



Public

SAP Teched 2022

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

Exercise

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0

THE BEST RUN 

Public

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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 the  part of the exercise you also have to work on the MIG (interface) and on the MAG (mapping).

1 EXERCISE 1

1.1 Create new Trading Partner

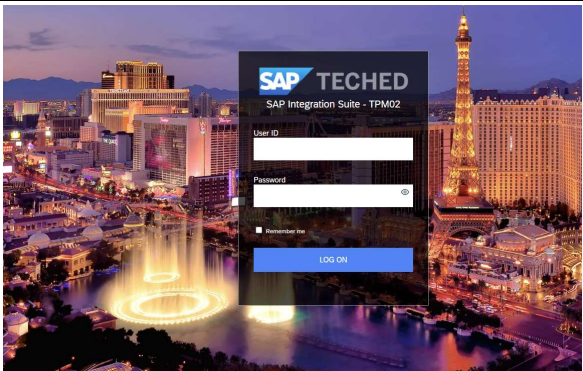
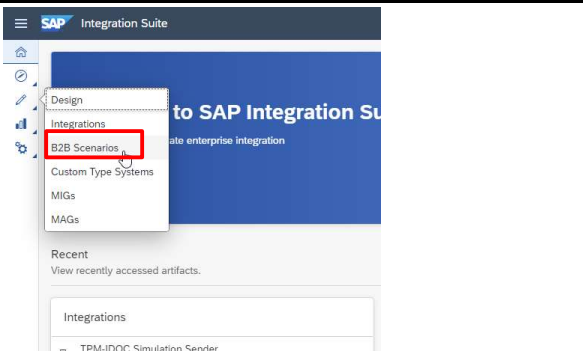
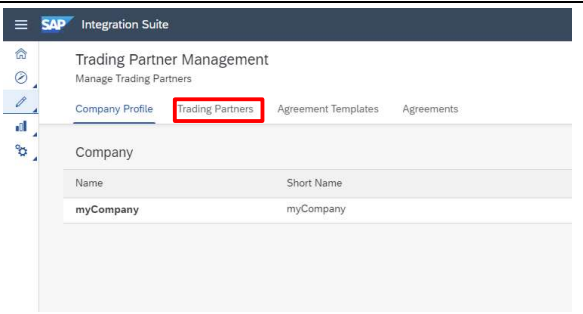
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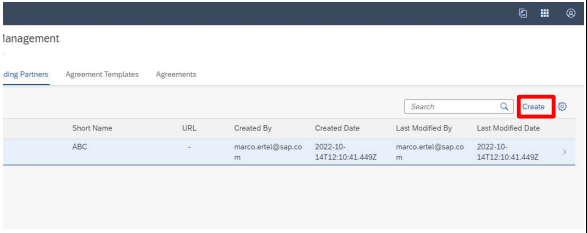
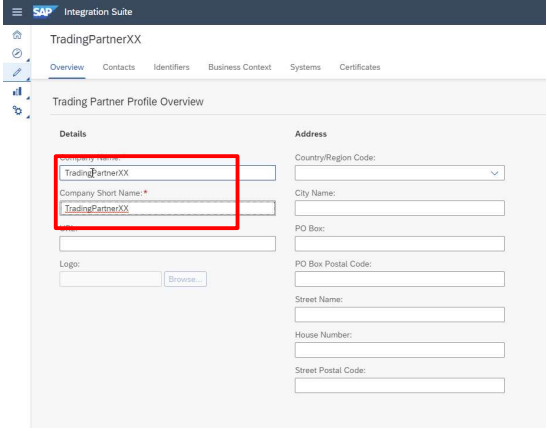
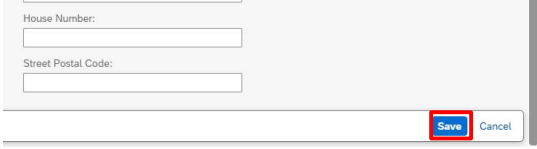
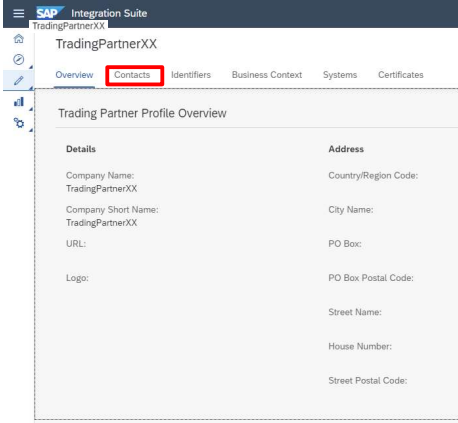
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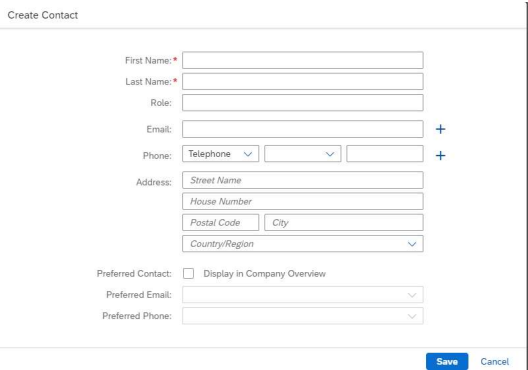
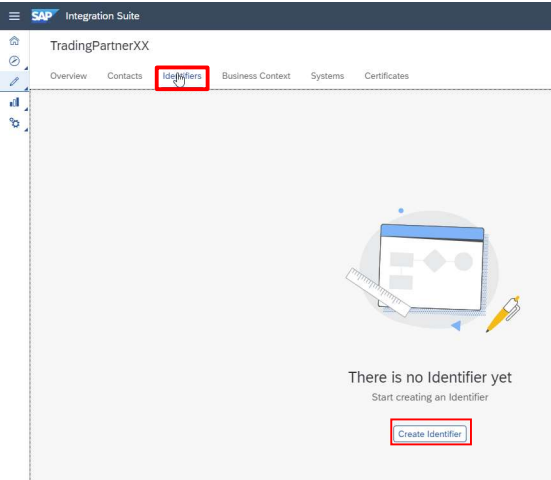
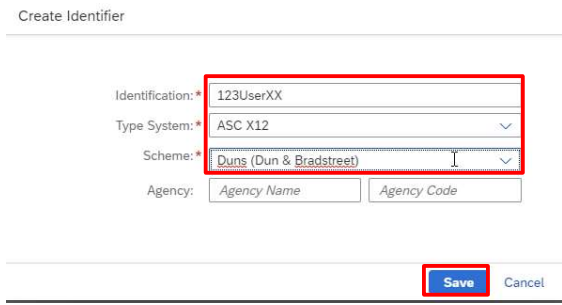
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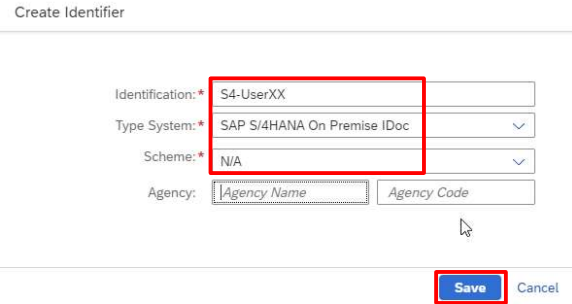
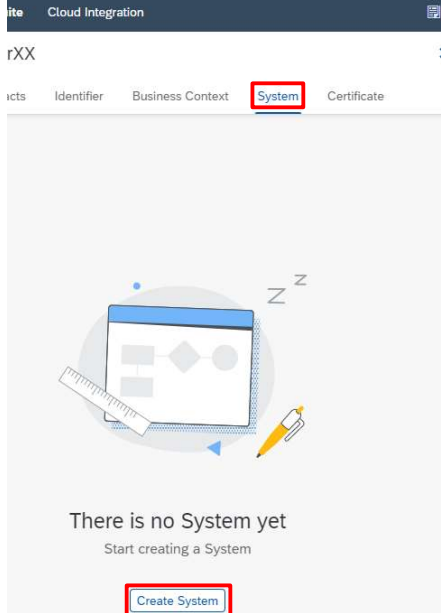
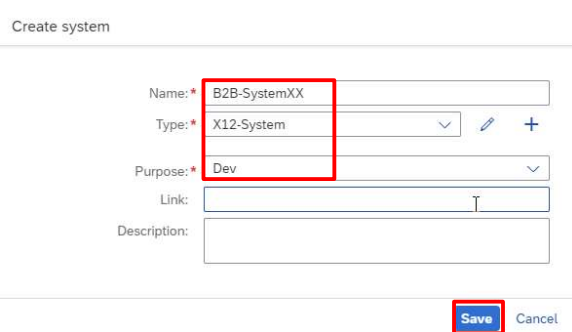
For the User ID please use: UserXX (with XX the Number of your group)

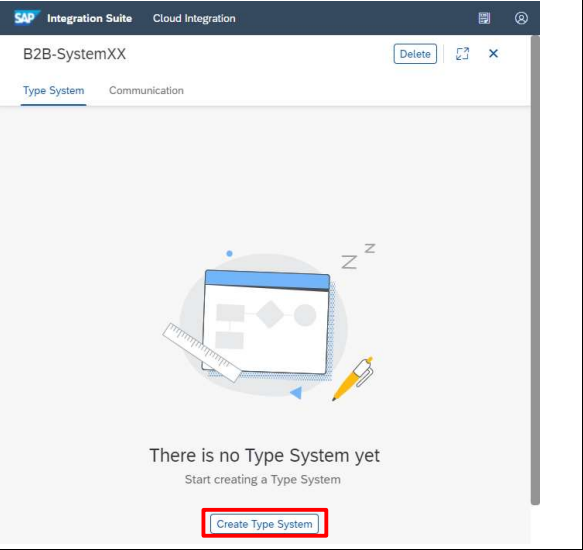

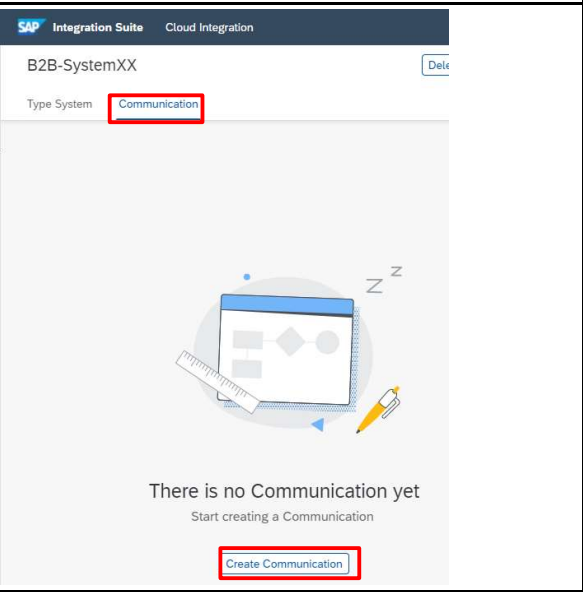
As Password please use: Welcome1

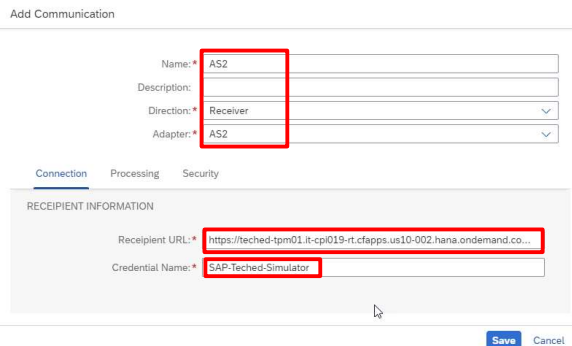
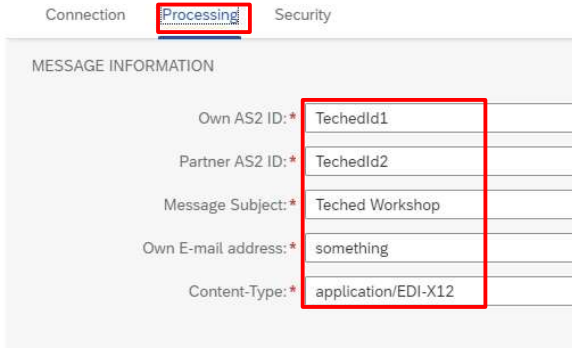
Explanation	Screenshot
1. Log on to the Integration Suite tenant with your system details provided to you by the instructors.	
2. Navigate to <i>Design</i> and select <i>B2B Scenarios</i> .	
3. As you want to onboard a new Trading Partner switch to the tab <i>Trading Partners</i> .	

Explanation	Screenshot
4. Select <i>Create</i> to create a new Trading Partner.	
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.	
Please save the newly created Trading Partner.	
7. Switch to the <i>Contacts</i> tab and select <i>Create Contact</i> .	

Explanation	Screenshot
8. On the <i>Contacts</i> tab, you can optionally add names and details of persons which are responsible on the Trading Partner side.	
9. Navigate to the tab <i>Identifier</i> and select <i>Create Identifier</i> .	
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 & Bradstreet), then save the new identifier.	

Explanation	Screenshot
Maintain the second identifier as follows: Use Identification <i>S4-UserXX</i> (with XX your group number), select Type System <i>SAP S/4HANA on Premise IDoc</i> , and Scheme <i>N/A</i> , then save the new identifier.	 <p>Create Identifier</p> <p>Identification:* S4-UserXX</p> <p>Type System:* SAP S/4HANA On Premise IDoc</p> <p>Scheme:* N/A</p> <p>Agency: Agency Name Agency Code</p> <p>Save Cancel</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>Cloud Integration</p> <p>System</p> <p>There is no System yet</p> <p>Start creating a System</p> <p>Create System</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>Create system</p> <p>Name:* B2B-SystemXX</p> <p>Type:* X12-System</p> <p>Purpose:* Dev</p> <p>Link:</p> <p>Description:</p> <p>Save Cancel</p>

Explanation	Screenshot
13. Select the beforehand created system to create the supported type-Type systemSystem . On tab <i>Type System</i> , select <i>Create Type System</i> .	
Use <i>ASC X12</i> and Version 004010 , then save the new Type System.	
14. Next, you need to maintain the communication details. Switch to tab <i>Communication</i> and select <i>Create Communication</i> .	

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 (SAP-Teched-Simulator) and the Endpoint of that Trading Partner (please use: https://teched-tpm01.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. Especially the Identifiers might be irritating if you use TPM for the first time. TPM differentiates between IDs Identifiers which will be used in the system of the company and IDs 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>000000000000002</DOCNUM>
      <DOCREL>1809_FPS02</DOCREL>
      <DIRECT>2</DIRECT>
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```

GPR_020 is the Identifier which you can find in the My Company Details.
S4-UserXX can be found in the Details of the Trading Partner under "Identifier as Company" (as usual the XX will then be your group number).

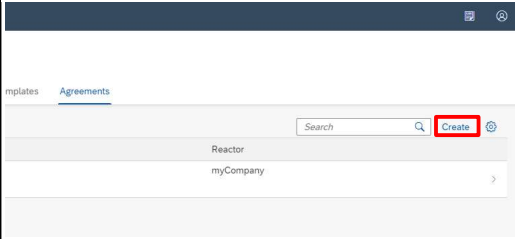
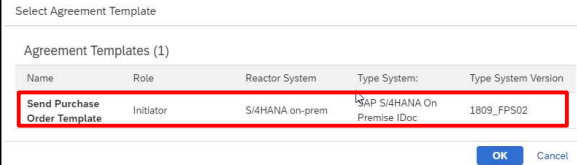
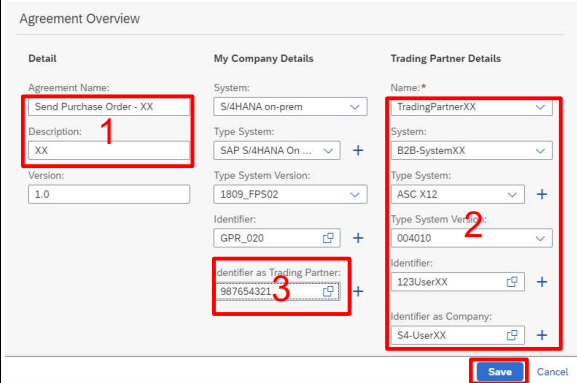
Explanation	Screenshot
1. Navigate back to Design → B2B Scenarios, and switch to the tab Agreements.	

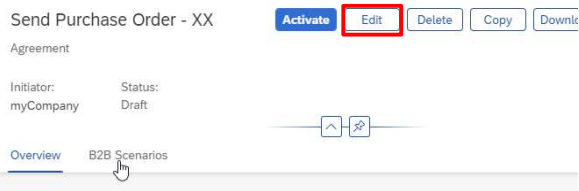

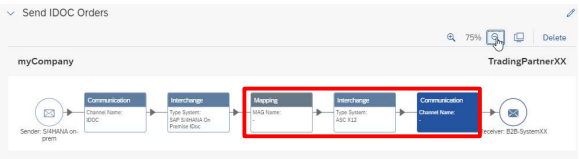
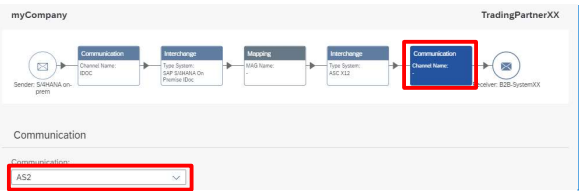
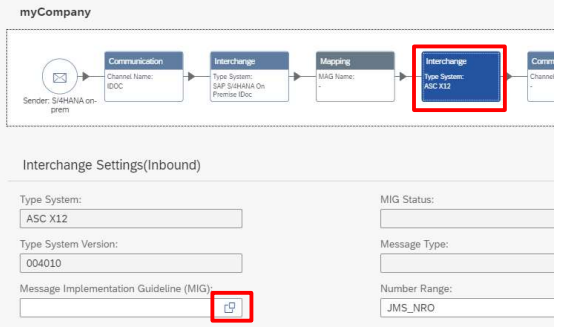
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Commented [LM1]: Ich habe unseren Docu dazu verlinkt wie Identifiers bei uns benutzt werden

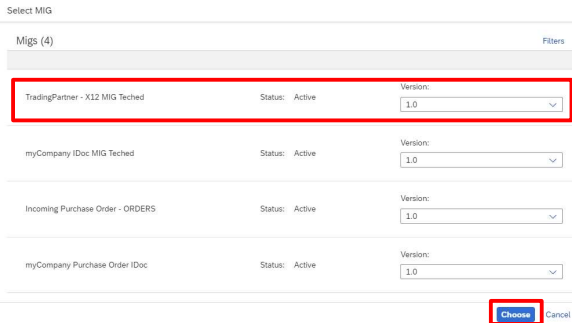

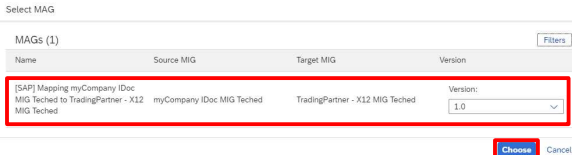
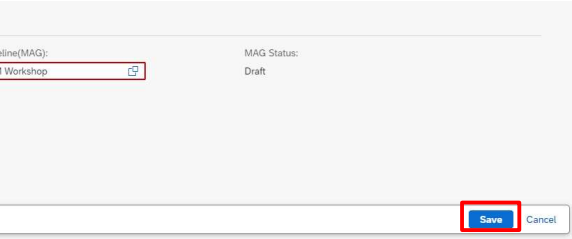
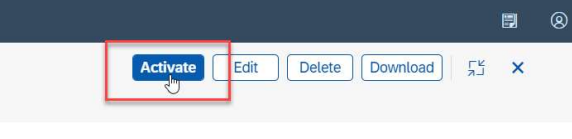
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Explanation	Screenshot
2. On the <i>Agreements</i> tab, create a new Agreement.	
3. In the upcoming dialog, select the existing Agreement Template <i>Send Purchase Order Template</i> and select OK.	
<p>4. Please start with renaming the Agreement to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

Explanation	Screenshot
5. For the newly created agreement, switch to the <i>Edit Mode</i>	
6. Navigate to the tab <i>B2B Scenarios</i> .	
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.	
8. Please start on the right by clicking on the first <i>Communication</i> box within the flow and select AS2 for Communication.	
9. Please click now on the <i>Interchange</i> box to define the Message Implementation Guideline. Select the drop-down list. Note: The Message Implementation Guideline have been already prepared by using the Integration Advisor capability of SAP Integration Suite.	

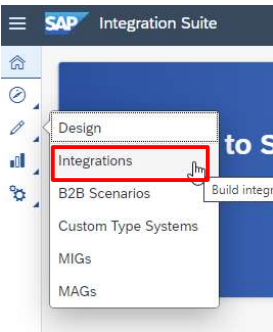
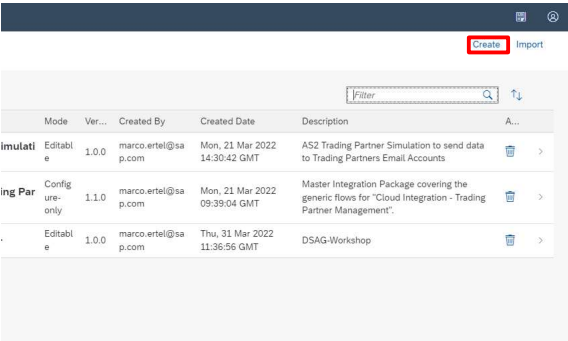
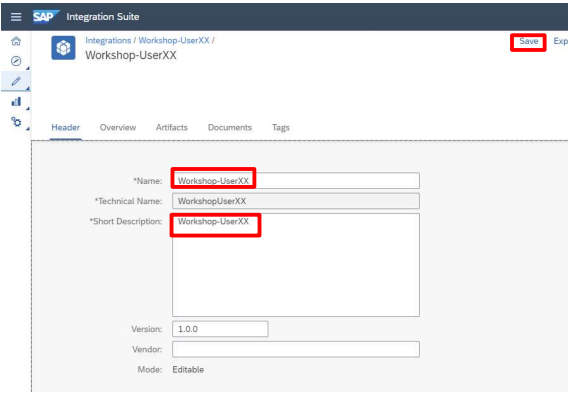
Commented [LM2]: Update ab T9 RTC

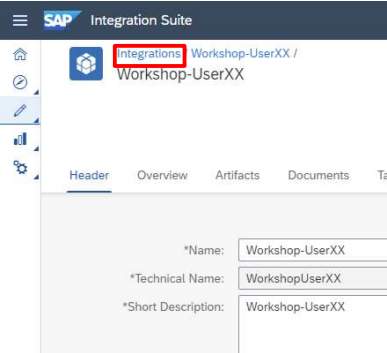
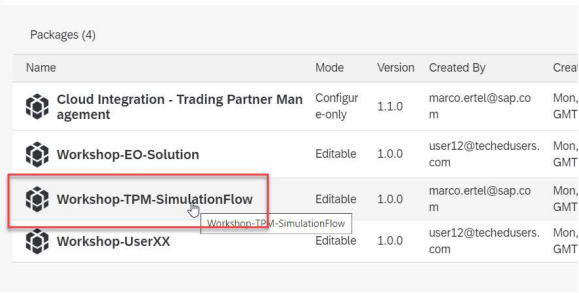
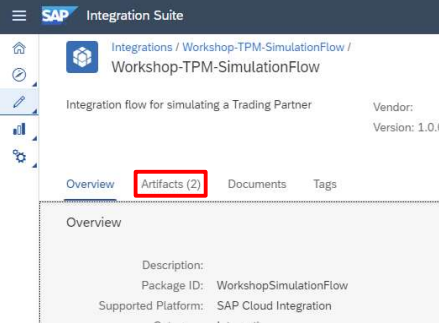
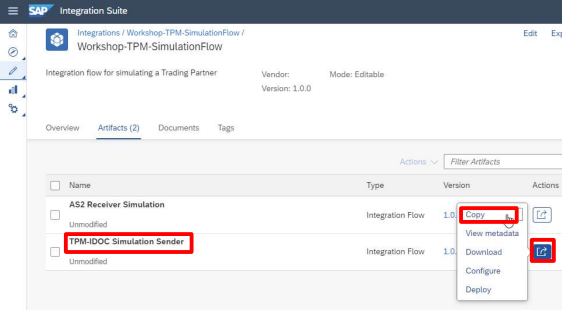
Explanation	Screenshot
10. In the pop up select <i>TradingPartner – X12 MIG Tched</i> and select <i>Choose</i> .	
11. Last step for the definition of the Agreement is to select the <i>Mapping</i> box (which is also prepared by using the Integration Advisor). Select the drop-down list.	
12. In the pop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

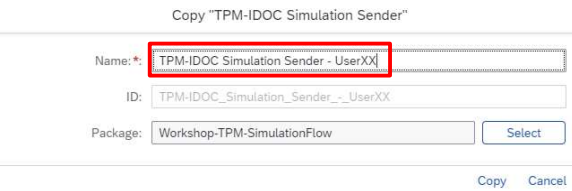
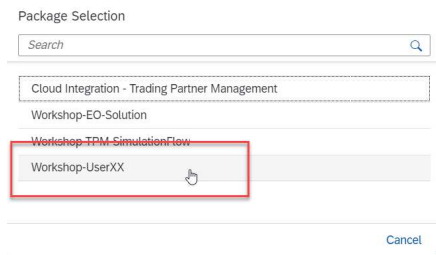
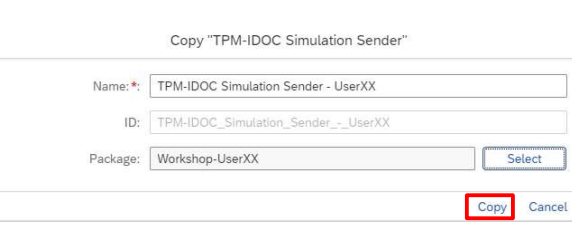
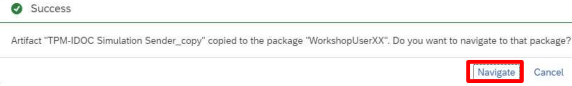
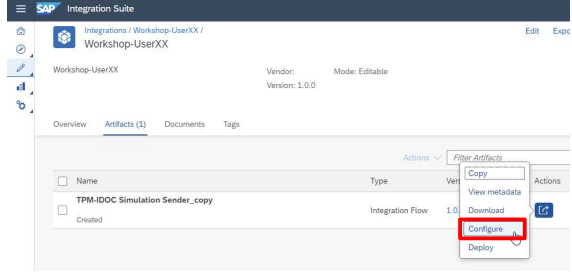
Commented [LM3]:

1.3 Prepare Simulation Flow and send a message

As we have defined that our Company will send an [Idoc-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 [send-sent](#) as soon as the integration flow is deployed.

Explanation	Screenshot																												
1. Navigate to <i>Design</i> -> <i>Integrations</i> .	 The screenshot shows the SAP Integration Suite interface. A dropdown menu is open from the 'Design' icon in the left sidebar. The menu options are 'Design', 'Integrations' (highlighted with a red box), 'B2B Scenarios', 'Build integrations', 'Custom Type Systems', 'MIGs', and 'MAGs'.																												
2. If you haven't done so before, create a new Package by clicking <i>Create</i> .	 The screenshot shows the 'Packages' list in the SAP Integration Suite. At the top right, there are 'Create' and 'Import' buttons, with 'Create' highlighted by a red box. Below is a table of packages. <table><tr><th></th><th>Mode</th><th>Ver...</th><th>Created By</th><th>Created Date</th><th>Description</th><th>A...</th></tr><tr><td>imulati</td><td>Editable</td><td>1.0.0</td><td>marco.ertel@sap.com</td><td>Mon, 21 Mar 2022 14:30:42 GMT</td><td>AS2 Trading Partner Simulation to send data to Trading Partners Email Accounts</td><td>></td></tr><tr><td>ing Par</td><td>Configuration-only</td><td>1.1.0</td><td>marco.ertel@sap.com</td><td>Mon, 21 Mar 2022 09:39:04 GMT</td><td>Master Integration Package covering the generic flows for "Cloud Integration - Trading Partner Management".</td><td>></td></tr><tr><td></td><td>Editable</td><td>1.0.0</td><td>marco.ertel@sap.com</td><td>Thu, 31 Mar 2022 11:36:56 GMT</td><td>DSAG-Workshop</td><td>></td></tr></table>		Mode	Ver...	Created By	Created Date	Description	A...	imulati	Editable	1.0.0	marco.ertel@sap.com	Mon, 21 Mar 2022 14:30:42 GMT	AS2 Trading Partner Simulation to send data to Trading Partners Email Accounts	>	ing Par	Configuration-only	1.1.0	marco.ertel@sap.com	Mon, 21 Mar 2022 09:39:04 GMT	Master Integration Package covering the generic flows for "Cloud Integration - Trading Partner Management".	>		Editable	1.0.0	marco.ertel@sap.com	Thu, 31 Mar 2022 11:36:56 GMT	DSAG-Workshop	>
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	Editable	1.0.0	marco.ertel@sap.com	Thu, 31 Mar 2022 11:36:56 GMT	DSAG-Workshop	>																							
3. Use <i>Workshop-UserXX</i> for Name and Short Description with XX your user Id and save the package.	 The screenshot shows the 'Create Package' form in the SAP Integration Suite. The form fields are: '*Name:' (filled with 'Workshop-UserXX', highlighted with a red box), '*Technical Name:' (filled with 'WorkshopUserXX'), '*Short Description:' (filled with 'Workshop-UserXX', highlighted with a red box), 'Version:' (filled with '1.0.0'), 'Vendor:' (empty), and 'Mode:' (set to 'Editable'). A 'Save' button is highlighted with a red box at the top right. <table><tr><th>Header</th><th>Overview</th><th>Artifacts</th><th>Documents</th><th>Tags</th></tr><tr><td colspan="5"><p>*Name: Workshop-UserXX</p><p>*Technical Name: WorkshopUserXX</p><p>*Short Description: Workshop-UserXX</p><p>Version: 1.0.0</p><p>Vendor:</p><p>Mode: Editable</p></td></tr></table>	Header	Overview	Artifacts	Documents	Tags	<p>*Name: Workshop-UserXX</p> <p>*Technical Name: WorkshopUserXX</p> <p>*Short Description: Workshop-UserXX</p> <p>Version: 1.0.0</p> <p>Vendor:</p> <p>Mode: Editable</p>																						
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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.	

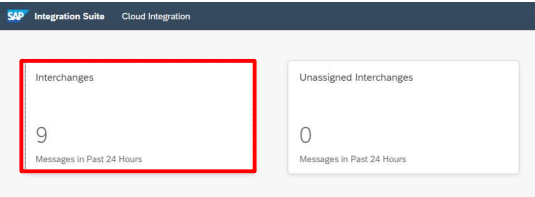
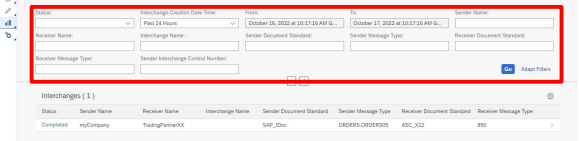
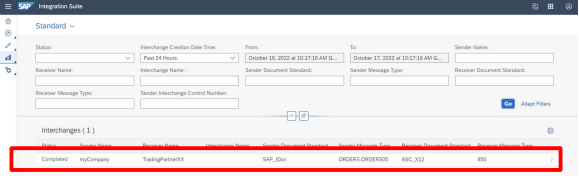
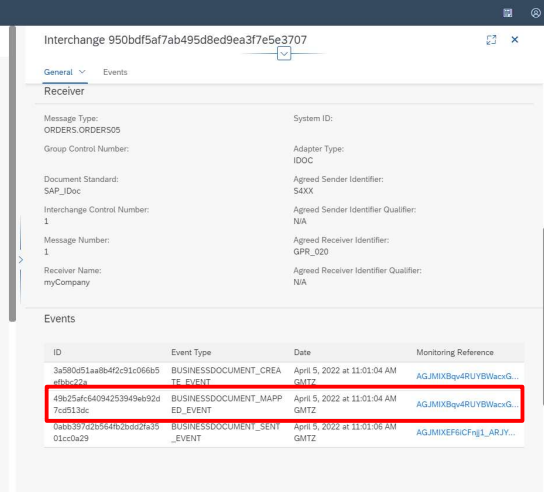
Explanation	Screenshot
8. In the popup, change the name to <i>TPM-AS2-IDOC Simulation Sender - UserXX</i> (with <i>UserXX</i> using your ID). Then select <i>Select</i> to change the target package.	
9. In the upcoming package selection screen, select your package <i>Workshop-UserXX</i> .	
10. Next, select <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.	

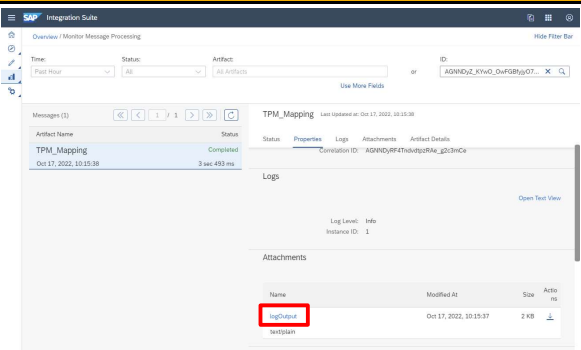
Explanation	Screenshot
<p>13. Please configure the integration flow with your <u>mail address and UserID UserXX</u>. <u>The transformed message will be sent to this Mailaddress.</u> Then select Save and Deploy. Once the integration flow is successfully deployed, the message is sent and should appear in your mailbox a few seconds later.</p>	<p>The screenshot shows two configuration panels in the SAP Integration Suite. The top panel, titled 'Configure "TPM-IDOC Simulation Sender_copy"', has a 'More' button and a 'Type' dropdown set to 'All Parameters'. The 'UserID' field is set to 'UserXX' and is highlighted with a red box. Below this are 'Save', 'Deploy', and 'Close' buttons. The bottom panel, titled 'Configure "TPM-IDOC Simulation Sender_XX"', also has a 'More' button. Its 'Type' dropdown is set to 'All Parameters', 'MailAddress' is set to 'your.email@address.here', and 'UserID' is set to 'UserXX'. A red box highlights the 'MailAddress' field. At the bottom right of this panel is a 'Save' button.</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 Monitor → B2B Scenarios.</p>	<p>The screenshot shows the SAP Integration Suite navigation menu. The 'Monitor' option is selected, and a sub-menu is displayed. In this sub-menu, 'B2B Scenarios' is highlighted with a red box. Other options visible include 'Integrations', 'Artifacts (1)', 'Documents', and 'Tag'. The main header of the page shows 'Integrations / Workshop-UserXX / Workshop-UserXX'.</p>

Explanation	Screenshot
2. On the tiles you see how many interchanges had been processed in the last 24 hours. Click on the left tile.	
3. Now you see all messages from the last 24 hours. You can restrict them by using the filters.	
4. Click on one of your Completed 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.	

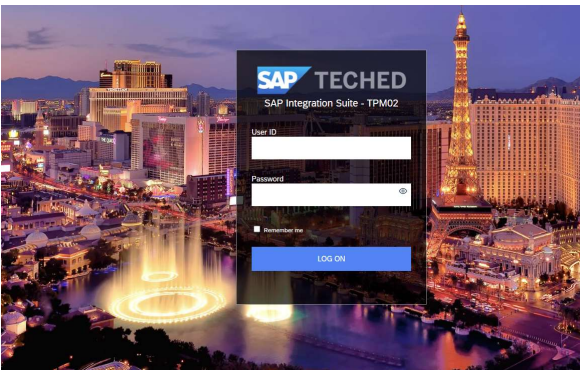
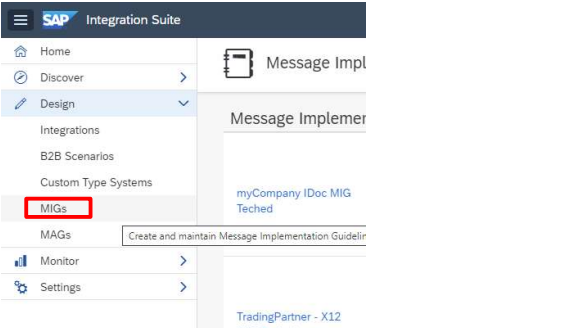
Explanation	Screenshot
6. Depending on the Event you've selected, you see here more details on a technical level to solve issues if necessary.	

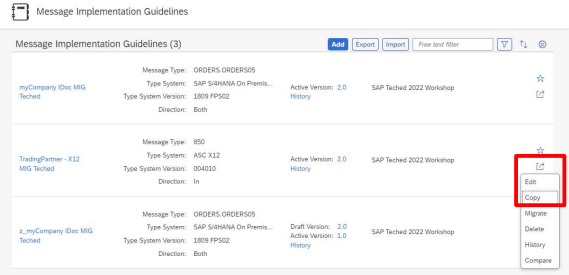

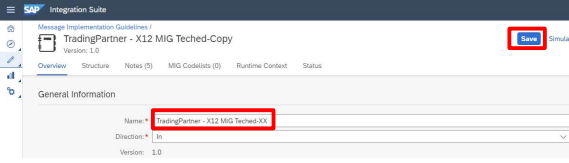
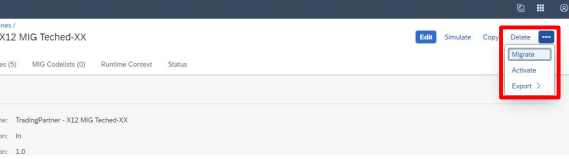
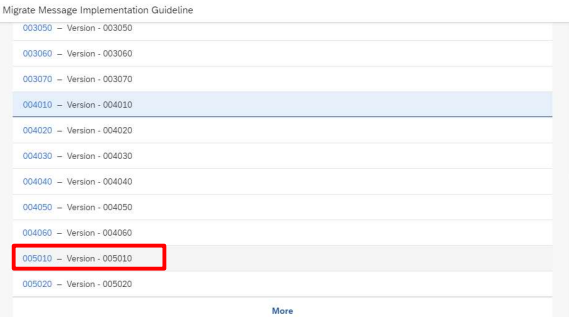
Congrats, you have successfully completed the first exercise.

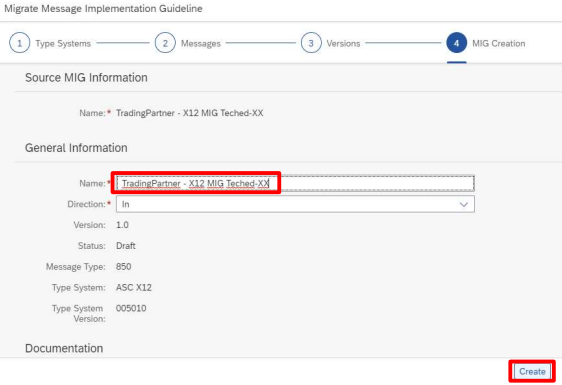
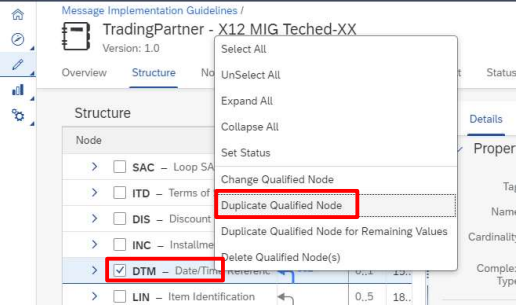
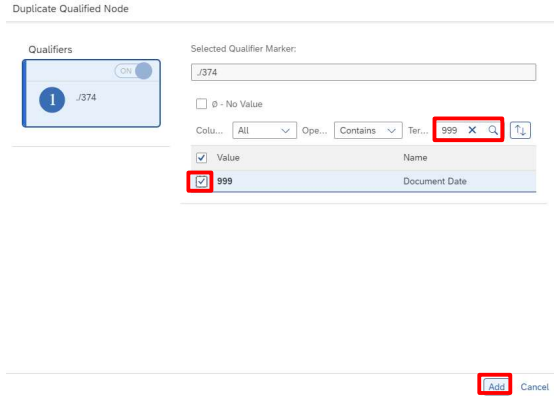
2 OPTIONAL: EXERCISE 2

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.

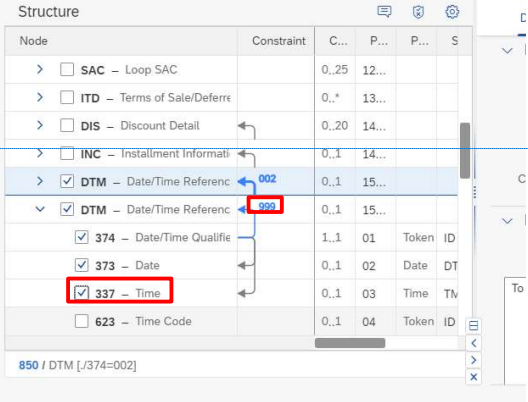
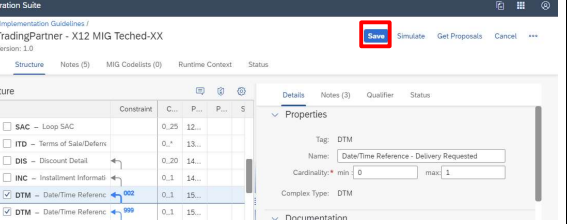
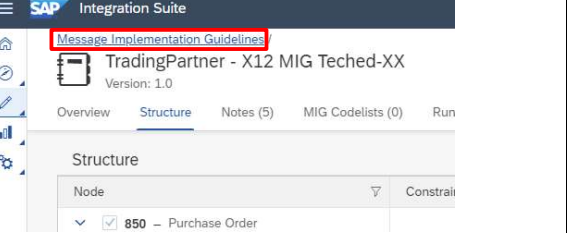
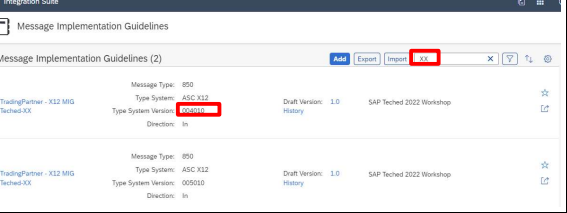
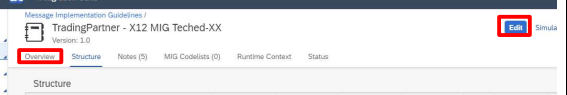
Explanation	Screenshot
1. Log on to the Integration Suite tenant with your system details provided to you by the instructors.	
2. Navigate to the MIGS (Design->MIGs)	

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 on the Overflow button "..." then <i>Migrate</i> .	
7. Click on Version <u>005010</u> .	

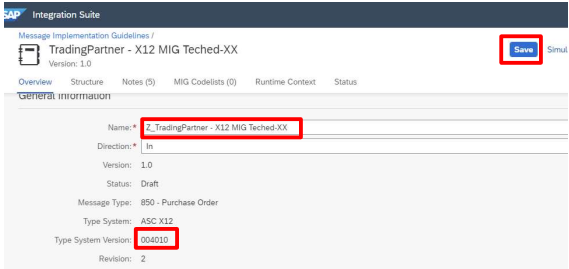
Explanation	Screenshot
8. Change the name by deleting the <i>migrated</i> path that it will have the name <i>TradingPartner – X12 MIG Teched-XX</i> (with XX your group number). Then click on <i>Create</i> .	
9. Now we need want to an addition a new DTM node, qualified with value 999 (Document Date). 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> .	
10. Search now for 999, select the checkbox and press <i>Add</i> .	

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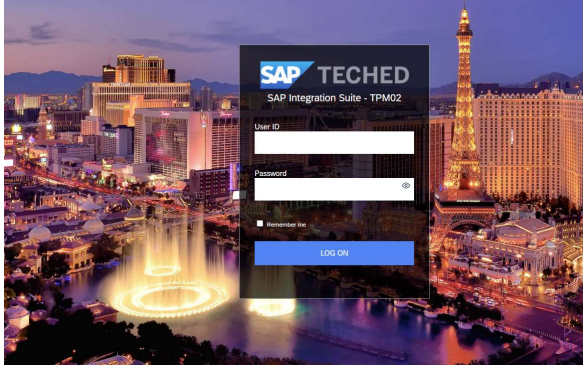
Explanation	Screenshot
11. This adds another DTM node with the Qualifier value 999 which has now to be modified as the Trading Partner also wants to have the time (337) in the message. Open Collapse the DTM Node and checkmark the 337.	
12. Save the MIG.	
13. Rename the 4010 MIG to make the next steps easier. For this go to the overview of MIGs.	
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>	

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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>	



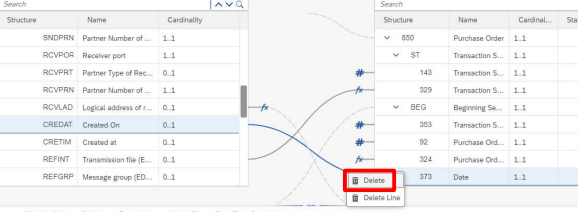
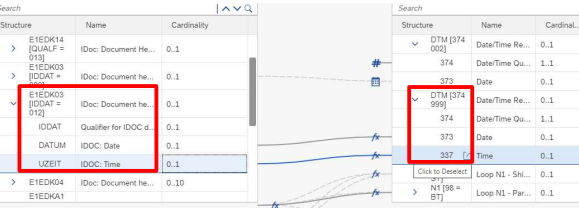
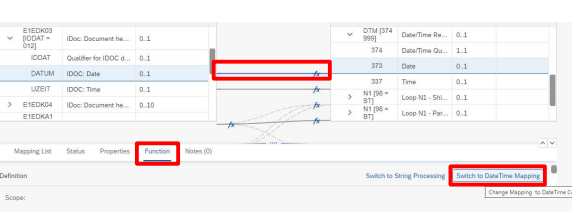
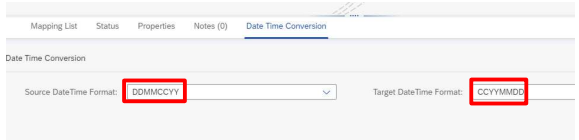
2.2 Create a NEW MAG to fit the updated MIG
und möchte anderes Datumsformat, sowie ein paar weitere Mappingänderungen:

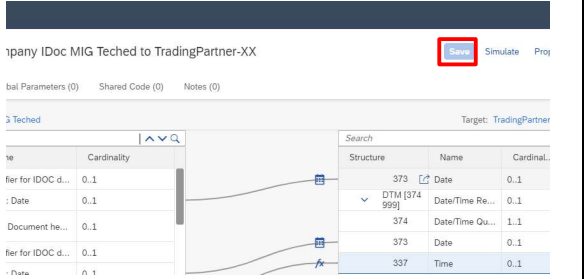
copy MAG auf eigenes MAG (und umbenennen)
austausch des Target MIG durch das neu erstellte MIG
ändern des mappings
-löschen des Mappings von credat nach BEG 374
-anlegen E1EDK02_001->DATUM nach BEG373
-anlegen E1EDK03_002->DTM(374=002)->373
-anlegen E1EDK03_12 DATUM->DTM(374=999)->373
-anlegen E1EDK03_12 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 ([SAP] Mapping myCompany IDoc MIG Tched to TradingPartner - X12 MIG Tched). Please copy only the MAG (see Screenshot) as otherwise the MIGs also will be copied.	
4. In the copied MAG switch to the Edit Mode .	
5. And n avigate to the Overview Tab to rename the MAG Mapping myCompany IDoc MIG Tched to TradingPartner-XX (with XX your group number)	
6. Replace the Target MIG with the MIG you've created in Exercise 2.1 by clicking on the Change 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 Change .	

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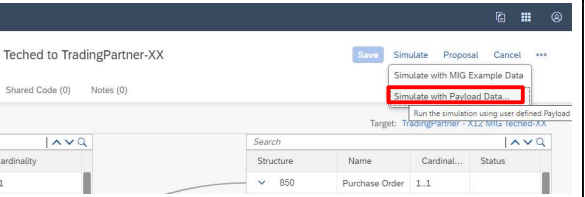



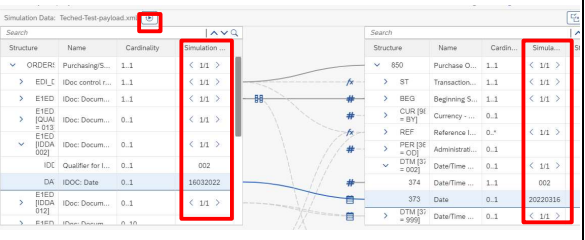
Explanation	Screenshot
8. Switch back to the Tab Mapping. Search for the Mapping from EDI DC40->Credat-CREDAT to BEG->373	
9. Acknowledge the warning.	
10. Switch to the Mapping Tab of the source MAG and search for the connection from EDI_DC40->CREDAT to BEG->373 and do a click with the right mouse button 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 DateTimeMapping.	
13. Select for the Source Format: DDMMCCYY and for the target format CCYYMMDD	

Explanation	Screenshot
14. Save the MAG	 The screenshot shows the 'Tcheted to TradingPartner-XX' mapping configuration. At the top right, there are buttons for 'Save', 'Simulate', and 'Prop'. The 'Save' button is highlighted with a red rectangle. Below the buttons, there are tabs for 'Parameters (0)', 'Shared Code (0)', and 'Notes (0)'. The main area shows a mapping diagram with a table on the left and a search table on the right.

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.

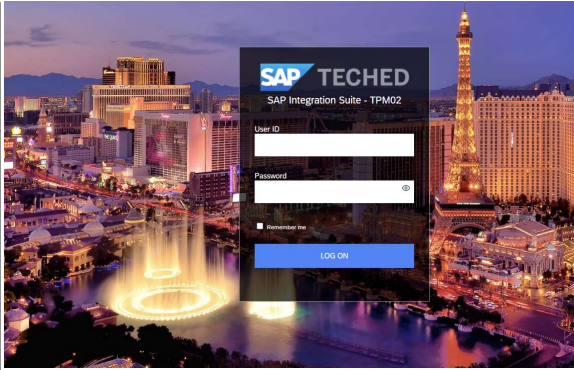
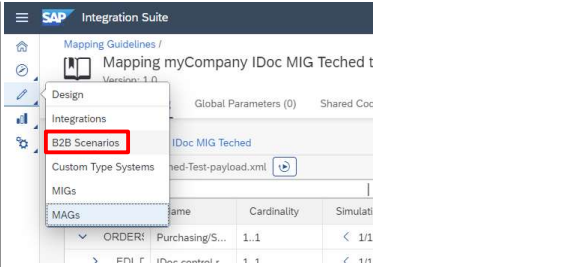
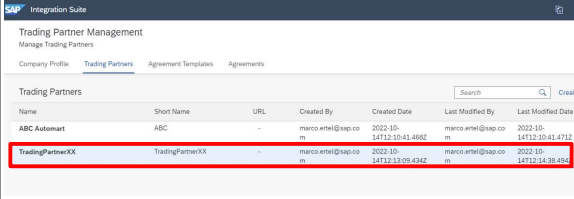
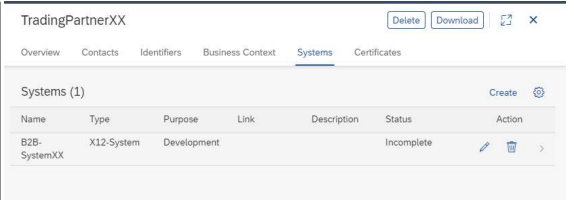

The needed payload can be found here in [github](#) *Tched-Test-payload.xml*. Please download it.

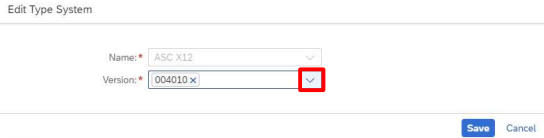
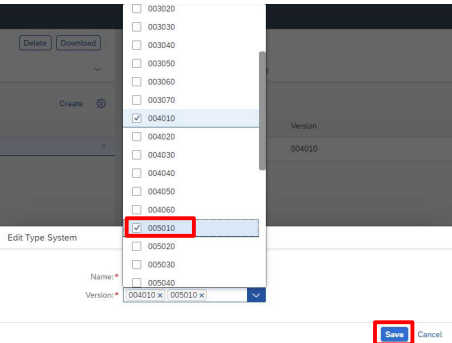
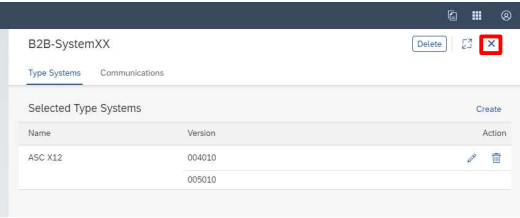
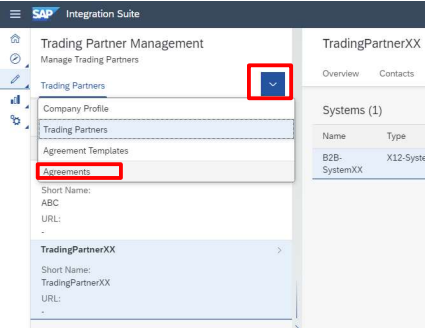
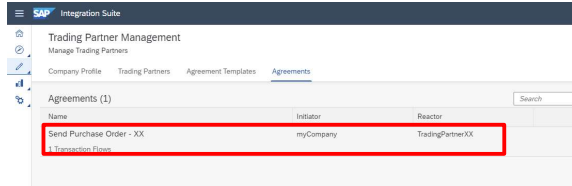
Explanation	Screenshot
1. Click now on the <i>Simulate</i> Button and select <i>Simulate with Payload Data</i> .	 The screenshot shows the 'Tcheted to TradingPartner-XX' mapping configuration. At the top right, there are buttons for 'Save', 'Simulate', 'Proposal', and 'Cancel'. Below these, there are three buttons: 'Simulate with MIG Example Data', 'Simulate with Payload Data' (highlighted with a red rectangle), and 'Simulate with User Defined Payload'. Below the buttons, there are tabs for 'Parameters (0)', 'Shared Code (0)', and 'Notes (0)'. The main area shows a mapping diagram with a table on the left and a search table on the right.
2. Using the <i>Browse</i> Button navigate to the downloaded <i>Tched-Test-payload.xml</i>	 The screenshot shows a dialog box titled 'Select message payload file (XML)'. It has a text input field and a 'Browse...' button highlighted with a red rectangle. There are also 'OK' and 'Cancel' buttons at the bottom.
3. And press OK	 The screenshot shows the same dialog box as in the previous step. The 'OK' button is highlighted with a red rectangle.
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	 The screenshot shows the 'Tcheted to TradingPartner-XX' mapping configuration. The 'Simulation' button is highlighted with a red rectangle. Below the buttons, there are tabs for 'Parameters (0)', 'Shared Code (0)', and 'Notes (0)'. The main area shows a mapping diagram with a table on the left and a search table on the right. The 'Simulation' column is added to the mapping table.

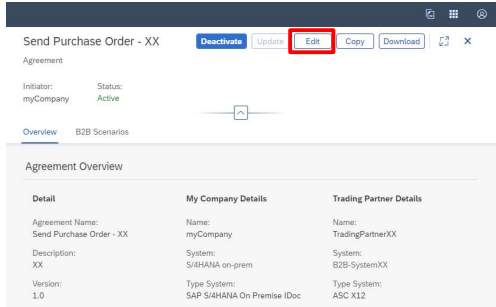
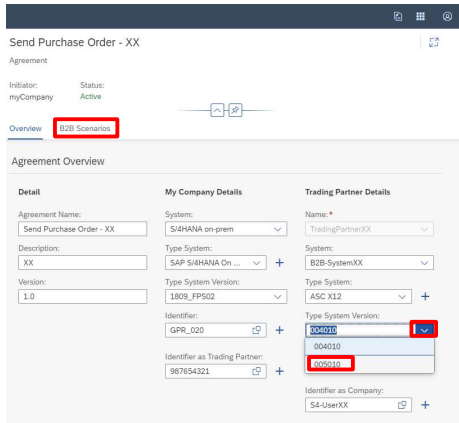
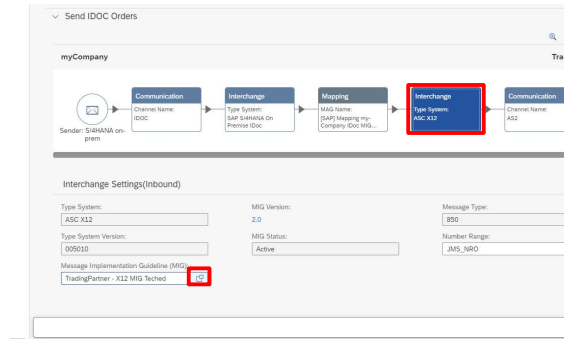
3 OPTIONAL: EXERCISE 3

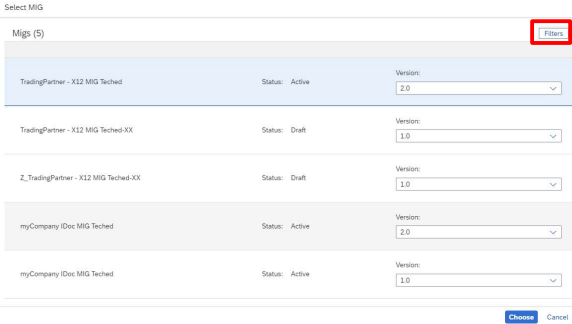
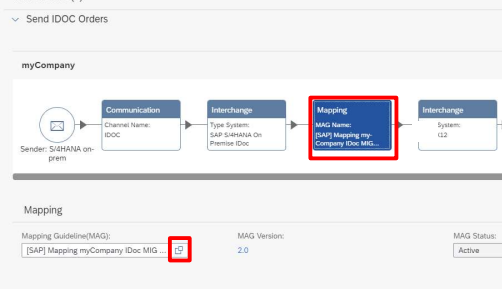
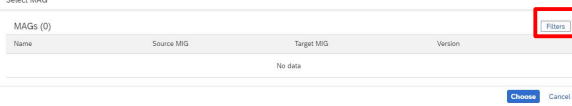
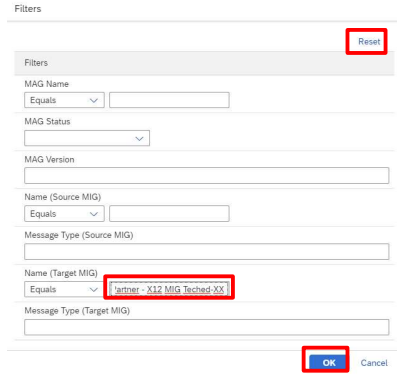
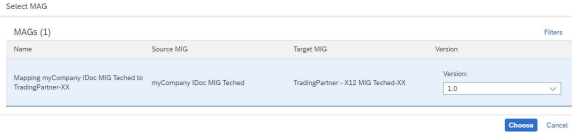
3.1 use new MIG and MAG in TPM

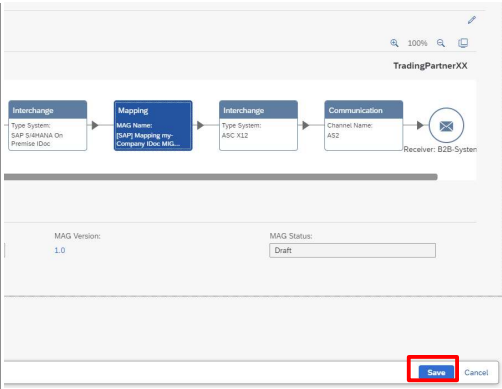
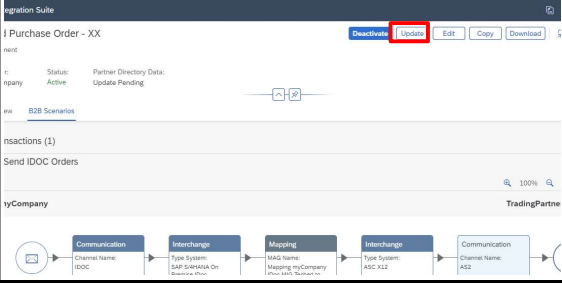
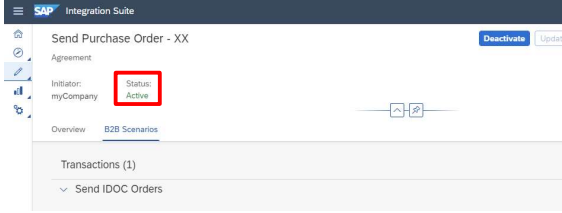
After you've now created a new Target MIG and a adjusted MAG this should be used also in the TPM.

Explanation	Screenshot
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 logo and 'TECHED' text. Below the header, there's a login form with fields for 'User ID' and 'Password', and a 'LOG ON' button. The background is a vibrant, colorful image of a city skyline at night, with the Eiffel Tower prominently visible on the right.
2. Navigate to the B2B Scenarios (Design->B2B Scenarios)	 The screenshot displays the SAP Integration Suite 'Design' view. The left sidebar shows a navigation menu with 'Integrations' and 'B2B Scenarios' highlighted. The main area shows a mapping for 'myCompany IDoc MIG Teched t'. Below this, there's a table with columns for 'Name', 'Cardinality', and 'Simulati'. The table contains one row with 'ORDER' and 'Purchasing/S...' as the name, and '1..1' as the cardinality.
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)	 The screenshot shows the 'Trading Partner Management' section in SAP Integration Suite. It includes a table of trading partners. The table has columns for 'Name', 'Short Name', 'URL', 'Created By', 'Created Date', 'Last Modified By', and 'Last Modified Date'. One row is highlighted with a red box, showing 'TradingPartnerXX' with a 'Short Name' of 'TradingPartnerXX' and a 'Created Date' of '2022-10-14 12:10:43.4712'.
4. Navigate to the Systems and open the B2B-SystemXX by selecting it.	 The screenshot displays the 'TradingPartnerXX' system view in SAP Integration Suite. It shows a table of systems. The table has columns for 'Name', 'Type', 'Purpose', 'Link', 'Description', 'Status', and 'Action'. One row is highlighted with a red box, showing 'B2B-SystemXX' with a 'Type' of 'X12-System' and a 'Status' of 'Incomplete'.
5. Now the Type System has to be modified. Please click on the pencil.	 The screenshot shows the 'B2B-SystemXX' system view in SAP Integration Suite. It displays a table of type systems. The table has columns for 'Name', 'Version', and 'Action'. One row is highlighted with a red box, showing 'ASC X12' with a 'Version' of '004010' and a 'Status' of 'Incomplete'.

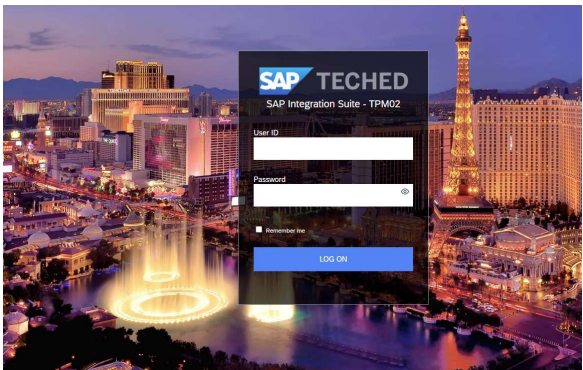
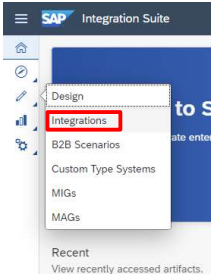
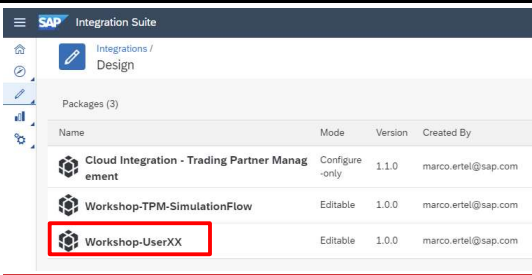
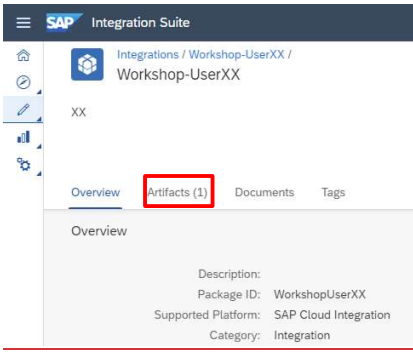
Explanation	Screenshot
6. Open the drop-down Box for the versions	
7. And select version 005010 and save.	
8. Navigate to your Trading Partner Agreement by closing the System	
9. Then select the <i>Agreements</i> in the menu	
10. Select your Agreement (<i>Send Purchase Order - XX with XX your group number</i>)	

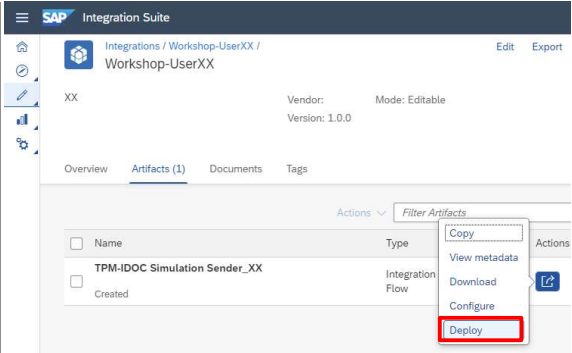
Explanation	Screenshot
11. Switch to the <i>Edit</i> Mode.	 <p>The screenshot shows the 'Send Purchase Order - XX' agreement overview. At the top, there are buttons: 'Deactivate', 'Update', 'Edit' (highlighted with a red box), 'Copy', 'Download', and a close icon. Below these, the agreement details are shown: 'Initiator: myCompany', 'Status: Active'. The 'Overview' tab is selected, showing 'B2B Scenarios'. The 'Agreement Overview' section contains three columns: 'Detail', 'My Company Details', and 'Trading Partner Details'. The 'Detail' column shows 'Agreement Name: Send Purchase Order - XX', 'Description: XX', and 'Version: 1.0'. The 'My Company Details' column shows 'Name: myCompany', 'System: S/4HANA on-prem', and 'Type System: SAP S/4HANA On Premise IDoc'. The 'Trading Partner Details' column shows 'Name: TradingPartnerXX', 'System: B2B-SystemXX', and 'Type System: ASC X12'.</p>
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> .	 <p>The screenshot shows the 'Send Purchase Order - XX' agreement overview. The 'B2B Scenarios' tab is highlighted with a red box. The 'Agreement Overview' section contains three columns: 'Detail', 'My Company Details', and 'Trading Partner Details'. The 'Detail' column shows 'Agreement Name: Send Purchase Order - XX', 'Description: XX', and 'Version: 1.0'. The 'My Company Details' column shows 'System: S/4HANA on-prem', 'Type System: SAP S/4HANA On ...', and 'Type System Version: 1809_FP502'. The 'Trading Partner Details' column shows 'Name: TradingPartnerXX', 'System: B2B-SystemXX', and 'Type System: ASC X12'. The 'Type System Version' dropdown is highlighted with a red box, showing '004010' and '005010' (selected) options.</p>
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.	 <p>The screenshot shows the 'Send IDOC Orders' page. The 'Interchange' dropdown is highlighted with a red box, showing 'SAP S/4HANA On Premise IDoc' selected. The 'Interchange Settings (inbound)' section shows 'Type System: ASC X12', 'Type System Version: 005010', 'MIG Version: 2.0', 'MIG Status: Active', 'Message Type: B50', and 'Number Range: JMS_NRO'. The 'Message Implementation Guideline (MIG)' dropdown is highlighted with a red box, showing 'TradingPartner - X12 MIG Techno' selected.</p>

Explanation	Screenshot
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	
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.	
17. Reset the filter and enter the Name of the Target MIG (<i>TradingPartner - X12 MIG Teched-XX with XX your group number</i>)	
18. Select the MAG you've created in Exercise 2.2	

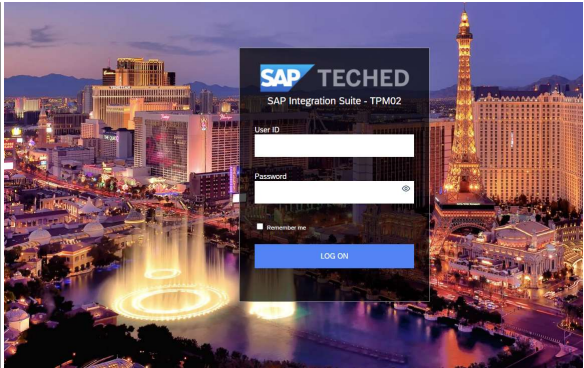
Explanation	Screenshot
19. The Agreement is now changed, needs to be saved.	
20. And the necessary data in the Partner Directory needs to be updated.	
21. Check if the update was successful.	

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.	 A screenshot of the SAP TECHED login interface. The background shows a city skyline at night with a fountain. The login form has fields for 'User ID' and 'Password', a 'Remember me' checkbox, and a 'LOG ON' button. The text 'SAP Integration Suite - TPM02' is visible above the password field.
2. Navigate to Design->Integrations	 A screenshot of the SAP Integration Suite 'Design' menu. The menu is open, showing options: Design, Integrations (highlighted with a red box), B2B Scenarios, Custom Type Systems, MIGs, and MAGs. Below the menu, there is a 'Recent' section with the text 'View recently accessed artifacts:'.
3. <u>Navigate to your package Workshop-UserXX (with your XX your group number)</u>	 A screenshot of the SAP Integration Suite 'Design' view showing a list of packages. The list has columns: Name, Mode, Version, and Created By. The packages are: 'Cloud Integration - Trading Partner Management' (Configure-only, 1.1.0), 'Workshop-TPM-SimulationFlow' (Editable, 1.0.0), and 'Workshop-UserXX' (Editable, 1.0.0). The 'Workshop-UserXX' package is highlighted with a red box.
4. <u>In the Package navigate to the Artifacts</u>	 A screenshot of the SAP Integration Suite 'Artifacts' view for the 'Workshop-UserXX' package. The view shows tabs for 'Overview', 'Artifacts (1)' (highlighted with a red box), 'Documents', and 'Tags'. Below the tabs, there is an 'Overview' section with the following details: Description: WorkshopUserXX, Package ID: WorkshopUserXX, Supported Platform: SAP Cloud Integration, and Category: Integration.

Explanation	Screenshot
5. <u>Now deploy the iflow again which sends again a test message</u>	
6. Now you should see a new mail in your inbox and also can use the monitoring features from chapter 1.4	

4— OPTIONAL: EXERCISE 4...IRGENDWAS IM MONITORING MIT DEN ACKS

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

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Explanation	Screenshot