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SAP TechEd 2022

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

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 the SAP Cloud Integration. The business process that we will simulate in this exercise depicts the transfer of an Order using Idoc as a format over Cloud Integration to a (simulated)Trading Partner as an X12 850 (Purchase Order). To minimize the additional effort for you, the Idoc order is already prepared and will be directly sent to Cloud Integration as soon as you deploy your integration flow. The output will here not send to a real Trading Partner system but to the mail address you specify during the exercise.

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

With the usage of the Integration Advisor, developing and documenting of the structures needed will be much easier and faster than before as the Integration Advisor is using a machine learning process on top of the knowledge base, which contains the knowledge of all already implemented integrations and many type libraries. In this first part of the exercise, the creation of the structures and mappings in the Integration Advisor is already done. In exercise 2 you also have to work on the MIG (interface) and on the MAG (mapping).

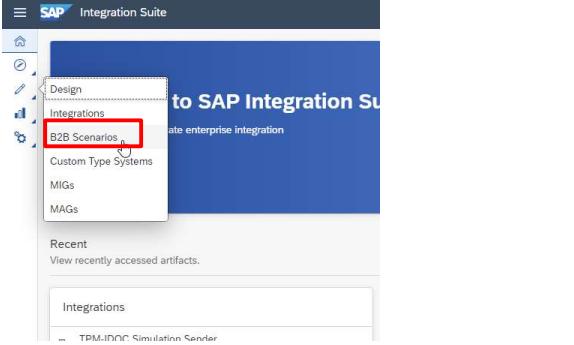
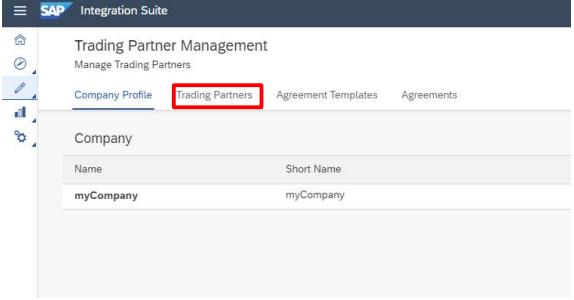
1 EXERCISE 1

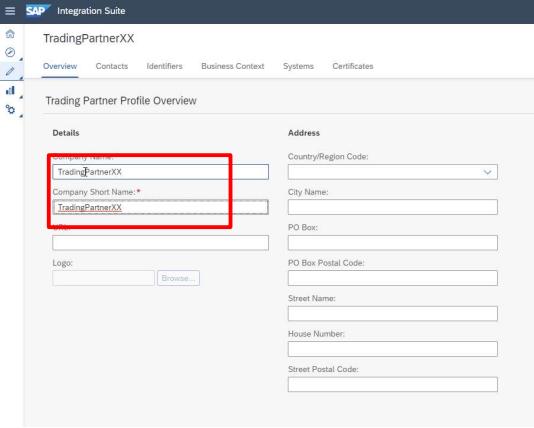
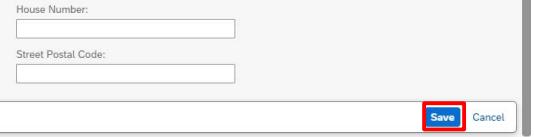
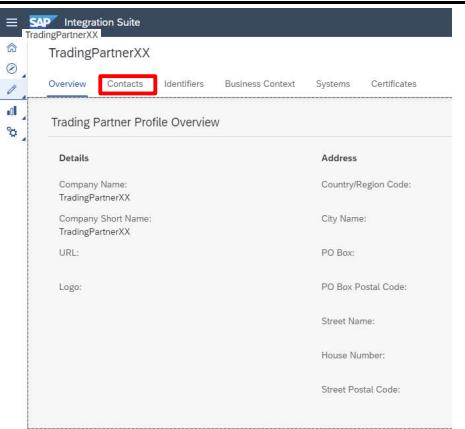
1.1 Create new Trading Partner

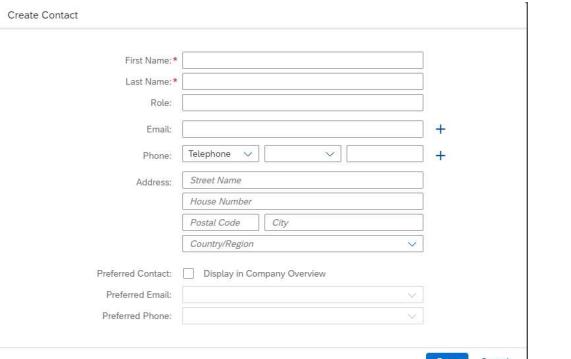
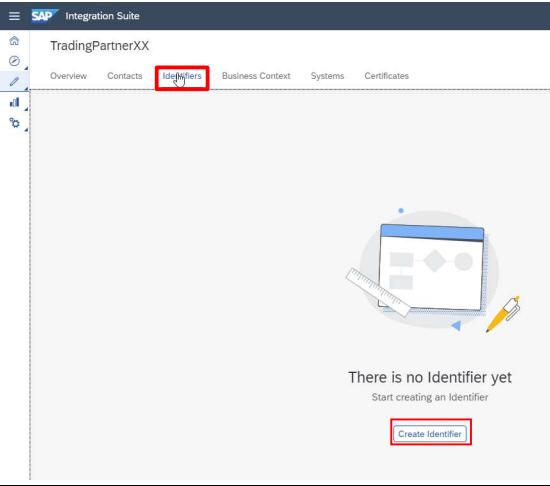
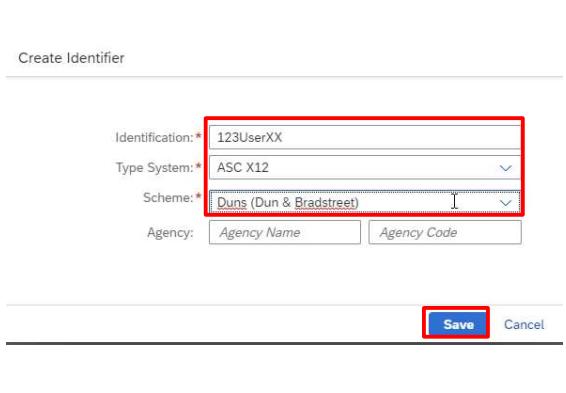
We have two tenants for this exercise. For the Groups 1-30 please use Tenant 1 and for the Groups 31-60 please use Tenant 2

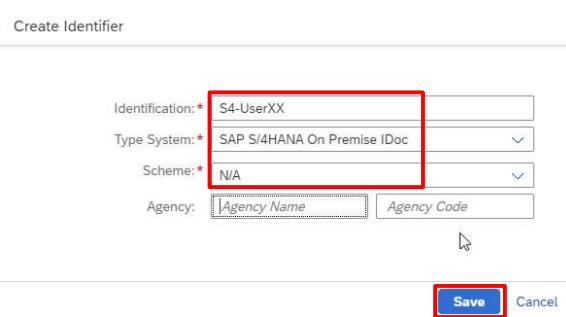
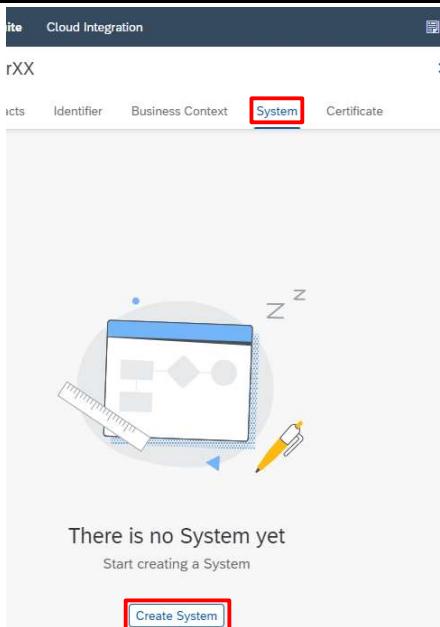
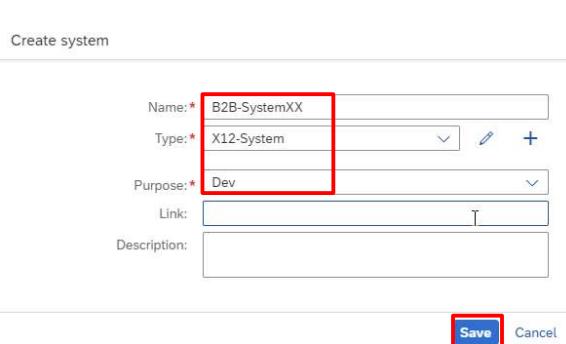
Tenant 1: Systems no longer available

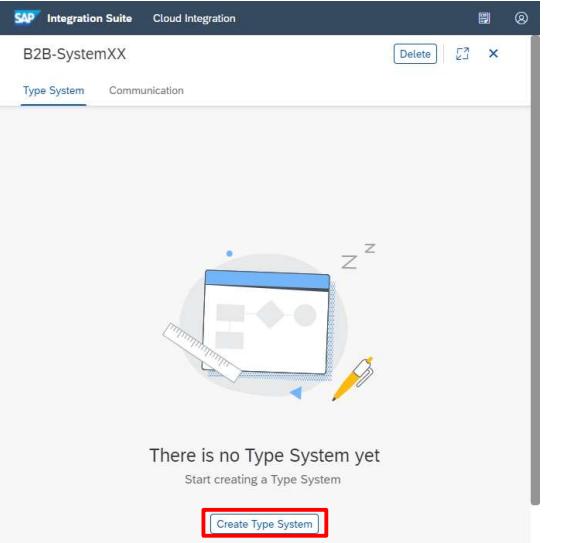
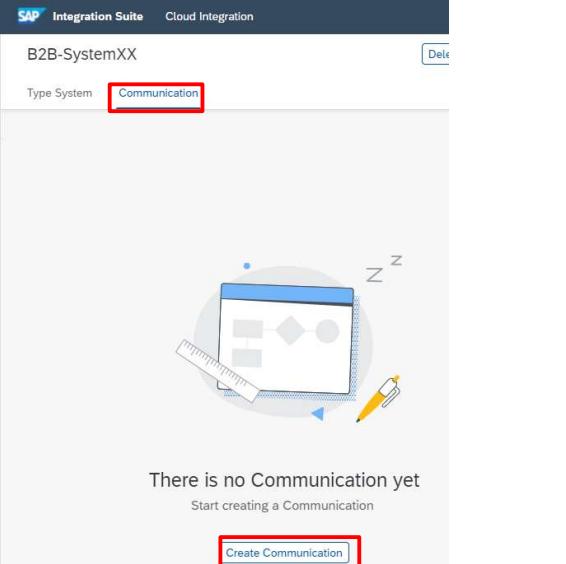
Tenant 2: Systems no longer available

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 Create to create a new Trading Partner.	 <p>The screenshot shows the SAP Integration Suite interface with the 'Trading Partners' tab selected. The top navigation bar includes 'Management', 'Trading Partners', 'Agreement Templates', and 'Agreements'. The main area displays a table with columns: Short Name, URL, Created By, Created Date, Last Modified By, and Last Modified Date. One row is visible with values: ABC, -, marco.ertel@sap.co, 2022-10-14T12:10:41.449Z, marco.ertel@sap.co, 2022-10-14T12:10:41.449Z. The 'Create' button in the toolbar is highlighted with a red box.</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'. It has two main sections: 'Details' and 'Address'. In the 'Details' section, the 'Company Name' field contains 'TradingPartnerXX' and the 'Company Short Name' field contains 'TradingPartnerXX', both of which are highlighted with a red box. The 'Address' section contains various address fields like Country/Region Code, City Name, PO Box, etc., all of which are empty or have placeholder text. The 'Save' button at the bottom right is highlighted with a red box.</p>
Please save the newly created Trading Partner.	 <p>The screenshot shows a confirmation dialog box with fields for 'House Number:' and 'Street Postal Code:', both of which are empty. At the bottom right, there are 'Save' and 'Cancel' buttons, with the 'Save' button 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'. The 'Contacts' tab in the navigation bar is highlighted with a red box. The rest of the screen, including the 'Details' and 'Address' sections, is identical to the previous screenshot.</p>

Explanation	Screenshot
<p>7. 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>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), select Type System ASC X12, and Scheme Duns (Dun & Bradstreet), then save the new identifier.</p>	

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

Explanation	Screenshot
<p>12. Select the beforehand created system to create the supported Type System. On tab Type System, select <i>Create Type System</i>.</p>	 <p>The screenshot shows the SAP Integration Suite interface for Cloud Integration. A modal dialog is open for creating a Type System. The dialog title is 'Create Type System'. It has two input fields: 'Name:' containing 'ASC X12' and 'Version:' containing '004010 X'. Both input fields are highlighted with a red box. At the bottom right of the dialog are 'Save' and 'Cancel' buttons.</p>
<p>13. Use ASC X12 and Version 004010, then save the new Type System.</p>	 <p>This is a continuation of the previous screenshot, showing the 'Create Type System' dialog with the 'Name' and 'Version' fields filled in. The 'Save' and 'Cancel' buttons are visible at the bottom.</p>
<p>14. Next, you need to maintain the communication details. Switch to tab Communication and select <i>Create Communication</i>.</p>	 <p>The screenshot shows the SAP Integration Suite interface for Cloud Integration. A modal dialog is open for creating a Communication. The dialog title is 'Create Communication'. It has two input fields: 'Name:' containing 'ASC X12' and 'Version:' containing '004010 X'. Both input fields are highlighted with a red box. At the bottom right of the dialog are 'Save' and 'Cancel' buttons.</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 TPM01 (Group 01-30) please use: https://teched-tpm01.it-cpi019-rt.cfapps.us10-002.hana.ondemand.com/as2/as2 if you are on TPM02 (Group 31-60) please use https://teched-tpm02.it-cpi019-rt.cfapps.us10-002.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

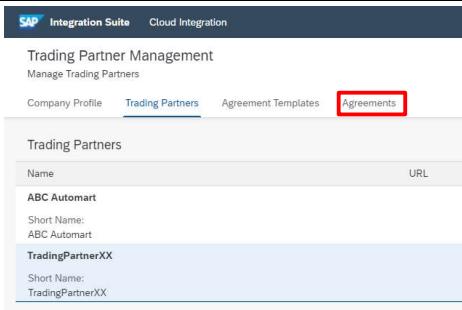
With the Agreement, you instantiate the agreement template where you need to fill out the details of the trading partners. TPM differentiates between **Identifiers** which will be used in the system of the company and Identifiers which are used in our example in the IDoc message. Let's have a look at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

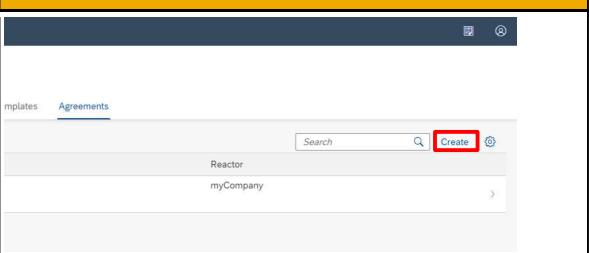
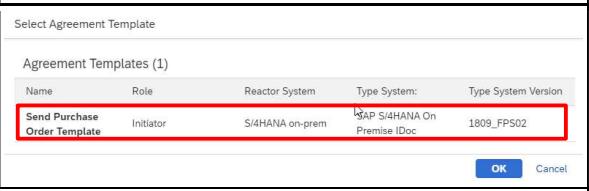
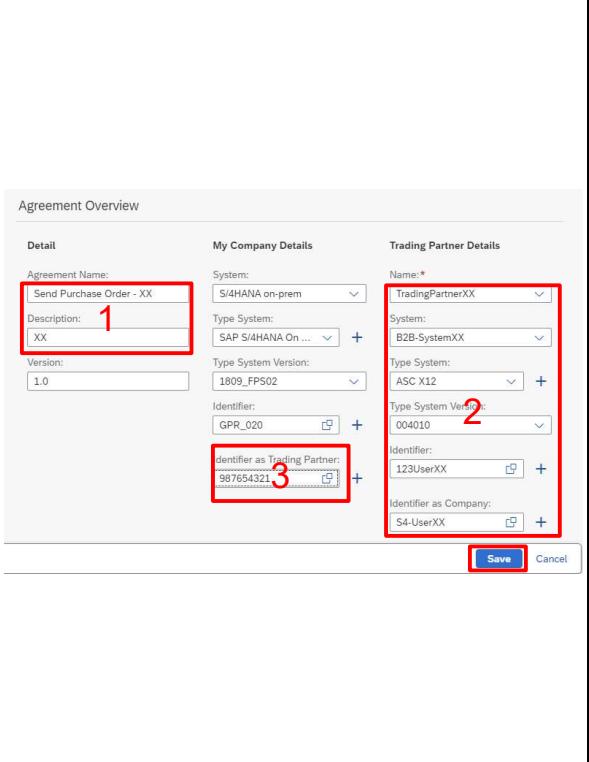
```
<ORDERS05 xmlns="urn:sap-com:document:sap:idoc:soap:messages">
<IDOC BEGIN="1">
<EDI_DC40 SEGMENT="1">
<TABNAM>EDI_DC40</TABNAM>
<DOCNUM>00000000000002</DOCNUM>
<DOCREL>1809_FPS02</DOCREL>
<DIRECT>2</DIRECT>
<OUTMOD>3</OUTMOD>
<IDOCTYP>ORDERS05</IDOCTYP>
<MESTYP>ORDERS</MESTYP>
<MESCOD>EX</MESCOD>
<MESFCT>A48</MESFCT>
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<REFGRP>4301367</REFGRP>
<REFMES>ORDERS05</REFMES>
<SERIAL>20221007071312</SERIAL>
```

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).

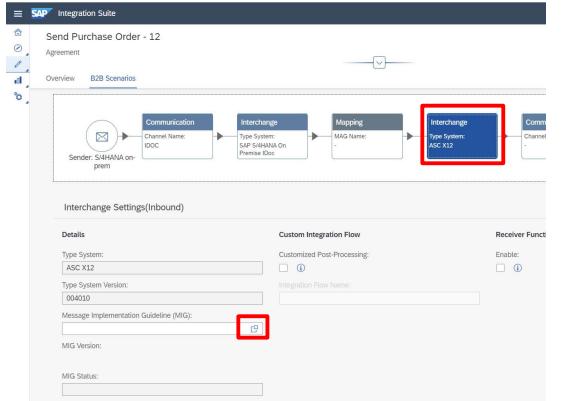
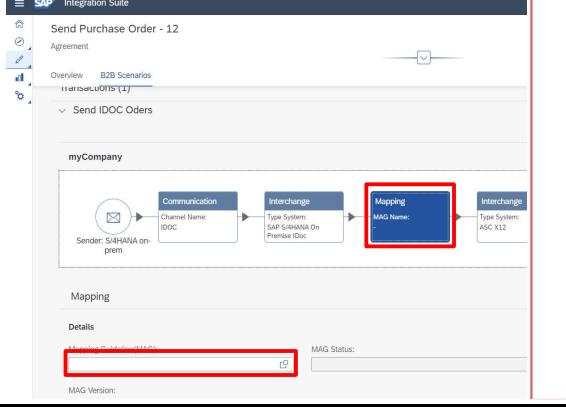
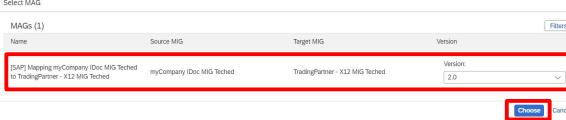
Commented [LM1]: Ich habe unseren Docu dazu verlinkt wie Identifiers bei uns benutzt werden

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

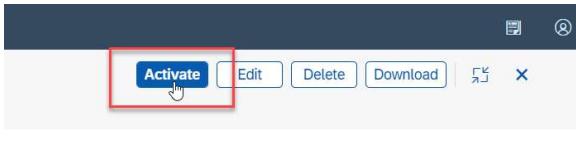
Explanation	Screenshot
<p>2. On the <i>Agreements</i> tab, create a new Agreement.</p>	
<p>3. In the upcoming dialog, select the existing Agreement Template Send Purchase Order Template and select OK.</p>	
<p>4. Please start with renaming the Agreement to Send Purchase Order - XX and change the Description. 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 TradingPartnerXX, System B2B-SystemXX, Type System ASC X12, Type System Version 4010, Identifier 123UserXX, and Identifier as Company S4XX. Finally, select the Identifier as Trading Partner 987654321 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>	

Explanation	Screenshot
5. For the newly created agreement, switch to the <i>Edit Mode</i>	 <p>Send Purchase Order - XX Agreement</p> <p>Initiator: myCompany Status: Draft</p> <p>Overview B2B Scenarios</p>
6. Navigate to the tab <i>B2B Scenarios</i> .	 <p>Send Purchase Order - XX 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</p> <p>myCompany TradingPartnerXX</p> <pre> graph LR Start(()) --> Comm1[Communication
Channel Name: IDOC
Sender: SAP/HANA On-prem] Comm1 --> Inter1[Interchange
Type System: SAP/SAP Basis On-prem/BDC] Inter1 --> Map1[Mapping
Map Name: SAP/SAP Basis On-prem
Target System: SAP R/3
Target Channel: 445 112] Map1 --> Inter2[Interchange
Type System: SAP R/3
Target System: SAP R/3
Target Channel: 445 112] Inter2 --> Comm2[Communication
Channel Name: SAP R/3
Target System: SAP R/3
Target Channel: 445 112] </pre>
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>Communication</p> <p>Communication</p> <p>Communication Channel Name: AS2</p>

Commented [LM2]: Update ab T9 RTC

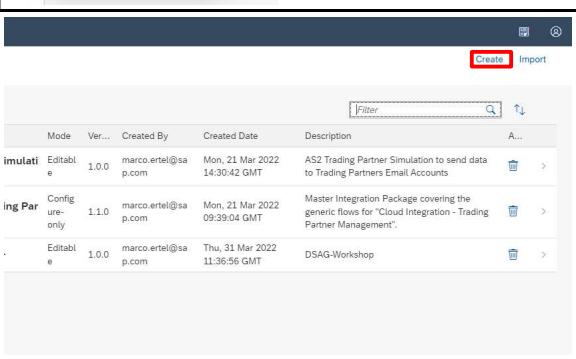
Explanation	Screenshot
<p>9. Please click now on the Interchange box to define the Message Implementation Guideline. Select the drop-down list.</p> <p>Note: The Message Implementation Guideline have been already prepared by using the Integration Advisor capability of SAP Integration Suite.</p>	
<p>10. In the pop up select TradingPartner – X12 MIG Teched and select Choose.</p>	
<p>11. Last step for the definition of the Agreement is to select the Mapping box (which is also prepared by using the Integration Advisor). Select the drop-down list.</p>	
<p>12. In the pop up select [SAP] Mapping myCompany IDoc MIG Teched to TradingPartner - X12 MIG Teched and select Choose.</p>	

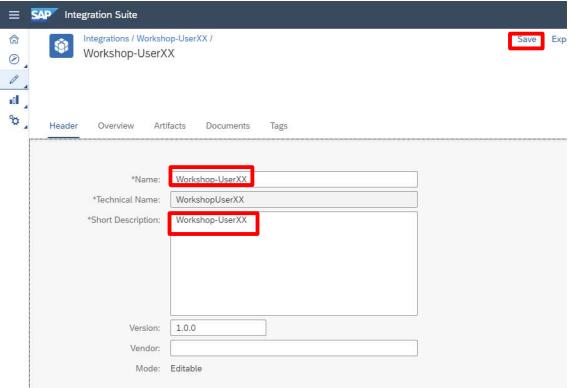
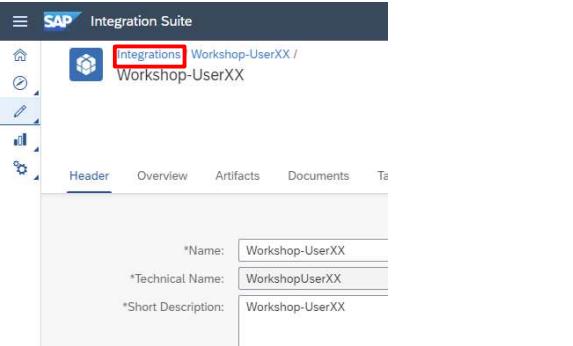
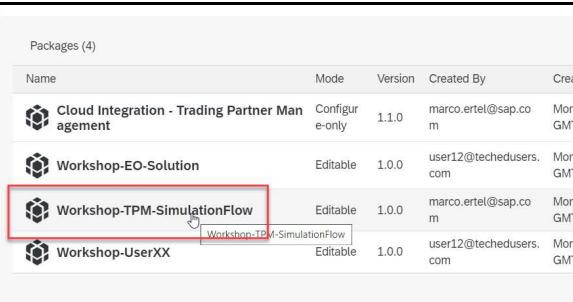
Commented [LM3]:

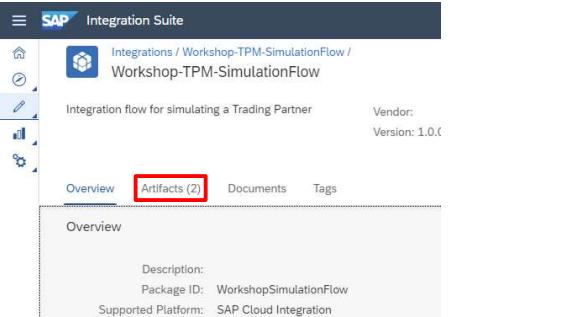
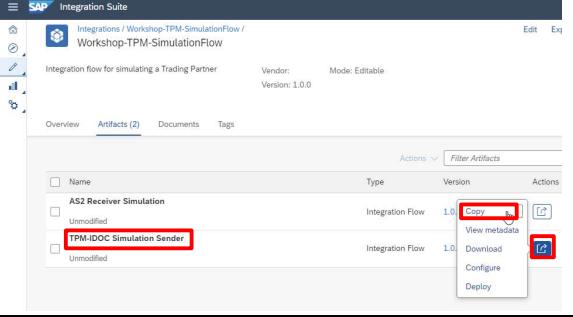
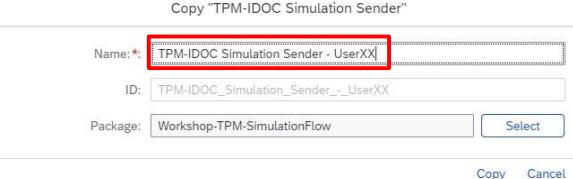
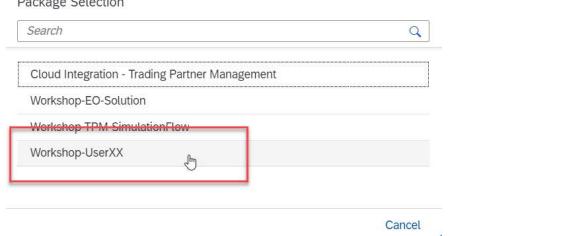
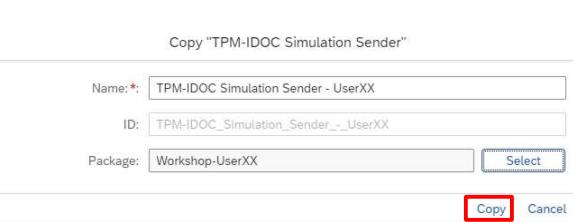
Explanation	Screenshot
13. Please save now the Agreement.	
14. Activate the Agreement to publish all necessary data to the Partner Directory of Cloud Integration. With this, the Status will change from Draft to Active.	

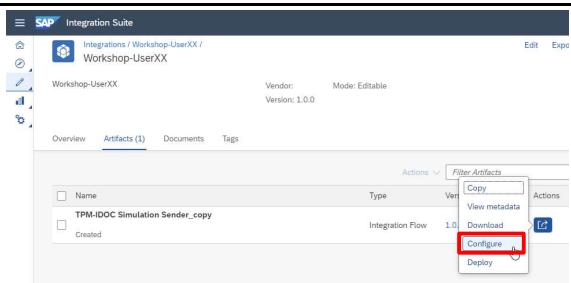
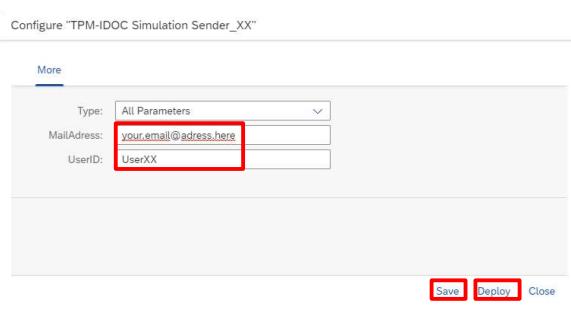
1.3 Prepare Simulation Flow and send a message

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 -> Integrations</i> .	
2. If you haven't done so before, create a new Package by clicking <i>Create</i> .	

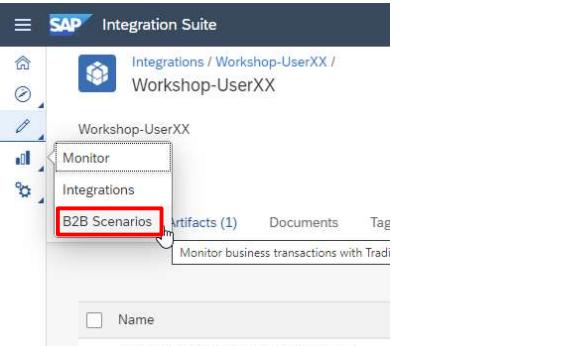
Explanation	Screenshot																									
<p>3. Use Workshop-UserXX for Name and Short Description with XX your user Id and save the package.</p>	 <p>The screenshot shows the SAP Integration Suite interface. A new package is being created with the following details:</p> <ul style="list-style-type: none"> Name: Workshop-UserXX Technical Name: WorkshopUserXX Short Description: Workshop-UserXX Version: 1.0.0 Vendor: (empty) Mode: Editable 																									
<p>4. Navigate back to the list of existing packages by clicking Integrations.</p>	 <p>The screenshot shows the SAP Integration Suite interface with the 'Integrations' section selected. The list of packages includes:</p> <ul style="list-style-type: none"> Cloud Integration - Trading Partner Management Workshop-EO-Solution Workshop-TPM-SimulationFlow (highlighted with a red box) Workshop-UserXX 																									
<p>5. Open the package Workshop-TPM-SimulationFlow.</p>	 <p>The screenshot shows the SAP Integration Suite interface with the 'Workshop-TPM-SimulationFlow' package selected. The table displays the following information:</p> <table border="1"> <thead> <tr> <th>Name</th> <th>Mode</th> <th>Version</th> <th>Created By</th> <th>Created On</th> </tr> </thead> <tbody> <tr> <td>Cloud Integration - Trading Partner Management</td> <td>Configurable-only</td> <td>1.1.0</td> <td>marco.ertel@sap.co</td> <td>Mon, 29 Mar 2021, 10:00 GMT</td> </tr> <tr> <td>Workshop-EO-Solution</td> <td>Editable</td> <td>1.0.0</td> <td>user12@techiedusers.com</td> <td>Mon, 29 Mar 2021, 10:00 GMT</td> </tr> <tr> <td>Workshop-TPM-SimulationFlow</td> <td>Editable</td> <td>1.0.0</td> <td>marco.ertel@sap.co</td> <td>Mon, 29 Mar 2021, 10:00 GMT</td> </tr> <tr> <td>Workshop-UserXX</td> <td>Editable</td> <td>1.0.0</td> <td>user12@techiedusers.com</td> <td>Mon, 29 Mar 2021, 10:00 GMT</td> </tr> </tbody> </table>	Name	Mode	Version	Created By	Created On	Cloud Integration - Trading Partner Management	Configurable-only	1.1.0	marco.ertel@sap.co	Mon, 29 Mar 2021, 10:00 GMT	Workshop-EO-Solution	Editable	1.0.0	user12@techiedusers.com	Mon, 29 Mar 2021, 10:00 GMT	Workshop-TPM-SimulationFlow	Editable	1.0.0	marco.ertel@sap.co	Mon, 29 Mar 2021, 10:00 GMT	Workshop-UserXX	Editable	1.0.0	user12@techiedusers.com	Mon, 29 Mar 2021, 10:00 GMT
Name	Mode	Version	Created By	Created On																						
Cloud Integration - Trading Partner Management	Configurable-only	1.1.0	marco.ertel@sap.co	Mon, 29 Mar 2021, 10:00 GMT																						
Workshop-EO-Solution	Editable	1.0.0	user12@techiedusers.com	Mon, 29 Mar 2021, 10:00 GMT																						
Workshop-TPM-SimulationFlow	Editable	1.0.0	marco.ertel@sap.co	Mon, 29 Mar 2021, 10:00 GMT																						
Workshop-UserXX	Editable	1.0.0	user12@techiedusers.com	Mon, 29 Mar 2021, 10:00 GMT																						

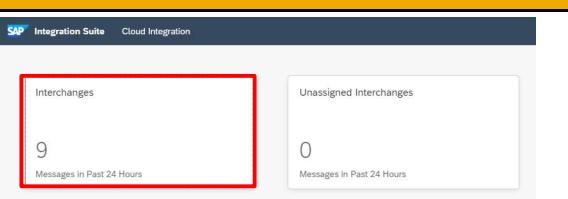
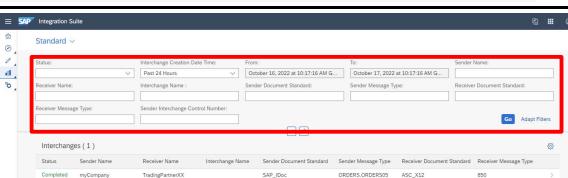
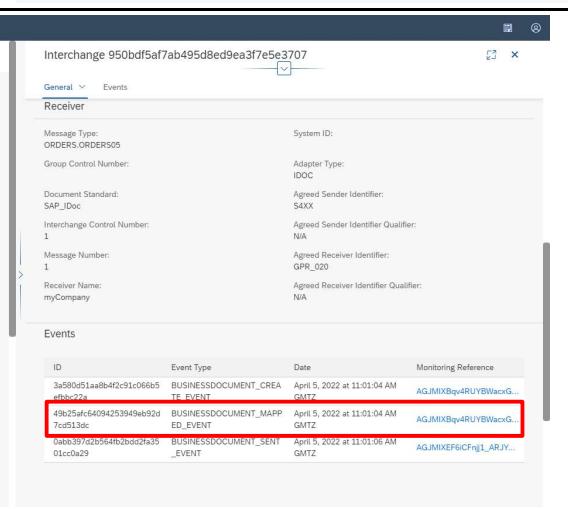
Explanation	Screenshot
6. In the package, switch to tab <i>Artifacts</i> .	
7. Copy the integration flow <i>TPM-IDOC Simulation Sender</i> to your own package. Select <i>Copy</i> from the <i>Actions</i> menu of the <i>TPM-IDOC Simulation Sender</i> integration flow.	
8. In the popup, change the name 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> .	

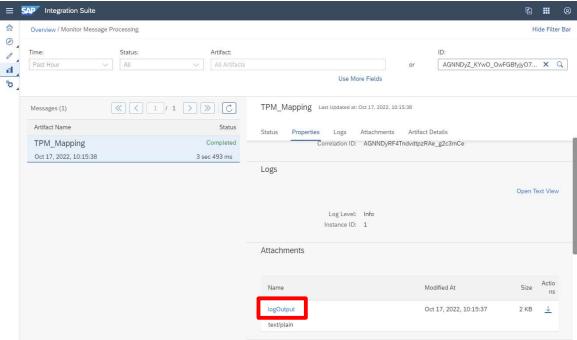
Explanation	Screenshot
11. On the next dialog, select <i>Navigate</i> to open your package.	
12. You now have to <i>Configure</i> the integration flow. Select <i>Configure</i> from the <i>Actions</i> menu of the TPM-IDOC Simulation Sender - UserXX integration flow.	
13. Please configure the integration flow with your mail address and UserID <i>UserXX</i> . The transformed message will be sent to this Mailaddress. 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.	

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
1. Navigate to the B2B Monitoring by selecting <i>Monitor</i> → <i>B2B Scenarios</i> .	

Explanation	Screenshot																
2. On the tiles you see how many interchanges had been processed in the last 24 hours. Click on the left tile.	 <p>The screenshot shows the SAP Integration Suite Cloud Integration interface. There are two main tiles: 'Interchanges' which displays the value '9' and 'Messages in Past 24 Hours', and 'Unassigned Interchanges' which displays the value '0' and 'Messages in Past 24 Hours'. The 'Interchanges' tile is highlighted with a red box.</p>																
3. Now you see all messages from the last 24 hours. You can restrict them by using the filters.	 <p>The screenshot shows the SAP Integration Suite interface with a search bar at the top. Below it is a table titled 'Interchanges (1)' with one row. The row contains columns for Status, Sender Name, Receiver Name, Interchange Name, Sender Document Standard, Sender Message Type, Receiver Document Standard, and Receiver Message Type. The entire search bar area is highlighted with a red box.</p>																
4. Click on one of your <i>Completed</i> interchanges.	 <p>The screenshot shows the SAP Integration Suite interface with a search bar at the top. Below it is a table titled 'Interchanges (1)' with one row. The row contains columns for Status, Sender Name, Receiver Name, Interchange Name, Sender Document Standard, Sender Message Type, Receiver Document Standard, and Receiver Message Type. The row for 'Completed' is highlighted with a red box.</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.	 <p>The screenshot shows the SAP Integration Suite interface for a specific interchange. It includes sections for 'General' (with fields like System ID, Adapter Type, and Document Standard) and 'Events' (with a table of monitoring events). The 'Events' table has three rows, with the second row highlighted with a red box.</p> <table border="1" data-bbox="474 1311 964 1417"> <thead> <tr> <th>ID</th> <th>Event Type</th> <th>Date</th> <th>Monitoring Reference</th> </tr> </thead> <tbody> <tr> <td>3a580d51aa8b4f2c91c066b5</td> <td>BUSINESSDOCUMENT_CREA</td> <td>April 5, 2022 at 11:01:04 AM</td> <td>AGJMIXBq4RUYBWacxG... GMIZ</td> </tr> <tr> <td>49b25fc64094253949eb92d</td> <td>BUSINESSDOCUMENT_MAPP</td> <td>April 5, 2022 at 11:01:04 AM</td> <td>AGJMIXBq4RUYBWacxG... 7c51513dc</td> </tr> <tr> <td>0a8b3972b554fb2bd2f2e39</td> <td>BUSINESSDOCUMENT_SENT</td> <td>April 5, 2022 at 11:01:06 AM</td> <td>AGJMIXEFICFng1_ARJY...</td> </tr> </tbody> </table>	ID	Event Type	Date	Monitoring Reference	3a580d51aa8b4f2c91c066b5	BUSINESSDOCUMENT_CREA	April 5, 2022 at 11:01:04 AM	AGJMIXBq4RUYBWacxG... GMIZ	49b25fc64094253949eb92d	BUSINESSDOCUMENT_MAPP	April 5, 2022 at 11:01:04 AM	AGJMIXBq4RUYBWacxG... 7c51513dc	0a8b3972b554fb2bd2f2e39	BUSINESSDOCUMENT_SENT	April 5, 2022 at 11:01:06 AM	AGJMIXEFICFng1_ARJY...
ID	Event Type	Date	Monitoring Reference														
3a580d51aa8b4f2c91c066b5	BUSINESSDOCUMENT_CREA	April 5, 2022 at 11:01:04 AM	AGJMIXBq4RUYBWacxG... GMIZ														
49b25fc64094253949eb92d	BUSINESSDOCUMENT_MAPP	April 5, 2022 at 11:01:04 AM	AGJMIXBq4RUYBWacxG... 7c51513dc														
0a8b3972b554fb2bd2f2e39	BUSINESSDOCUMENT_SENT	April 5, 2022 at 11:01:06 AM	AGJMIXEFICFng1_ARJY...														

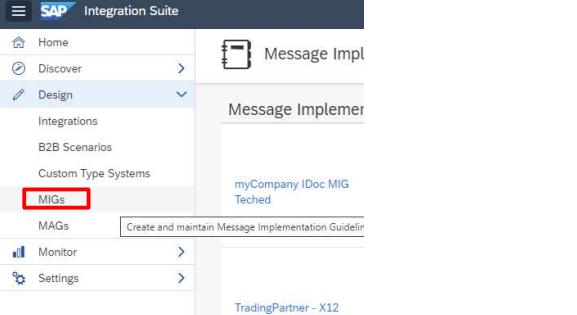
Explanation	Screenshot
<p>6. Depending on the Event you've selected, you see here more details on a technical level to solve issues if necessary.</p>	

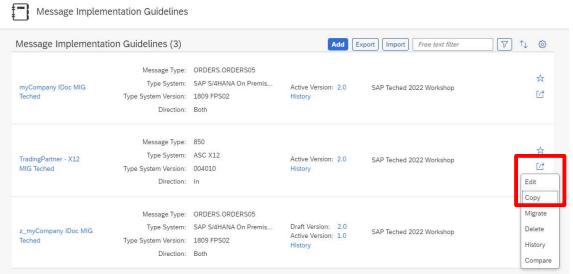
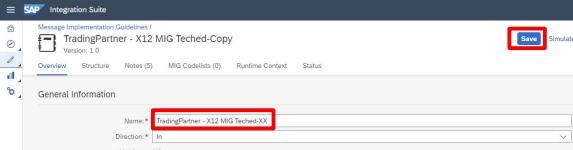
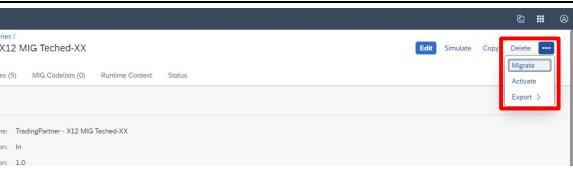
Congrats, you have successfully completed the first exercise.

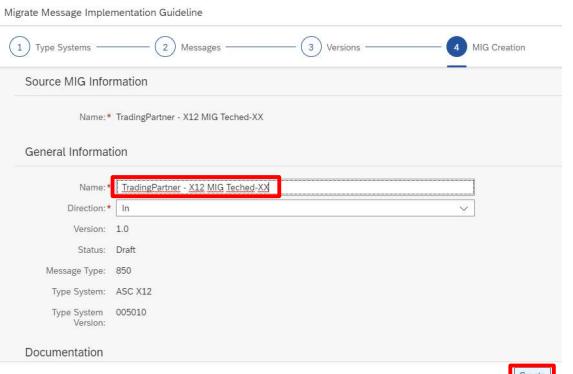
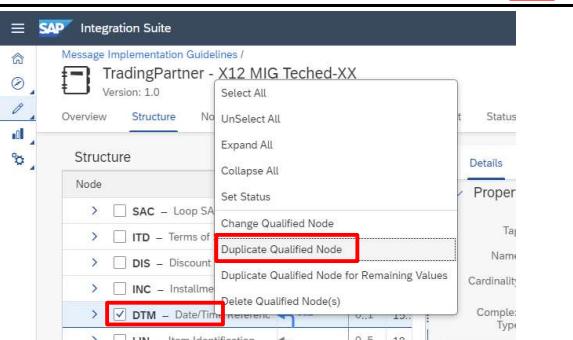
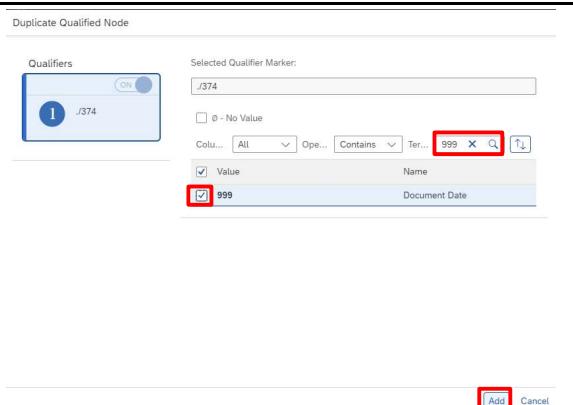
2 OPTIONAL: EXERCISE 2

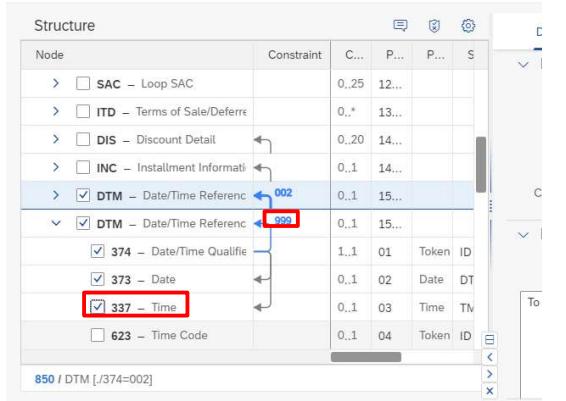
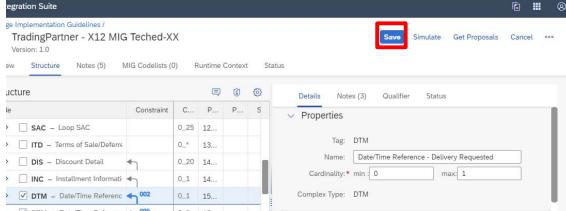
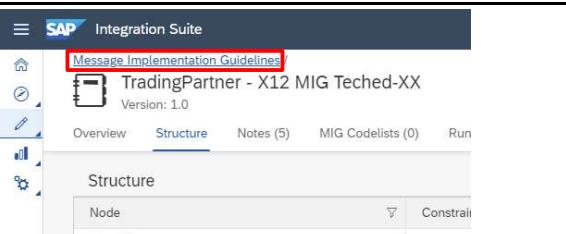
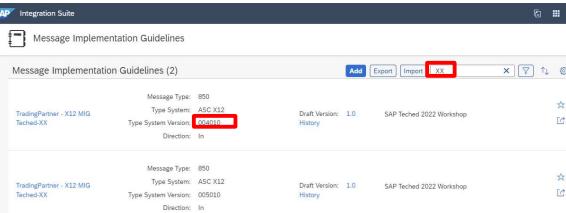
2.1 Update MIG of the Trading Partner to a new Version

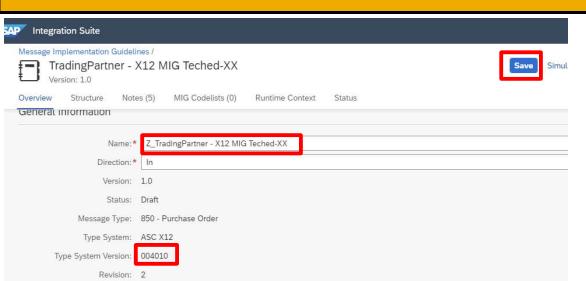
Your Trading Partner now has upgraded his system and wants to get no longer a X12 850 with version 4010 but version 5010 and also expects an additional DTM field.

Explanation	Screenshot
<p>1. Log on to the Integration Suite tenant with your system details provided to you by the instructors.</p>	
<p>2. Navigate to the MIGs (Design->MIGs)</p>	

Explanation	Screenshot
3. Copy the MIG <i>TradingPartner - X12 MIG Teched</i>	
4. Switch in the copied MIG to the Edit Mode	
5. Navigate to the Overview Tab and rename it to <i>TradingPartner - X12 MIG Teched-XX</i> (with XX your group number) and save the MIG.	
6. Now you can migrate the MIG from version 4010 to version 5010. Click the Overflow button '...' then <i>Migrate</i> .	
7. Click on Version 005010.	

Explanation	Screenshot
<p>8. Change the name by deleting the <i>migrated</i> path that it will have the name <i>TradingPartner – X12 MIG Teched-XX</i> (with XX your group number). Then click on <i>Create</i>.</p>	
<p>9. Now please add a new DTM node, qualified with value 999 (Document Date). To create this, select the DTM Node and then right-click for the context menu and select there the entry <i>Duplicate Qualified Node</i>.</p>	
<p>10. Search now for 999, select the checkbox and press <i>Add</i>.</p>	

Explanation	Screenshot
<p>11. This adds another DTM node with the Qualifier value 999 which has to be modified as the Trading Partner also wants to have the time (337) in the message. Open the DTM Node and checkmark the 337.</p>	
<p>12. Save the MIG.</p>	
<p>13. Rename the 4010 MIG to make the next steps easier. For this go to the list of MIGs.</p>	
<p>14. Search your MIG by entering the group number in the search field and select the one with the version 4010. Open that MIG.</p>	
<p>15. Switch to the Edit Mode and navigate to the Overview</p>	

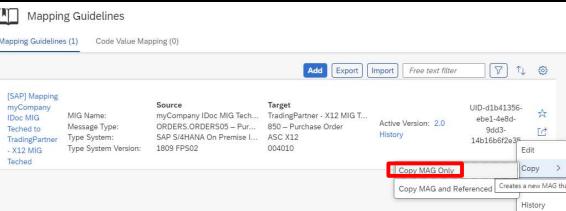
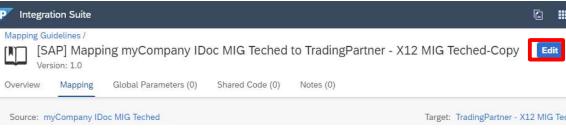
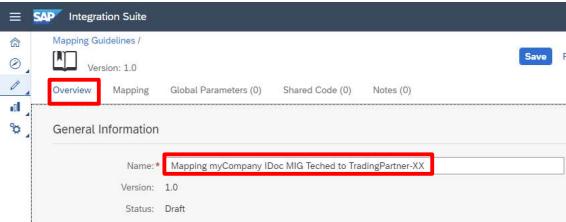
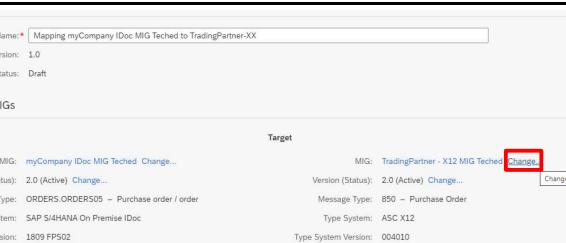
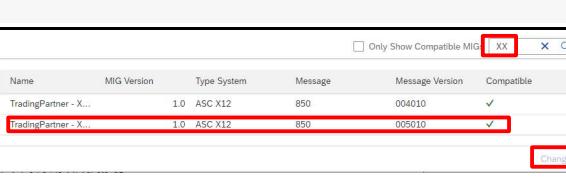
Explanation	Screenshot
<p>16. Be sure it is the one with the version 004010(!) and then rename it to Z_TradingPartner - X12 MIG Teched-XX And press Save.</p>	

2.2 Create a NEW MAG to fit the updated MIG

As the MIG has changed also some changes in the mapping are necessary.
und möchte anderes Datumsformat, sowie ein paar weitere Mappingänderungen:

copy MAG auf eigenes MAG (und umbenennen)
austausch des Target MIG durch das neu erstellte MIG
ändern des mappings
-löschen des Mappings von credat nach BEG 374
-anlegen E1EDK02_001->DATUM nach BEG373
-anlegen E1EDK03_002->DTM(374=002)->373
-anlegen E1EDK03_12 DATUM->DTM(374=999)->373
-anlegen E1EDK03_12 UZEIT->DTM(374=999)->374
Datumsformat ändern

Explanation	Screenshot
<p>1. Log on to the Integration Suite tenant with your system details provided to you by the instructors.</p>	

Explanation	Screenshot
2. Navigate to the MAGs (Design->MAGs)	
3. Copy the original MAG (<i>[SAP] Mapping myCompany IDoc MIG Teched to TradingPartner - X12 MIG Teched</i>). Please copy only the MAG (see Screenshot) as otherwise the MIGs also will be copied.	
4. In the copied MAG switch to <i>Edit</i> Mode.	
5. Navigate to the Overview Tab to rename the MAG <i>Mapping myCompany IDoc MIG Teched to TradingPartner-XX</i> (with XX your group number)	
6. Replace the Target MIG with the MIG you've created in Exercise 2.1 by clicking on the <i>Change</i> of the Target MIG.	
7. Enter your group Number in the search field. Then select the MIG with the Message Version 005010 and click on <i>Change</i> .	

Explanation	Screenshot
8. Switch back to the Tab Mapping. Search for the Mapping from EDI_DC40->CREDAT to BEG->373	
9. Acknowledge the warning.	
10. Switch to the Mapping Tab of the source MAG and search for the connection from EDI_DC40->CREDAT to BEG->373 and do a click with the right mouse button on the line to delete.	
11. Now we need to create some new mappings: search for E1EDK03[IDDAT=012]->DATUM and connect this to DTM[374=999]->373 and UZEIT to 337.	
12. Select now the line connecting the two date fields and select function in the lower part and Switch to Date Time Mapping.	
13. Select for the Source Format: DDMMCCYY and for the target format CCYYMMDD	

Explanation	Screenshot
14. Save the MAG	

2.3 Simulate new MAG in the Integration Advisor

Directly in the Integration Advisor you can now simulate the mapping. Either with test data coming directly from the MIG or by uploading a payload.

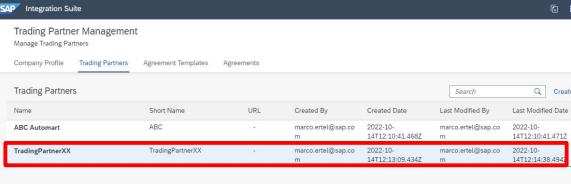
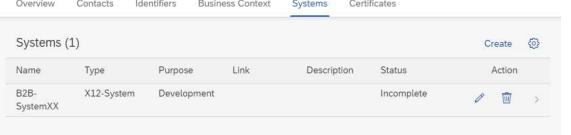
The needed payload can be found here in [github Teched-Test-payload.xml](#). Please download it.

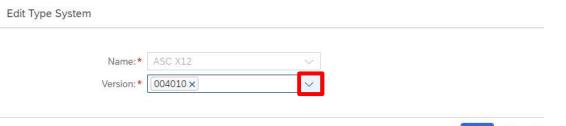
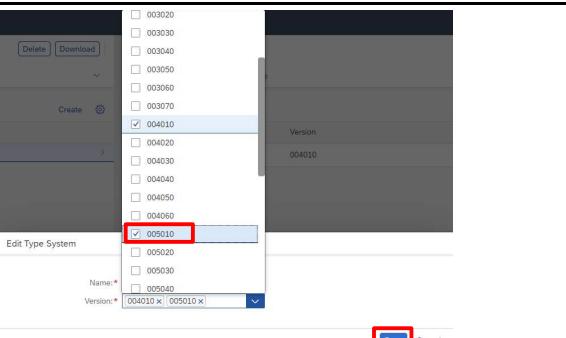
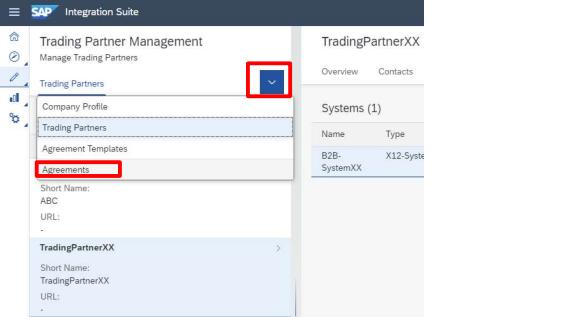
Explanation	Screenshot
1. Click now on the <i>Simulate</i> Button and select <i>Simulate with Payload Data</i> .	
2. Using the <i>Browse</i> Button navigate to the downloaded <i>Teched-Test-payload.xml</i>	
3. And press <i>OK</i>	
4. Now a new column on the source and target side of the mapping is added where the values from the payload and the result of the mapping is displayed. If you need to modify the mapping, you can easily rerun the simulation with the button	

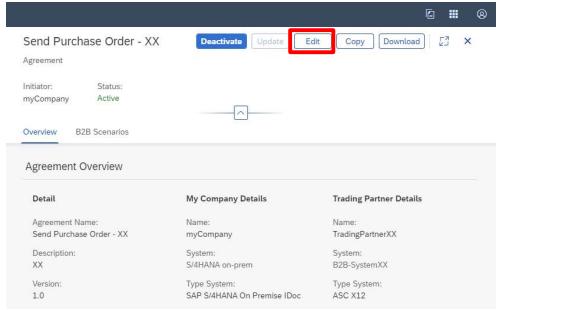
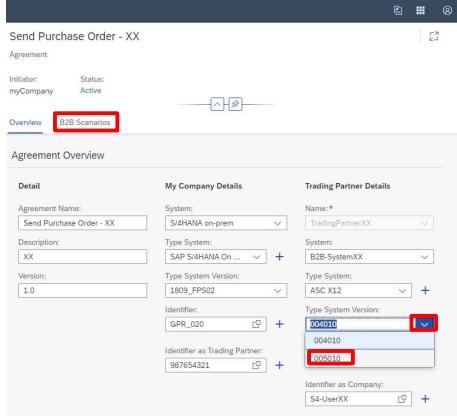
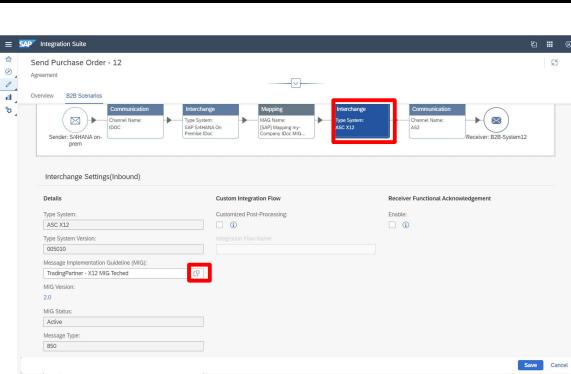
3 OPTIONAL: EXERCISE 3

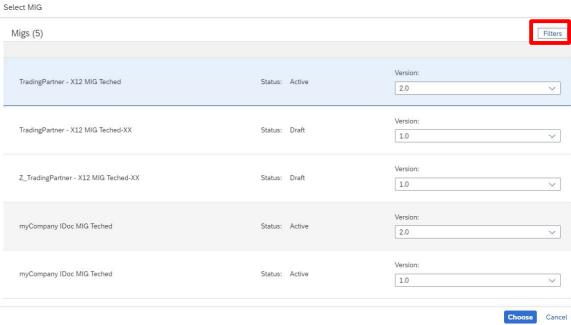
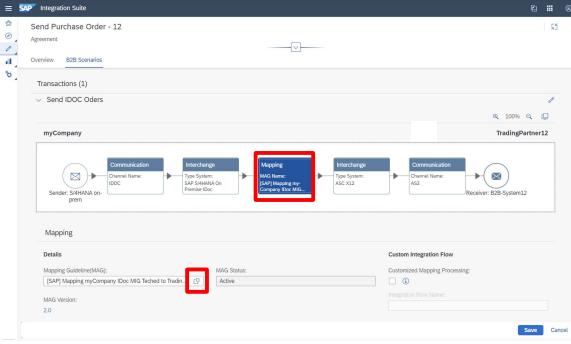
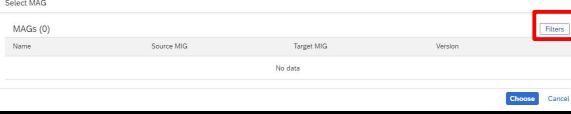
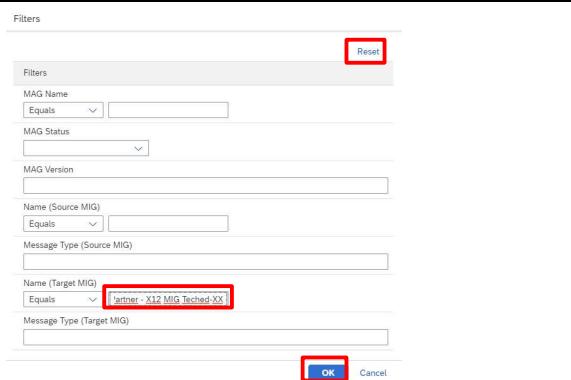
3.1 use new MIG and MAG in TPM

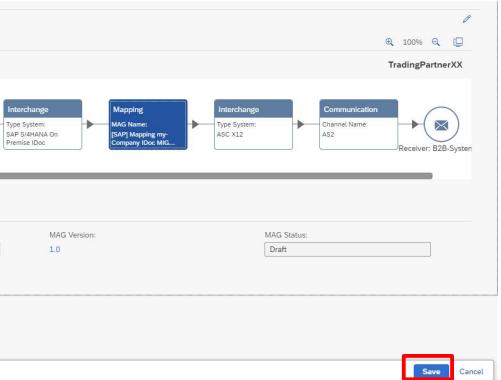
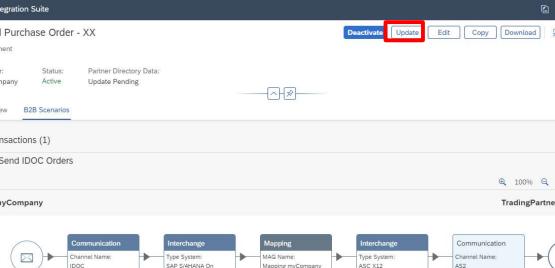
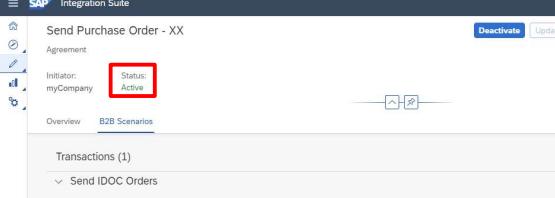
After you've now created a new Target MIG and adjusted the MAG this should be used also in the TPM.

Explanation	Screenshot
<p>1. Log on to the Integration Suite tenant with your system details provided to you by the instructors.</p>	
<p>2. Navigate to the B2B Scenarios (Design->B2B Scenarios)</p>	
<p>3. As the Trading Partner now wants a message in the version 5010 this has to be added in its systems. Select your Trading Partner (TradingPartnerXX with XX your group number)</p>	
<p>4. Navigate to the Systems and open the B2B-SystemXX by selecting it.</p>	
<p>5. Now the Type System has to be modified. Please click on the pencil.</p>	

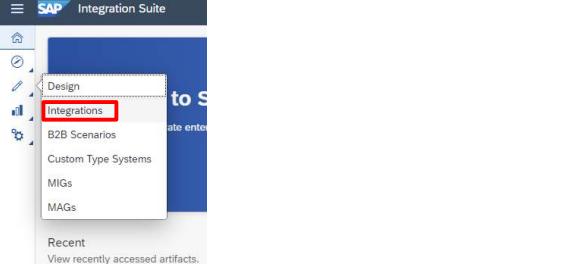
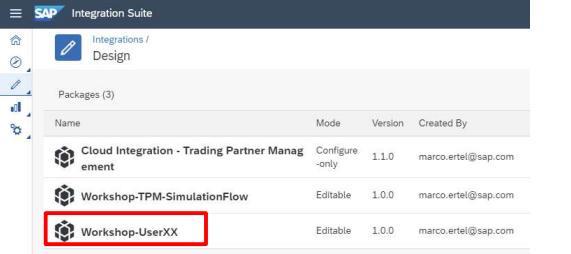
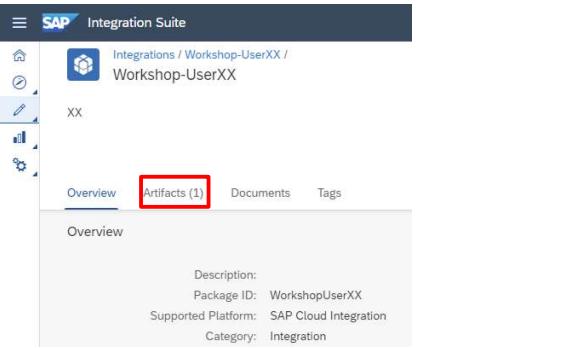
Explanation	Screenshot
6. Open the drop-down Box for the versions	 <p>The screenshot shows the 'Edit Type System' dialog. At the top, there are fields for 'Name' (set to 'ASC X12') and 'Version' (set to '004010 x'). Below these is a dropdown menu labeled 'Version' containing a list of version numbers from 003620 to 004090. The option '005010' is highlighted with a red box and has a checkmark next to it. At the bottom right of the dialog are 'Save' and 'Cancel' buttons.</p>
7. And select version 005010 and save.	 <p>This screenshot continues from the previous one, showing the 'Edit Type System' dialog after the version has been changed. The 'Version' dropdown now shows '005010' as the selected item. The 'Save' button at the bottom right is highlighted with a red box.</p>
8. Navigate to your Trading Partner Agreement by closing the System	 <p>The screenshot shows the SAP Integration Suite interface with the 'B2B-SystemXX' header. Under the 'Type Systems' tab, a table titled 'Selected Type Systems' lists 'ASC X12' with versions '004010' and '005010'. The '005010' row is highlighted with a red box. There is also a red box highlighting the close button in the top right corner of the dialog.</p>
9. Then select the Agreements in the menu	 <p>The screenshot shows the SAP Integration Suite interface with the 'Trading Partner Management' menu expanded. The 'Agreements' option is highlighted with a red box. To the right, a detailed view of 'TradingPartnerXX' is shown, including its short name and URL.</p>
10. Select your Agreement (Send Purchase Order - XX with XX your group number)	 <p>The screenshot shows the SAP Integration Suite interface with the 'Agreements' list. One agreement is selected and highlighted with a red box. The list includes 'Send Purchase Order - XX' and another entry that is partially visible.</p>

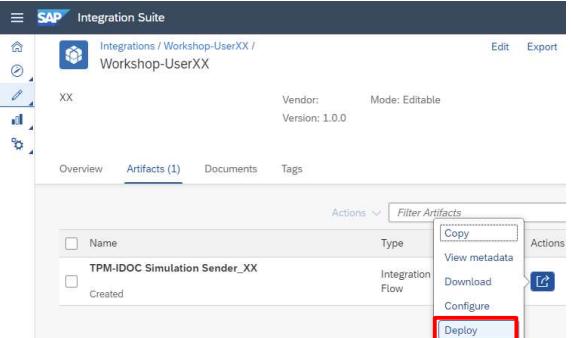
Explanation	Screenshot
11. Switch to the <i>Edit Mode</i> .	
12. Change now the used Type System Version of the Trading Partner from 4010 to 5010 using the dropdown and then navigate to the <i>B2B Scenarios</i> .	
13. There you have to exchange the used MIG and MAG. Let's start with the MIG. Select the right Interchange and then use the drop down for the MIG.	

Explanation	Screenshot
<p>14. As there might be a lot of MIGs in the system you can use the <i>Filter</i> or if you know already the correct MIG (<i>TradingPartner - X12 MIG Teched-XX with XX your group number</i>) you can directly select it</p>	
<p>15. The newly created MAG has now to be assigned by clicking on the <i>Mapping</i> and then using the drop-down</p>	
<p>16. Please modify the filter.</p>	
<p>17. Reset the filter and enter the Name of the Target MIG (<i>TradingPartner - X12 MIG Teched-XX with XX your group number</i>)</p>	
<p>18. Select the MAG you've created in Exercise 2.2</p>	

Explanation	Screenshot
19. The Agreement is now changed, needs to be saved.	
20. And the necessary data in the Partner Directory needs to be updated.	
21. Check if the update was successful.	

3.2 send new test message

Explanation	Screenshot
1. Log on to the Integration Suite tenant with your system details provided to you by the instructors.	
2. Navigate to Design-> Integrations	
3. Navigate to your package <i>Workshop-UserXX</i> (with your XX your group number)	
4. In the Package navigate to the Artifacts	

Explanation	Screenshot
5. Now deploy the iflow again which sends again a test message	
6. You should get a new mail in your inbox and can use the monitoring features from chapter 1.4	