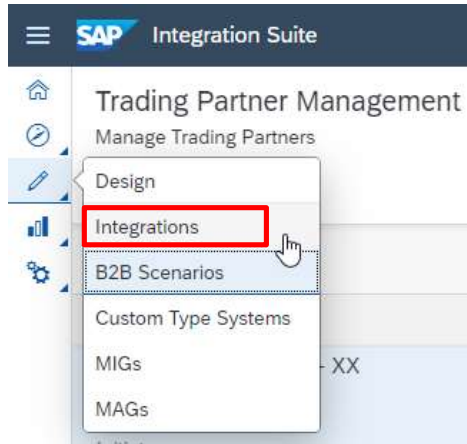
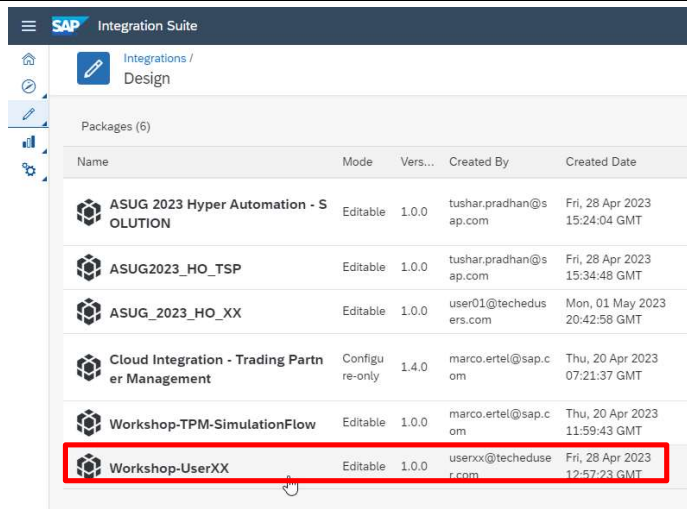
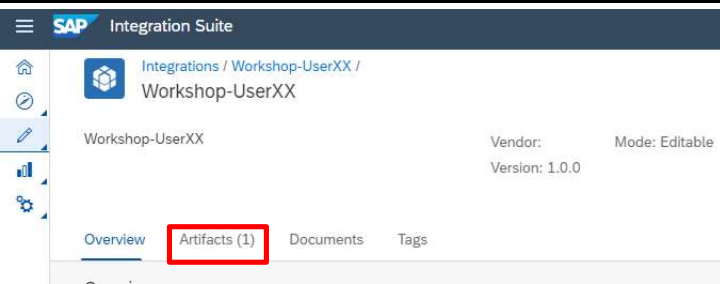
Explanation	Screenshot
1. Navigate to <i>Design</i> → <i>B2B Scenarios</i> .	
2. Then to Agreements	
3. Open the Agreement you've created (where XX is your group number)	
4. Switch to the B2B Scenarios	
5. Enable the Edit Mode	
6. Select the right Interchange and check the <i>Receiver Functional Acknowledgement</i> . This links you then to the Communication (see text and link in the orange box). Select the link <i>Go to Receiver Communication</i> .	

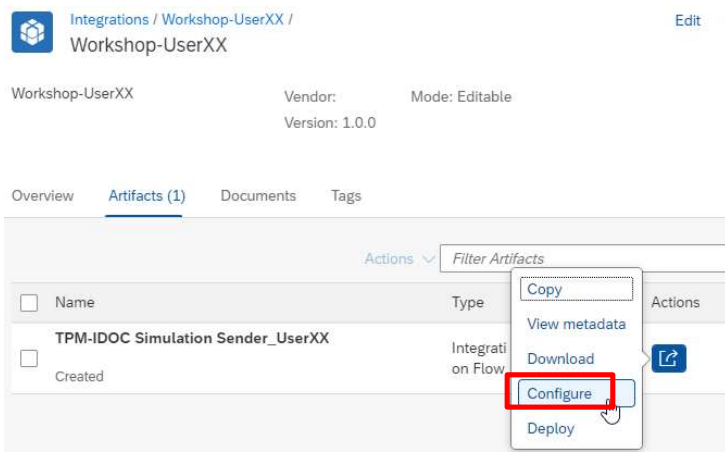
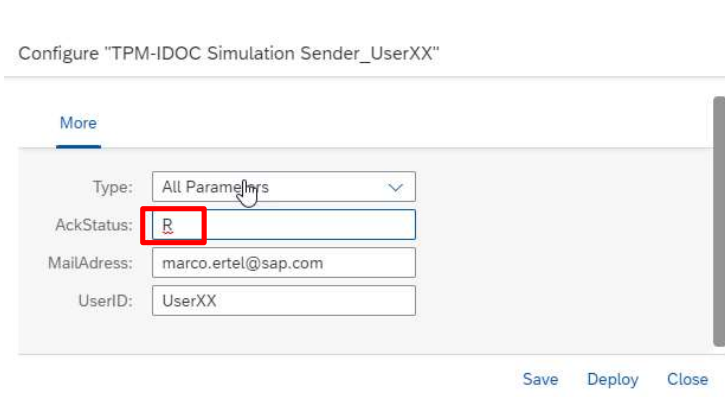
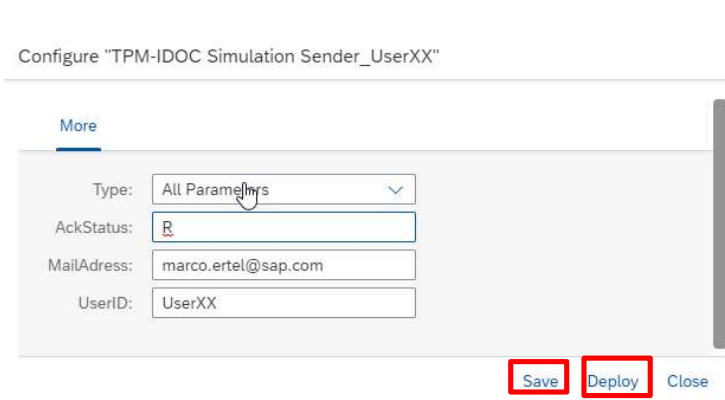
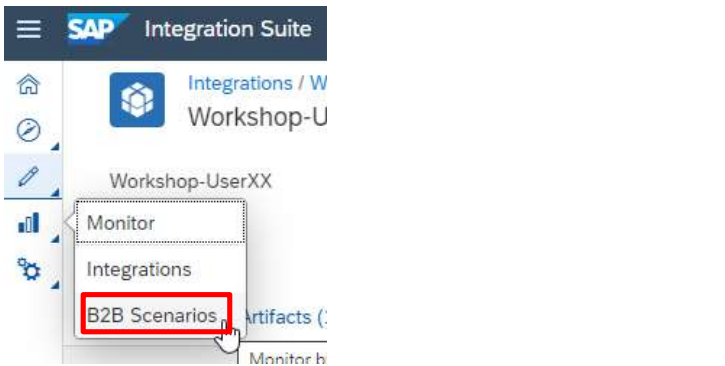
Explanation	Screenshot
7. In the highlighted Dropdown box select AS2-ACKs. This communication channel of your company will then be used for receiving the 997 messages.	
8. Save the Agreement	
9. Now you have to update the information in the Partner Directory. This is done with the <i>update</i> button.	

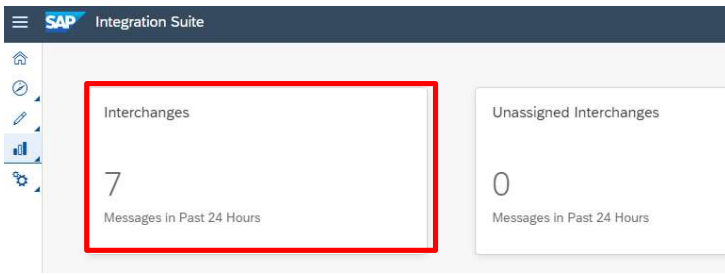
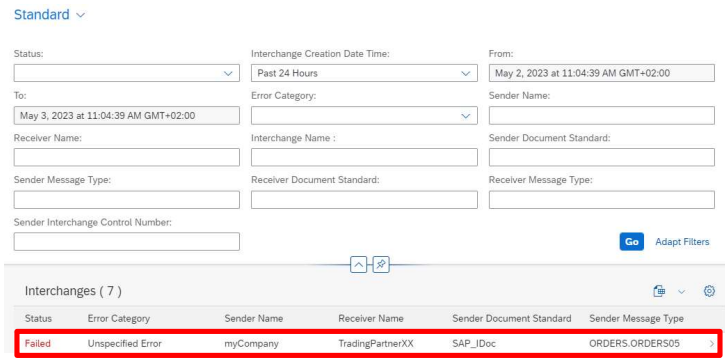

7. OPTIONAL: SEND MESSAGE WITH ACCEPTED OR REJECTED ACKNOWLEDGMENTS

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:

Explanation	Screenshot																																			
1. Navigate to <i>Design</i> → <i>Integrations</i> .	 <p>The screenshot shows the SAP Integration Suite interface. The 'Integrations' menu item is highlighted with a red box, and a mouse cursor is pointing at it. The menu is open, showing options like Design, Integrations, B2B Scenarios, Custom Type Systems, MIGs, and MAGs.</p>																																			
2. Open your package <i>Workshop-UserXX</i> (with XX your group number)	 <p>The screenshot shows the SAP Integration Suite interface with the 'Integrations / Design' view. A table of packages is displayed. The package 'Workshop-UserXX' is highlighted with a red box.</p> <table><thead><tr><th>Name</th><th>Mode</th><th>Vers...</th><th>Created By</th><th>Created Date</th></tr></thead><tbody><tr><td>ASUG 2023 Hyper Automation - SOLUTION</td><td>Editable</td><td>1.0.0</td><td>tushar.pradhan@sap.com</td><td>Fri, 28 Apr 2023 15:24:04 GMT</td></tr><tr><td>ASUG2023_HO_TSP</td><td>Editable</td><td>1.0.0</td><td>tushar.pradhan@sap.com</td><td>Fri, 28 Apr 2023 15:34:48 GMT</td></tr><tr><td>ASUG_2023_HO_XX</td><td>Editable</td><td>1.0.0</td><td>user01@techedusers.com</td><td>Mon, 01 May 2023 20:42:58 GMT</td></tr><tr><td>Cloud Integration - Trading Partner Management</td><td>Configure-only</td><td>1.4.0</td><td>marco.ertel@sap.com</td><td>Thu, 20 Apr 2023 07:21:37 GMT</td></tr><tr><td>Workshop-TPM-SimulationFlow</td><td>Editable</td><td>1.0.0</td><td>marco.ertel@sap.com</td><td>Thu, 20 Apr 2023 11:59:43 GMT</td></tr><tr><td>Workshop-UserXX</td><td>Editable</td><td>1.0.0</td><td>userxx@techeduser.com</td><td>Fri, 28 Apr 2023 12:57:23 GMT</td></tr></tbody></table>	Name	Mode	Vers...	Created By	Created Date	ASUG 2023 Hyper Automation - SOLUTION	Editable	1.0.0	tushar.pradhan@sap.com	Fri, 28 Apr 2023 15:24:04 GMT	ASUG2023_HO_TSP	Editable	1.0.0	tushar.pradhan@sap.com	Fri, 28 Apr 2023 15:34:48 GMT	ASUG_2023_HO_XX	Editable	1.0.0	user01@techedusers.com	Mon, 01 May 2023 20:42:58 GMT	Cloud Integration - Trading Partner Management	Configure-only	1.4.0	marco.ertel@sap.com	Thu, 20 Apr 2023 07:21:37 GMT	Workshop-TPM-SimulationFlow	Editable	1.0.0	marco.ertel@sap.com	Thu, 20 Apr 2023 11:59:43 GMT	Workshop-UserXX	Editable	1.0.0	userxx@techeduser.com	Fri, 28 Apr 2023 12:57:23 GMT
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3. Switch to the <i>Artifacts</i> Tab	 <p>The screenshot shows the SAP Integration Suite interface with the 'Integrations / Workshop-UserXX / Workshop-UserXX' view. The 'Artifacts (1)' tab is highlighted with a red box.</p> <p>Workshop-UserXX</p> <p>Vendor: Mode: Editable</p> <p>Version: 1.0.0</p> <p>Overview Artifacts (1) Documents Tags</p>																																			

Explanation	Screenshot
4. Select <i>Configure</i>	
5. Check the Field <i>AckStatus</i> . If there is an <i>A</i> you will get an Acknowledgement Message with <i>accepted</i> . If you change it to <i>R</i> it will be <i>rejected</i> .	
6. Save and deploy the integration flow.	
7. Navigate to the B2B Monitoring	

Explanation	Screenshot
8. Click on the left tile	
9. Select your message (hint: in the column <i>Receiver Name</i> you should see your group number like <i>TradingPartnerXX</i>)	
10. if you have chosen <i>A</i> or <i>R</i> you will now see a different status. (In the screenshot <i>R</i> was used)	

Backup Tenant:

Tenant: <https://asug-b2b-02.integrationsuite.cfapps.us10-002.hana.ondemand.com/shell/home>

User/Password: UserXX/Welcome1

Necessary change:

17. As this Trading Partner will receive its Purchase Orders with the AS2 protocol, you need to create an AS2 Receiver. As the generic integration flow needs more details to know where the system of the trading partner is and how to reach it please enter the following parameters:

Name: AS2

Alias: AS2

Direction: *Receiver*

Adapter: AS2

Recipient URL:

<https://asug-b2b-02.it-cpi019-rt.cfapps.us10-002.hana.ondemand.com/as2/as2>

Proxy Type: *Internet*

Auth Type: *Basic*

Credential Name: *B2B-Workshop*

Be sure that you don't have any blanks in the url from copy and paste out of this document!

Add Communication

Name:	AS2
Alias:	AS2
Description:	
Direction:	Receiver
Adapter:	AS2

Connection Processing Security MDN

RECEIPT INFORMATION

Recipient URL:	https://asug-b2b-02.it-cpi019-rt.cfapps.us10-002.hana.ondemand.com/as2/as2
Proxy Type:	Internet
Authentication Type:	Basic Authentication
Credential Name:	B2B-Workshop

Save Cancel