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IN262 - Unlocking B2B Excellence: Efficiently Onboard and Manage Trading Partners

Exercise

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0 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 SAP Integration Suite capability Cloud Integration. The business process that we will simulate in this exercise depicts the transfer of an Order using IDoc as a message format over Cloud Integration to a (simulated) Trading Partner with an X12 850 message (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 not be sent to a real Trading Partner system for this exercise but to the mail address you specify during the exercise.

Usually, when onboarding business partners you need to define interfaces/messages – 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 verify 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, but 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 become much easier and faster than before as the Integration Advisor is using a machine learning approach on top of the knowledge base, which contains the knowledge of already implemented integrations. In this first part of the exercise, the creation of the interface/message structures and mappings in the Integration Advisor is already done. In exercise 2 you also have to work on the MIG structure (interface) and on the MAG (mapping).


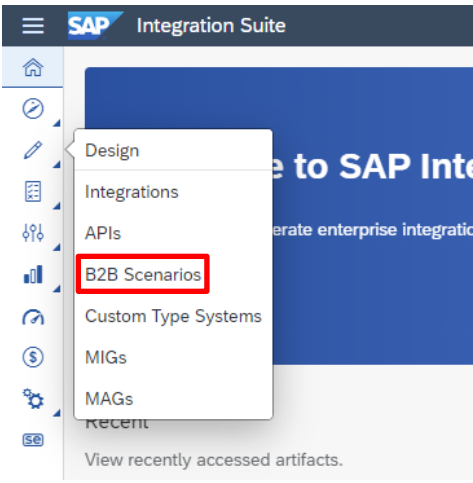
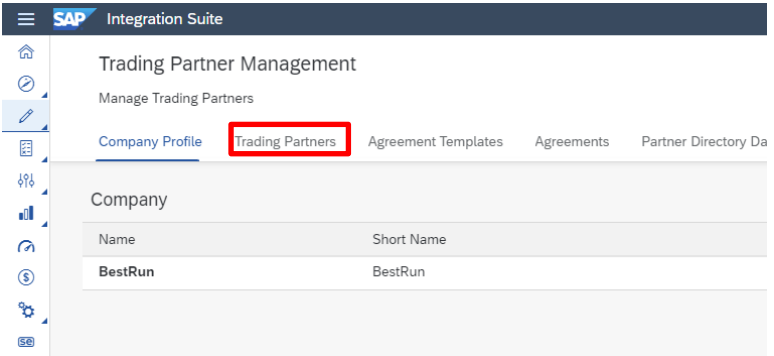
1 EXERCISE 1

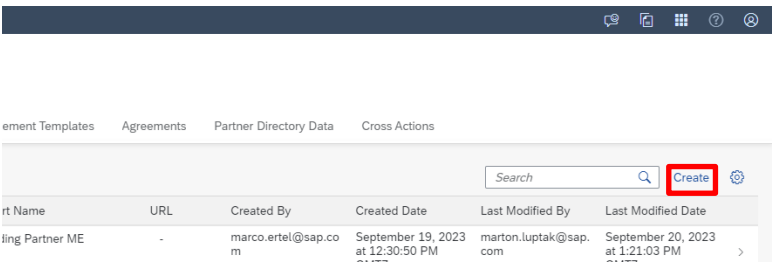
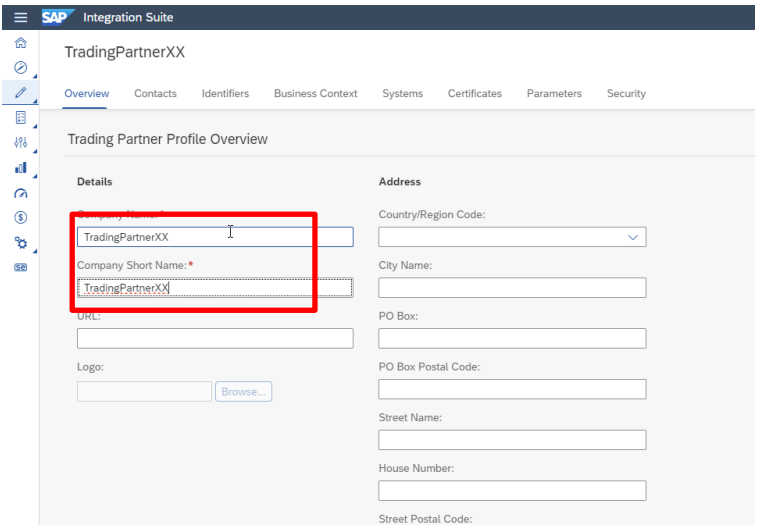
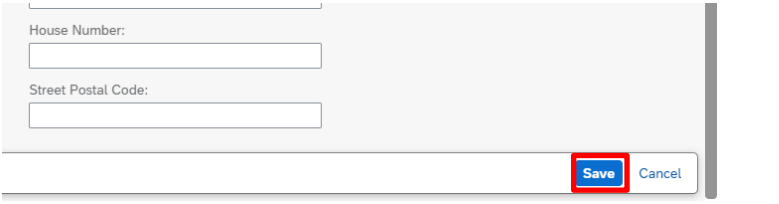
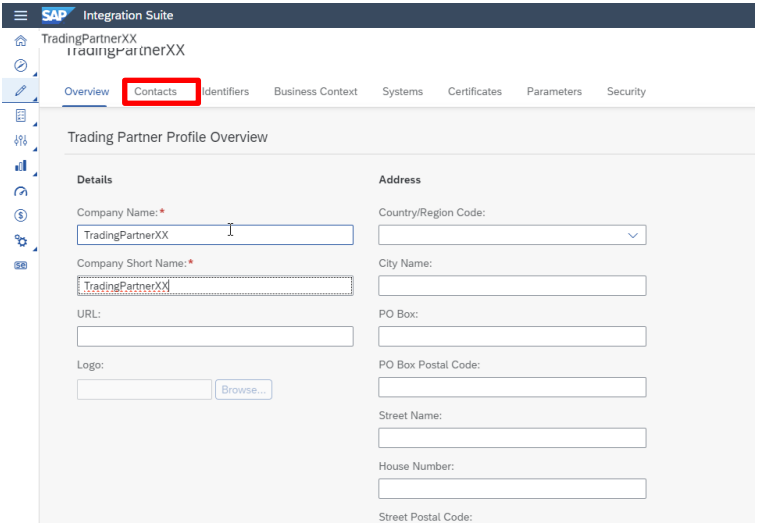
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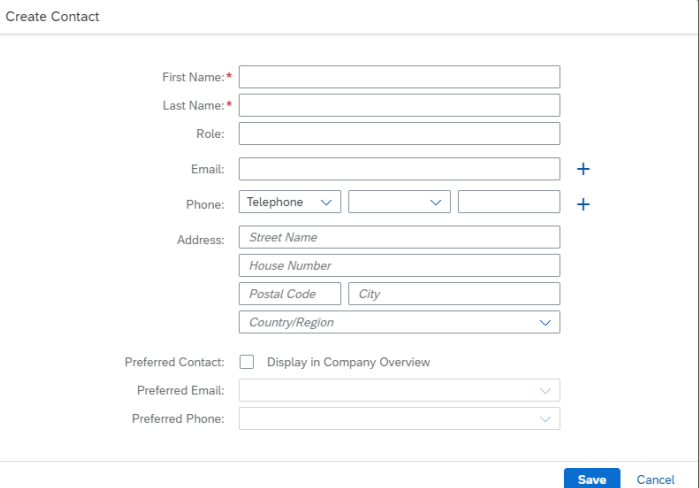
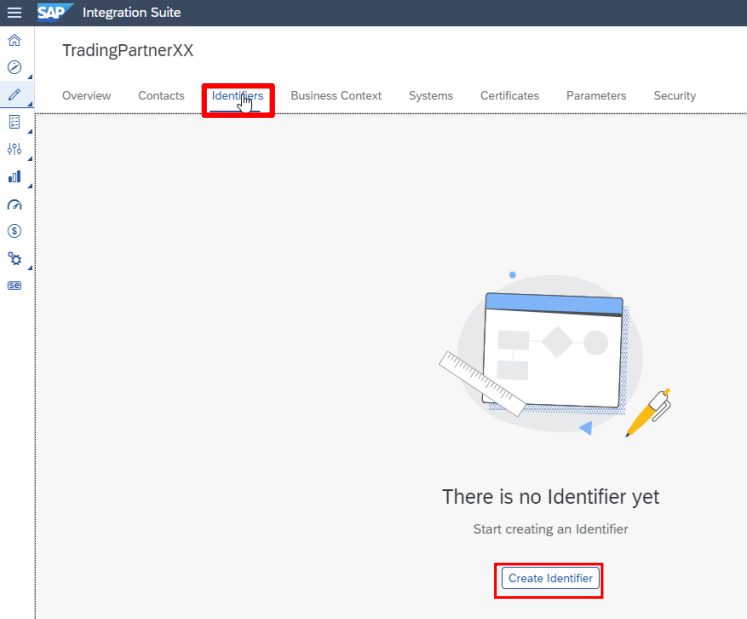
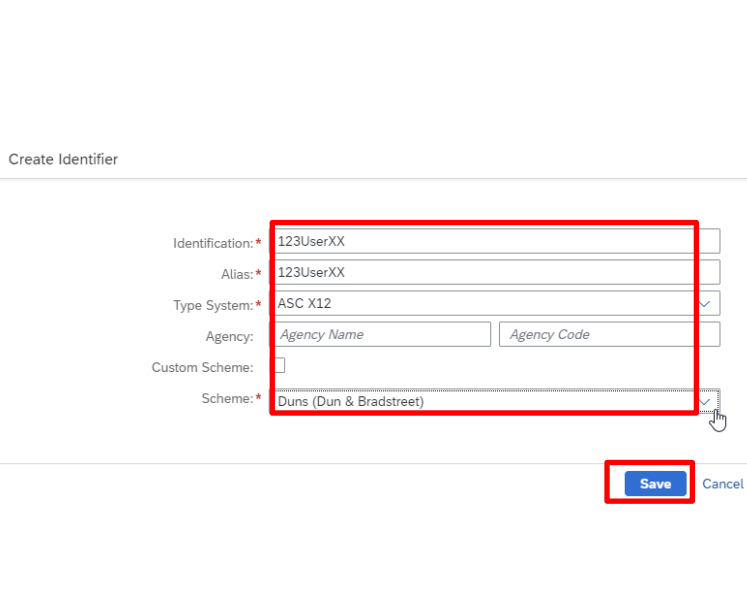
We have two tenants for this exercise. For the Groups 1-30 please use Tenant 1 and for the Groups 31-60 please use Tenant 2

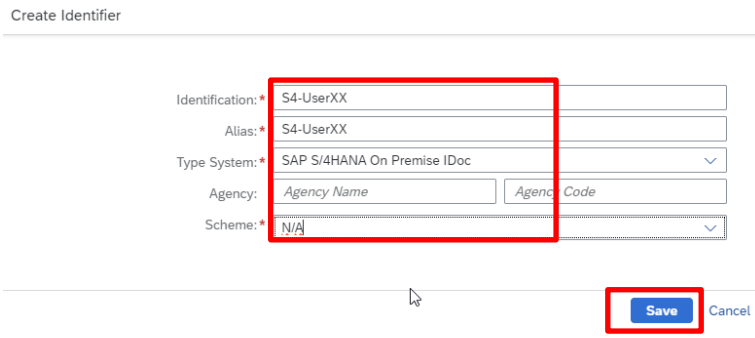
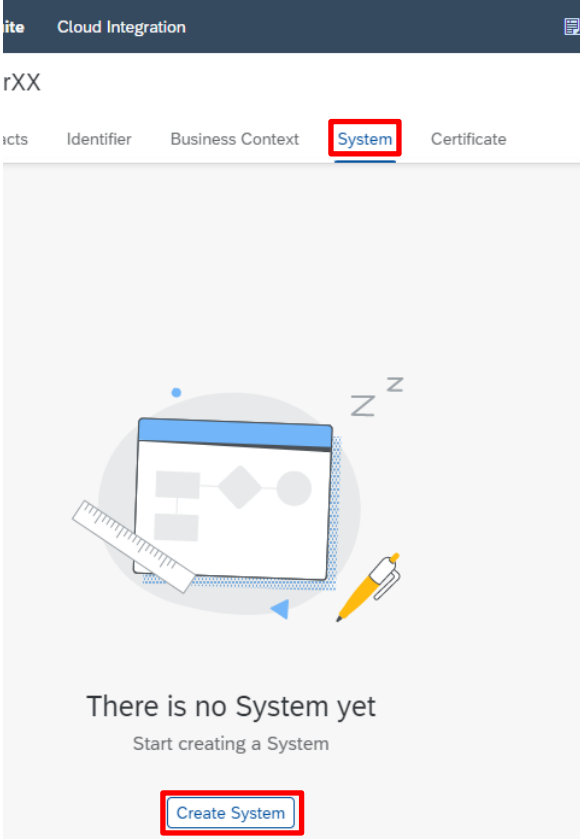
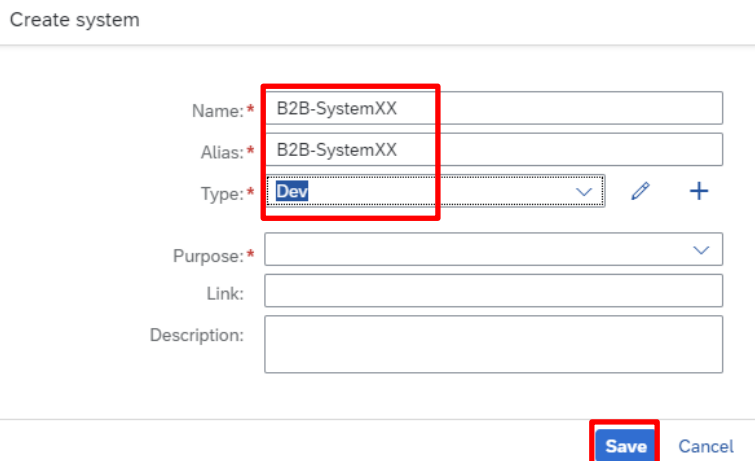
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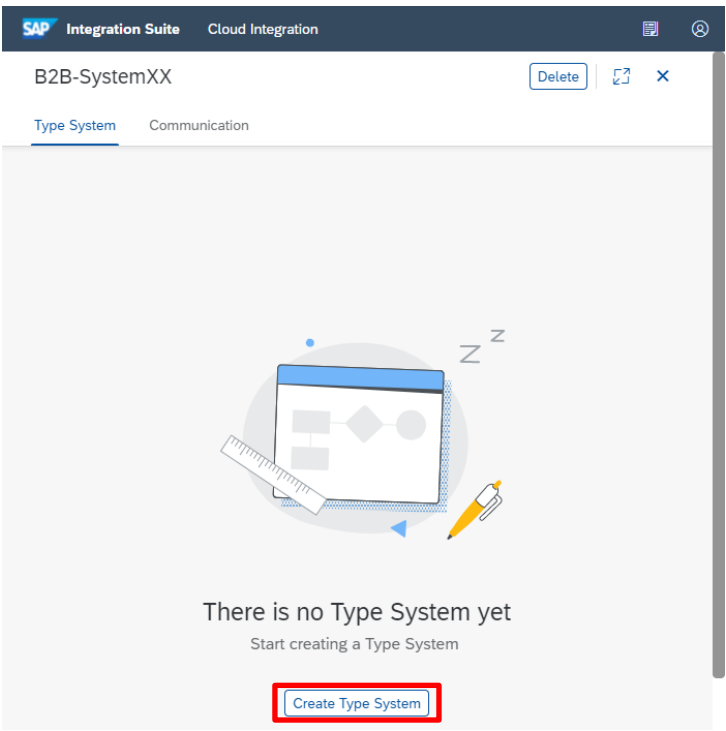
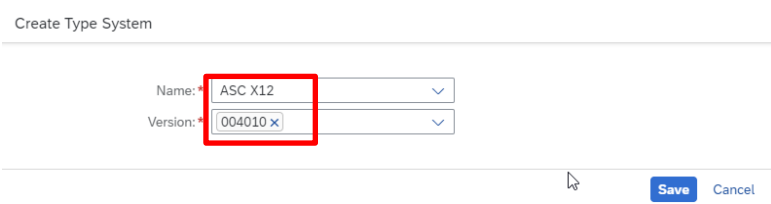
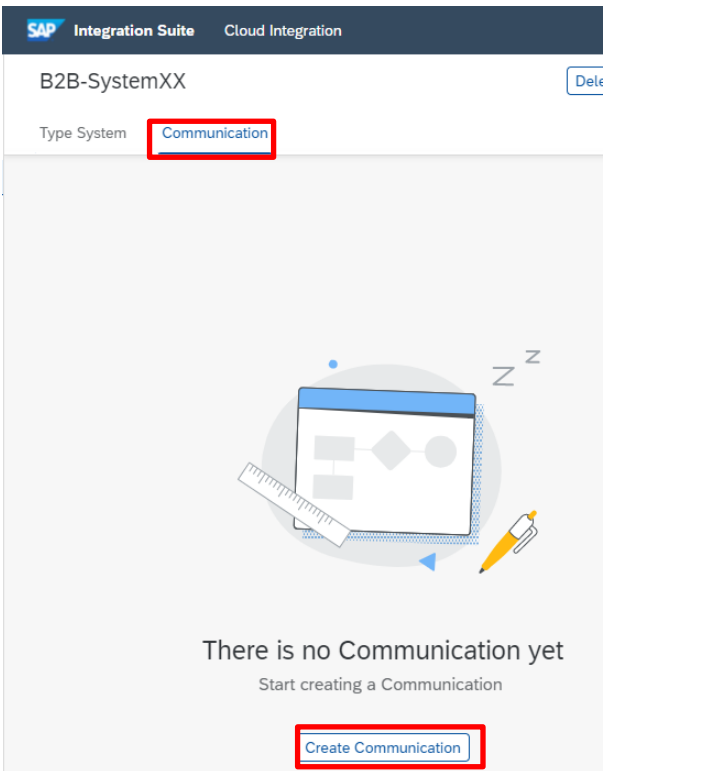
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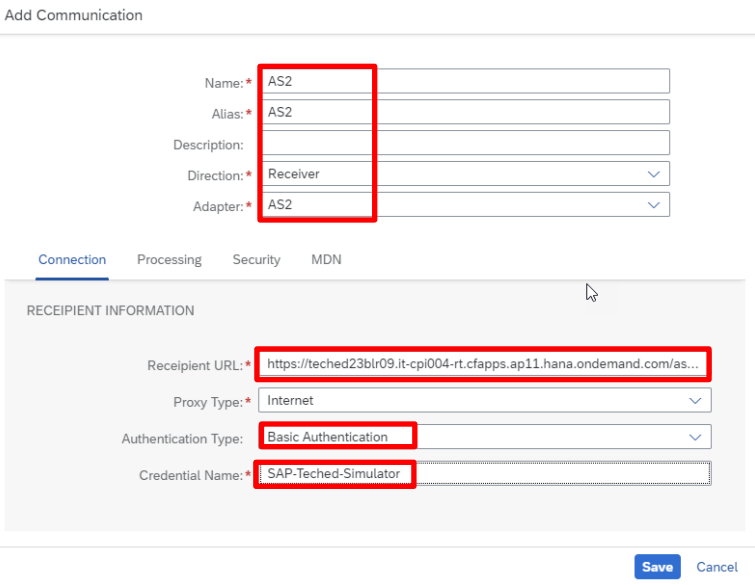
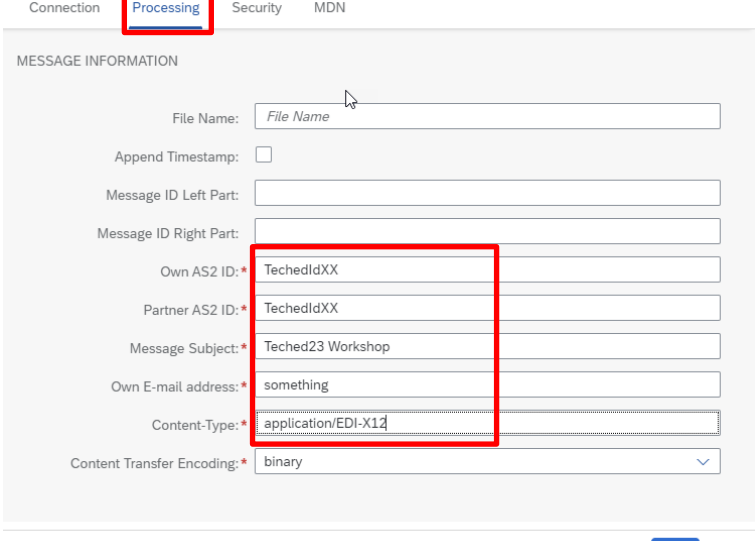
Explanation	Screenshot
1. Log on to the Integration Suite tenant with your system details provided to you by the instructors.	
2. Navigate to <i>Design</i> and select <i>B2B Scenarios</i> .	
3. As you want to onboard a new Trading Partner switch to the tab <i>Trading Partners</i> .	

Explanation	Screenshot
4. Select <i>Create</i> to create a new Trading Partner.	 <p>The screenshot shows the SAP Integration Suite interface with the 'Partner Directory Data' tab selected. A 'Create' button is highlighted with a red box in the top right corner of the main content area.</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' screen for 'TradingPartnerXX'. The 'Details' section is highlighted with a red box. The 'Company Name' and 'Company Short Name' fields are both filled with 'TradingPartnerXX'.</p>
Please save the newly created Trading Partner.	 <p>The screenshot shows the bottom of the 'Trading Partner Profile Overview' screen. The 'Save' button is highlighted with a red box.</p>
6. Switch to the <i>Contacts</i> tab and select <i>Create Contact</i> .	 <p>The screenshot shows the 'Trading Partner Profile Overview' screen for 'TradingPartnerXX' with the 'Contacts' tab selected. The 'Create Contact' button is highlighted with a red box.</p>

Explanation	Screenshot
<p>7. On the <i>Contacts</i> tab, you can optionally add names and details of persons who are responsible at the Trading Partner side.</p>	
<p>8. Navigate to the tab <i>Identifier</i> and select <i>Create Identifier</i>.</p>	
<p>9. 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), 123UserXX also for the Alias(with XX your group number), select Type System ASC X12, and Scheme <i>Duns (Dun & Bradstreet)</i>, then save the new identifier.</p>	

Explanation	Screenshot
<p>Maintain the second identifier as follows: Use Identification <i>S4-UserXX</i> (with <i>XX</i> your group number), <i>S4-UserXX</i> (with <i>XX</i> your group number) as Alias, select Type System <i>SAP S/4HANA on Premise IDoc</i>, and Scheme <i>N/A</i>, then save the new identifier.</p>	
<p>10. 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>	
<p>11. Please add the following Details: Name <i>B2B-SystemXX</i> (with <i>XX</i> your group number), <i>B2B-SystemXX</i> (with <i>XX</i> your group number) as Alias, Type <i>X12-System</i>, Purpose <i>Dev</i> and save the new system.</p>	

Explanation	Screenshot
<p>12. 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>13. Use ASC X12 and Version 004010, then save the new Type System.</p>	
<p>14. Next, you need to maintain the communication details. Switch to tab <i>Communication</i> and select <i>Create Communication</i>.</p>	

Explanation	Screenshot
<p>15. As this Trading Partner will receive (a) Purchase Order(s) with the AS2 protocol, you need to create an AS2 Receiver. As you have to authenticate at the AS2 Receiver you need here a credential (<i>SAP-Teched-Simulator</i>) and the Endpoint of that Trading Partner (if you are on BLR09 (Group 01-30) please use: https://teched23blr09.it-cpi004-rt.cfapps.ap11.hana.ondemand.com/as2/as2 (take care not to have spaces or linebreaks in that url) if you are on BLR10 (Group 31-60) please use https://teched23blr10.it-cpi021-rt.cfapps.in30.hana.ondemand.com/as2/as2)</p>	
<p>16. AS2 needs additional information which you have to maintain on the Tab <i>Processing</i>. The IDs (Own and Partner) must start with <i>Teched</i>. You can of course add something after that string. For the mail address you can in this exercise use any text. For the Content-Type use <i>application/EDI-X12</i></p>	

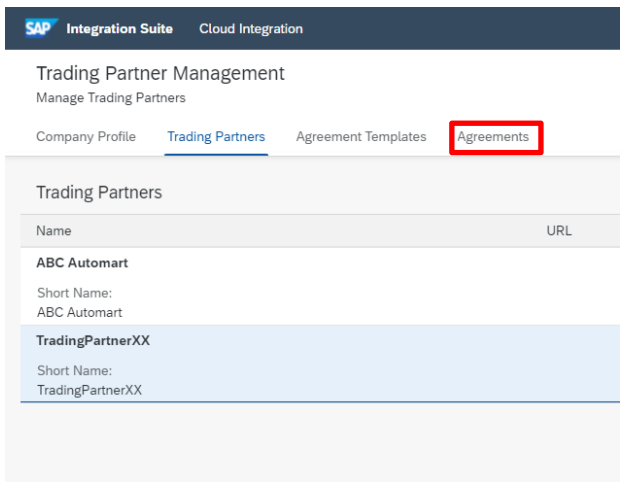
1.2 Use Agreement Template to create an agreement

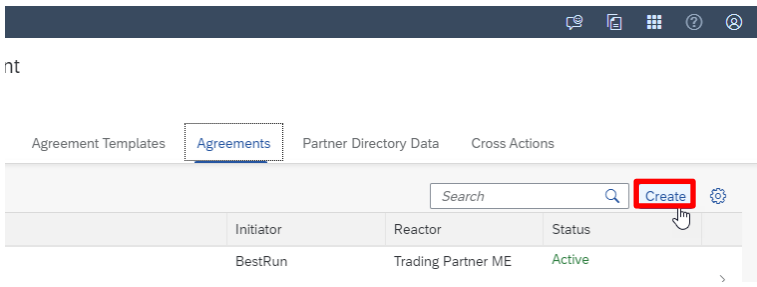
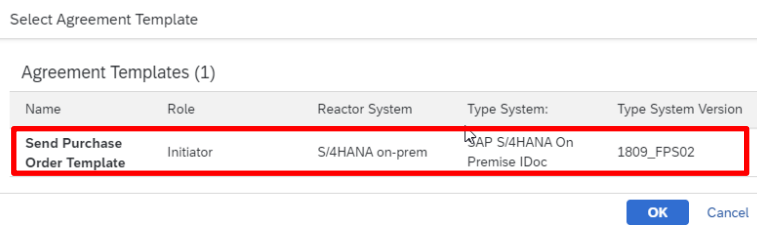
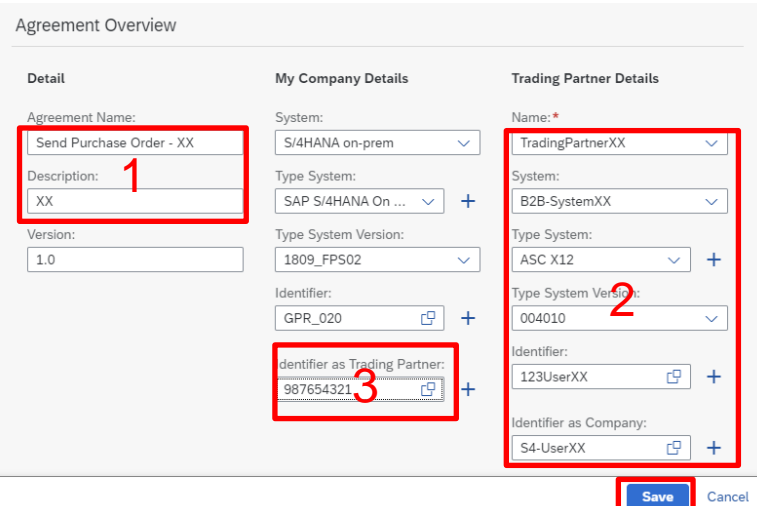
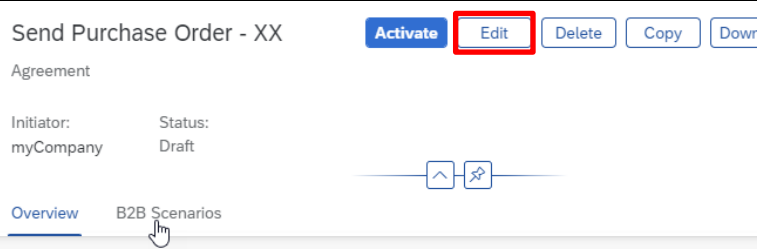
With the Agreement, you instantiate the agreement template where you need to fill out the details of the trading partners- TPM differentiates between Identifiers which will be used in the system of the company and Identifiers which are used in our example in the IDoc message. Let's have a look at the 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>0000000000000002</DOCNUM>
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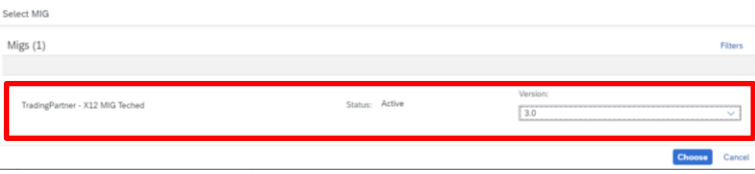
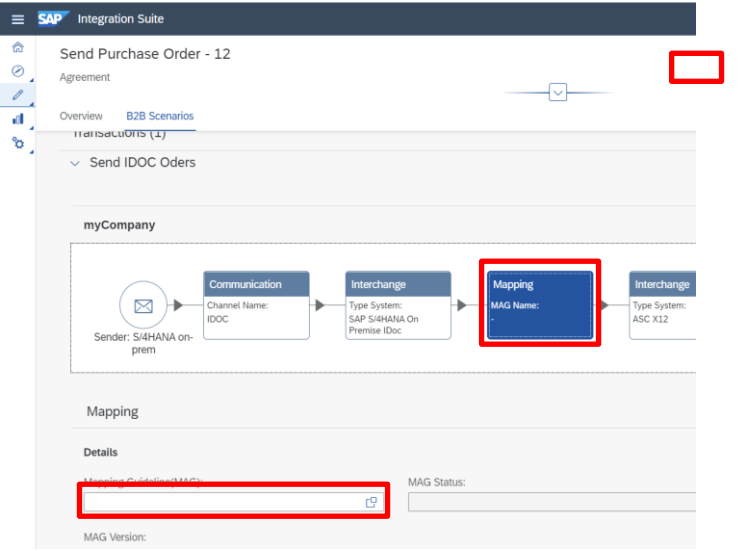
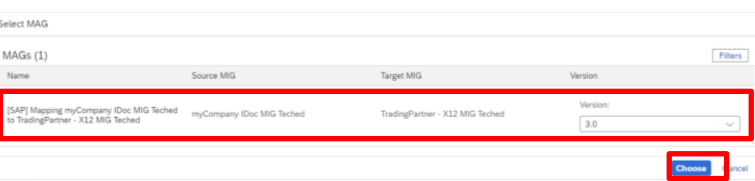
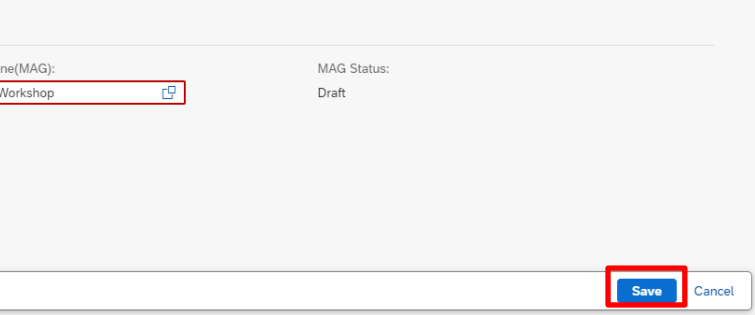
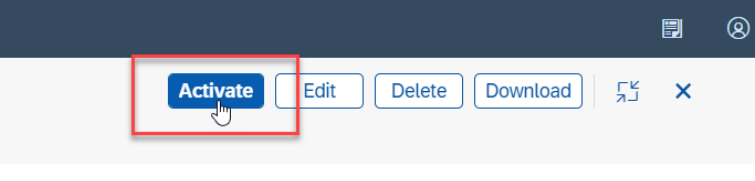
GPR_020 is the Identifier which you can find in the My Company Details.

S4-UserXX can be found in the Details of the Trading Partner under "Identifier as Company" (as usual the XX will then be your group number).

Explanation	Screenshot
1. Navigate back to <i>Design</i> → <i>B2B Scenarios</i> , and switch to the tab <i>Agreements</i> .	

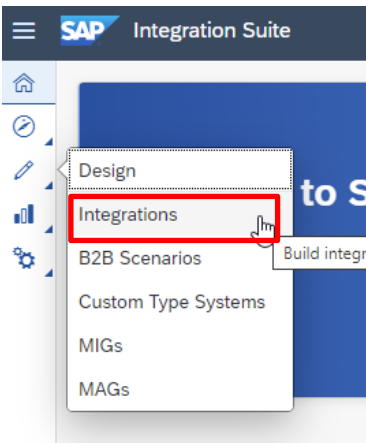
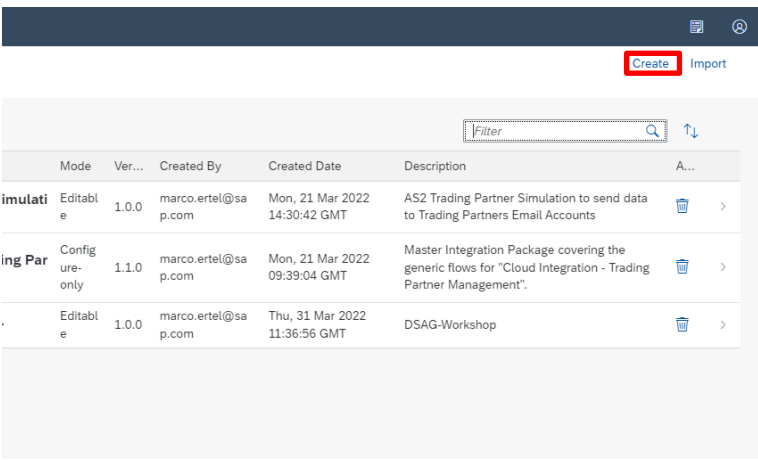
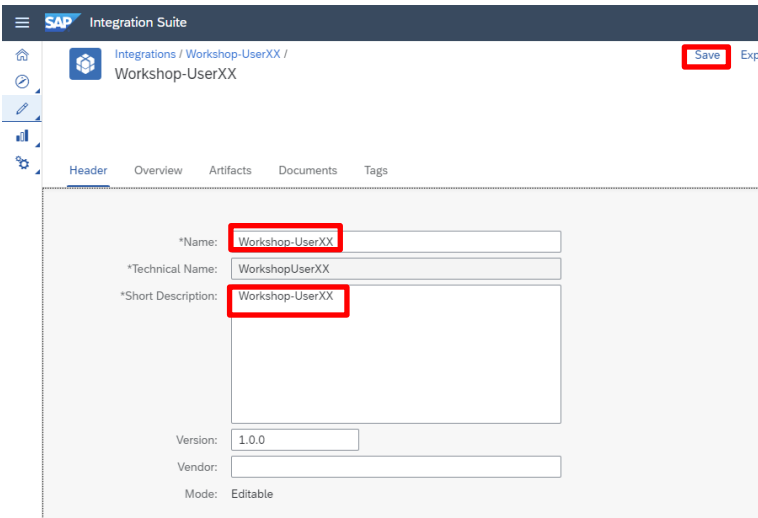
Explanation	Screenshot
2. On the <i>Agreements</i> tab, create a new Agreement.	 <p>The screenshot shows the SAP 'Agreements' tab interface. At the top, there are tabs for 'Agreement Templates', 'Agreements', 'Partner Directory Data', and 'Cross Actions'. The 'Agreements' tab is active. Below the tabs, there is a search bar and a 'Create' button, which is highlighted with a red box. Below the search bar, there is a table with columns: Initiator, Reactor, and Status. The table contains one row: 'BestRun', 'Trading Partner ME', and 'Active'.</p>
3. In the upcoming dialog, select the existing Agreement Template <i>Send Purchase Order Template</i> and select OK.	 <p>The screenshot shows the 'Select Agreement Template' dialog. It has a title 'Select Agreement Template' and a subtitle 'Agreement Templates (1)'. Below this is a table with columns: Name, Role, Reactor System, Type System, and Type System Version. The table contains one row: 'Send Purchase Order Template', 'Initiator', 'S/4HANA on-prem', 'SAP S/4HANA On Premise IDoc', and '1809_FPS02'. This row is highlighted with a red box. At the bottom right, there are 'OK' and 'Cancel' buttons.</p>
<p>4. Please start with renaming the Agreement to <i>Send Purchase Order – XX</i> and change the Description. 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):</p> <p>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.</p> <p>When done, save your settings.</p>	 <p>The screenshot shows the 'Agreement Overview' dialog. It has a title 'Agreement Overview' and a subtitle 'Detail'. Below this is a table with columns: Agreement Name, Description, Version, System, Type System, Type System Version, Identifier, Identifier as Trading Partner, and Identifier as Company. The table contains one row: 'Send Purchase Order - XX', 'XX', '1.0', 'S/4HANA on-prem', 'SAP S/4HANA On ...', '1809_FPS02', 'GPR_020', '987654321', and 'S4-UserXX'. The 'Agreement Name' field is highlighted with a red box and labeled '1'. The 'Description' field is highlighted with a red box and labeled '2'. The 'Identifier as Trading Partner' field is highlighted with a red box and labeled '3'. At the bottom right, there are 'Save' and 'Cancel' buttons.</p>
5. For the newly created agreement, switch to the <i>Edit</i> Mode	 <p>The screenshot shows the 'Send Purchase Order - XX' agreement in Edit Mode. At the top, there are buttons: 'Activate', 'Edit' (highlighted with a red box), 'Delete', 'Copy', and 'Download'. Below these buttons, there is a table with columns: Initiator, Status, and Description. The table contains one row: 'myCompany', 'Draft', and 'Draft'. At the bottom, there are tabs: 'Overview' and 'B2B Scenarios'. The 'B2B Scenarios' tab is active.</p>

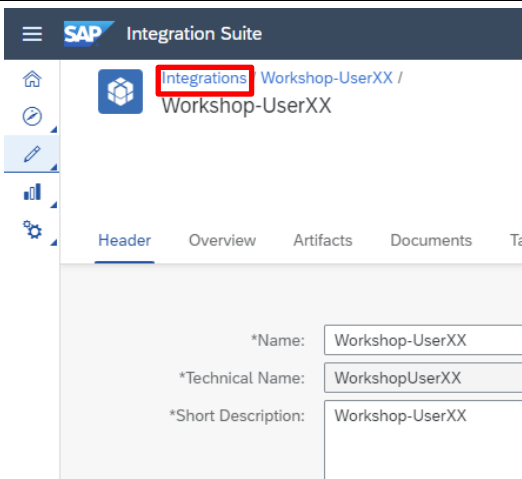
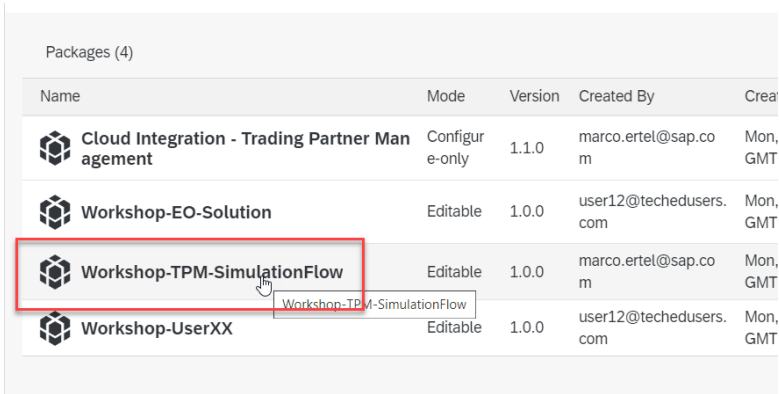
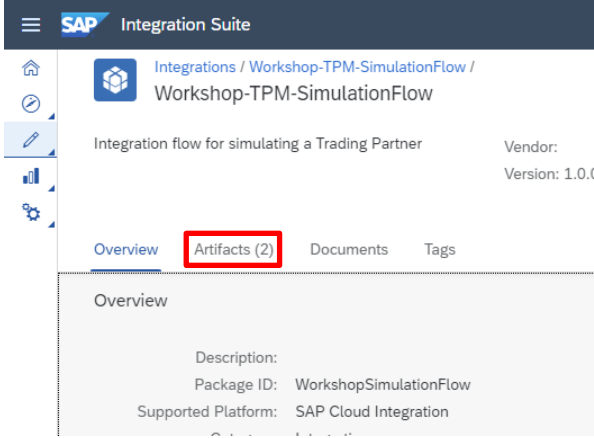
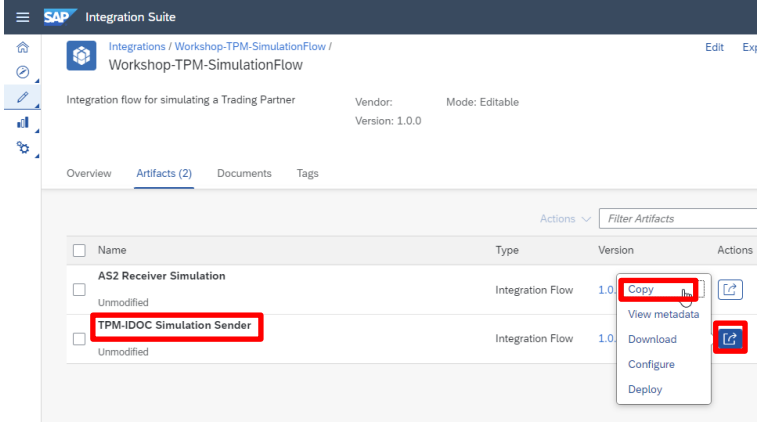
Explanation	Screenshot
6. Navigate to the tab <i>B2B Scenarios</i> .	<p>Send Purchase Order - XX Activate Edit Delete Copy Download</p> <p>Agreement</p> <p>Initiator: myCompany Status: Draft</p> <p>Overview B2B Scenarios</p>
7. There you see the transactions for the scenario. In our exercise, it is only one transaction (one-way). In general, it could be several and those could also be two-way transactions. The first two elements within the flow (note, flow goes from left to right) Communication and Interchange are pre-filled from the Agreement Template, but the others have to be filled out now.	<p>Send IDOC Orders 75% Search Copy Delete</p> <p>myCompany TradingPartnerXX</p> <p>Sender: S/4HANA on-prem Receiver: B2B-SystemXX</p> <p>Flow: Communication (Channel Name: IDOC) -> Interchange (Type System: SAP S/4HANA On-Premise IDoc) -> Mapping (MAG Name: -) -> Interchange (Type System: ASC X12) -> Communication (Channel Name: -)</p>
8. Please start on the right by clicking on the first <i>Communication</i> box within the flow and select AS2 for Communication.	<p>myCompany TradingPartnerXX</p> <p>Sender: S/4HANA on-prem Receiver: B2B-SystemXX</p> <p>Flow: Communication (Channel Name: IDOC) -> Interchange (Type System: SAP S/4HANA On-Premise IDoc) -> Mapping (MAG Name: -) -> Interchange (Type System: ASC X12) -> Communication (Channel Name: -)</p> <p>Communication</p> <p>AS2</p>
9. Please click now on the <i>Interchange</i> box to define the Message Implementation Guideline. Select the drop-down list.	<p>Sender: S/4HANA Simulation Receiver: B2B-SystemXX</p> <p>Flow: Communication (Channel Name: IDoc) -> Interchange (Type System: SAP S/4HANA On-Premise IDoc) -> Mapping (MAG Name: -) -> Interchange (Type System: ASC X12)</p> <p>Interchange Settings(Inbound)</p> <p>Details</p> <p>Type System: ASC X12</p> <p>Type System Version: 004010</p> <p>Message Implementation Guideline (MIG): AS2</p> <p>MIG Version:</p> <p>MIG Status:</p> <p>Message Type:</p> <p>Custom Integration Flow</p> <p>Customized Post-Processing: <input type="checkbox"/></p> <p>Process Direct Address:</p> <p>Receiver Function</p> <p>Enable Receiver: <input type="checkbox"/></p>

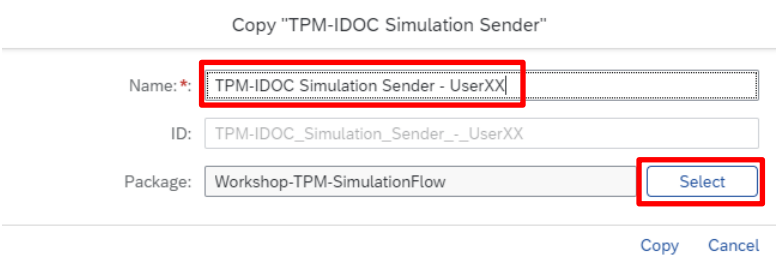
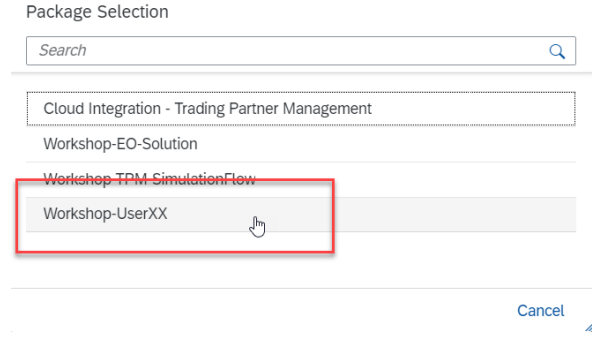
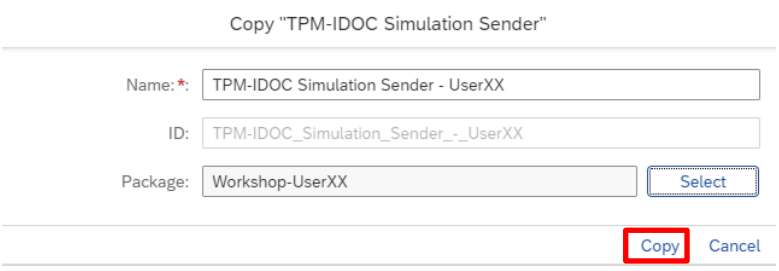
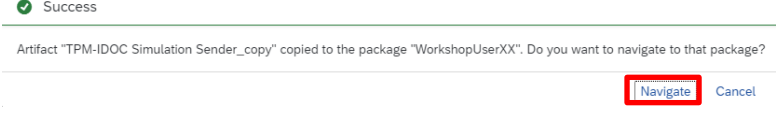
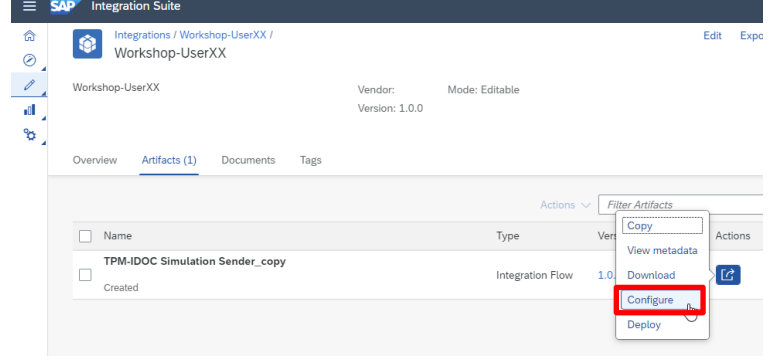
Explanation	Screenshot
10. In the pop up select <i>TradingPartner – X12 MIG Tched</i> and switch to the highest version. Then select <i>Choose</i> .	
11. Last step for the definition of the Agreement is to select the <i>Mapping</i> box (which is also prepared by using the Integration Advisor). Select the drop-down list.	
12. In the pop up select <i>[SAP] Mapping myCompany IDoc MIG Tched to TradingPartner - X12 MIG Tched</i> and switch to the highest version. Then 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> .	

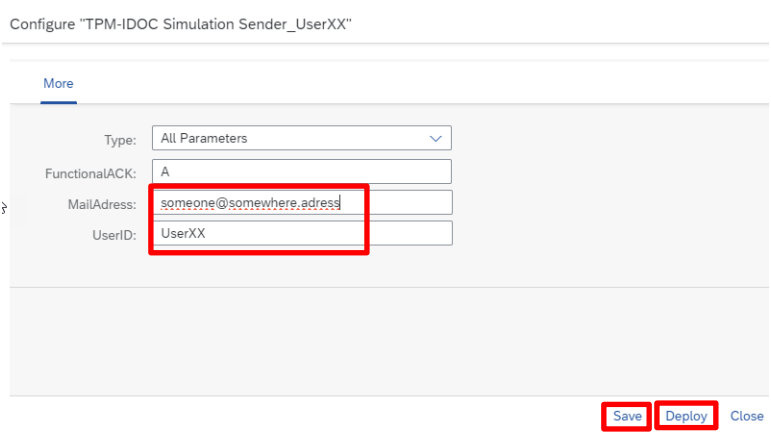
1.3 Prepare Simulation Flow and send a message

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 sent as soon as the integration flow is deployed.

Explanation	Screenshot
1. Navigate to <i>Design</i> -> <i>Integrations</i> .	
2. If you haven't done so before, create a new Package by clicking <i>Create</i> .	
3. Use <i>Workshop-UserXX</i> for Name and Short Description with XX your user Id and save the package.	

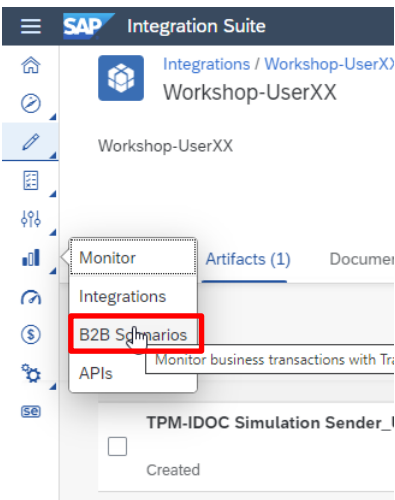
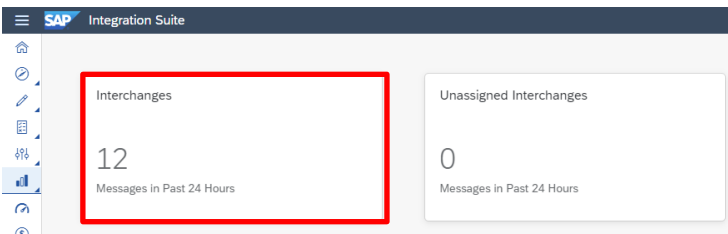
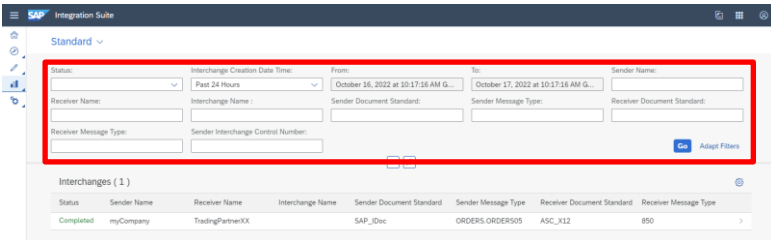
Explanation	Screenshot																									
4. Navigate back to the list of existing packages by clicking <i>Integrations</i> .																										
5. Open the package <i>Workshop-TPM-SimulationFlow</i> .	 <table><tr><th>Name</th><th>Mode</th><th>Version</th><th>Created By</th><th>Created</th></tr><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></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> .																										
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.																										

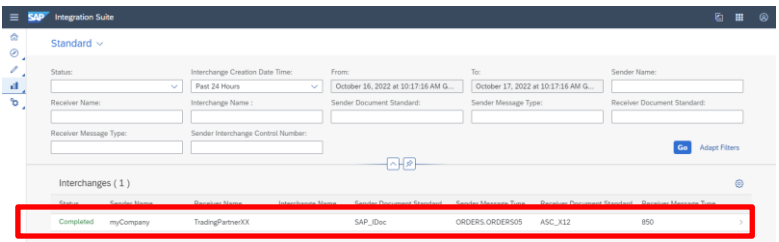
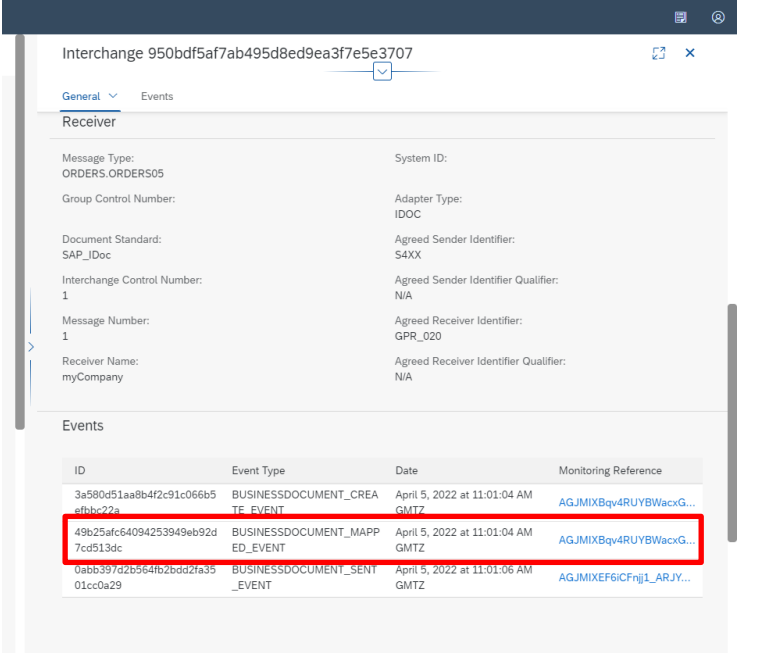
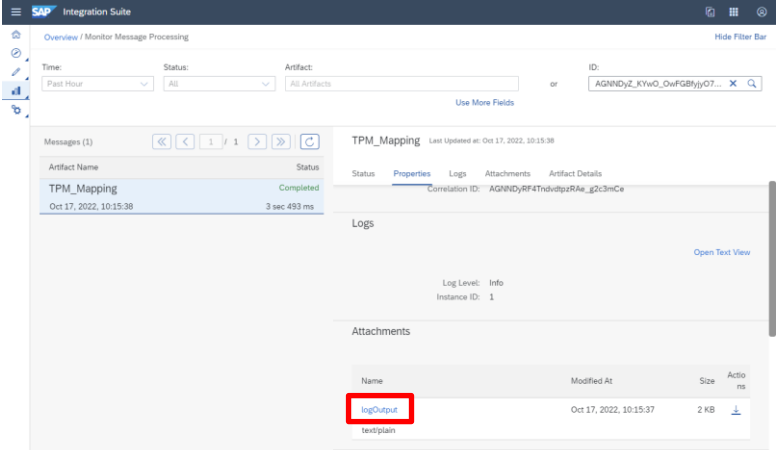
Explanation	Screenshot
8. In the popup, change the name to <i>TPM-IDOC Simulation Sender - UserXX</i> (with <i>UserXX</i> using your ID). Then select <i>Select</i> to change the target package.	
9. In the upcoming package selection screen, select your package <i>Workshop-UserXX</i> .	
10. Next, select <i>Copy</i> .	
11. On the next dialog, select <i>Navigate</i> to open your package.	
12. You now have to <i>Configure</i> the integration flow. Select <i>Configure</i> from the <i>Actions</i> menu of the <i>TPM-IDOC Simulation Sender - UserXX</i> integration flow.	

Explanation	Screenshot
<p>13. Please configure the integration flow with your mail address and UserID <i>UserXX</i>. The transformed message will be sent to this Mail address. Then select <i>Save</i> and <i>Deploy</i>. Once the integration flow is successfully deployed, the message is sent and should appear in your mailbox a few seconds later.</p>	

1.4 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.

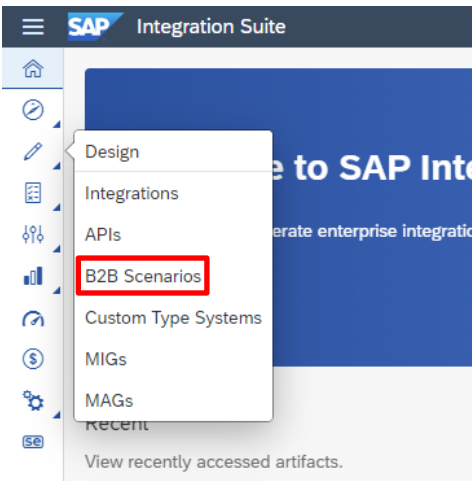
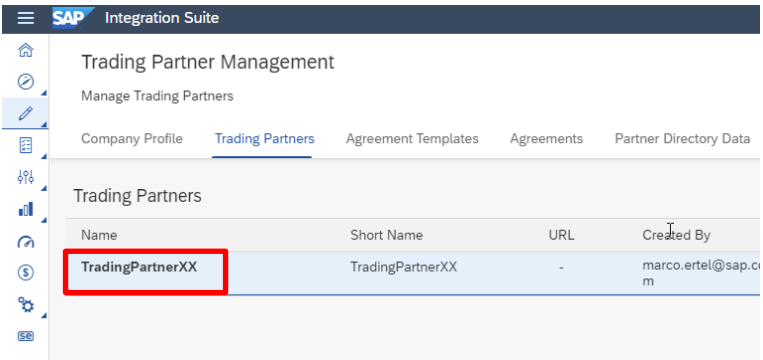
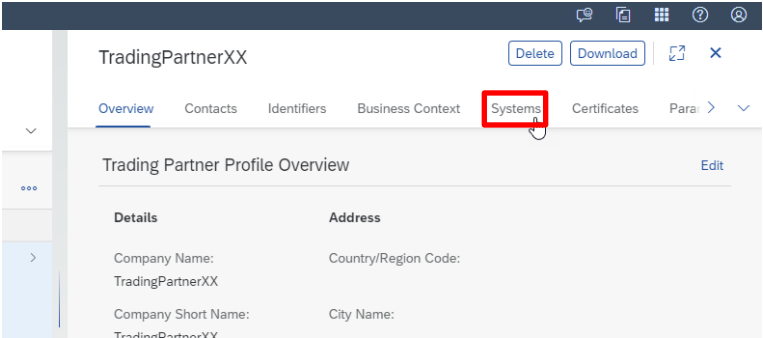
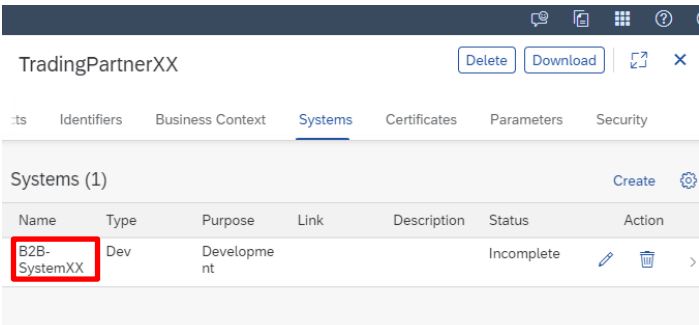
Explanation	Screenshot
<p>1. Navigate to the B2B Monitoring by selecting <i>Monitor</i> → <i>B2B Scenarios</i>.</p>	
<p>2. On the tiles you see how many interchanges had been processed in the last 24 hours. Click on the left tile.</p>	
<p>3. Now you see all messages from the last 24 hours. You can restrict them by using the filters.</p>	

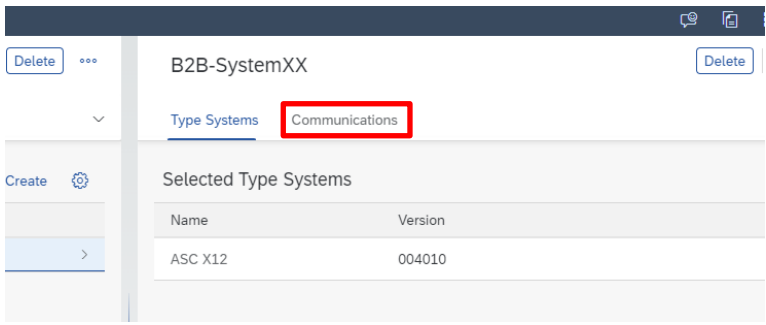
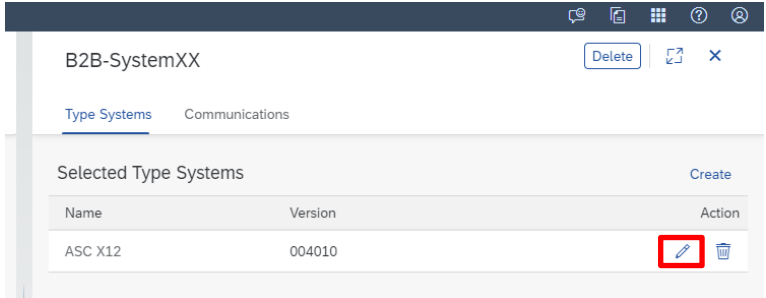
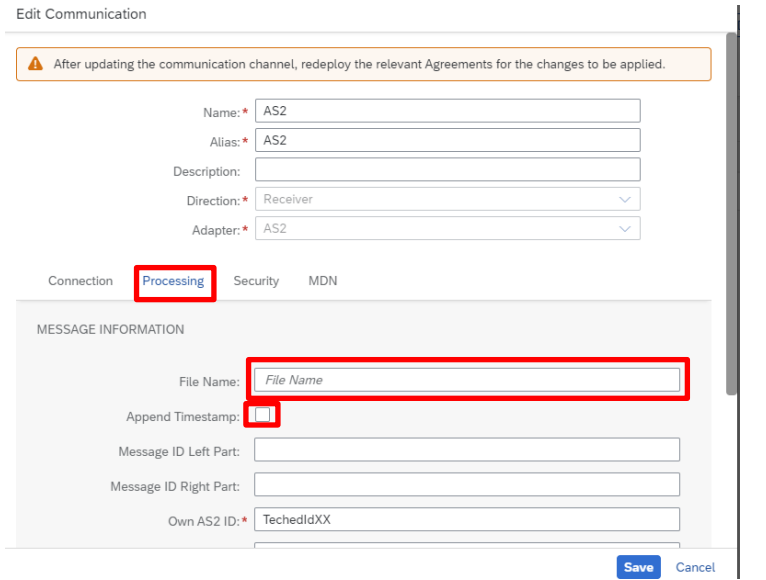
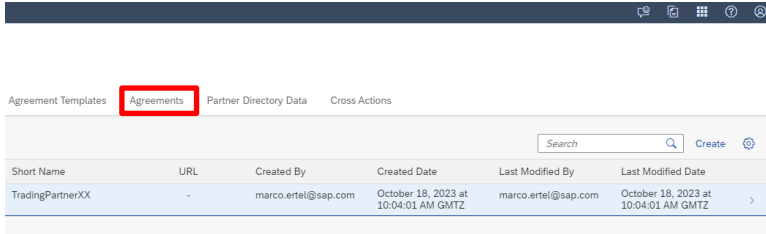
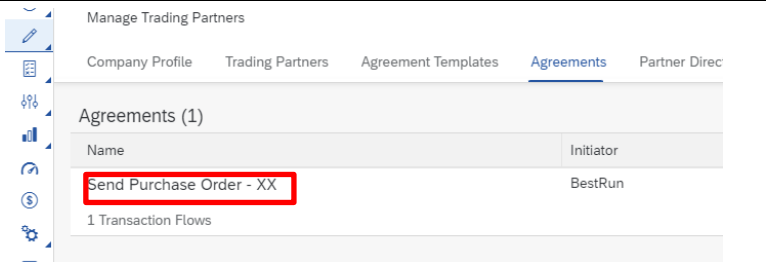
Explanation	Screenshot
4. Click on one of your <i>Completed</i> interchanges.	
5. On this page, you see more details like Sender Name, Adapter Type, ... and you can also jump to the technical monitoring if this is necessary and you are also able to see the payload of the source and target message.	
6. Depending on the Event you've selected, you see here more details on a technical level to solve issues if necessary.	

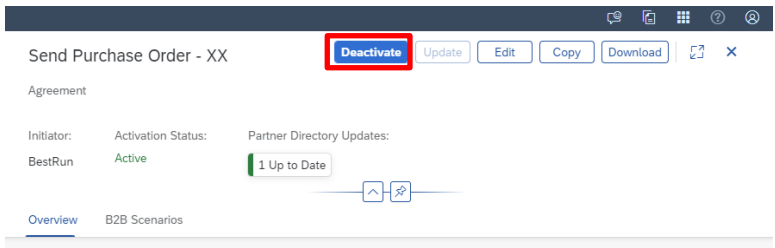
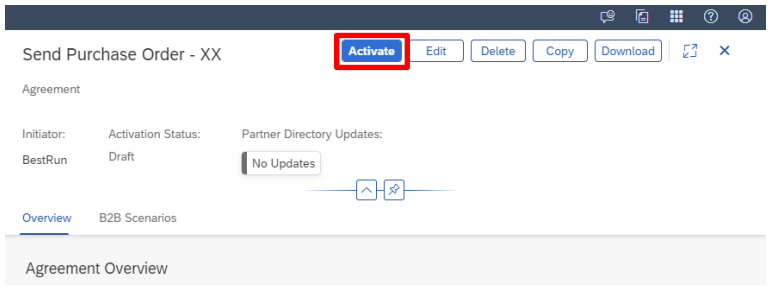
Congrats, you have successfully completed the first exercise.

2 OPTIONAL: EXERCISE 2- FILENAME

In the next step you will modify the filename and append a timestamp to the AS2 sent message as many B2B Systems expect that. This filename is also shown in the message you get via mail.

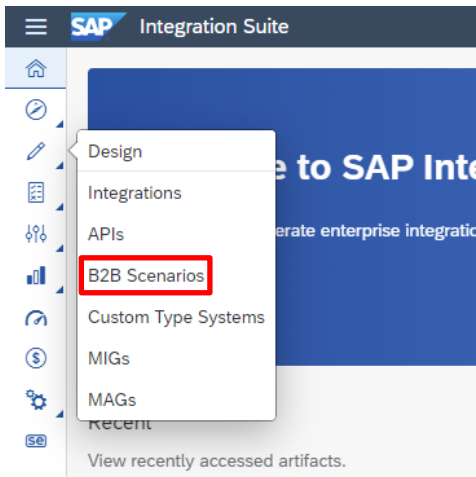
Explanation	Screenshot
1. Navigate to <i>Design</i> and select <i>B2B Scenarios</i> .	 A screenshot of the SAP Integration Suite interface. The 'Design' menu is open, showing options: Design, Integrations, APIs, B2B Scenarios (highlighted with a red box), Custom Type Systems, MIGs, and MAGs. The background shows a blurred view of the SAP Integration Suite home page.
2. Navigate to the Trading Partner you've created in Exercise 1 (TradingPartnerXX with XX your group number)	 A screenshot of the SAP Integration Suite Trading Partner Management page. The 'Trading Partners' tab is selected. A table lists trading partners, with 'TradingPartnerXX' highlighted by a red box. The table has columns: Name, Short Name, URL, and Created By.
3. In the Trading Partner navigate to the Systems	 A screenshot of the SAP Integration Suite Trading Partner Profile Overview page for 'TradingPartnerXX'. The 'Systems' tab is selected and highlighted with a red box. The page shows details and address information for the trading partner.
4. Open the System	 A screenshot of the SAP Integration Suite Systems list page for 'TradingPartnerXX'. The 'Systems' tab is selected. A table lists systems, with 'B2B-SystemXX' highlighted by a red box. The table has columns: Name, Type, Purpose, Link, Description, Status, and Action.

Explanation	Screenshot
5. Switch to the tab Communications	
6. Modify now the Communication	
7. Switch to the Tab Processing and add a filename and mark the Append Timestamp	
8. As the communication has changed the Agreement has to be deactivated and activated again. Please navigate to agreement	
9. Open your Agreement (Send Purchase Order - XX with XX your group number)	


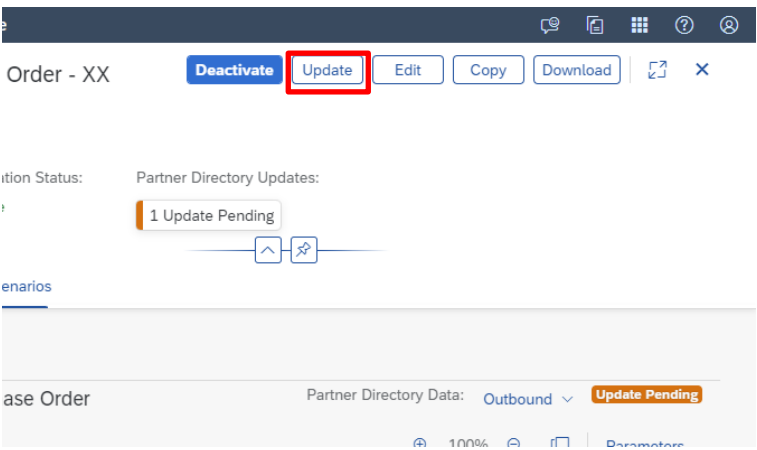
Explanation	Screenshot
10. Deactivate your agreement	 The screenshot shows the SAP Integration Suite interface for an agreement named 'Send Purchase Order - XX'. The 'Deactivate' button is highlighted with a red box. Other buttons visible are 'Update', 'Edit', 'Copy', and 'Download'. The agreement status is 'Active', and the partner directory updates are '1 Up to Date'.
11. Activate the Agreement again	 The screenshot shows the same SAP Integration Suite interface for the 'Send Purchase Order - XX' agreement. The 'Activate' button is now highlighted with a red box. The agreement status has changed to 'Draft', and the partner directory updates are 'No Updates'.
12. Now you can send a test message with your iflow you've copied in exercise 1.3. Then check your inbox how the output has changed	

3 OPTIONAL: EXERCISE 3- SEPARATORS

Here you change the separators of the X12 message as different systems need different separators.

Explanation	Screenshot
1. Navigate to <i>Design</i> and select <i>B2B Scenarios</i> .	 The screenshot shows the SAP Integration Suite interface. The left sidebar menu is open, and the 'B2B Scenarios' option is highlighted with a red box. Other options visible in the menu are 'Design', 'Integrations', 'APIs', 'Custom Type Systems', 'MIGs', and 'MAGs'.

Explanation	Screenshot
2. Navigate to your agreement (TradingPartnerXX with XX your group number) and open it	
3. Switch to the Tab B2B Scenarios	
4. Go into the edit mode	
5. Select the X12 Interchange	
6. Scroll down to the Separator Settings and check the box Use Custom Separators	

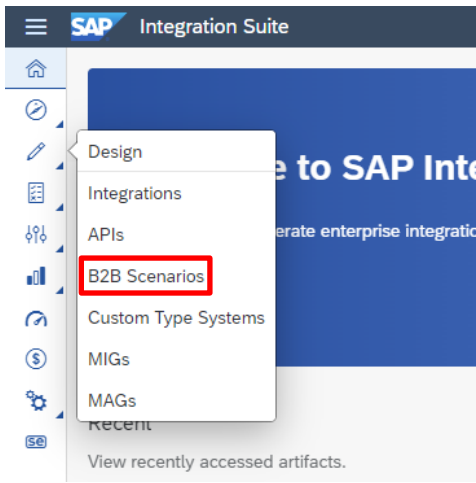
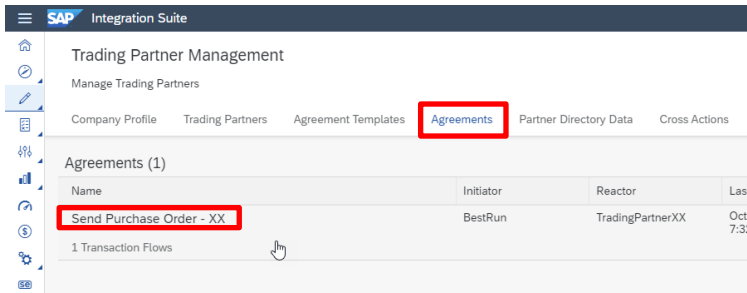
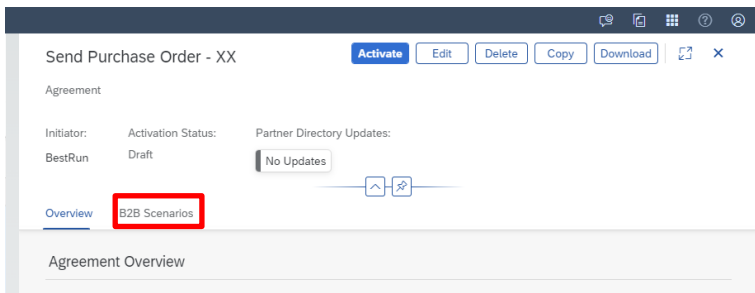
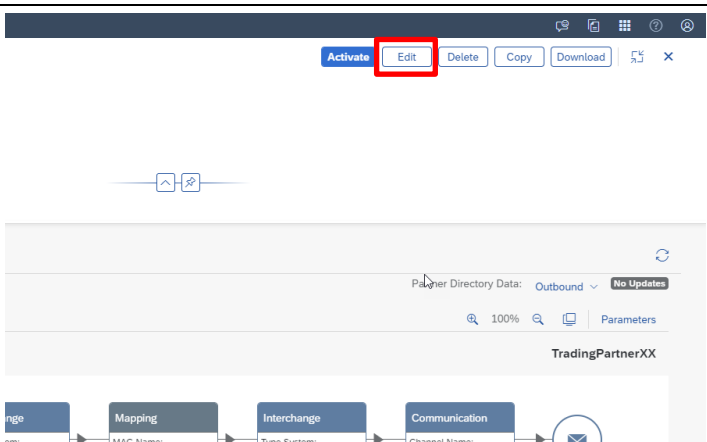
Explanation	Screenshot
7. Change the custom separators.	
8. Save the changed Agreement and update the content in the Partner Directory Database	
9. Now you can send a test message with your iflow you've copied in exercise 1.3. Then check your inbox how the output has changed or look in the B2B Monitoring where you also have access to the payload	

4 OPTIONAL: EXERCISE 4 - CHANGE ENVELOPE

In this exercise you can see how to influence the envelope of an X12 message. Such an envelope contains the following elements (this envelope does not reflect the values in our payload and is only an example):

In this exercise we will change 6 and 8 which are the *Interchange Sender ID* and the *Interchange Receiver ID*.

This is done via the parameters on agreement level.

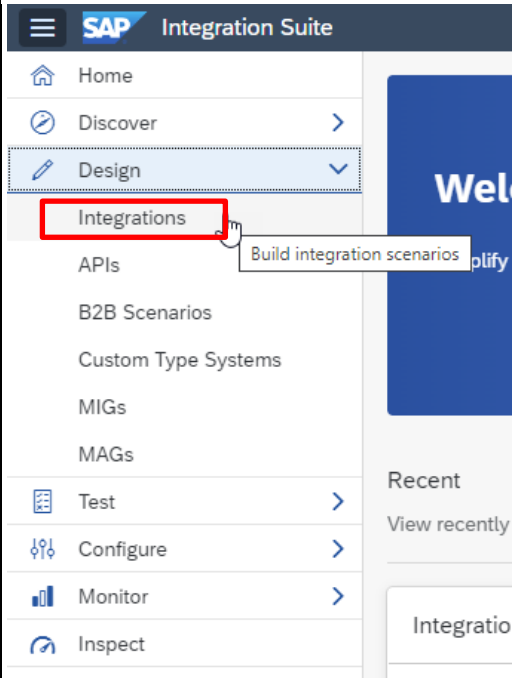
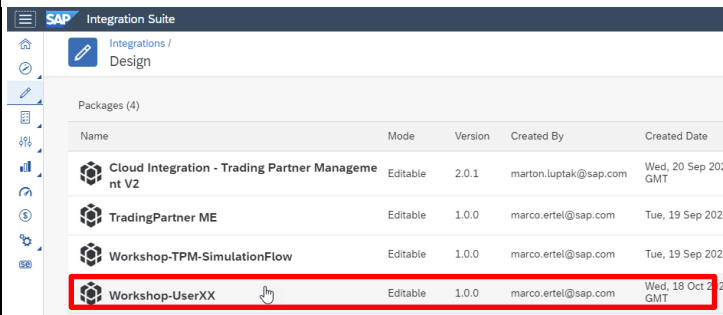
Explanation	Screenshot
1. Navigate to <i>Design</i> and select <i>B2B Scenarios</i> .	 The screenshot shows the SAP Integration Suite interface. On the left, a navigation menu is open, displaying options: Design, Integrations, APIs, B2B Scenarios (highlighted with a red box), Custom Type Systems, MIGs, and MAGs. The background shows a blurred view of the main workspace.
2. Navigate to your agreement (TradingPartnerXX with XX your group number) and open it	 The screenshot displays the 'Agreements' tab within the 'Trading Partner Management' section. A table lists agreements, with 'Send Purchase Order - XX' highlighted by a red box. The table columns include Name, Initiator (BestRun), Reactor (TradingPartnerXX), and Last Updated (Oct 7:31). Below the table, it indicates '1 Transaction Flows'.
3. Switch to the Tab B2B Scenarios	 The screenshot shows the detailed view of the 'Send Purchase Order - XX' agreement. The 'B2B Scenarios' tab is highlighted with a red box. The interface includes fields for Initiator (BestRun), Activation Status (Draft), and Partner Directory Updates (No Updates). There are also buttons for Activate, Edit, Delete, Copy, and Download.
4. Go into the edit mode	 The screenshot shows the same agreement details, but the 'Edit' button is highlighted with a red box, indicating that the user is in edit mode. The interface also shows a diagram of the transaction flow and a section for Partner Directory Data (Outbound) with a 'No Updates' status.

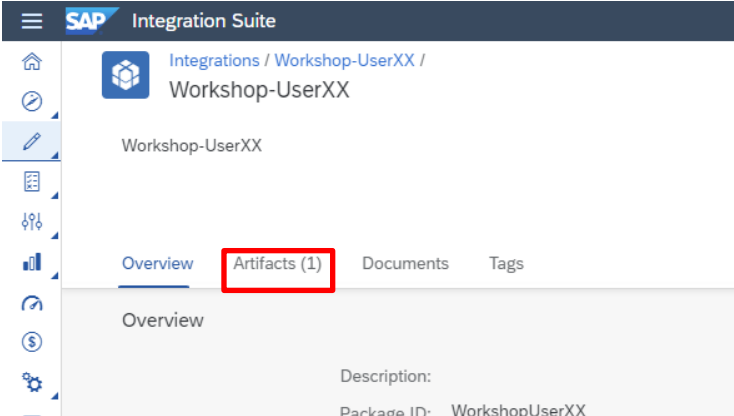
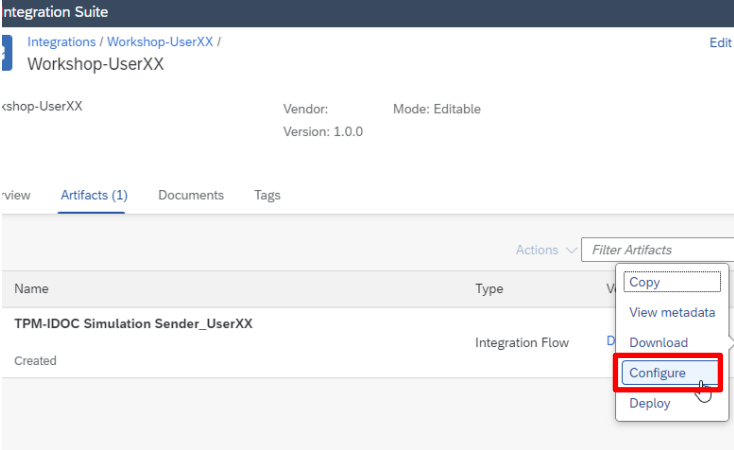
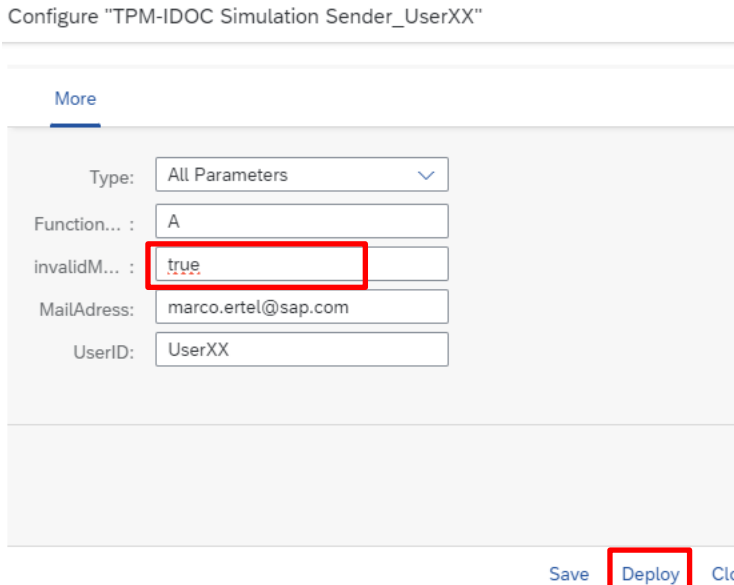
Explanation	Screenshot
5. Select the parameters	
6. Parameters can be inherited from the company profile, from the Trading Partner Profile or manually created. Click on <i>Add Parameters</i> followed by <i>Create Activity parameters</i>	
7. Add two parameters: SAP_EDI_REC_Sender_ID with value SenderIDXX (XX as your group number) SAP_EDI_REC_Receiver_ID with value ReceiverIDXX (XX as your group number)	
8. Save the changed Agreement and update the content in the Partner Directory Database	
9. Now you can send a test message with your iflow you've copied in exercise	

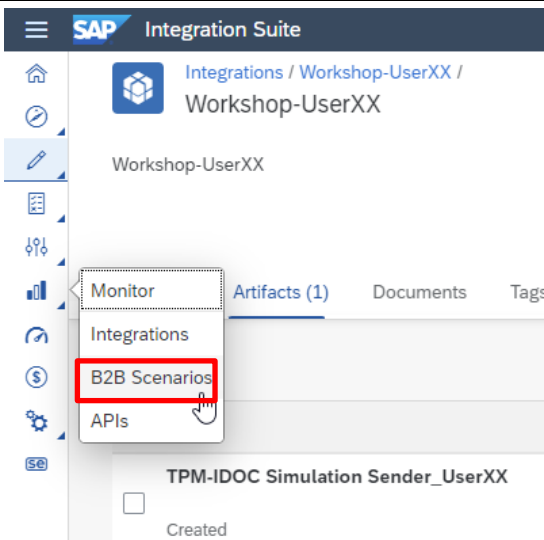
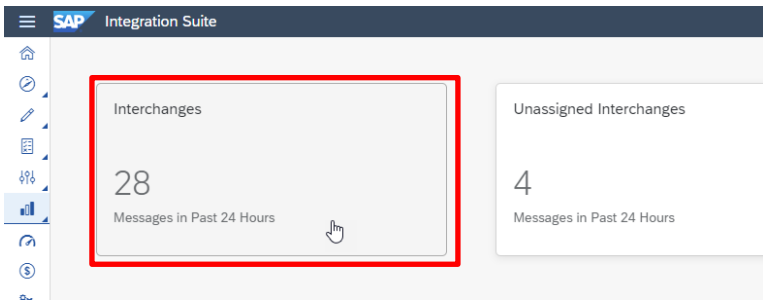
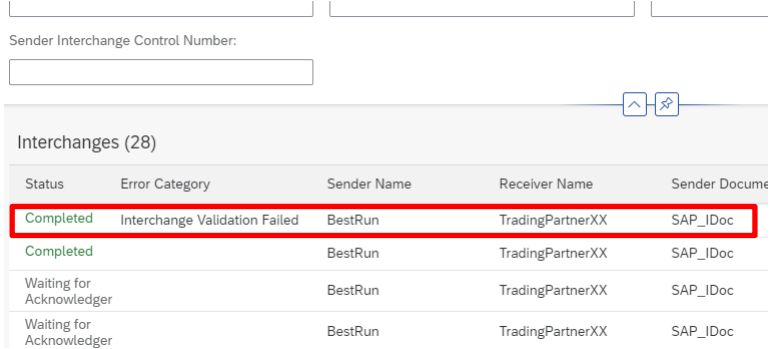
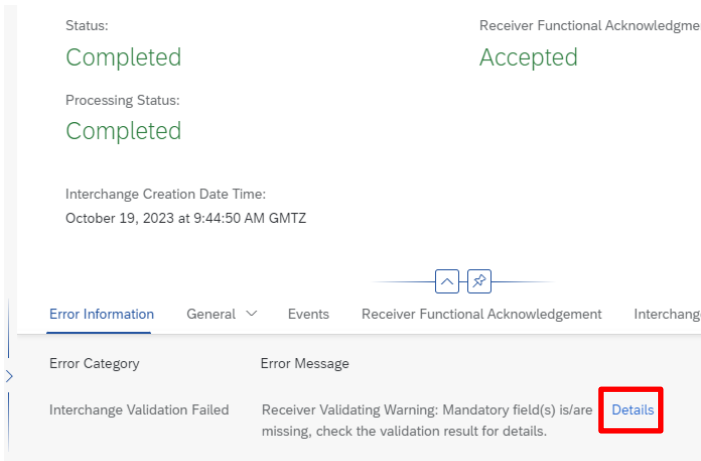
Explanation	Screenshot
1.3. Then check your inbox how the output has changed or look in the B2B Monitoring where you also have access to the payload to see the different envelope values	

5 OPTIONAL: EXERCISE 5 – VALIDATION

In this exercise an erroneous message will be sent to show the capabilities of the payload validation.

Explanation	Screenshot																									
1. Navigate to Integrations																										
2. Open your package (Workshop-UserXX with XX your group number)	 <table><thead><tr><th>Name</th><th>Mode</th><th>Version</th><th>Created By</th><th>Created Date</th></tr></thead><tbody><tr><td>Cloud Integration - Trading Partner Management V2</td><td>Editable</td><td>2.0.1</td><td>marton.luptak@sap.com</td><td>Wed, 20 Sep 20: GMT</td></tr><tr><td>TradingPartner ME</td><td>Editable</td><td>1.0.0</td><td>marco.ertel@sap.com</td><td>Tue, 19 Sep 202</td></tr><tr><td>Workshop-TPM-SimulationFlow</td><td>Editable</td><td>1.0.0</td><td>marco.ertel@sap.com</td><td>Tue, 19 Sep 202</td></tr><tr><td>Workshop-UserXX</td><td>Editable</td><td>1.0.0</td><td>marco.ertel@sap.com</td><td>Wed, 18 Oct 2: GMT</td></tr></tbody></table>	Name	Mode	Version	Created By	Created Date	Cloud Integration - Trading Partner Management V2	Editable	2.0.1	marton.luptak@sap.com	Wed, 20 Sep 20: GMT	TradingPartner ME	Editable	1.0.0	marco.ertel@sap.com	Tue, 19 Sep 202	Workshop-TPM-SimulationFlow	Editable	1.0.0	marco.ertel@sap.com	Tue, 19 Sep 202	Workshop-UserXX	Editable	1.0.0	marco.ertel@sap.com	Wed, 18 Oct 2: GMT
Name	Mode	Version	Created By	Created Date																						
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Workshop-TPM-SimulationFlow	Editable	1.0.0	marco.ertel@sap.com	Tue, 19 Sep 202																						
Workshop-UserXX	Editable	1.0.0	marco.ertel@sap.com	Wed, 18 Oct 2: GMT																						

Explanation	Screenshot
3. Navigate to the Artifacts	 <p>The screenshot shows the SAP Integration Suite interface for 'Workshop-UserXX'. The 'Artifacts (1)' tab is highlighted with a red box. The interface includes a sidebar with navigation icons, a top bar with the SAP logo and 'Integration Suite' text, and a main content area with tabs for Overview, Artifacts (1), Documents, and Tags. The 'Overview' tab is currently selected, showing a description and package ID.</p>
4. Reconfigure your iflow	 <p>The screenshot shows the SAP Integration Suite interface for 'Workshop-UserXX'. The 'Artifacts (1)' tab is selected, displaying a table of artifacts. The 'TPM-IDOC Simulation Sender_UserXX' artifact is highlighted. A context menu is open over the artifact, with the 'Configure' button highlighted by a red box. The menu also includes options for Copy, View metadata, Download, and Deploy.</p>
5. Change the field <i>invalidMessage</i> from <i>false</i> to <i>true</i> and <i>deploy</i> the iflow.	 <p>The screenshot shows the 'Configure TPM-IDOC Simulation Sender_UserXX' dialog. The 'invalidM...' field is set to 'true' and is highlighted with a red box. The 'Deploy' button at the bottom right is also highlighted with a red box. The dialog includes fields for Type, Function, MailAddress, and UserID, and a 'More' section for additional configuration.</p>

Explanation	Screenshot																									
6. Open the B2B Monitor	 <p>The screenshot shows the SAP Integration Suite interface. In the left-hand navigation menu, the 'Monitor' option is expanded, and 'B2B Scenarios' is highlighted with a red box. The main area shows 'Workshop-UserXX' and 'TPM-IDOC Simulation Sender_UserXX'.</p>																									
7. Click on Interchanges	 <p>The screenshot shows the 'Interchanges' dashboard in SAP Integration Suite. A red box highlights the 'Interchanges' card, which displays '28 Messages in Past 24 Hours'. To the right, there is a card for 'Unassigned Interchanges' showing '4 Messages in Past 24 Hours'.</p>																									
8. Open your Interchange	 <p>The screenshot shows the 'Interchanges (28)' list in SAP Integration Suite. A red box highlights the first row of the table, which has the status 'Completed' and error category 'Interchange Validation Failed'.</p> <table><thead><tr><th>Status</th><th>Error Category</th><th>Sender Name</th><th>Receiver Name</th><th>Sender Document</th></tr></thead><tbody><tr><td>Completed</td><td>Interchange Validation Failed</td><td>BestRun</td><td>TradingPartnerXX</td><td>SAP_IDoc</td></tr><tr><td>Completed</td><td></td><td>BestRun</td><td>TradingPartnerXX</td><td>SAP_IDoc</td></tr><tr><td>Waiting for Acknowledger</td><td></td><td>BestRun</td><td>TradingPartnerXX</td><td>SAP_IDoc</td></tr><tr><td>Waiting for Acknowledger</td><td></td><td>BestRun</td><td>TradingPartnerXX</td><td>SAP_IDoc</td></tr></tbody></table>	Status	Error Category	Sender Name	Receiver Name	Sender Document	Completed	Interchange Validation Failed	BestRun	TradingPartnerXX	SAP_IDoc	Completed		BestRun	TradingPartnerXX	SAP_IDoc	Waiting for Acknowledger		BestRun	TradingPartnerXX	SAP_IDoc	Waiting for Acknowledger		BestRun	TradingPartnerXX	SAP_IDoc
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9. and look at the details of the error message	 <p>The screenshot shows the details of an interchange in SAP Integration Suite. The status is 'Completed' and the processing status is 'Completed'. The interchange creation date is 'October 19, 2023 at 9:44:50 AM GMTZ'. The error category is 'Interchange Validation Failed' and the error message is 'Receiver Validating Warning: Mandatory field(s) is/are missing, check the validation result for details.' A red box highlights the 'Details' link next to the error message.</p>																									

Now you can find out, what error the source message contains. In real scenarios the next step would then to correct either the sending system or the mapping to get a correct message sent to your trading partner.