



Public

## **SAP Teched 2022**

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

Exercise

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# TABLE OF CONTENTS

0	INTRODUCTION .....	3
1	EXERCISE 1 .....	3
1.1	Create new Trading Partner .....	4
1.2	Use Agreement Template to create an agreement .....	10
1.3	Prepare Simulation Flow and send a message .....	13
1.4	Monitor the scenario .....	17
2	OPTIONAL: EXERCISE 2 .....	18
2.1	Update MIG of the Trading Partner to a new Version .....	18
2.2	Create a NEW MAG to fit the updated MIG .....	22
2.3	Simulate new MAG in IA .....	25
3	OPTIONAL: EXERCISE 3 .....	26
3.1	use new MIG and MAG in TPM .....	26
3.2	send new test message .....	31

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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

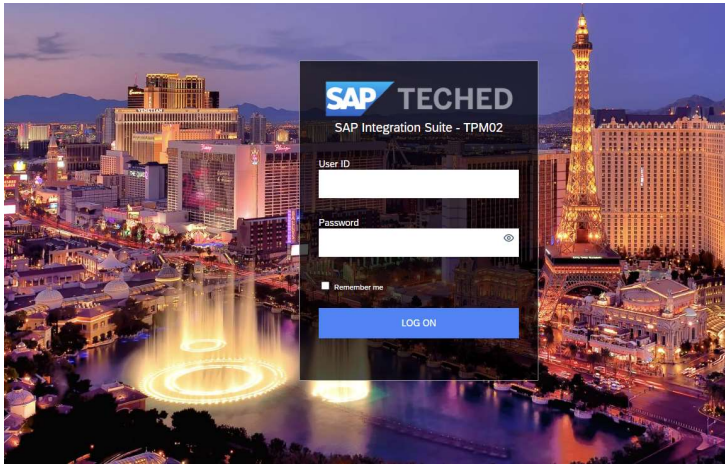
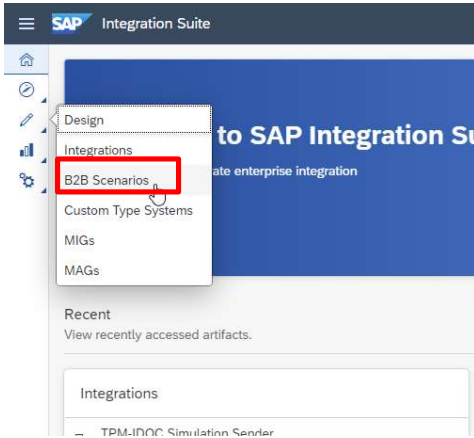
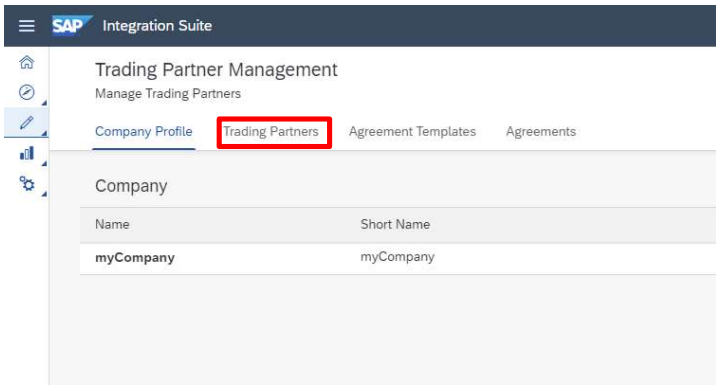
We have two tenants for this exercise. For the Groups 1-30 please use Tenant 1 and for the Groups 31-60 please use Tenant 2

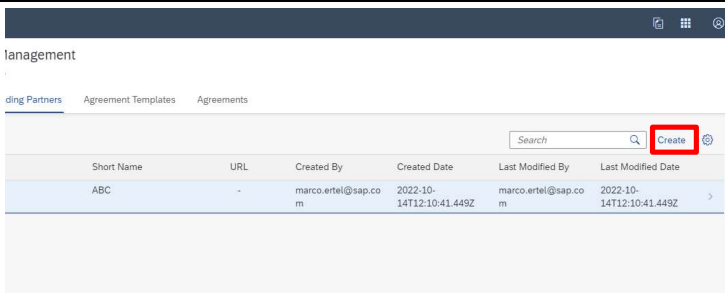
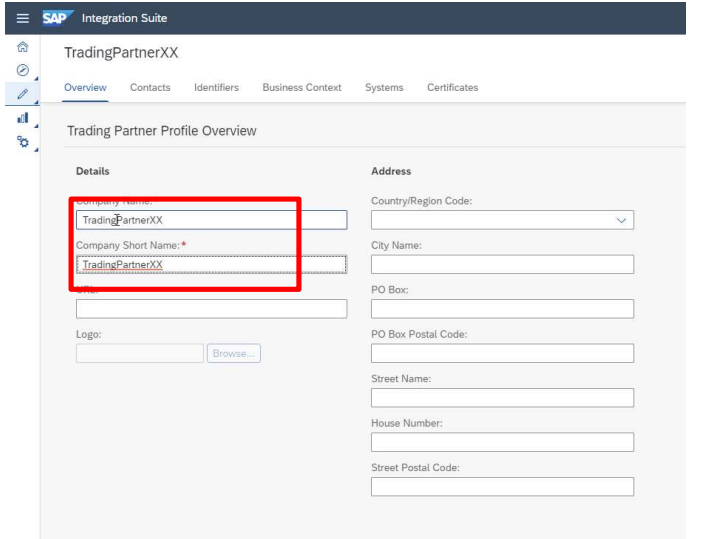

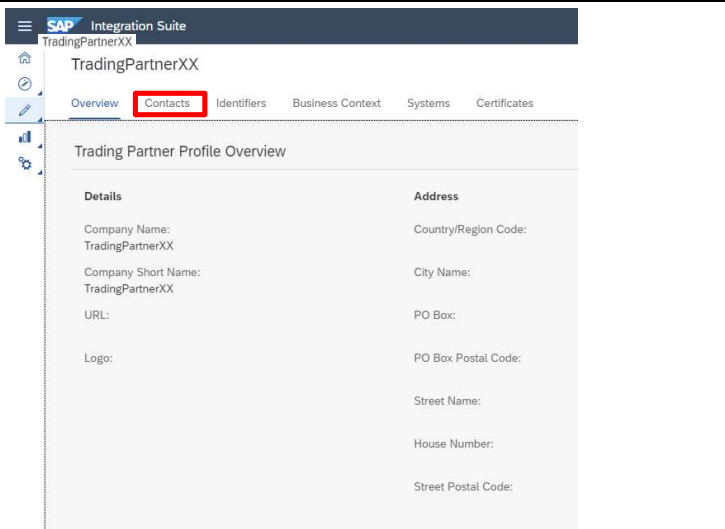
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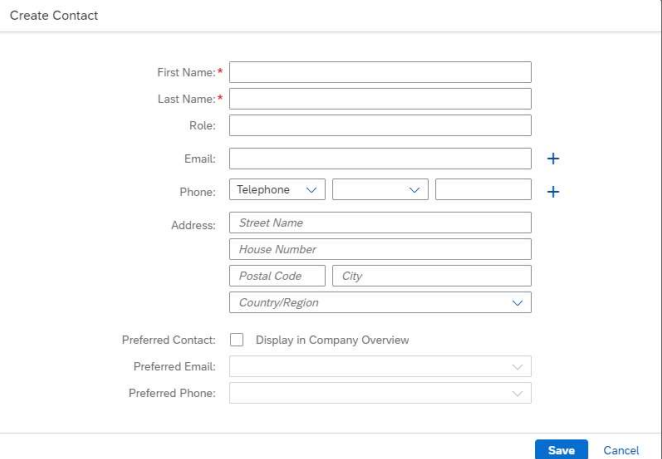
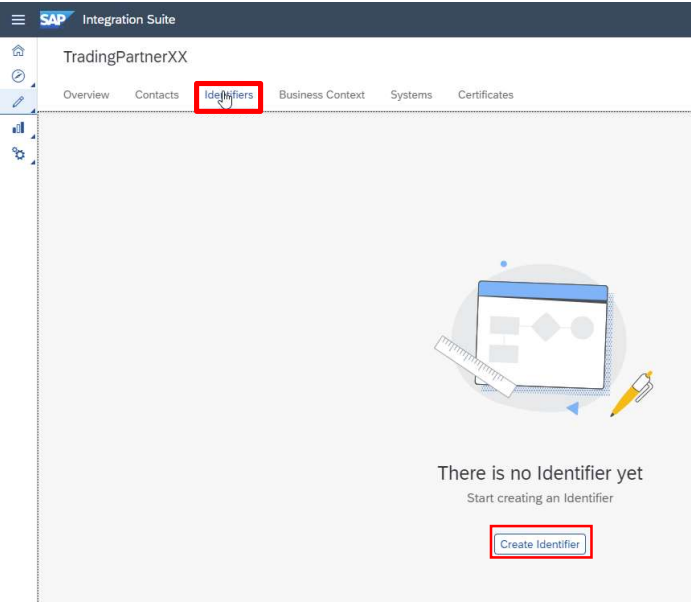
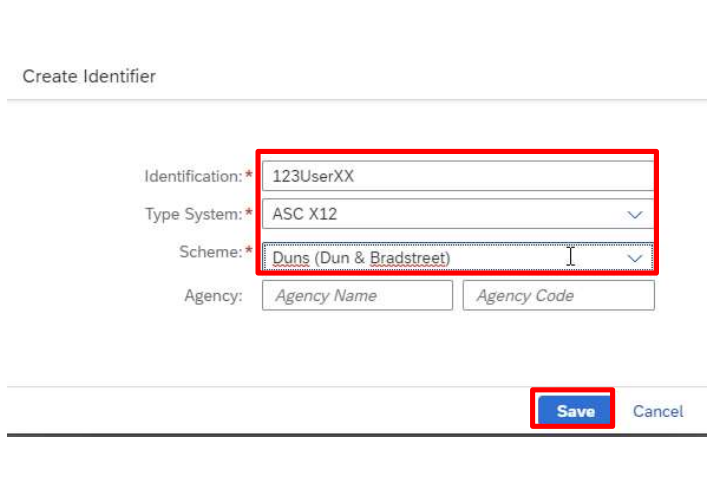
Tenant 2: <https://teched-tpm02.integrationsuite.cfapps.us10-002.hana.ondemand.com/>

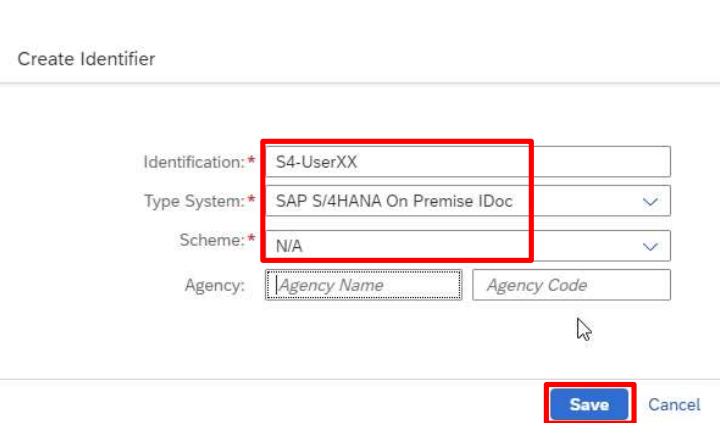
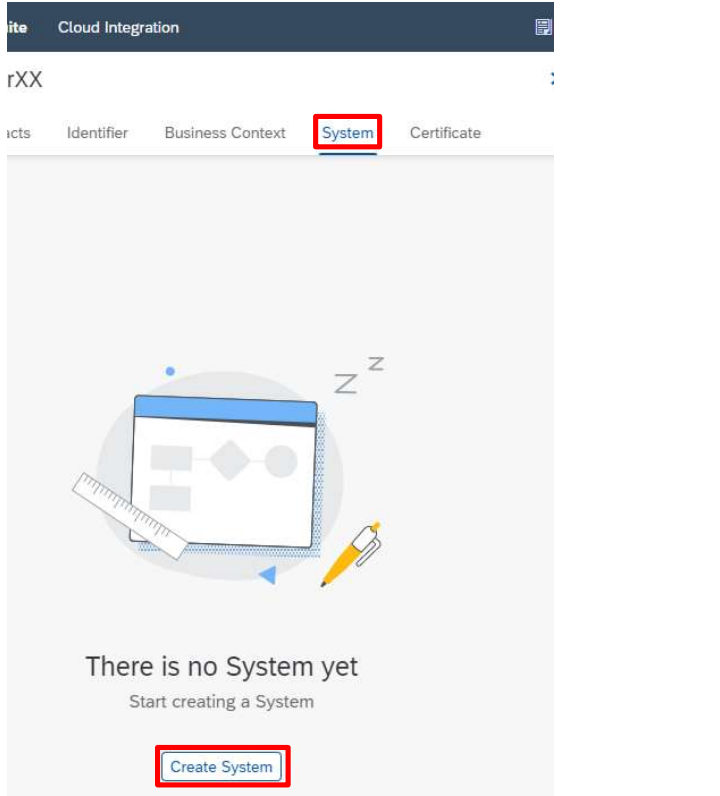
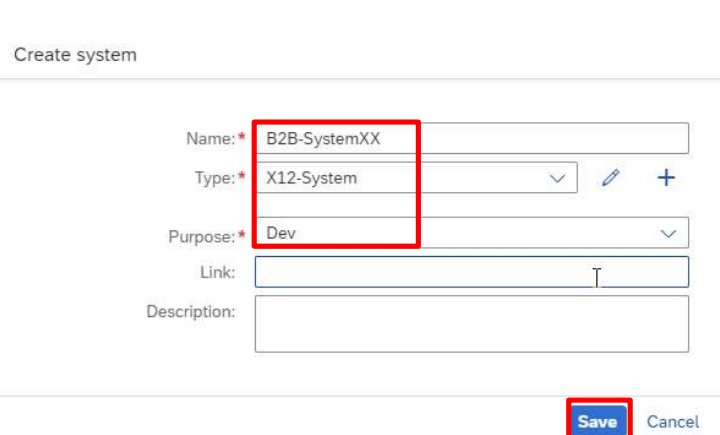
For the User ID please use: UserXX (with XX the Number of your group)

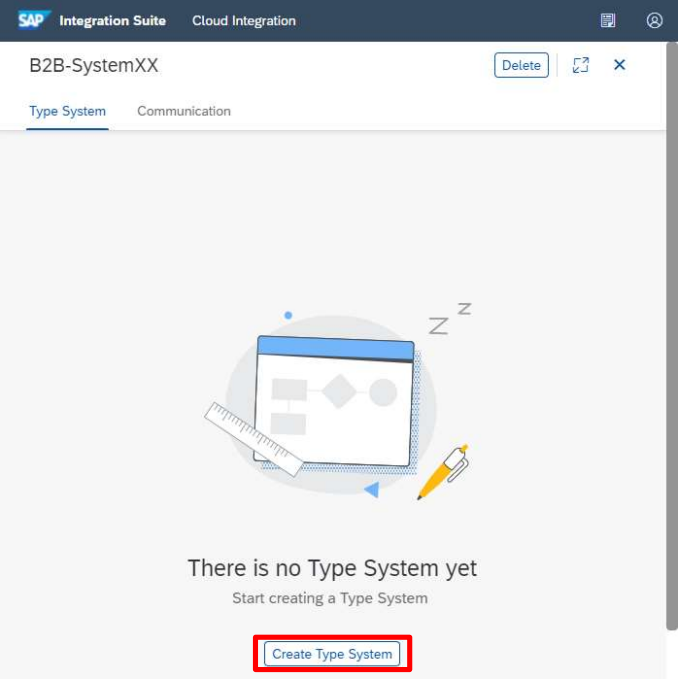

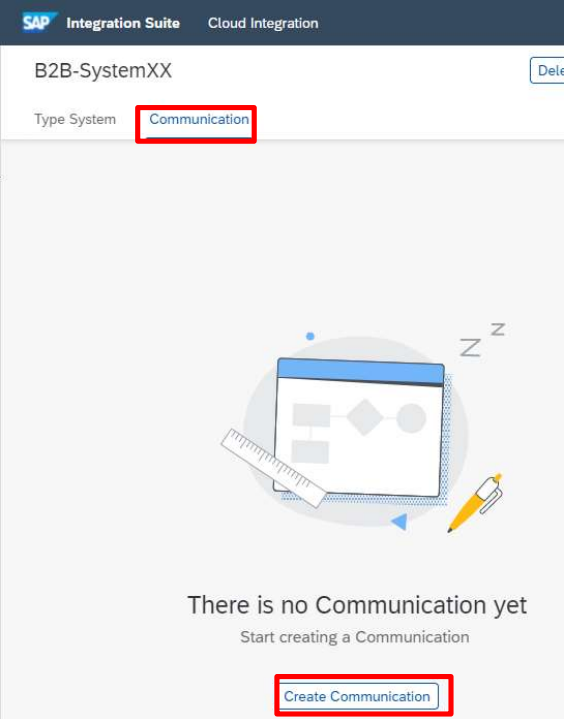
As Password please use: Welcome1

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

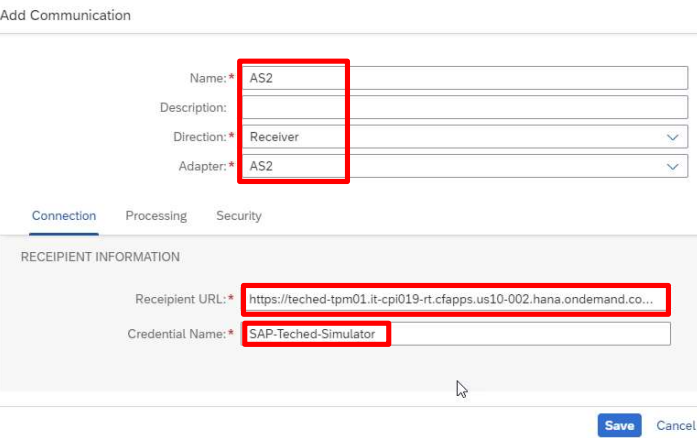
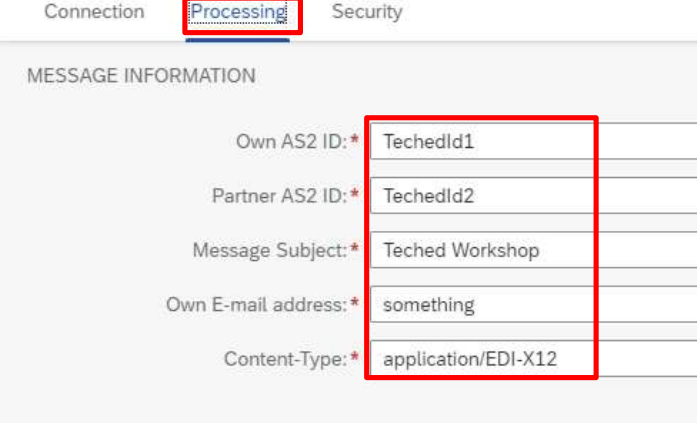
Explanation	Screenshot												
4. Select <i>Create</i> to create a new Trading Partner.	 <p>The screenshot shows the 'Trading Partners' list in the SAP Integration Suite. The 'Create' button is highlighted with a red box. The table below shows the data visible in the screenshot:</p> <table><tr><th>Short Name</th><th>URL</th><th>Created By</th><th>Created Date</th><th>Last Modified By</th><th>Last Modified Date</th></tr><tr><td>ABC</td><td>-</td><td>marco.ertel@sap.com</td><td>2022-10-14T12:10:41.449Z</td><td>marco.ertel@sap.com</td><td>2022-10-14T12:10:41.449Z</td></tr></table>	Short Name	URL	Created By	Created Date	Last Modified By	Last Modified Date	ABC	-	marco.ertel@sap.com	2022-10-14T12:10:41.449Z	marco.ertel@sap.com	2022-10-14T12:10:41.449Z
Short Name	URL	Created By	Created Date	Last Modified By	Last Modified Date								
ABC	-	marco.ertel@sap.com	2022-10-14T12:10:41.449Z	marco.ertel@sap.com	2022-10-14T12:10:41.449Z								
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) 6. All the other fields are optional.	 <p>The screenshot shows the 'Trading Partner Profile Overview' form. The 'Company Name' and 'Company Short Name' fields are highlighted with a red box. The form contains the following fields:</p> <ul style="list-style-type: none"><li>Company Name: TradingPartnerXX</li><li>Company Short Name: TradingPartnerXX</li><li>Country/Region Code: (dropdown)</li><li>City Name: (text field)</li><li>PO Box: (text field)</li><li>PO Box Postal Code: (text field)</li><li>Street Name: (text field)</li><li>House Number: (text field)</li><li>Street Postal Code: (text field)</li></ul>												
Please save the newly created Trading Partner.	 <p>The screenshot shows the 'Save' button highlighted with a red box. The button is labeled 'Save' and 'Cancel'.</p>												
7. Switch to the <i>Contacts</i> tab and select <i>Create Contact</i> .	 <p>The screenshot shows the 'Trading Partner Profile Overview' form with the 'Contacts' tab selected. The 'Contacts' tab is highlighted with a red box. The form contains the following fields:</p> <ul style="list-style-type: none"><li>Company Name: TradingPartnerXX</li><li>Company Short Name: TradingPartnerXX</li><li>URL: (text field)</li><li>Logo: (text field)</li><li>Country/Region Code: (dropdown)</li><li>City Name: (text field)</li><li>PO Box: (text field)</li><li>PO Box Postal Code: (text field)</li><li>Street Name: (text field)</li><li>House Number: (text field)</li><li>Street Postal Code: (text field)</li></ul>												

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

Explanation	Screenshot
<p>Maintain the second identifier as follows:            Use Identification <i>S4-UserXX</i> (with XX your group number),            select Type <i>System SAP S/4HANA on Premise IDoc</i>,            and Scheme <i>N/A</i>,            then save the new identifier.</p>	
<p>11. 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>12. Please add the following Details:            Name <i>B2B-SystemXX</i> (with XX your group number),            Type <i>X12-System</i>,            Purpose <i>Dev</i>            and save the new system.</p>	

Explanation	Screenshot
<p>13. 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>The screenshot shows the SAP Integration Suite interface for 'B2B-SystemXX'. The 'Type System' tab is selected. The main area displays a message: 'There is no Type System yet' with the subtext 'Start creating a Type System'. At the bottom, the 'Create Type System' button is highlighted with a red rectangular box.</p>
<p>14. Use ASC X12 and Version 004010, then save the new Type System.</p>	 <p>The screenshot shows the 'Create Type System' form. The 'Name' field contains 'ASC X12' and the 'Version' field contains '004010'. Both fields are highlighted with red rectangular boxes. The 'Save' button is located at the bottom right of the form.</p>
<p>15. Next, you need to maintain the communication details. Switch to tab <i>Communication</i> and select <i>Create Communication</i>.</p>	 <p>The screenshot shows the SAP Integration Suite interface for 'B2B-SystemXX'. The 'Communication' tab is selected. The main area displays a message: 'There is no Communication yet' with the subtext 'Start creating a Communication'. At the bottom, the 'Create Communication' button is highlighted with a red rectangular box.</p>



Explanation	Screenshot
<p>16. 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 (please use: <i>https://teched-tpm01.it-cpi019-rt.cfapps.us10-002.hana.ondemand.com/as2/as2</i>)</p>	
<p>17. 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>	

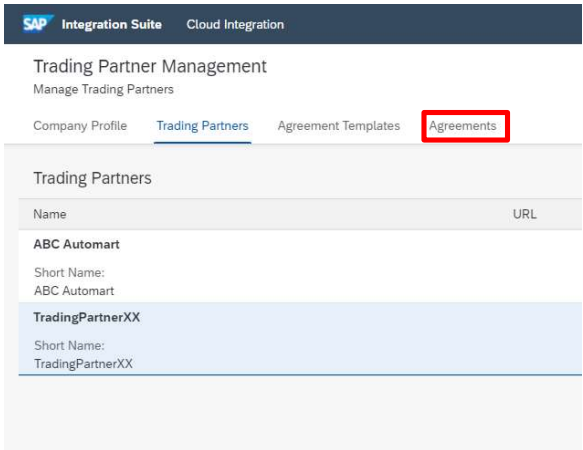
## 1.2 Use Agreement Template to create an agreement

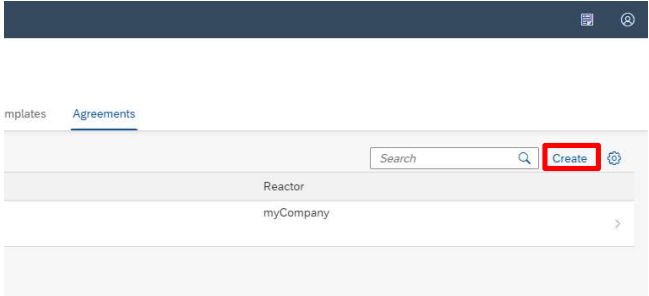
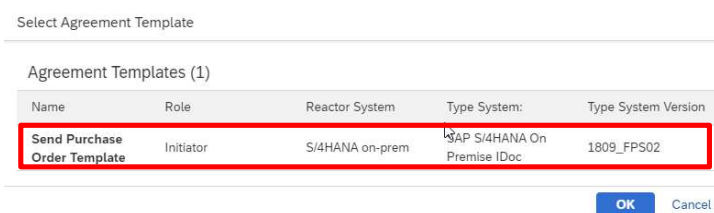
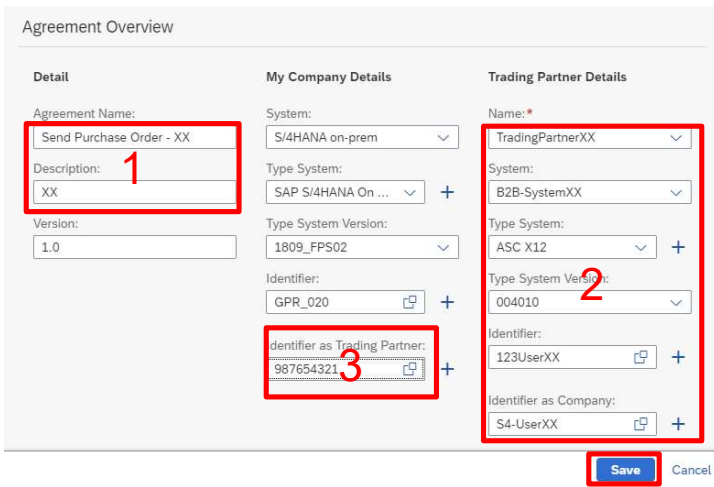
With the Agreement, you instantiate the agreement template where you need to fill out the details of the trading partners. TPM differentiates between Identifiers which will be used in the system of the company and Identifiers which are used in our example in the IDoc message. Let's have a look at the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

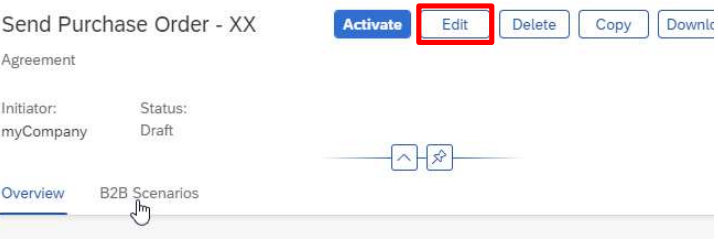

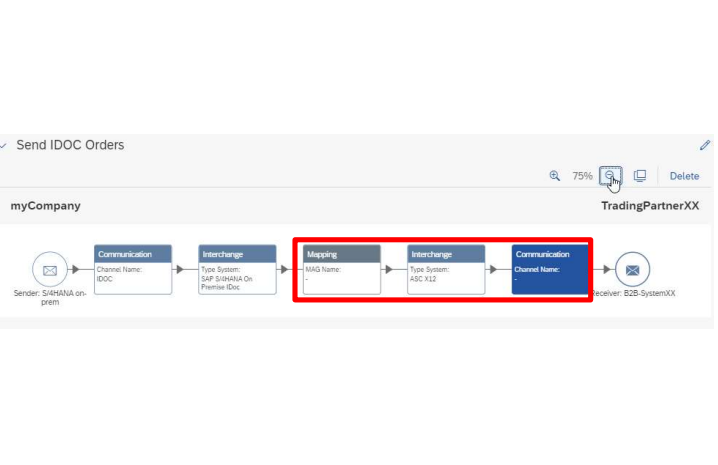
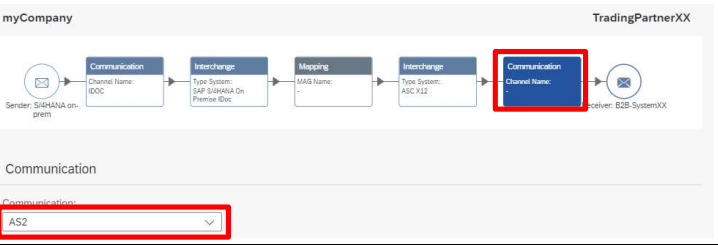
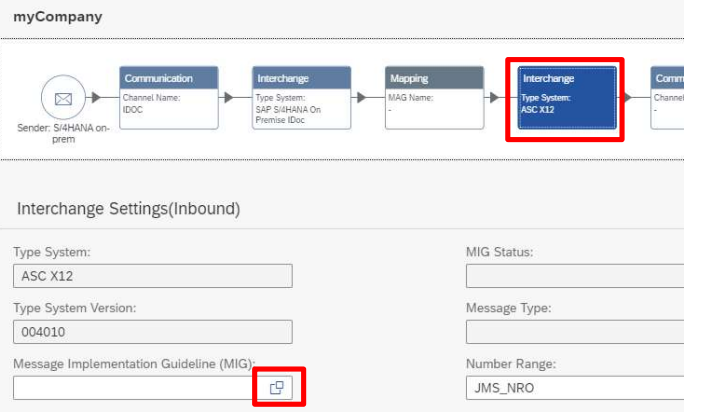
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<ORDERS05 xmlns="urn:sap-com:document:sap:idoc:soap:messages">
  <IDOC BEGIN="1">
    <EDI_DC40 SEGMENT="1">
      <TABNAM>EDI_DC40</TABNAM>
      <DOCNUM>0000000000000002</DOCNUM>
      <DOCREL>1809_FPS02</DOCREL>
      <DIRECT>2</DIRECT>
      <OUTMOD>3</OUTMOD>
      <IDOCTYP>ORDERS05</IDOCTYP>
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      <STDMES>850</STDMES>
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      <SNDPRT>KU</SNDPRT>
      <SNDPRN>GPR_020</SNDPRN>
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      <RCVPRT>LS</RCVPRT>
      <RCVPRN>S4-UserXX</RCVPRN>
      <CREDAT>20221007</CREDAT>
      <CRETIM>071312</CRETIM>
      <REFINT>004301228</REFINT>
      <REFGRP>4301367</REFGRP>
      <REFMES>ORDERS05</REFMES>
    <SERIAL>20221007071312</SERIAL>
```

GPR\_020 is the Identifier which you can find in the My Company Details.

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> .	

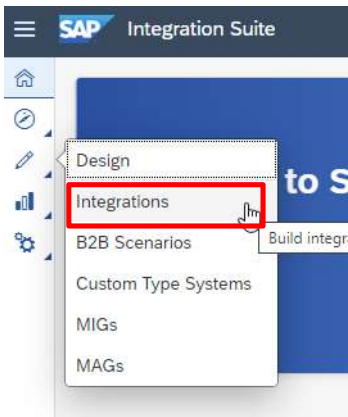
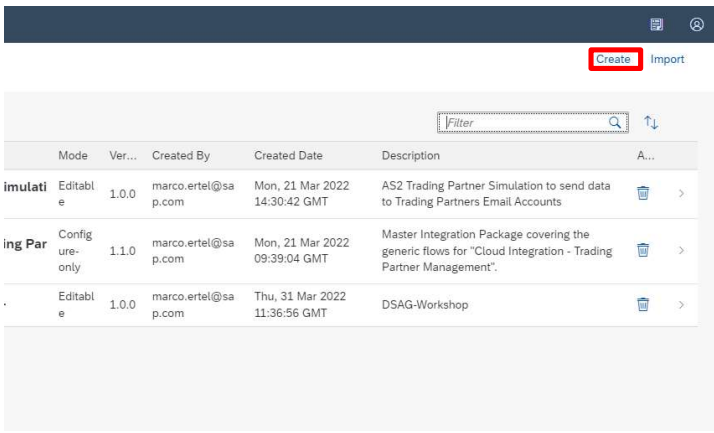
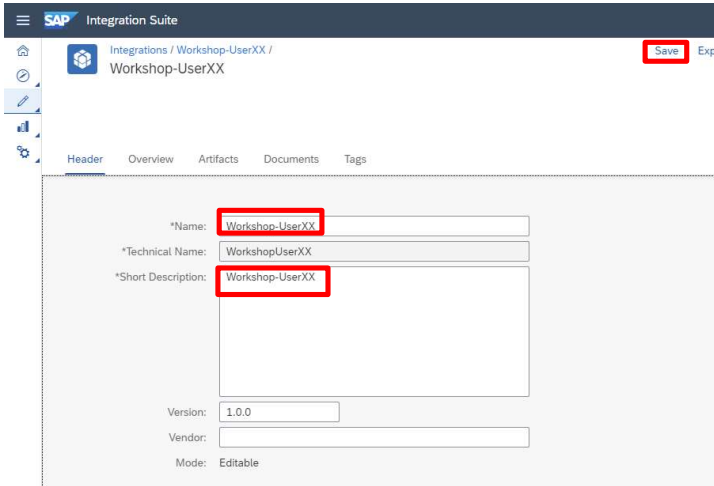
Explanation	Screenshot
<p>2. On the <i>Agreements</i> tab, create a new Agreement.</p>	
<p>3. In the upcoming dialog, select the existing Agreement Template <i>Send Purchase Order Template</i> and select <i>OK</i>.</p>	
<p>4. Please start with renaming the Agreement to <i>Send Purchase Order – XX</i> 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):  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.   Hint: use the drop-down help but start with the Trading Partner Details and select the Identifier as Trading Partner as the last one.  When done, save your settings.</p>	

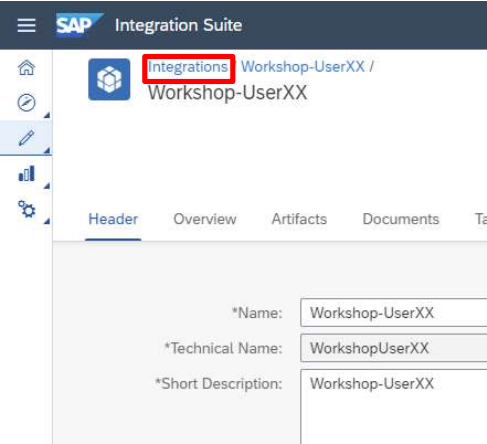
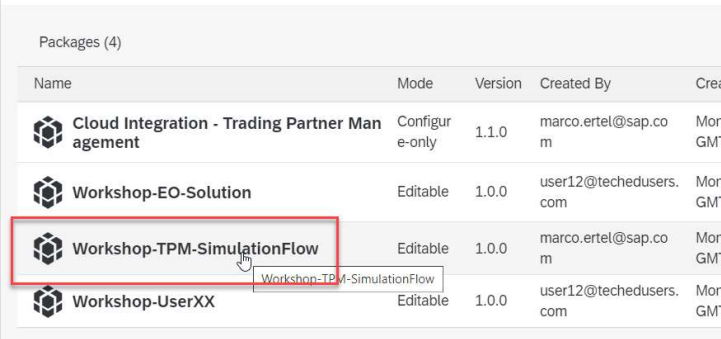
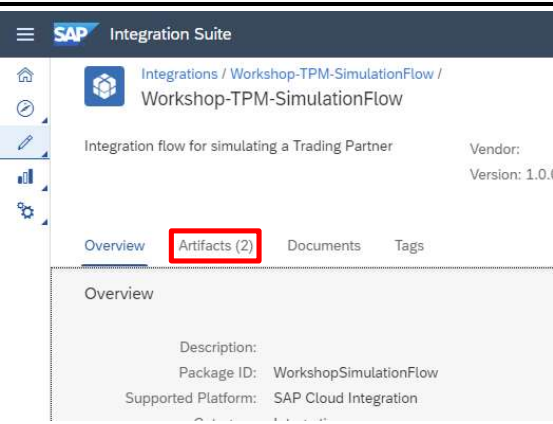
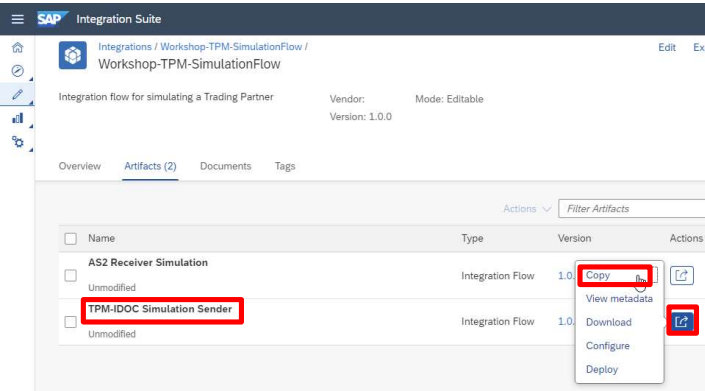
Explanation	Screenshot
5. For the newly created agreement, switch to the <i>Edit Mode</i>	 <p>Send Purchase Order - XX <b>Activate</b> <b>Edit</b> Delete Copy Download</p> <p>Agreement</p> <p>Initiator: myCompany Status: Draft</p> <p>Overview B2B Scenarios</p>
6. Navigate to the tab <i>B2B Scenarios</i> .	 <p>Send Purchase Order - XX <b>Activate</b> Edit Delete Copy Download</p> <p>Agreement</p> <p>Initiator: myCompany Status: Draft</p> <p>Overview <b>B2B Scenarios</b></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> <p>Sender: S/4HANA on-prem</p> <p>Communication Channel Name: IDOC</p> <p>Interchange Type System: SAP S/4HANA On-Premise IDOC</p> <p>Mapping MAG Name: -</p> <p>Interchange Type System: ASC X12</p> <p>Communication Channel Name: -</p> <p>Receiver: B2B-SystemXX</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</p> <p>Communication Channel Name: IDOC</p> <p>Interchange Type System: SAP S/4HANA On-Premise IDOC</p> <p>Mapping MAG Name: -</p> <p>Interchange Type System: ASC X12</p> <p>Communication Channel Name: -</p> <p>Receiver: B2B-SystemXX</p> <p>Communication</p> <p>Communication: AS2</p>
9. Please click now on the <i>Interchange</i> box to define the Message Implementation Guideline. Select the drop-down list.	 <p>myCompany</p> <p>Sender: S/4HANA on-prem</p> <p>Communication Channel Name: IDOC</p> <p>Interchange Type System: SAP S/4HANA On-Premise IDOC</p> <p>Mapping MAG Name: -</p> <p>Interchange Type System: ASC X12</p> <p>Communication Channel Name: -</p> <p>Receiver: B2B-SystemXX</p> <p>Interchange Settings(Inbound)</p> <p>Type System: ASC X12</p> <p>Type System Version: 004010</p> <p>Message Implementation Guideline (MIG): JMS_NRO</p> <p>MIG Status: -</p> <p>Message Type: -</p> <p>Number Range: -</p>

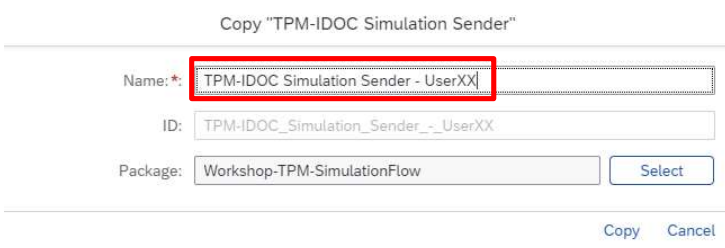
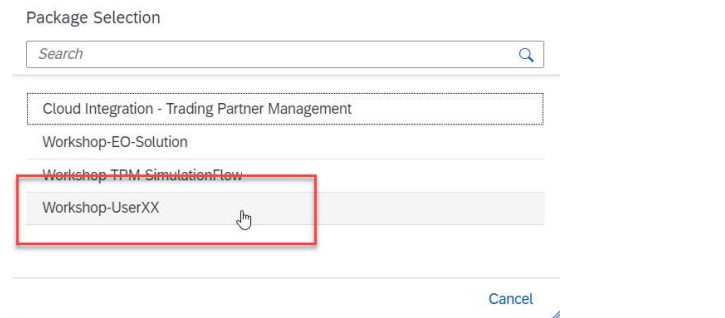
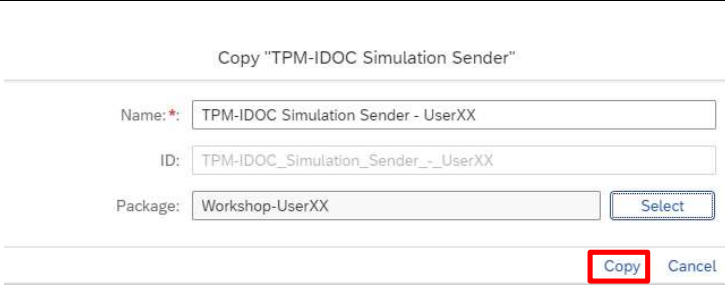
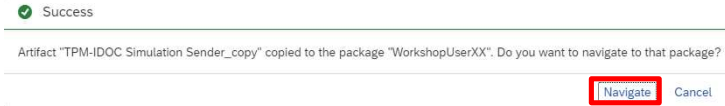
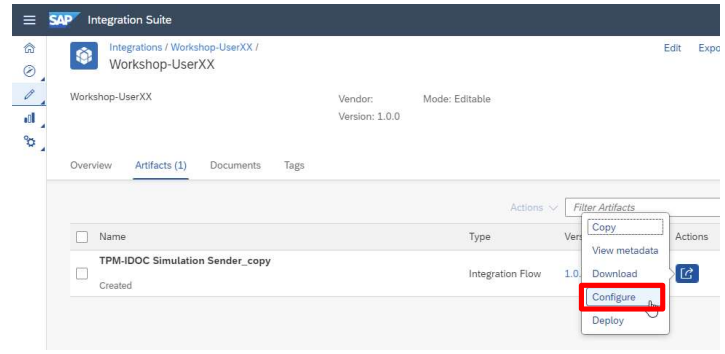
Explanation	Screenshot
10. In the pop up select <i>TradingPartner – X12 MIG Tched</i> and select <i>Choose</i> .	
11. Last step for the definition of the Agreement is to select the <i>Mapping</i> box (which is also prepared by using the Integration Advisor). Select the drop-down list.	
12. In the pop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

### 1.3 Prepare Simulation Flow and send a message

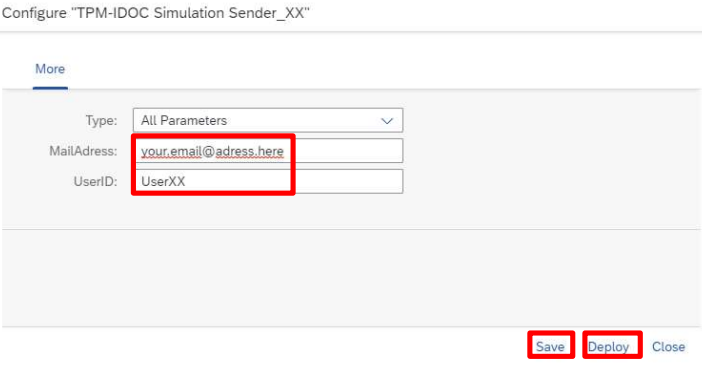
As we have defined that our Company will send an IDoc Order using the IDOC Protocol we need to simulate this sender. For this we have built an integration flow which you have to copy to a new package, configure and deploy. The IDoc message is sent as soon as the integration flow is deployed.

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> .	
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.	

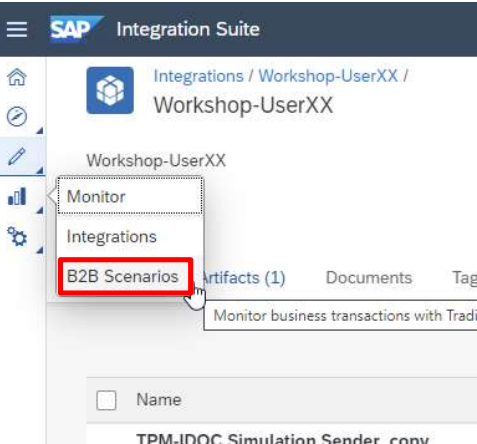
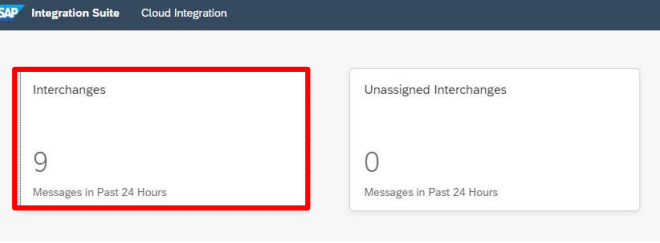
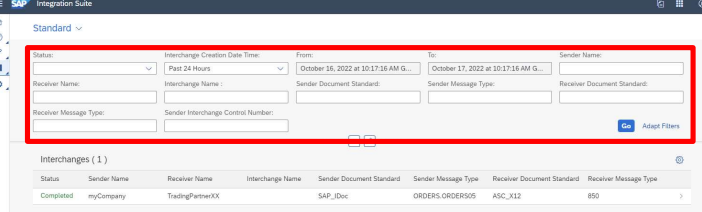
Explanation	Screenshot
8. In the popup, change the name to <i>TPM-IDOC Simulation Sender - UserXX</i> (with <i>UserXX</i> using your ID). Then select <i>Select</i> to change the target package.	
9. In the upcoming package selection screen, select your package <i>Workshop-UserXX</i> .	
10. Next, select <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.	

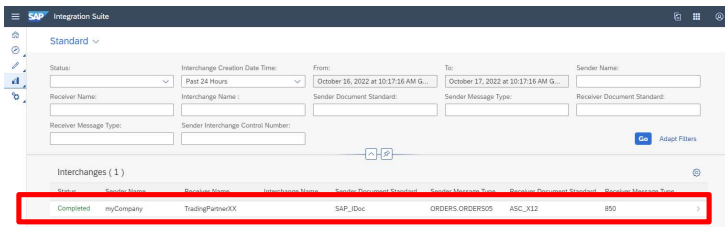
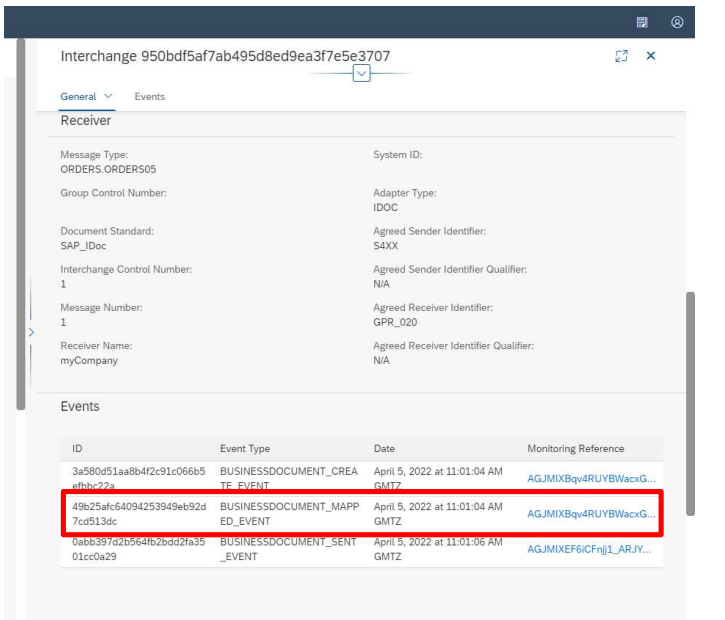
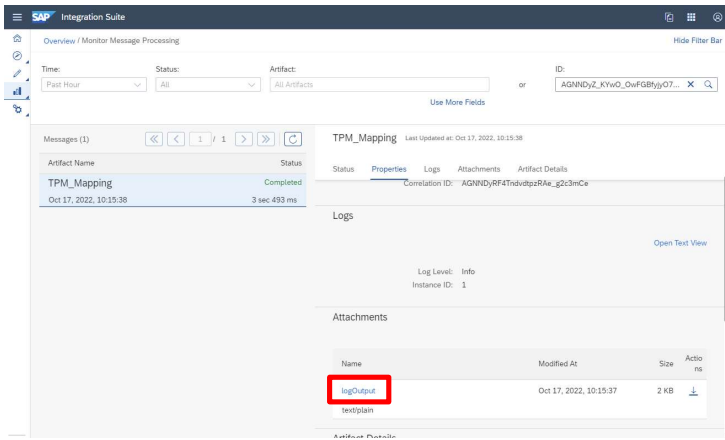


Explanation	Screenshot
<p>13. Please configure the integration flow with your mail address and UserID <i>UserXX</i>. The transformed message will be sent to this Mailaddress. Then select <i>Save</i> and <i>Deploy</i>. Once the integration flow is successfully deployed, the message is sent and should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

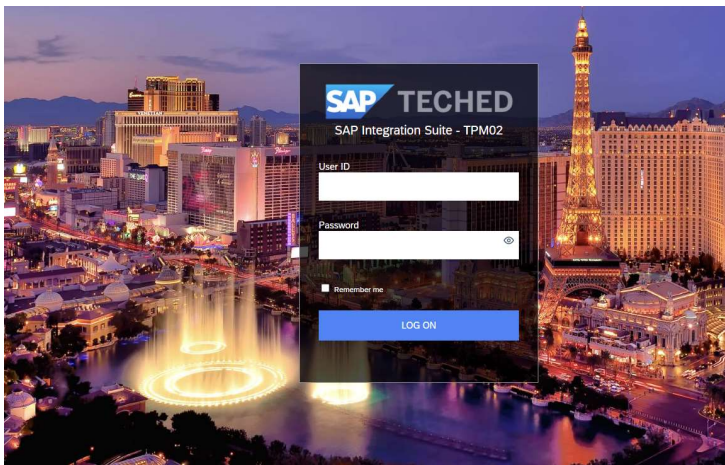
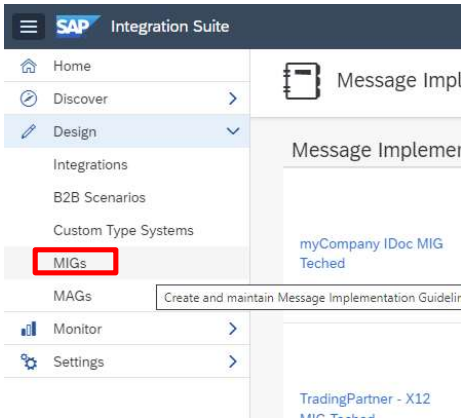
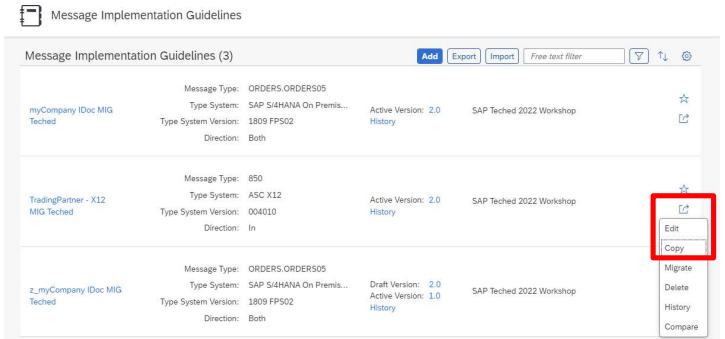

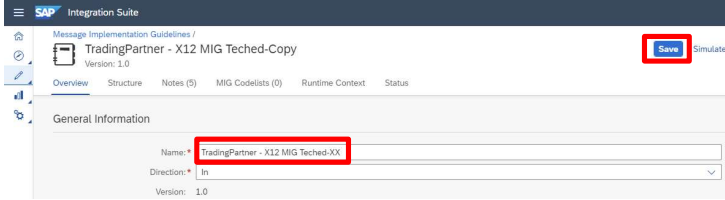
Explanation	Screenshot
4. Click on one of your <i>Completed</i> interchanges.	
5. On this page, you see more details like Sender Name, Adapter Type, ... and you can also jump to the technical monitoring if this is necessary.	
6. Depending on the Event you've selected, you see here more details on a technical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

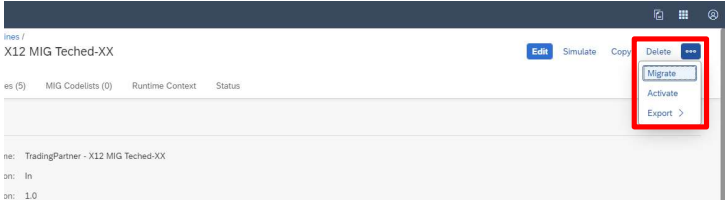
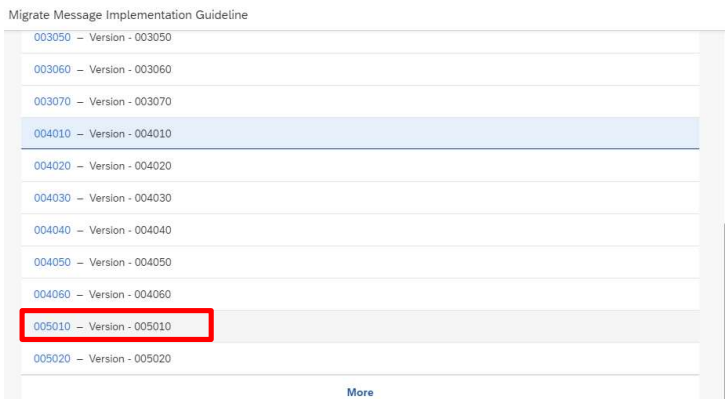
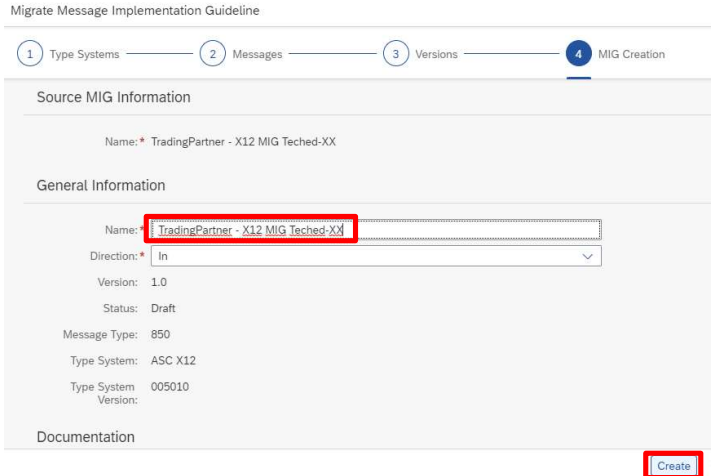
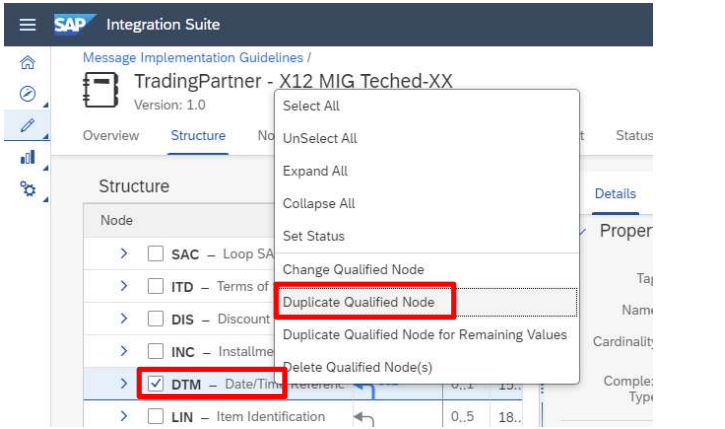
Congrats, you have successfully completed the first exercise.

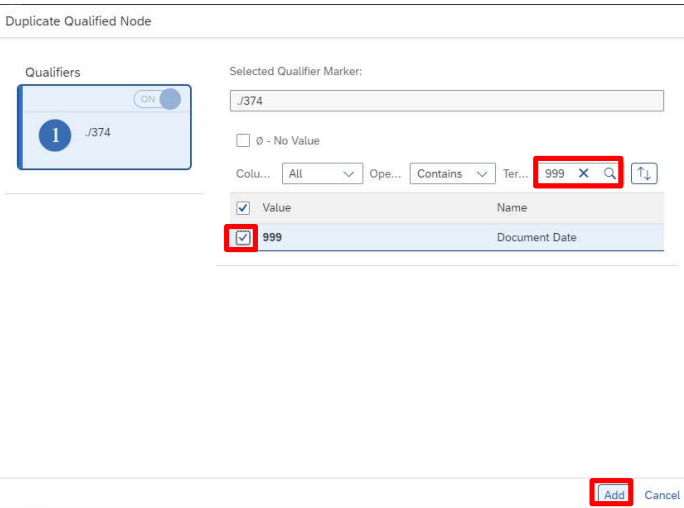
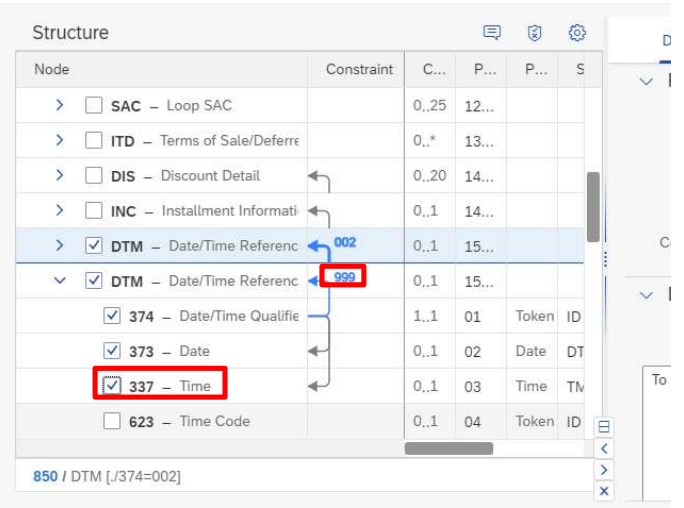
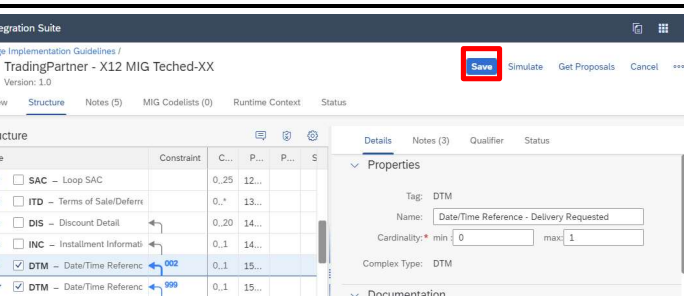
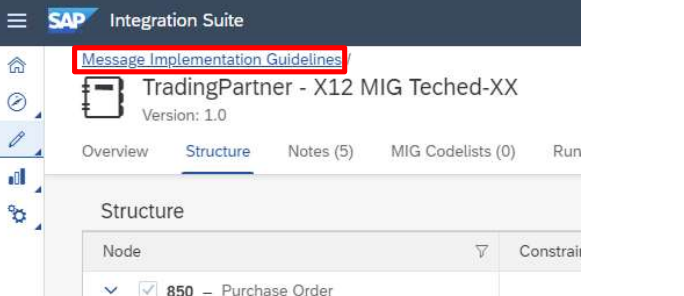
## 2 OPTIONAL: EXERCISE 2

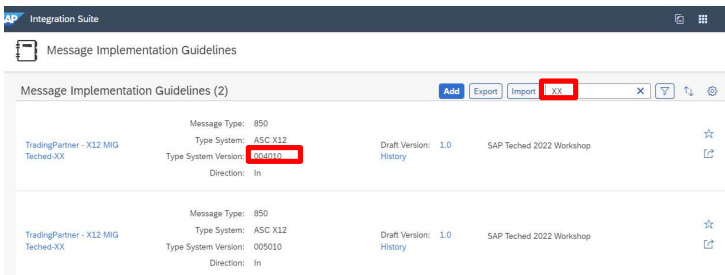
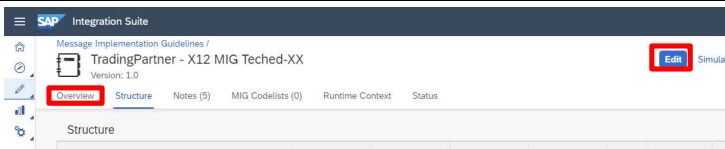
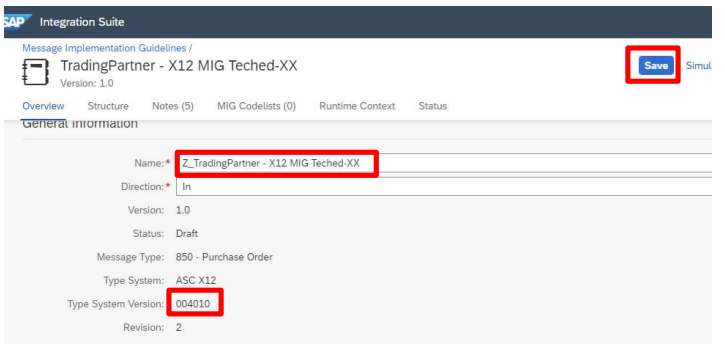
### 2.1 Update MIG of the Trading Partner to a new Version

Partner hat Version von 4010 auf 5010 geändert, Partner hat zusätzliches DTM (999) eingefügt.

Explanation	Screenshot
1. Log on to the Integration Suite tenant with your system details provided to you by the instructors.	 The screenshot shows the SAP Teched login interface. It features a dark blue header with the 'SAP TECHED' logo and 'SAP Integration Suite - TPM02'. Below the header, there are input fields for 'User ID' and 'Password', a 'Remember me' checkbox, and a blue 'LOG ON' button. The background is a vibrant night-time photograph of a city skyline with a large fountain in the foreground.
2. Navigate to the MIGS (Design->MIGs)	 The screenshot displays the SAP Integration Suite 'Design' menu. The 'Design' option is selected, and the 'MIGs' (Message Implementation Guidelines) option is highlighted with a red rectangle. Other visible options include Home, Discover, Integrations, B2B Scenarios, Custom Type Systems, MAGs, Monitor, and Settings. The right pane shows 'Message Impl' and 'Message Implemer'.
3. Copy the MIG <i>TradingPartner – X12 MIG Teched</i>	 The screenshot shows a list of Message Implementation Guidelines. The entry 'TradingPartner - X12 MIG Teched' is selected. A red rectangle highlights the 'Edit' and 'Copy' buttons in the action menu on the right. Other entries include 'myCompany IDoc MIG Teched' and 'z_myCompany IDoc MIG Teched'.
4. Switch in the copied MIG to the Edit Mode	 The screenshot shows the 'TradingPartner - X12 MIG Teched-Copy' in Edit Mode. The 'Structure' tab is active, displaying a table of nodes. The '850 - Purchase Order' node is expanded, showing its cardinality as '1..1'. The 'Edit' button is highlighted with a red rectangle.
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.	 The screenshot shows the 'TradingPartner - X12 MIG Teched-Copy' in Edit Mode, with the 'Overview' tab selected. The 'Name' field is highlighted with a red rectangle and contains the text 'TradingPartner - X12 MIG Teched-XX'. The 'Save' button is also highlighted with a red rectangle.

Explanation	Screenshot
<p>6. Now you can migrate the MIG from version 4010 to version 5010. Click the <i>Overflow button</i> “...” then <i>Migrate</i>.</p>	
<p>7. Click on Version 005010.</p>	
<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 we need want to an 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>	

Explanation	Screenshot
10. Search now for 999, select the checkbox and press Add.	
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 Collapse the DTM Node and checkmark the 337.	
12. Save the MIG.	
13. Rename the 4010 MIG to make the next steps easier. For this go to the list of MIGs.	


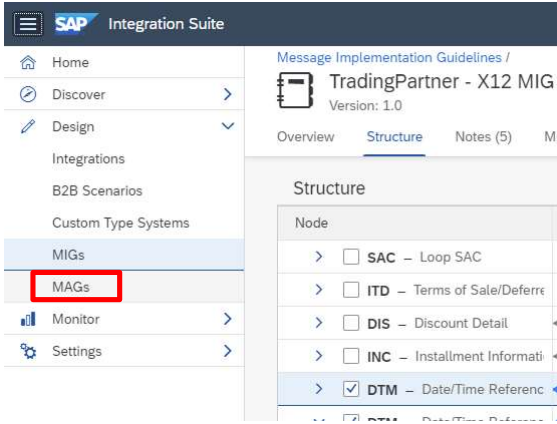
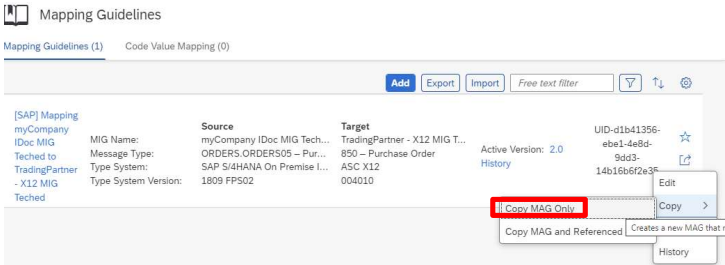
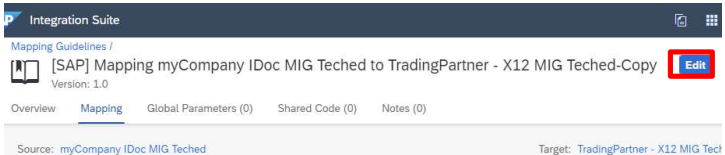
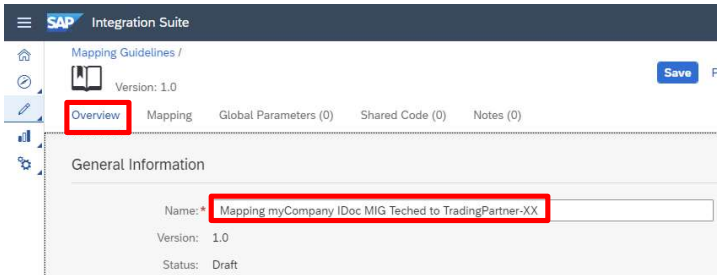
Explanation	Screenshot
14. Search your MIG by entering the group number in the search field and select the one with the version 4010. Open that MIG.	
15. Switch to the <i>Edit</i> Mode and navigate to the <i>Overview</i>	
16. Be sure it is the one with the version 004010(!) and then rename it to <i>Z_TradingPartner - X12 MIG Teched-XX</i> . And press <i>Save</i> .	

## 2.2 Create a NEW MAG to fit the updated MIG

und möchte anderes Datumsformat, sowie ein paar weitere Mappingänderungen:

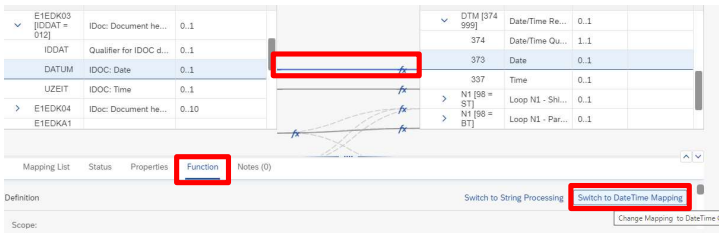
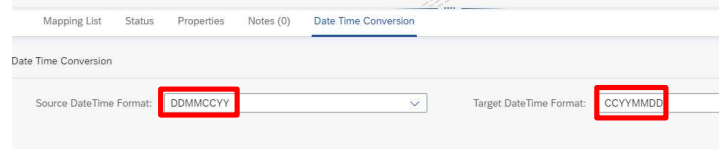
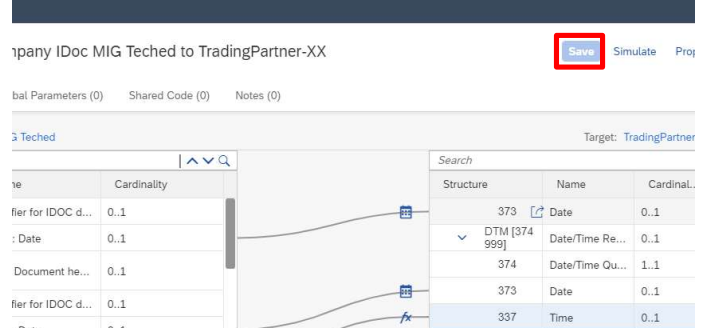
copy MAG auf eigenes MAG (und umbenennen)  
austausch des Target MIG durch das neu erstellte MIG  
ändern des mappings  
-löschen des Mappings von credat nach BEG 374  
-anlegen E1EDK02\_001->DATUM nach BEG373  
-anlegen E1EDK03\_002->DTM(374=002)->373  
-anlegen E1EDK03\_12 DATUM->DTM(374=999)->373  
-anlegen E1EDK03\_12 UZEIT->DTM(374=999)->374  
Datumsformat ändern



Explanation	Screenshot
1. Log on to the Integration Suite tenant with your system details provided to you by the instructors.	
2. Navigate to the MAGs (Design->MAGs)	
3. Copy the original MAG ([SAP] Mapping myCompany IDoc MIG Teched to TradingPartner - X12 MIG Teched). Please <b>copy only the MAG</b> (see Screenshot) as otherwise the MIGs also will be copied.	
4. In the copied MAG switch to <i>Edit Mode</i> .	
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)	

Explanation	Screenshot
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> .	
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.	

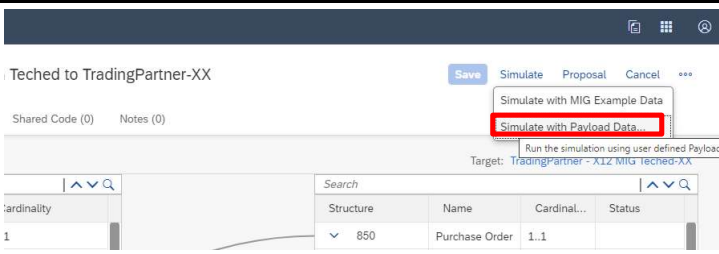





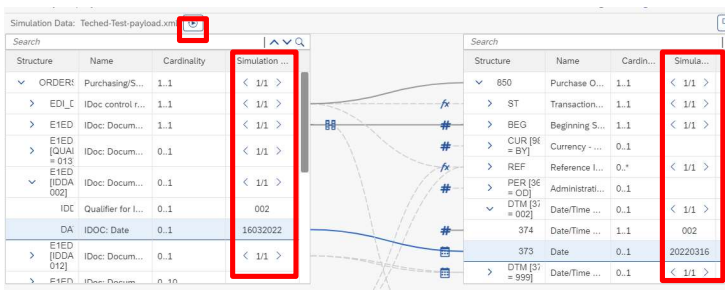
Explanation	Screenshot
12. Select now the line connecting the two date fields and select function in the lower part and <i>Switch to DateTimeMapping</i> .	
13. Select for the Source Format: <i>DDMMCCYY</i> and for the target format <i>CCYYMMDD</i>	
14. Save the MAG	

### 2.3 Simulate new MAG in IA

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](#) *Tched-Test-payload.xml*. Please download it.

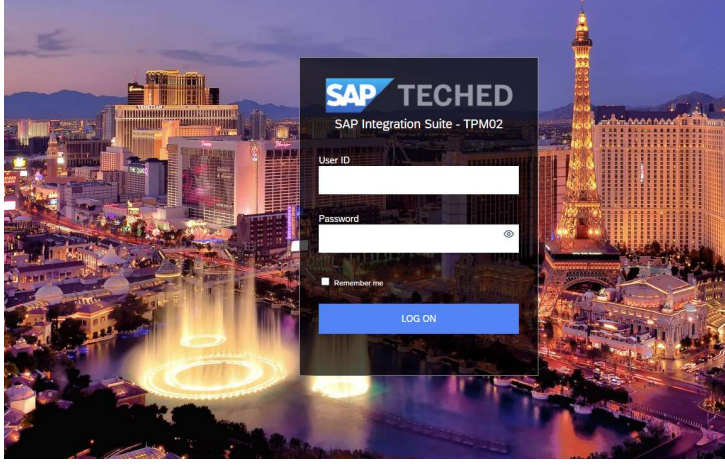
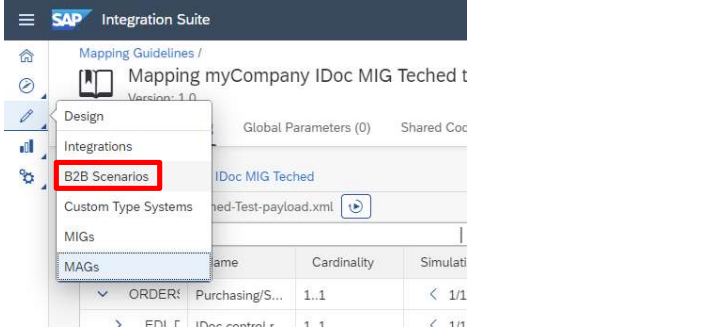
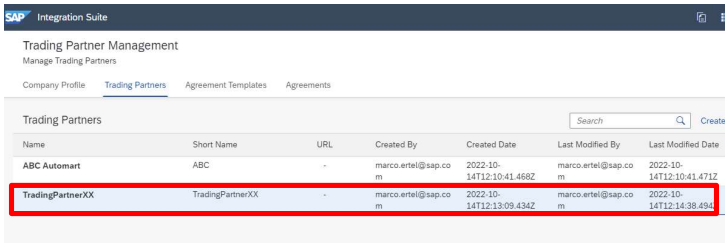
Explanation	Screenshot
1. Click now on the <i>Simulate</i> Button and select <i>Simulate with Payload Data</i> .	
2. Using the <i>Browse</i> Button navigate to the downloaded <i>Tched-Test-payload.xml</i>	
3. And press OK	

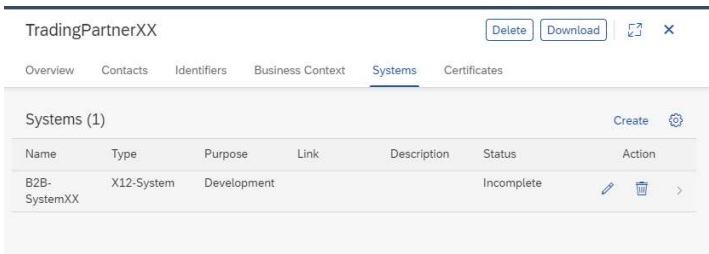
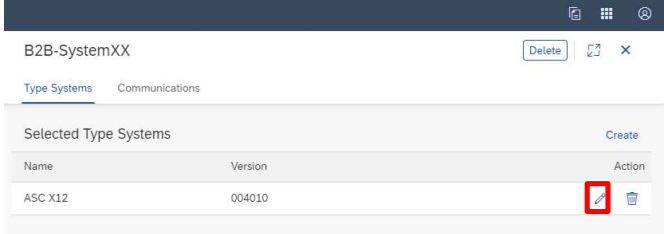
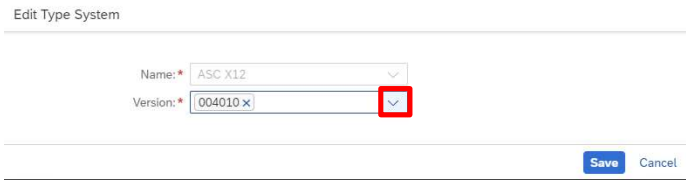
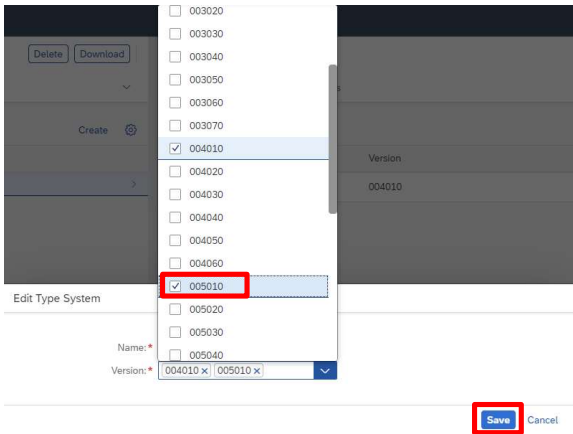

Explanation	Screenshot
<p>4. Now a new column on the source and target side of the mapping is added where the values from the payload and the result of the mapping is displayed. If you need to modify the mapping, you can easily rerun the simulation with the  button</p>	

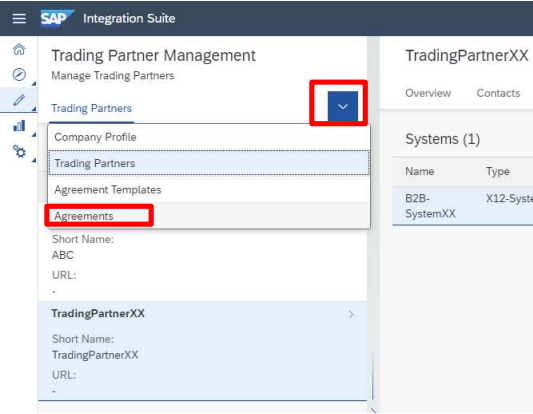
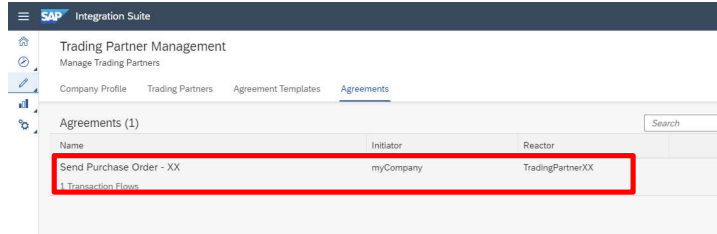
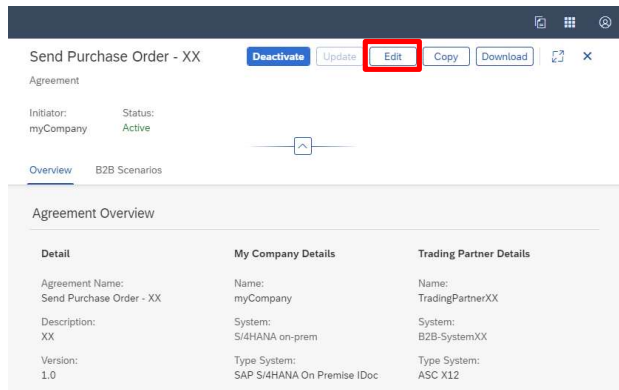
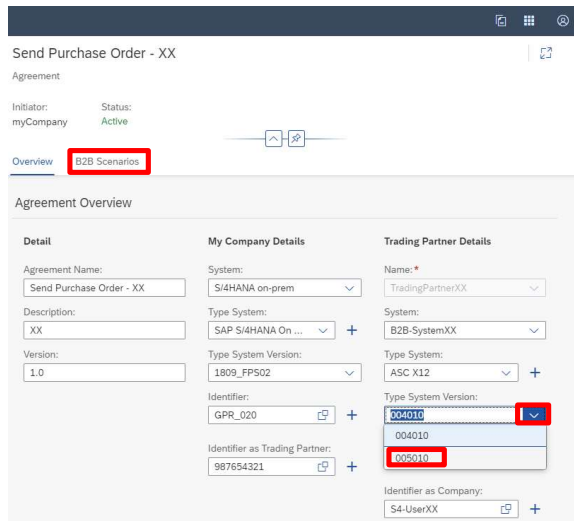
### 3 OPTIONAL: EXERCISE 3

#### 3.1 use new MIG and MAG in TPM

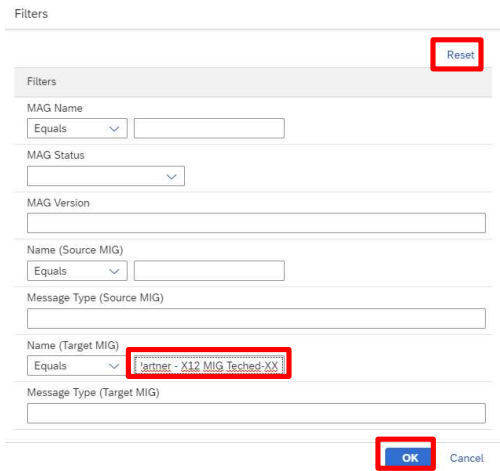
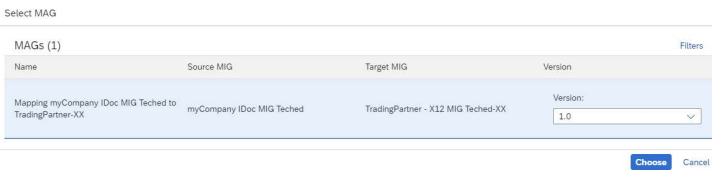
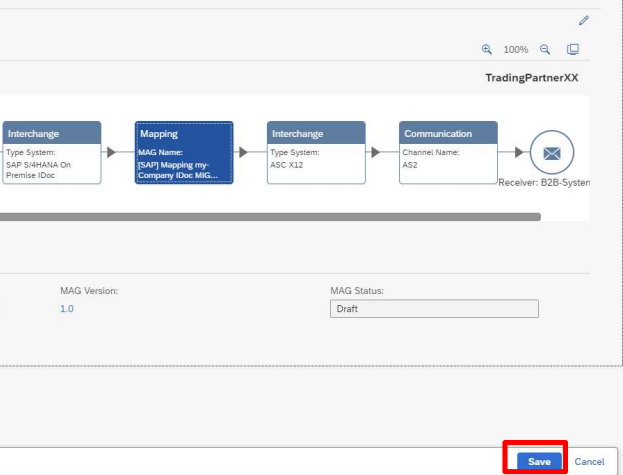
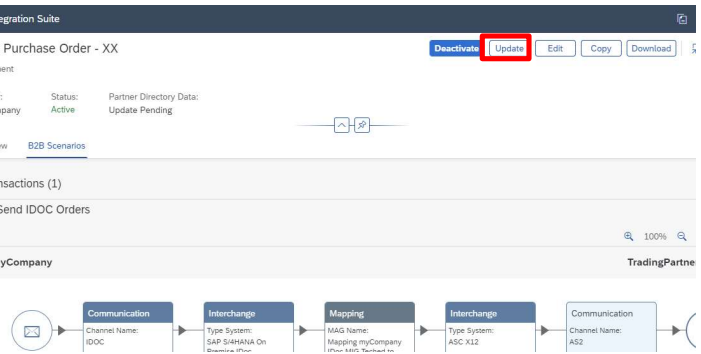
After you've now created a new Target MIG and a adjusted MAG this should be used also in the TPM.

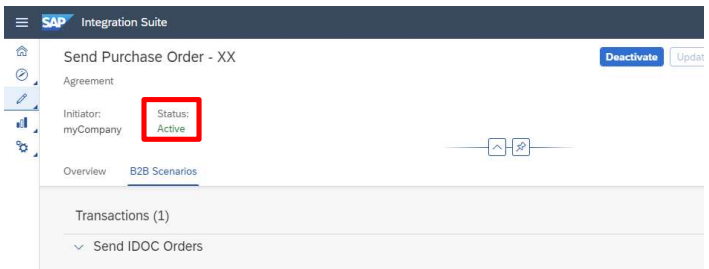
Explanation	Screenshot
<p>1. Log on to the Integration Suite tenant with your system details provided to you by the instructors.</p>	
<p>2. Navigate to the B2B Scenarios (Design-&gt;B2B Scenarios)</p>	
<p>3. As the Trading Partner now wants a message in the version 5010 this has to be added in its systems. Select your Trading Partner (TradingPartnerXX with XX your group number)</p>	

Explanation	Screenshot
4. Navigate to the Systems and open the B2B-SystemXX by selecting it.	
5. Now the Type System has to be modified. Please click on the pencil.	
6. Open the drop-down Box for the versions	
7. And select version 005010 and save.	
8. Navigate to your Trading Partner Agreement by closing the System	

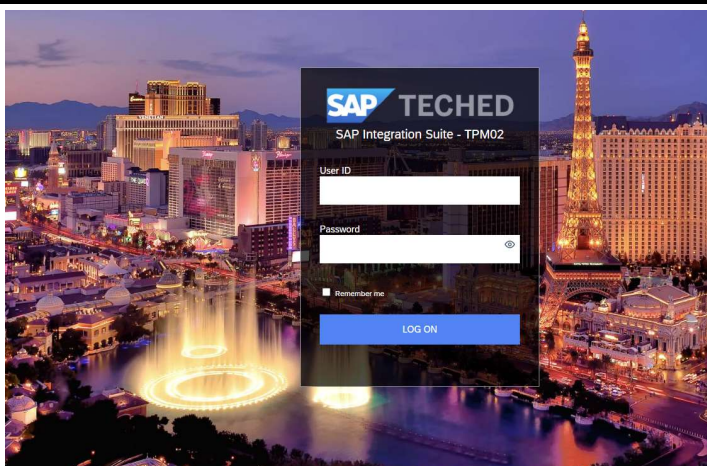
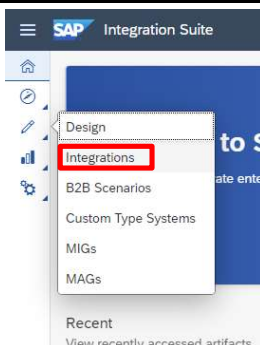
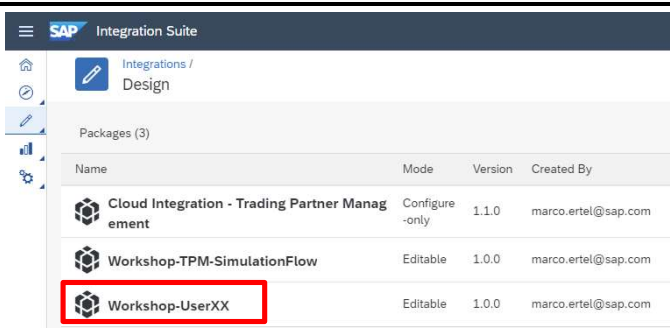
Explanation	Screenshot
9. Then select the <i>Agreements</i> in the menu	
10. Select your Agreement ( <i>Send Purchase Order - XX</i> with XX your group number)	
11. Switch to the <i>Edit</i> Mode.	
12. Change now the used Type System Version of the Trading Partner from 4010 to 5010 using the dropdown and then navigate to the <i>B2B Scenarios</i> .	

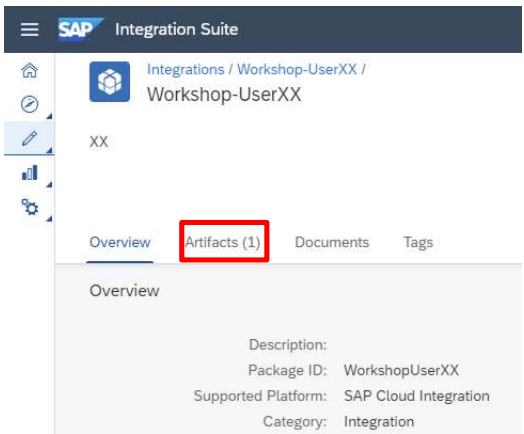
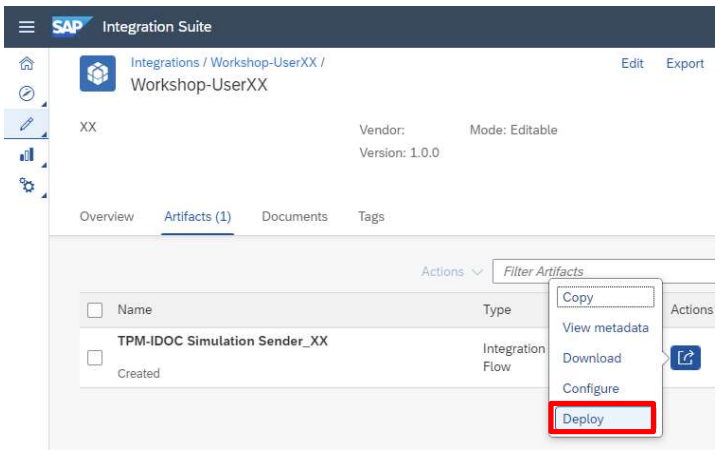
Explanation	Screenshot																		
13. There you have to exchange the used MIG and MAG. Let's start with the MIG. Select the right Interchange and then use the drop down for the MIG.																			
14. As there might be a lot of MIGs in the system you can use the <i>Filter</i> or if you know already the correct MIG ( <i>TradingPartner – X12 MIG Teched-XX with XX your group number</i> ) you can directly select it	<table><thead><tr><th>Name</th><th>Status</th><th>Version</th></tr></thead><tbody><tr><td>TradingPartner - X12 MIG Teched</td><td>Active</td><td>2.0</td></tr><tr><td>TradingPartner - X12 MIG Teched-XX</td><td>Draft</td><td>1.0</td></tr><tr><td>Z_TradingPartner - X12 MIG Teched-XX</td><td>Draft</td><td>1.0</td></tr><tr><td>myCompany IDoc MIG Teched</td><td>Active</td><td>2.0</td></tr><tr><td>myCompany IDoc MIG Teched</td><td>Active</td><td>1.0</td></tr></tbody></table>	Name	Status	Version	TradingPartner - X12 MIG Teched	Active	2.0	TradingPartner - X12 MIG Teched-XX	Draft	1.0	Z_TradingPartner - X12 MIG Teched-XX	Draft	1.0	myCompany IDoc MIG Teched	Active	2.0	myCompany IDoc MIG Teched	Active	1.0
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15. The newly created MAG has now to be assigned by clicking on the <i>Mapping</i> and then using the drop-down																			
16. Please modify the filter.	<table><thead><tr><th>Name</th><th>Source MIG</th><th>Target MIG</th><th>Version</th></tr></thead><tbody><tr><td colspan="4">No data</td></tr></tbody></table>	Name	Source MIG	Target MIG	Version	No data													
Name	Source MIG	Target MIG	Version																
No data																			

Explanation	Screenshot
17. Reset the filter and enter the Name of the Target MIG ( <i>TradingPartner - X12 MIG Teched-XX</i> with XX your group number)	
18. Select the MAG you've created in Exercise 2.2	
19. The Agreement is now changed, needs to be saved.	
20. And the necessary data in the Partner Directory needs to be updated.	

Explanation	Screenshot
21. Check if the update was successful.	 <p>The screenshot shows the SAP Integration Suite interface for a 'Send Purchase Order - XX' scenario. The 'Status' is 'Active', which is highlighted with a red box. The 'Initiator' is 'myCompany'. There are tabs for 'Overview' and 'B2B Scenarios'. Below, there is a section for 'Transactions (1)' with a sub-item 'Send IDOC Orders'.</p>

### 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)	 <table><thead><tr><th>Name</th><th>Mode</th><th>Version</th><th>Created By</th></tr></thead><tbody><tr><td>Cloud Integration - Trading Partner Management</td><td>Configure-only</td><td>1.1.0</td><td>marco.ertel@sap.com</td></tr><tr><td>Workshop-TPM-SimulationFlow</td><td>Editable</td><td>1.0.0</td><td>marco.ertel@sap.com</td></tr><tr><td>Workshop-UserXX</td><td>Editable</td><td>1.0.0</td><td>marco.ertel@sap.com</td></tr></tbody></table>	Name	Mode	Version	Created By	Cloud Integration - Trading Partner Management	Configure-only	1.1.0	marco.ertel@sap.com	Workshop-TPM-SimulationFlow	Editable	1.0.0	marco.ertel@sap.com	Workshop-UserXX	Editable	1.0.0	marco.ertel@sap.com
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Workshop-UserXX	Editable	1.0.0	marco.ertel@sap.com														

Explanation	Screenshot
4. In the Package navigate to the Artifacts	
5. Now deploy the iflow again which sends again a test message	
6. Now you should see a new mail in your inbox and also can use the monitoring features from chapter 1.4	