



DA160 – Hands-On Experience with SAP Master Data Governance, cloud edition

Exercise 5 Data Quality Management



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This exercise is part of the SAP TechEd 2023 workshop *DA160 Hands-On Experience with SAP Master Data Governance, cloud edition*. All workshop materials are available in the [github.com](#) repository [SAP-samples/teched2023-DA160](#).

Prerequisites

You have logged on to the tenant dedicated to your group. Please verify that your group's number fits to the URL displayed in the browser.

You created several business partners in the previous exercise and changed the search term of several business partners to the value *ABC*. You can also perform this exercise without completing the previous exercises. However, there will be fewer business partners with erroneous data than in the screenshots of the exercises.

Objective of this Exercise

With this exercise you explore some of the features for master data quality management offered by SAP Master Data Governance, cloud edition (MDG Cloud). You will see how data quality rules for validation of master data are managed and how you can control their usage in master data processes. You will use the *Evaluation Results* app to analyze the results of a data quality evaluation and see how you can fix detected errors.

Estimated time: 20 minutes

Exercise Description

This exercise is split in 8 parts. It is required to perform each step after the other.

Step 1: Define a validation rule for search terms

Launch the app *Validation Rules* and create a rule to check if the values for search term 1 and search term 2 are equal. Equal values should be considered as an error.

Step 2: Implement the validation rule with BRFplus

For complex rules it might be required to involve an expert for rule implementation. For this simple rule, you also assume this role and continue by implementing the expressions in BRFplus.

Step 3: Approve the validation rule for usage

You act again as the rule owner with the task to confirm the correct implementation of the rule and approve the rule for usage in the enabled usages.

Step 4: Perform a data quality evaluation and analyze the results.

Evaluate the data quality of the business partners in your tenant by scheduling a job for a single and immediate execution.

Step 5: Compare data quality by country

Now, with the evaluation results available, compare data quality per country of the business partner.

Step 6: Correct the erroneous business partners

Change the filters to display only business partners with errors. Then use mass processing to fix the issues.

Step 7: Refresh the evaluation results

Evaluation results are also visible in the Validation Rules app. Check the current status and perform another data quality evaluation to see the changes.

Step 8: See the effect of the rule in central governance

Since you also enabled the usage Check in Central Governance, let's now see the effect in the app Manage Business Partners – Central Governance.

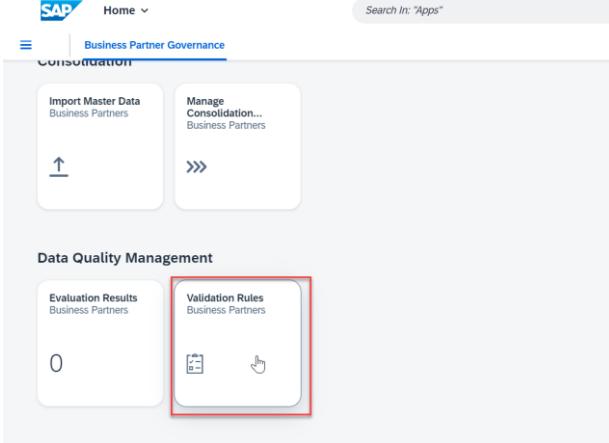
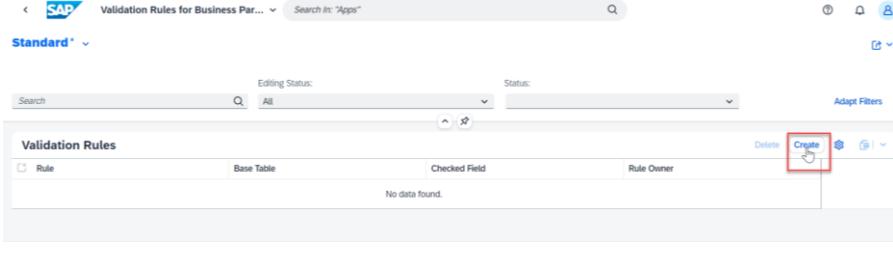
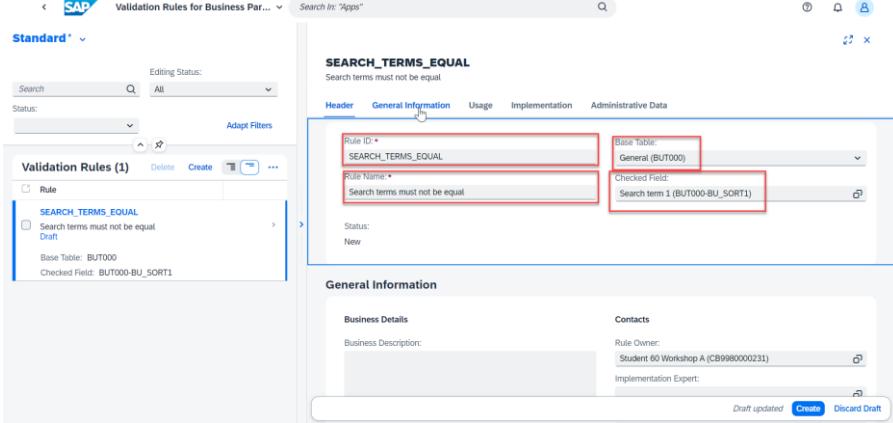


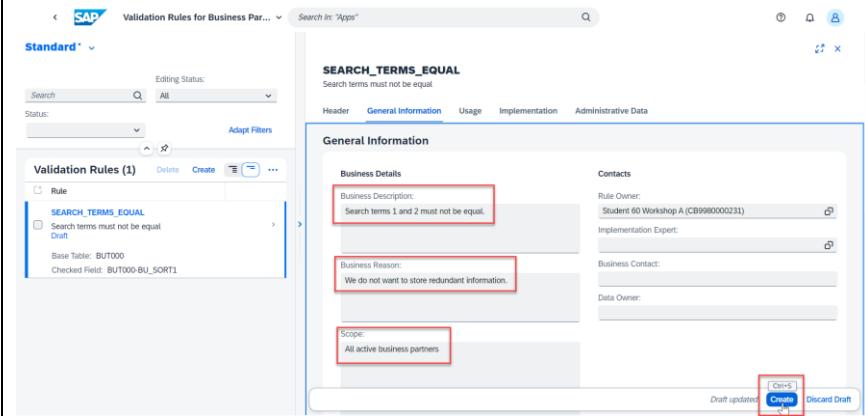
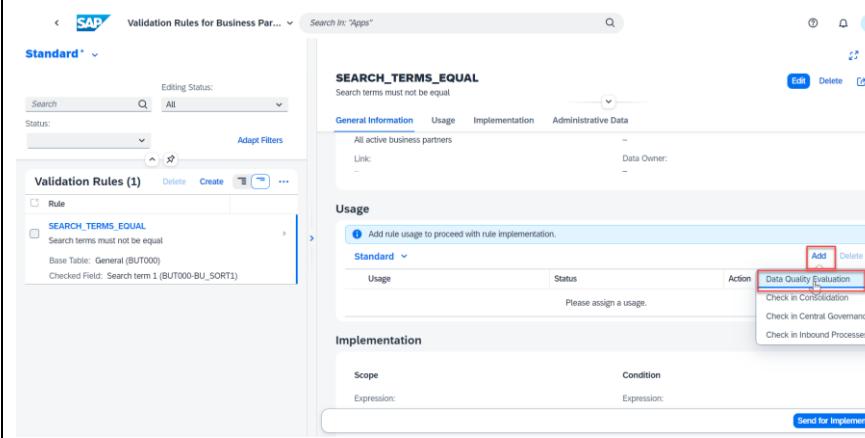
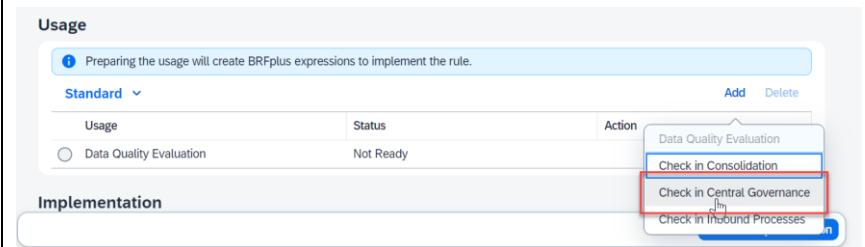
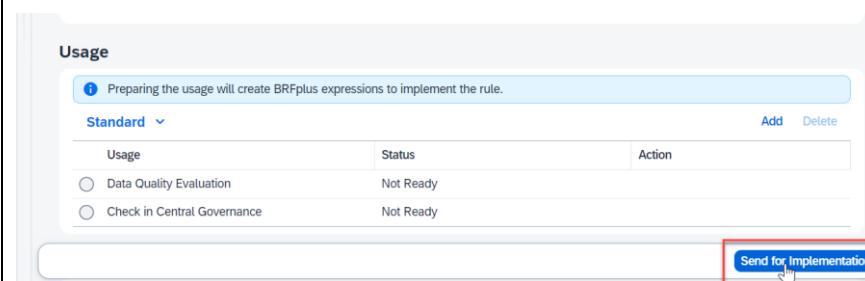
Instructions

Step 1: Define a validation rule for search terms

Launch the app *Validation Rules* and create a rule to check if the values for search term 1 and search term 2 are equal. Equal values should be considered as an error.



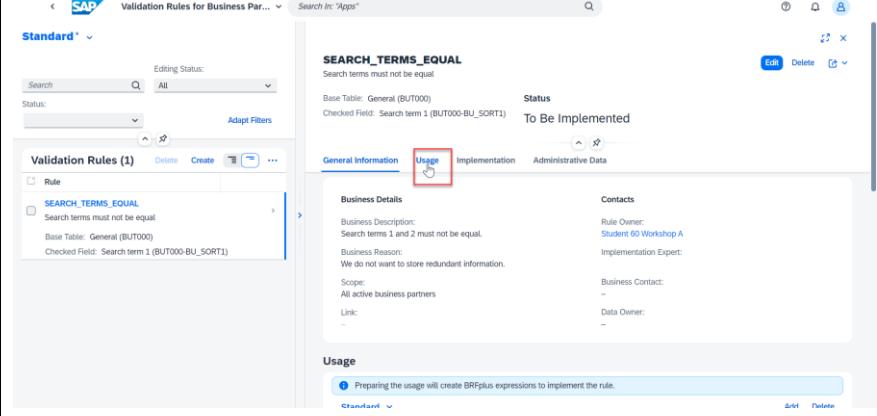
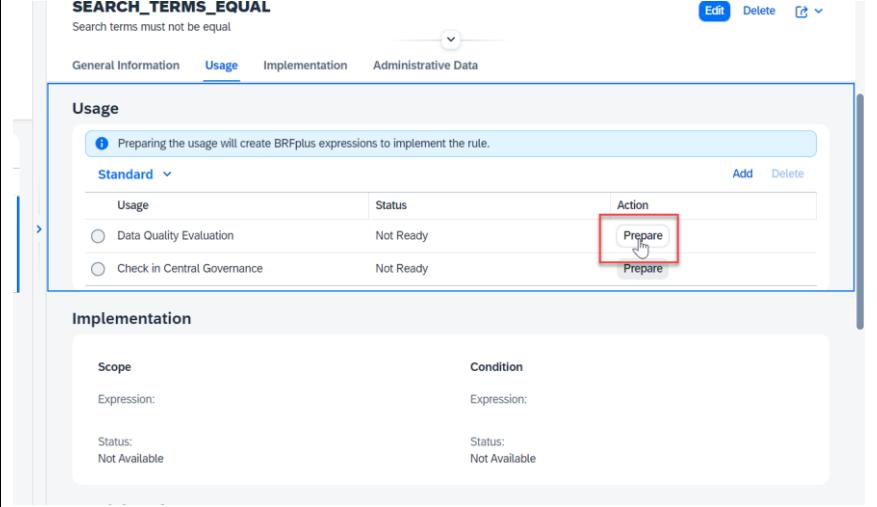
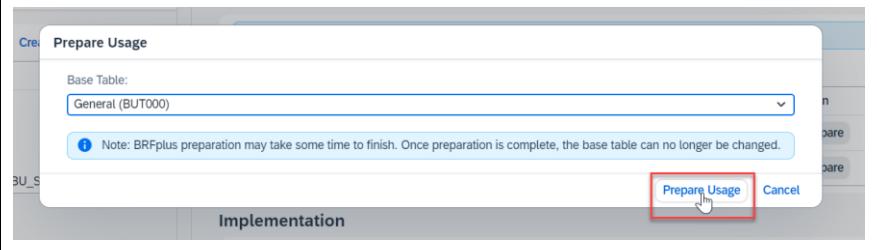
Explanation	Screenshot
1. Launch the app Validation Rules – Business Partners from the home page.	
2. Click on Create .	
3. Enter SEARCH_TERMS_EQUAL as the rule ID. Enter Search terms must not be equal as the rule name. Select General (BUT000) as base table. Enter Search term 1 (BUT000-BU_SORT1) as the checked field.	

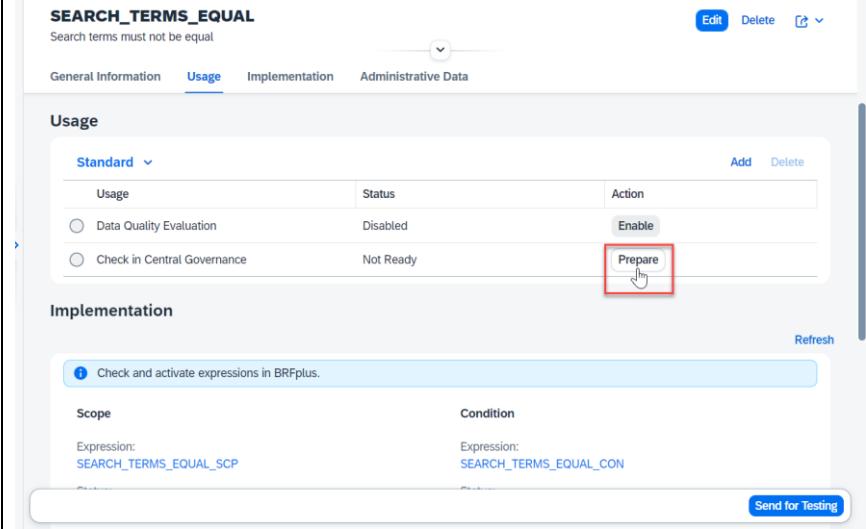
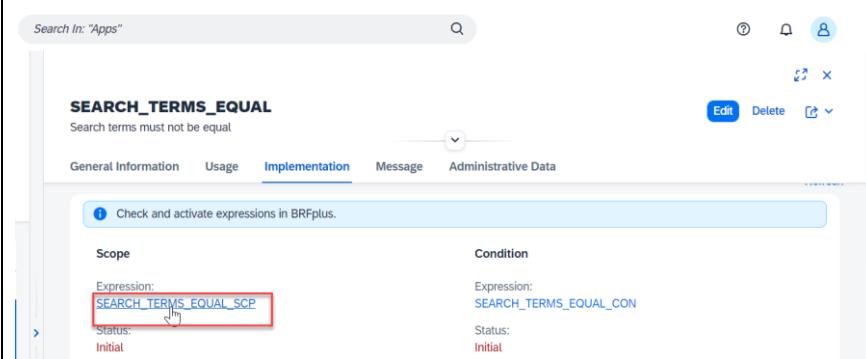
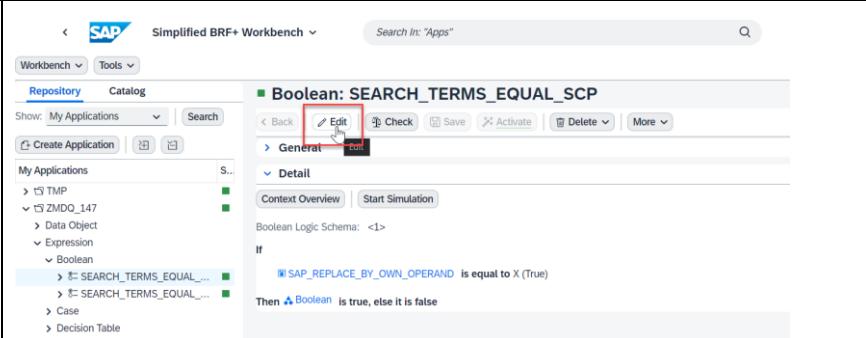
Explanation	Screenshot
<p>4. As business description enter Search terms 1 and 2 must not be equal.</p> <p>As business reason enter We do not want to store redundant information.</p> <p>Then, enter All active business partners as scope.</p> <p>Finally, press Create.</p>	
<p>5. You intend to use the validation rule for Data Quality Evaluation.</p> <p>Go to the section Usage.</p> <p>Click on Add, then choose Data Quality Evaluation.</p>	
<p>6. You also want to use the validation rule for in Central Governance.</p> <p>Click on Add, then choose Check in Central Governance.</p>	
<p>7. You are done with the definition of the rule and hand it over for implementation.</p>	

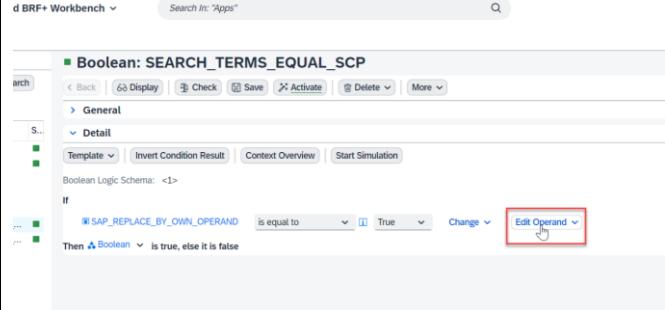
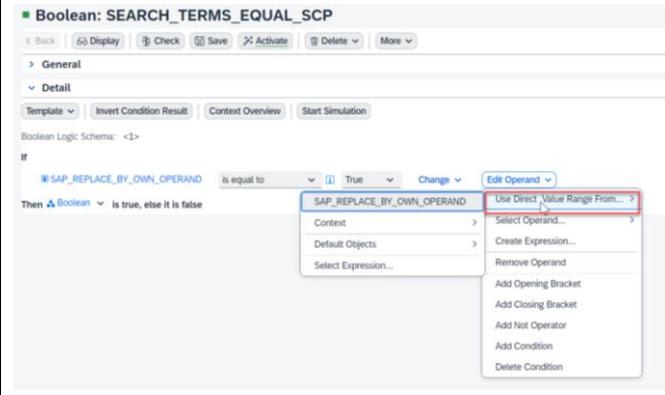
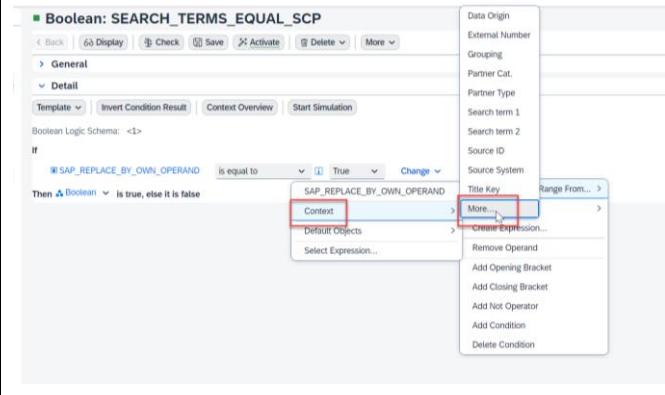


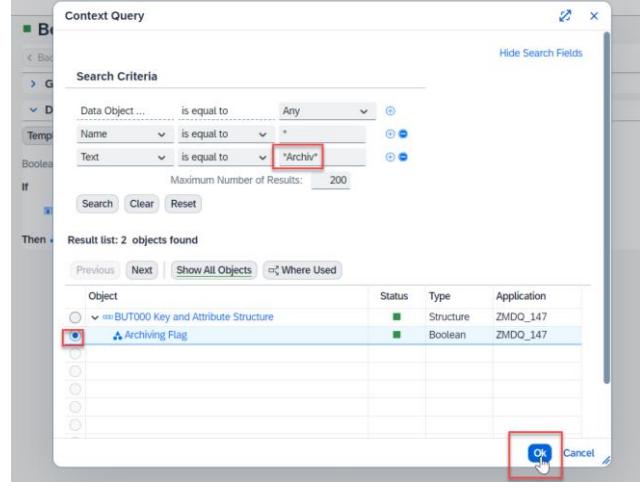
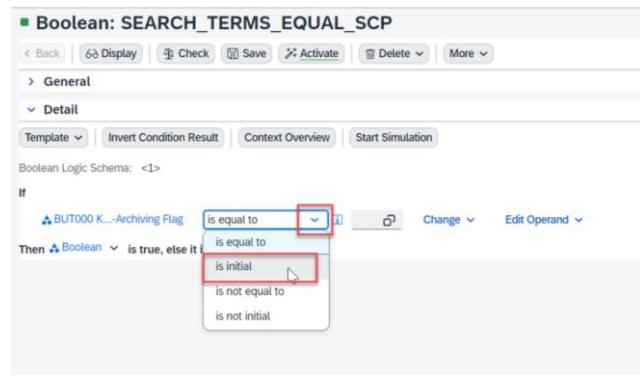
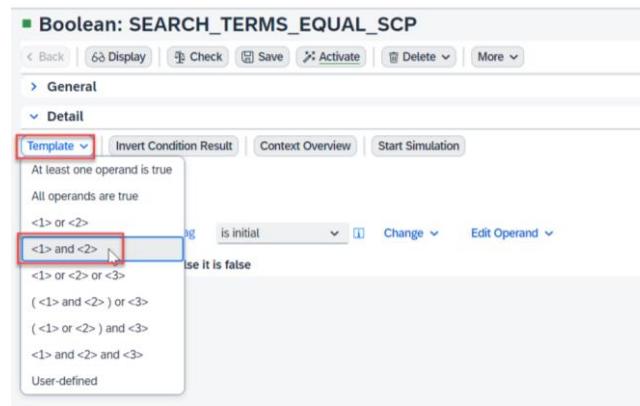
Step 2: Implement the validation rule with BRFplus

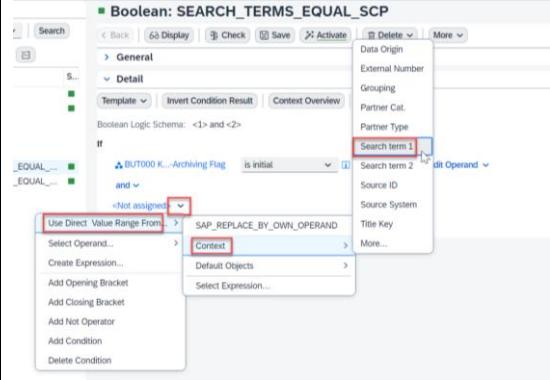
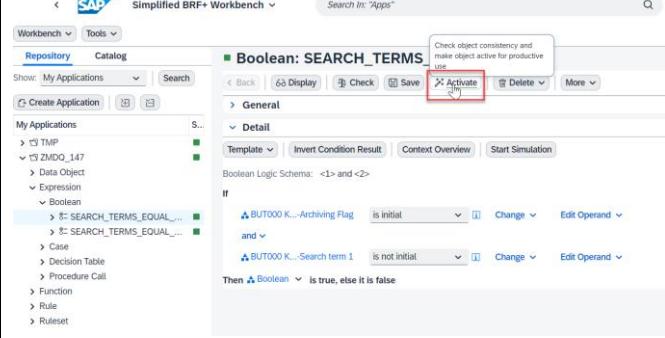
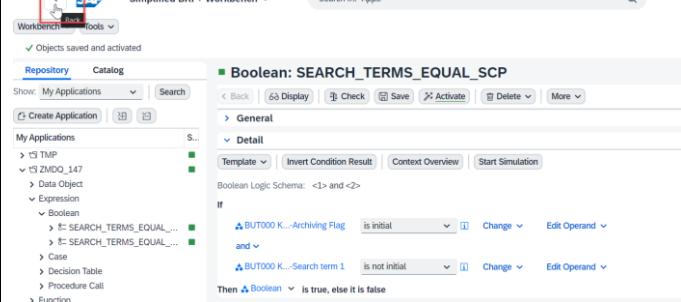
For complex rules it might be required to involve an expert for rule implementation. For this simple rule, you also assume this role and continue by implementing the expressions in BRFplus.

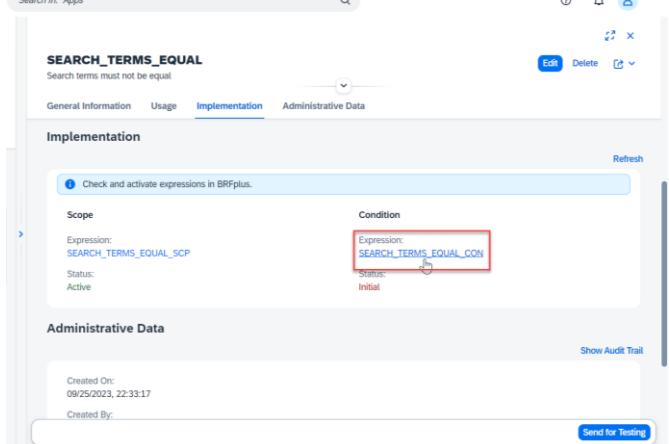
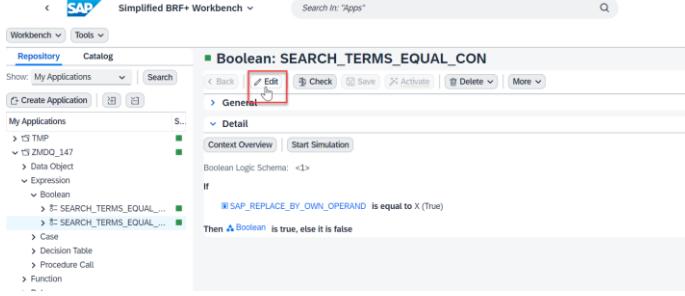
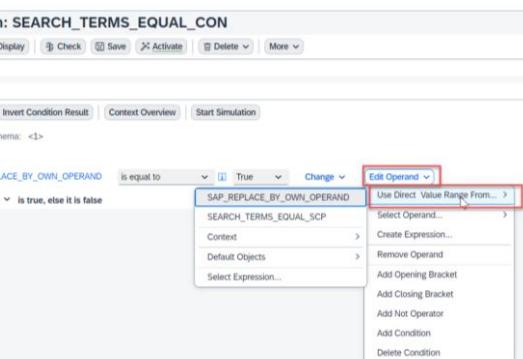
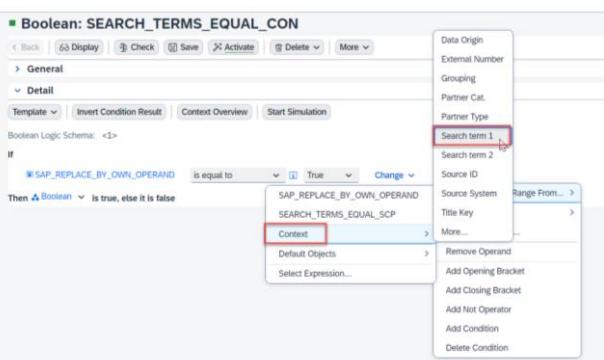
Explanation	Screenshot
<p>1. Since you sent the rule for implementation, the status was changed accordingly.</p> <p>Open the tab Usage.</p>	 <p>The screenshot shows the SAP Validation Rules interface for Business Partners. A validation rule named 'SEARCH_TERMS_EQUAL' is displayed. The 'Usage' tab is highlighted with a red box. The status of the rule is 'To Be Implemented'. The 'Implementation' tab is shown below, indicating that preparation is required.</p>
<p>2. You can see that the status of the expressions in the section <i>Implementation</i> is <i>Not Available</i>.</p> <p>Click on Prepare for the first usage.</p>	 <p>The screenshot shows the 'Usage' section of the validation rule. It lists two usages: 'Data Quality Evaluation' and 'Check in Central Governance', both marked as 'Not Ready'. The 'Prepare' button is highlighted with a red box.</p>
<p>3. Confirm that the <i>Base Table</i> is <i>General (BUT000)</i>, then click on Prepare Usage.</p>	 <p>The screenshot shows the 'Prepare Usage' dialog box. The base table is set to 'General (BUT000)'. The 'Prepare Usage' button is highlighted with a red box.</p>

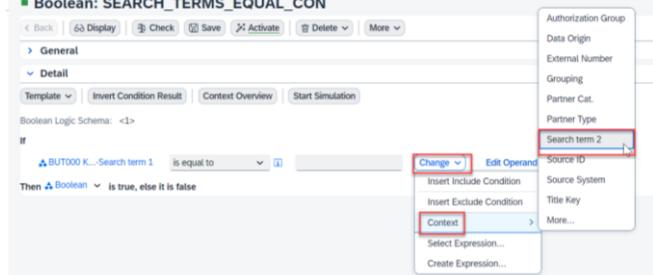
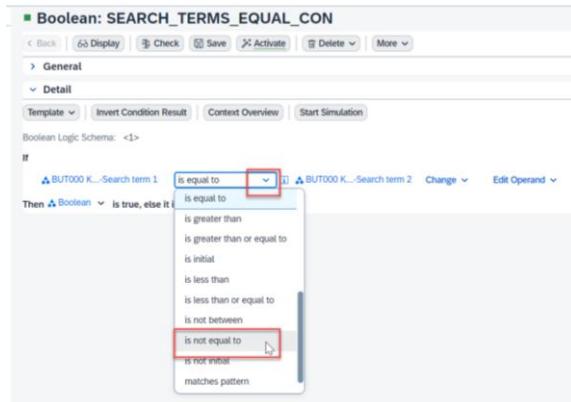
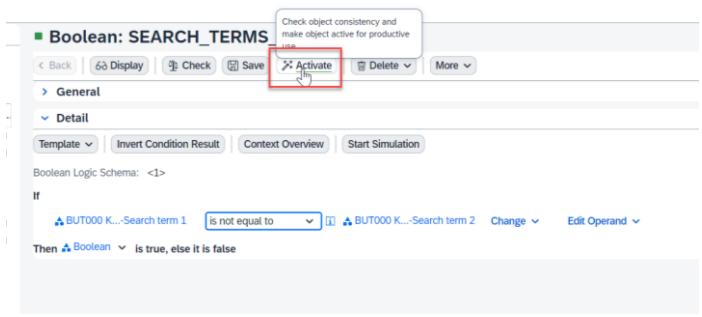
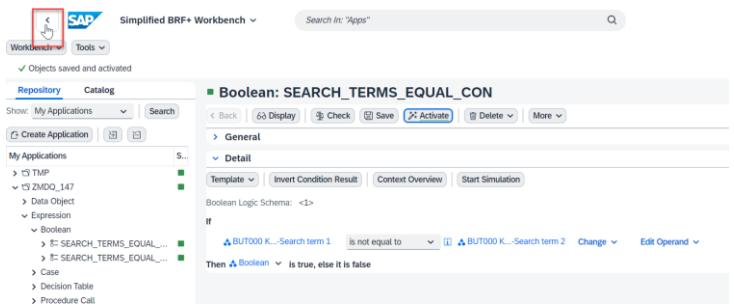
Explanation	Screenshot
<p>4. Now, you can see that expressions are available in the section Implementation. Click on Prepare for the second usage.</p>	
<p>5. To proceed with the implementation, go to section Implementation. Click on the scope expression SEARCH_TERMS_EQUAL_SCP to open the expression in the BRFplus workbench.</p>	
<p>6. Click on Edit to modify the default implementation.</p>	

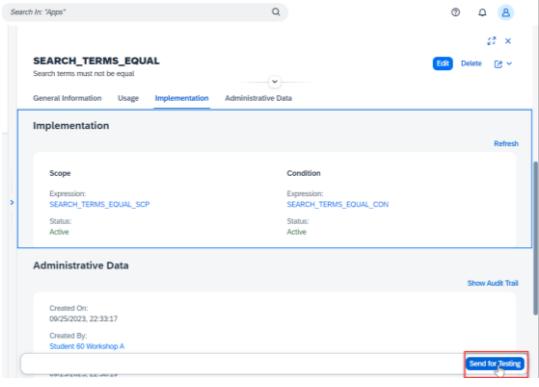
Explanation	Screenshot
<p>7. First, you replace the default left-hand operand with the Archiving Flag.</p> <p>Click on Edit Operand...</p>	 <p>The screenshot shows the BRF+ Workbench interface with the 'Detail' tab selected. A context menu is open over the 'Edit Operand' button, which is highlighted with a red box. The menu options include 'General', 'Detail', 'Template', 'Invert Condition Result', 'Context Overview', and 'Start Simulation'. Below the tabs, it says 'Boolean Logic Schema: <1>'. Under the 'If' section, there is a condition: 'SAP_REPLACE_BY_OWN_OPERAND is equal to True'. The 'Edit Operand' button is located to the right of the 'True' dropdown. The context menu for 'Edit Operand' contains options like 'Select Operand...', 'Create Expression...', 'Remove Operand', etc.</p>
<p>8. ...then on Use Direct Value Range From...</p>	 <p>The screenshot shows the BRF+ Workbench interface with the 'Detail' tab selected. A context menu is open over the 'Edit Operand' button, which is highlighted with a red box. The menu option 'Use Direct Value Range From...' is highlighted with a blue box. Other options in the menu include 'Select Operand...', 'Create Expression...', 'Remove Operand', etc.</p>
<p>9. ...after that on Context, and finally on More....</p>	 <p>The screenshot shows the BRF+ Workbench interface with the 'Detail' tab selected. A context menu is open over the 'Edit Operand' button, which is highlighted with a red box. The menu option 'More...' is highlighted with a blue box. Other options in the menu include 'Select Operand...', 'Create Expression...', 'Remove Operand', etc.</p>

Explanation	Screenshot
<p>10. To find the field Archiving Flag, enter *Archiv* for the Text search criterion and hit enter to perform a search.</p> <p>Then select Archiving Flag and press OK.</p>	
<p>11. The operator on the left has changed to <i>Archiving Flag</i>.</p> <p>Since you only want to include business partners that are not flagged for archiving, select is initial as the operator.</p>	
<p>12. You also want to include only business partners with a non-initial value for search term 1. You need to add a second condition.</p> <p>Click on Template and then choose <1> and <2>.</p>	

Explanation	Screenshot
<p>13. To use the field Search Term 1 as the left-hand operand, click on the value help of <Not assigned>, then choose Use Direct Value Range From ... → Context → Search term 1.</p>	
<p>14. The left-hand operator has changed. Now you need to change the operator to is not initial.</p>	
<p>15. This expression is only true if the business partner is not flagged for archiving and the field Search term 1 is not initial. In this case a business partner is in the scope of the rule and the condition expression will be evaluated. If the scope expression returns false, the business partner is ignored for this rule.</p> <p>Click on Activate to check, save and activate the expression.</p>	
<p>16. Click on Back to return to the Validation Rules app.</p>	

Explanation	Screenshot
<p>17. You see that the status of the scope expression changed to Active.</p> <p>Now, click on the condition expression SEARCH_TERMS_EQUAL_CON to start its implementation.</p>	
<p>18. Click on Edit.</p>	
<p>19. First you need to change the left-hand operand to <i>Search term 1</i>.</p> <p>Choose Edit Operand → Use direct value range from...</p>	
<p>20. ... Context -> Search term 1</p>	

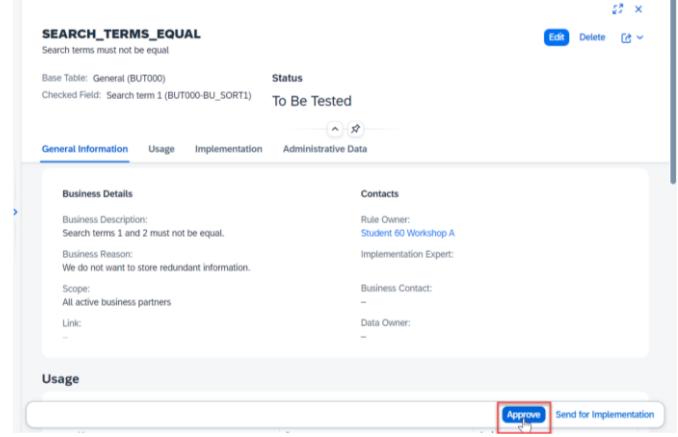
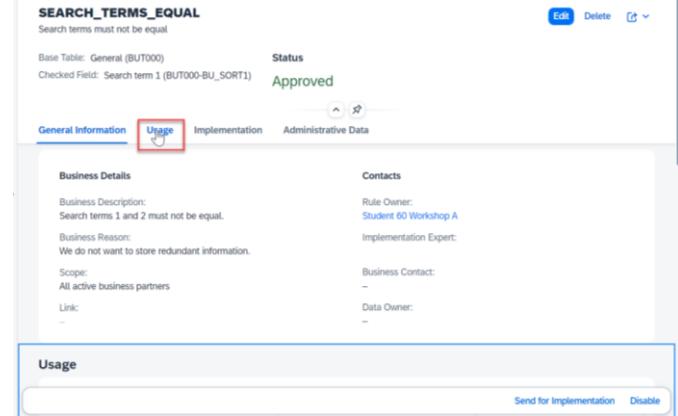
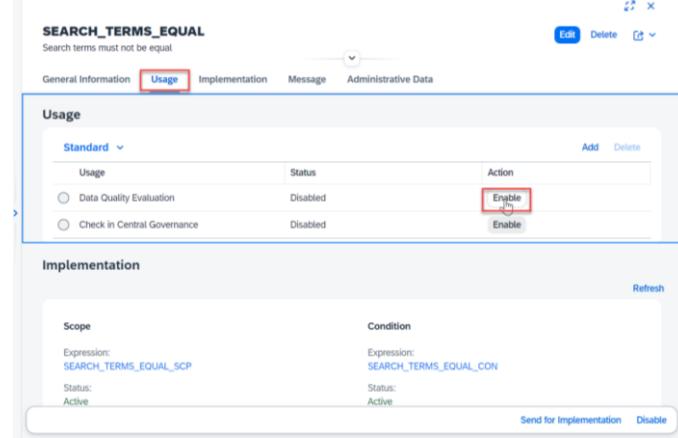
Explanation	Screenshot
<p>21. Then you want to use <i>Search term 2</i> as the right-hand operand.</p> <p>Choose Change → Context → Search term 2.</p>	 <p>The screenshot shows the SAP Fiori interface for a Boolean search rule. In the 'Detail' view, there is an 'If' condition: 'BUT000 K...-Search term 1 is equal to BUT000 K...-Search term 2'. A context menu is open over the second operand ('BUT000 K...-Search term 2'). The menu items include 'Change', 'Edit Operand', 'Insert Include Condition', 'Insert Exclude Condition', and 'Context'. The 'Context' option is highlighted with a red box.</p>
<p>22. The expression must evaluate to false for erroneous data.</p> <p>Choose is not equal to as the operator.</p> <p>Now, if both values are the same, the expression returns false. Only if the values are different the expression returns true to indicate successful validation.</p>	 <p>The screenshot shows the SAP Fiori interface for a Boolean search rule. In the 'Detail' view, there is an 'If' condition: 'BUT000 K...-Search term 1 is equal to BUT000 K...-Search term 2'. The dropdown menu for the operator is open, showing options like 'is equal to', 'is greater than', 'is greater than or equal to', 'is initial', 'is less than', 'is less than or equal to', 'is not between', 'is not equal to', 'is not initial', and 'matches pattern'. The 'is not equal to' option is highlighted with a red box.</p>
<p>23. Again, click on Activate.</p>	 <p>The screenshot shows the SAP Fiori interface for a Boolean search rule. In the top navigation bar, the 'Activate' button is highlighted with a red box. A tooltip above the button says 'Check object consistency and make object active for productive'.</p>
<p>24. And on Back to return to the Validation Rules app.</p>	 <p>The screenshot shows the SAP Fiori interface for the 'Validation Rules' application. On the left, the 'Repository' sidebar shows 'My Applications' with several entries. On the right, the main area displays the details of a Boolean search rule named 'SEARCH_TERMS_EQUAL_CON'. The rule has an 'If' condition: 'BUT000 K...-Search term 1 is not equal to BUT000 K...-Search term 2'. The 'Activate' button in the top bar is also highlighted with a red box.</p>

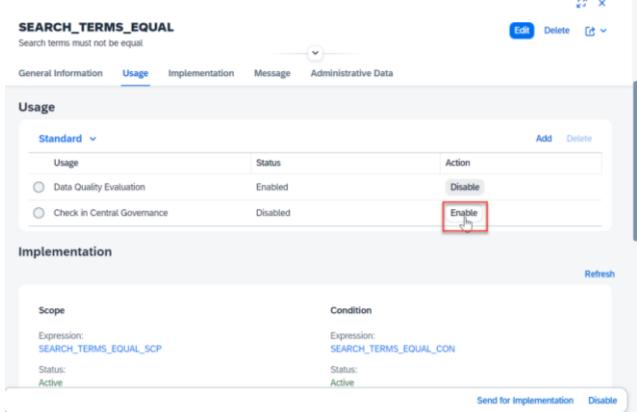
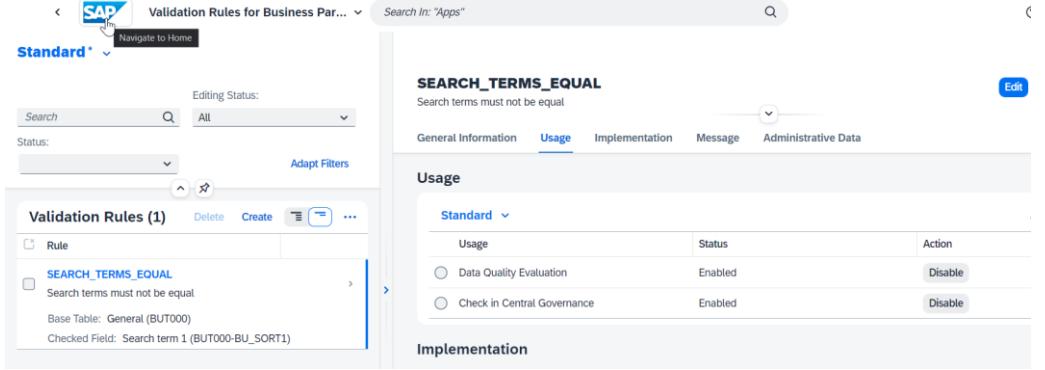
Explanation	Screenshot
<p>25. You are done with the implementation of the rule.</p> <p>Click on Send for Testing.</p>	



Step 3: Approve the validation rule for usage

You act again as the rule owner with the task to confirm the correct implementation of the rule and approve the rule for usage in the enabled usages.

Explanation	Screenshot
<p>1. Acting again as the owner of the rule, you could now verify the implementation. For this exercise we shorten this process.</p> <p>Click on Approve.</p>	
<p>2. Once the rule is approved, you can enable each usage individually.</p> <p>Navigate to the section Usage.</p>	
<p>3. Click on Enable for the first usage.</p>	

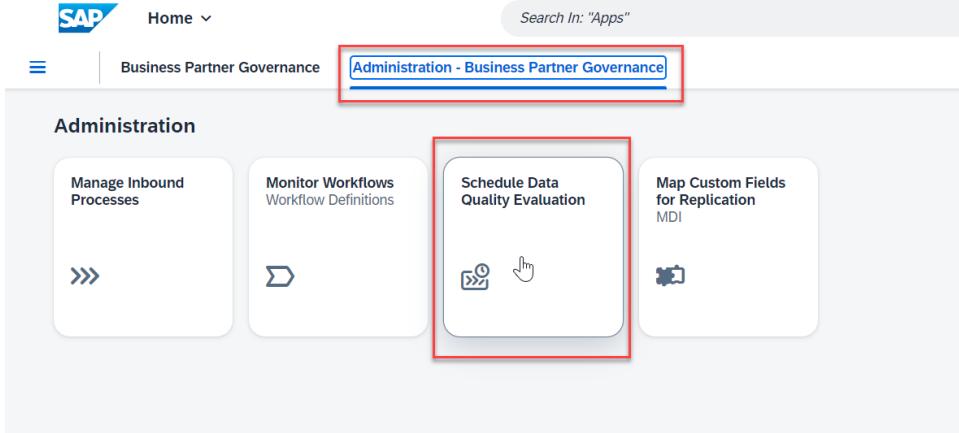
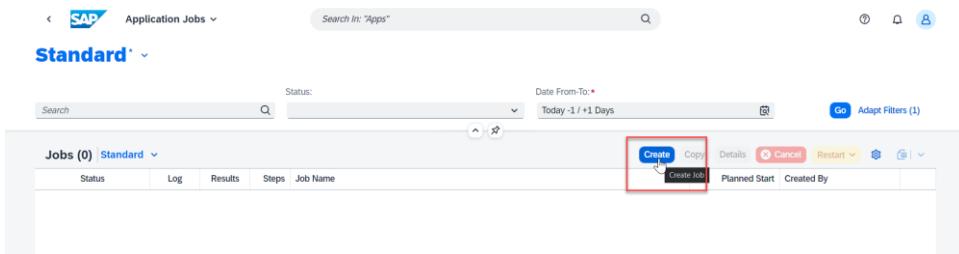
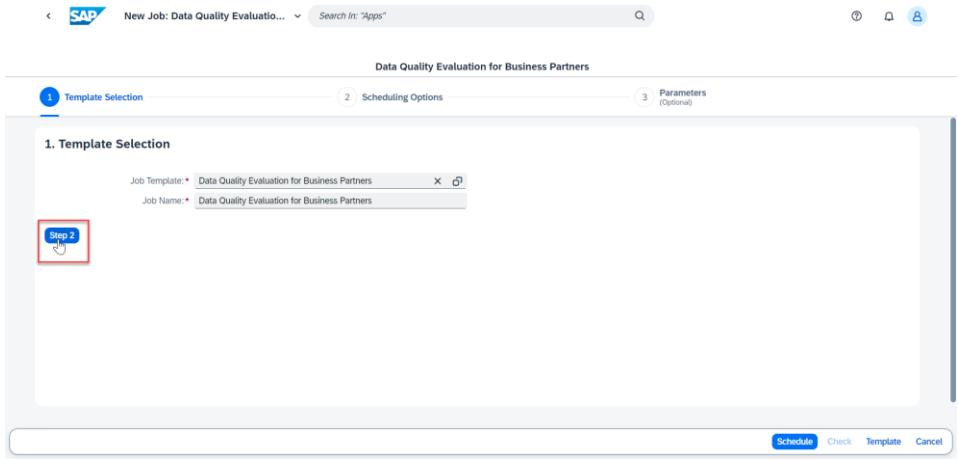
Explanation	Screenshot
<p>4. Also click on Enable for the second usage.</p>	
<p>5. You are done with the definition, implementation, and approval of the validation rule. You can now use the rule, for example for data quality evaluation.</p> <p>Click on the SAP logo to return to the home page.</p>	

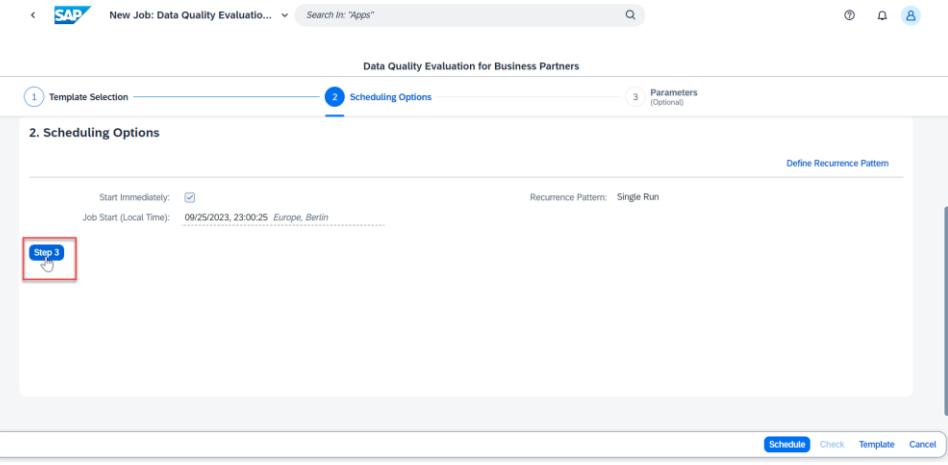
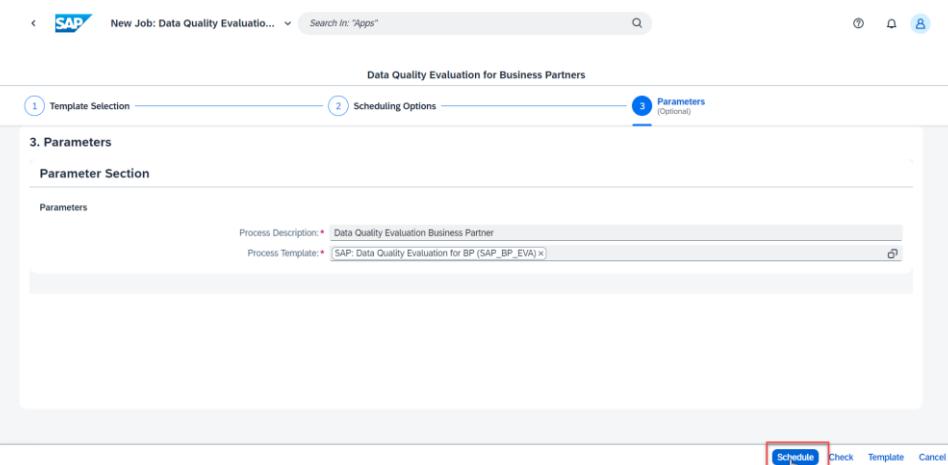
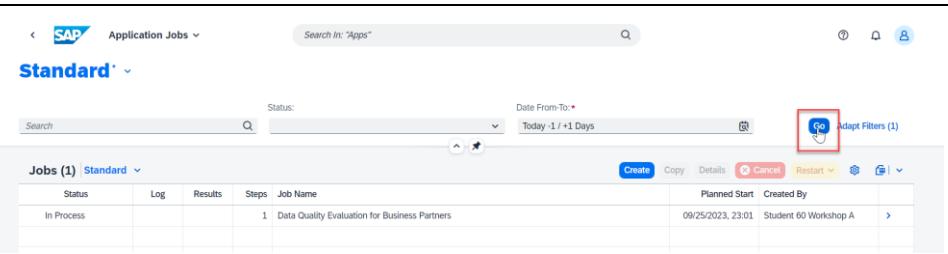
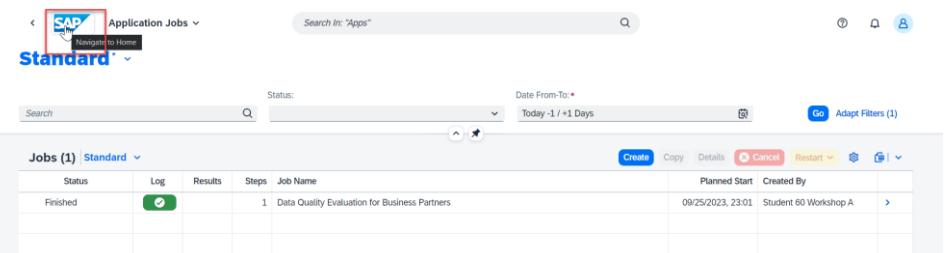


Step 4: Perform a data quality evaluation and analyze the results.

Evaluate the data quality of the business partners in your tenant by scheduling a job for a single and immediate execution.



Explanation	Screenshot
<p>1. Go to the page Administration – Business Partner Governance. Then launch the app Schedule Data Quality Evaluation.</p>	 <p>The screenshot shows the SAP Home interface. The top navigation bar has a SAP logo and a "Home" dropdown. Below it, a breadcrumb trail says "Business Partner Governance". A blue rectangular box highlights the "Administration - Business Partner Governance" link in the navigation menu. The main content area is titled "Administration" and contains four cards: "Manage Inbound Processes", "Monitor Workflows Workflow Definitions", "Schedule Data Quality Evaluation" (which is highlighted with a red box), and "Map Custom Fields for Replication MDI".</p>
<p>2. Click on Create.</p>	 <p>The screenshot shows the "Application Jobs" screen. The top navigation bar has a SAP logo and a "Search In: Apps" field. Below it, a breadcrumb trail says "Standard". The main content area is titled "Jobs (0) Standard". On the right side, there is a toolbar with buttons for "Create", "Copy", "Details", "Cancel", "Restart", and "Go". The "Create" button is highlighted with a red box.</p>
<p>3. Accept the defaults and click on Step 2.</p>	 <p>The screenshot shows the "Data Quality Evaluation for Business Partners" configuration screen. It is divided into three steps: 1. Template Selection, 2. Scheduling Options, and 3. Parameters (Optional). Step 1 is active and titled "1. Template Selection". It shows fields for "Job Template" (set to "Data Quality Evaluation for Business Partners") and "Job Name" (also set to "Data Quality Evaluation for Business Partners"). A blue rectangular box highlights the "Step 2" button at the bottom left of the step panel. At the bottom right, there are buttons for "Schedule", "Check", "Template", and "Cancel".</p>

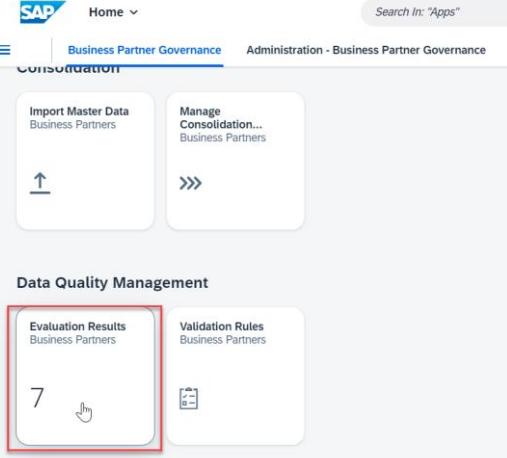
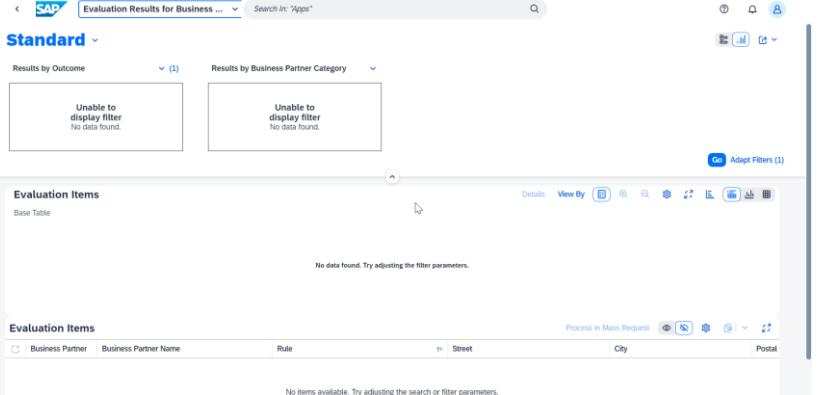
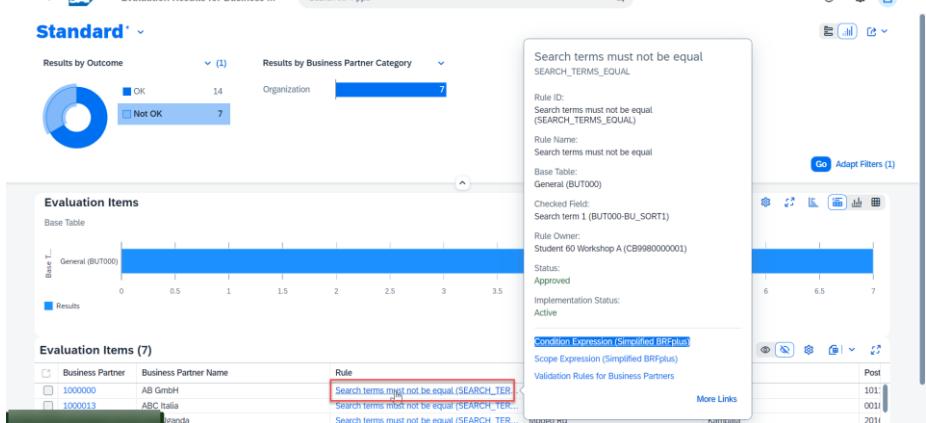
Explanation	Screenshot
<p>4. We only want to run the evaluation once and do not use the possibility to schedule recurring evaluations.</p> <p>Accept the defaults and go to Step 3.</p>	
<p>5. Again, accept the defaults and click on Schedule.</p>	
<p>6. The job is scheduled or already in process as shown on the screenshot. You can click on Go to update the status.</p>	
<p>7. Click on the SAP Logo to return to the home page.</p>	

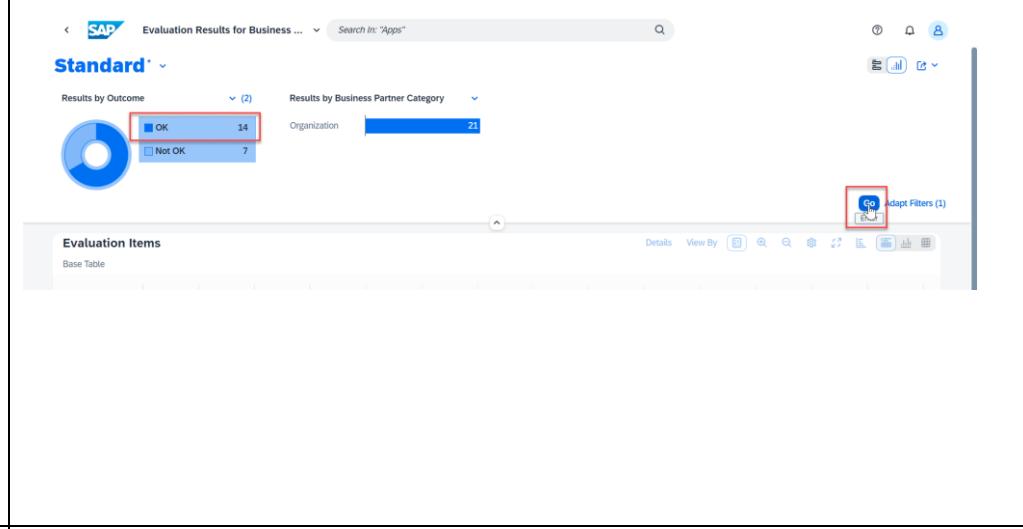
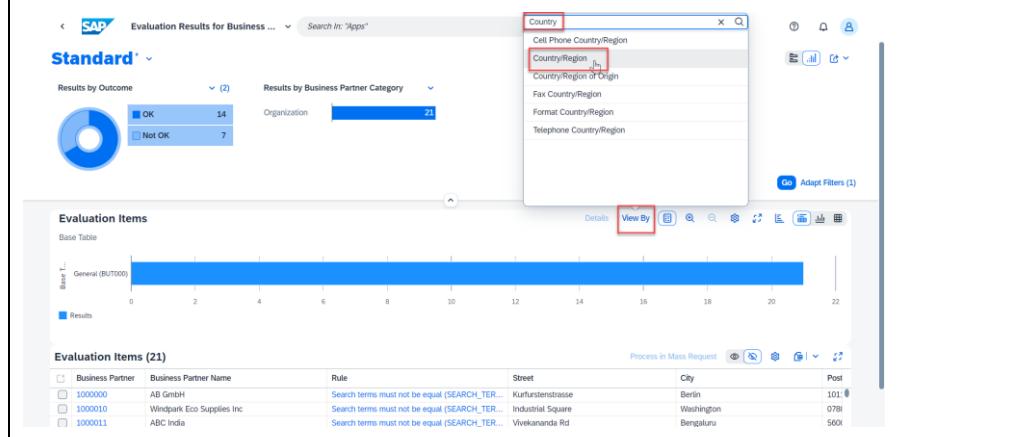
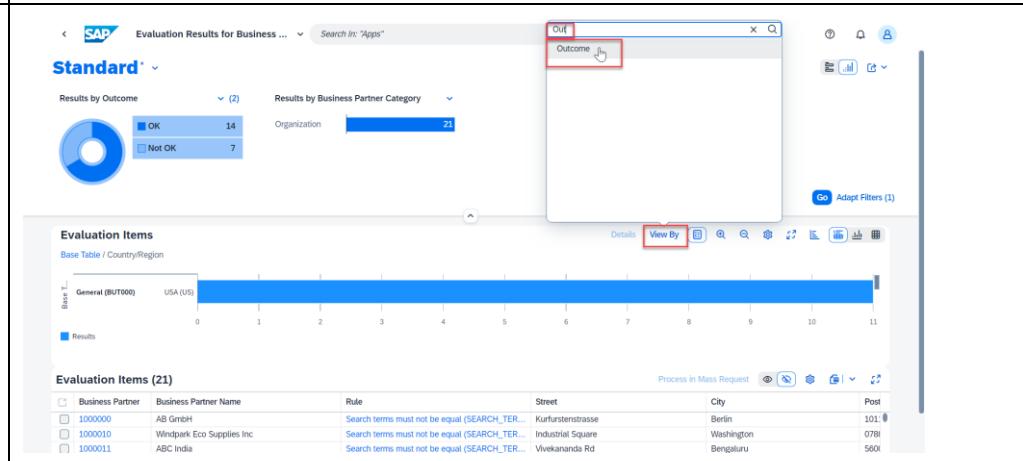


Step 5: Compare data quality by country

Now, with the evaluation results available, compare data quality per country of the business partner.



Explanation	Screenshot
<p>1. Typically, the evaluation is already done and the tile Evaluation Results already displays the number of errors found. However, it might also be the case that it still displays 0.</p> <p>In either case, click on Evaluation Results.</p>	
<p>2. If the evaluation is not yet done, the app displays <i>No data found</i>.</p> <p>In this case wait a few seconds, then refresh the browser.</p>	
<p>3. Once the evaluation is done, there should be 7 results with the outcome <i>Not OK</i> and 14 results with the outcome <i>OK</i>. You can see this on the visual filter <i>Results by Outcome</i>.</p> <p>Click on the rule Search terms must not be equal to display an info box with useful information to understand the issue.</p>	

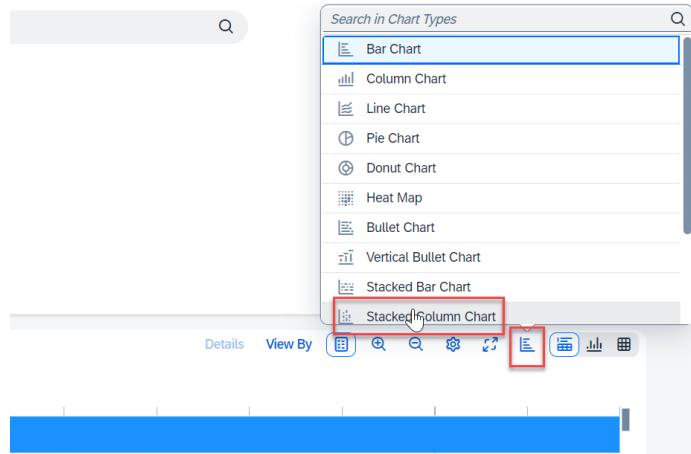
Explanation	Screenshot
<p>4. Since you want to analyze the results not only including bad data, but also good data click on OK in the visual filter bar to include these results as well.</p> <p>Note that the number of results for business partner category Organization changes to 21.</p> <p>Then click on Go to update the lower parts of the app.</p>	
<p>5. First you want to break down the number of results by Country.</p> <p>Click on View By.</p> <p>Then enter Country in the search field.</p> <p>Finally, select Country/Region.</p>	
<p>6. As a second breakdown, you want to use the Outcome (OK versus Not OK).</p> <p>Click on View By.</p> <p>Then enter Out in the search field.</p> <p>Finally, select Outcome.</p>	

Explanation

7. The default chart type is not useful for your type of analysis.

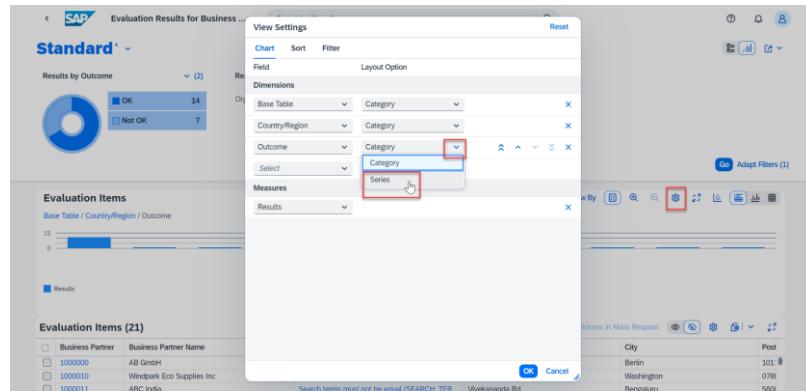
Click on **Selected Chart Type**, then on **Stacked Column Chart**.

Screenshot

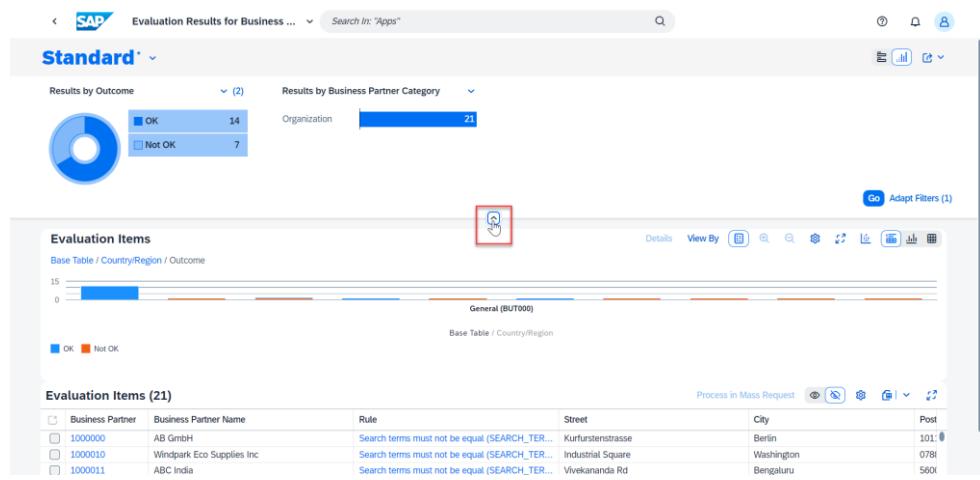


8. To further adapt the chart, click on **Settings** (the gears icon) and change the layout option for **Outcome** to **Series**.

Click on **OK**.



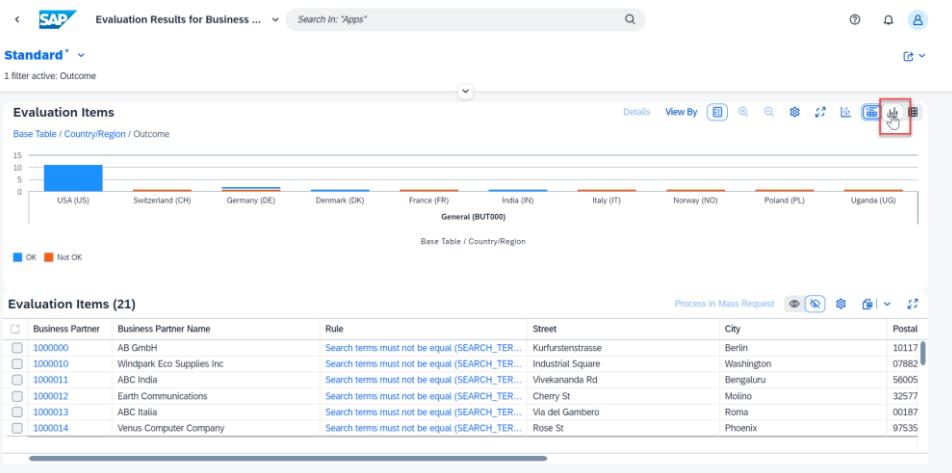
9. Collapse the visual filter bar to give the chart more space.



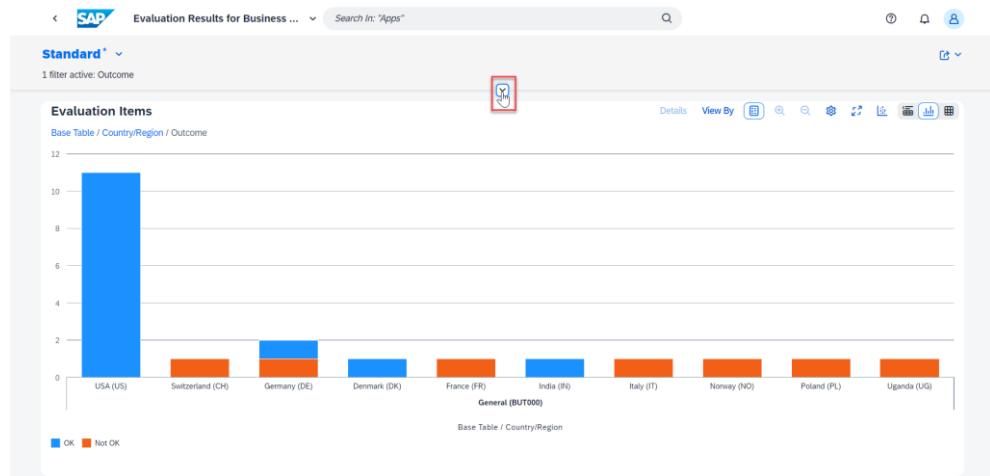
Explanation

10. Change the display mode to **Chart View** to get even more space.

Screenshot



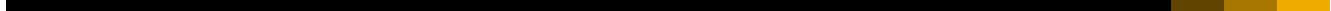
11. You can now compare the number of business partners with erroneous data and with good data by the country of the business partner.



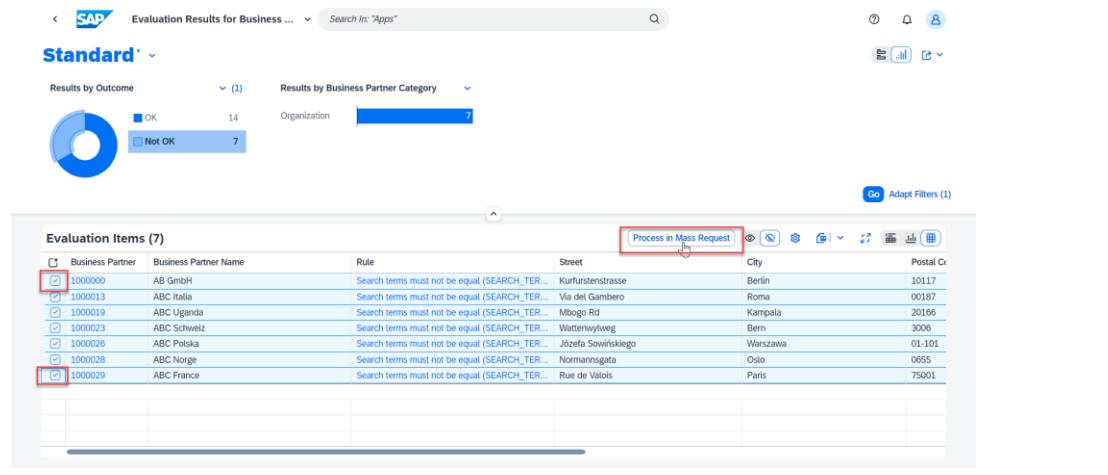
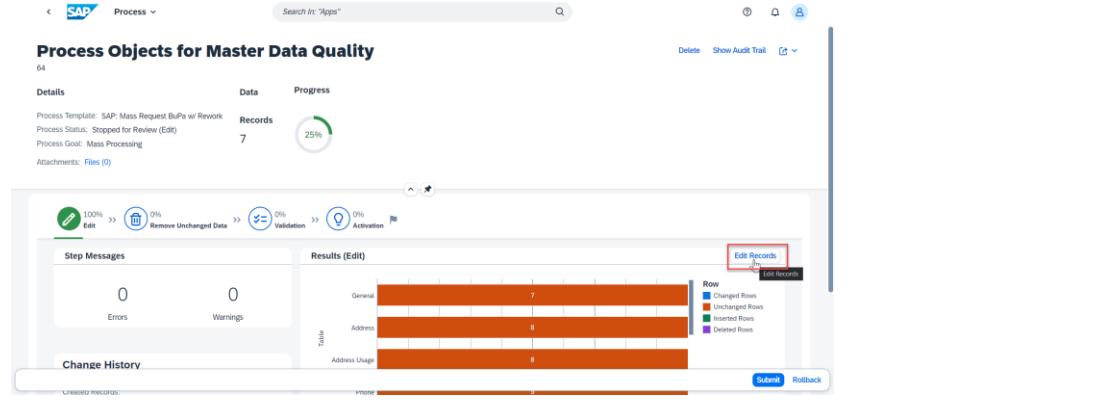


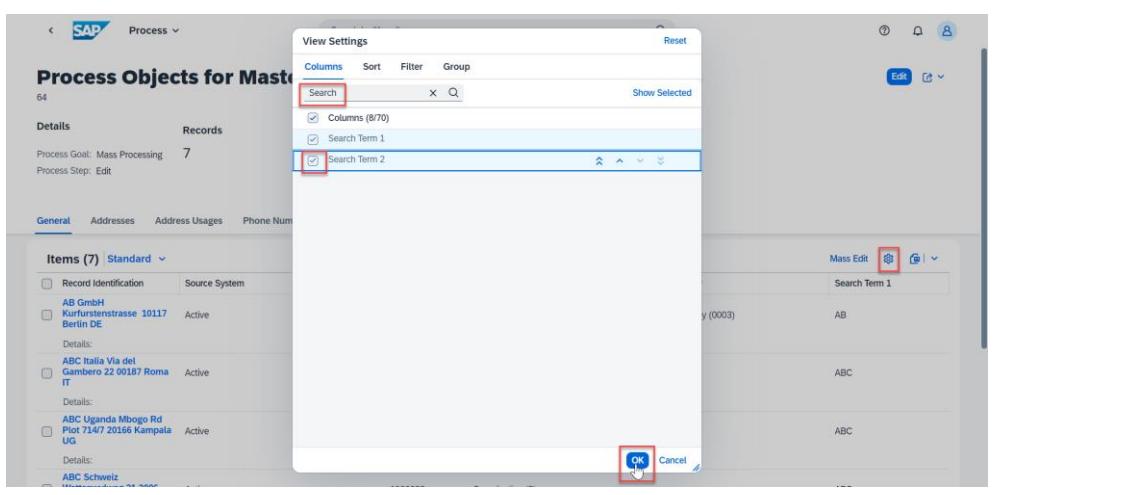
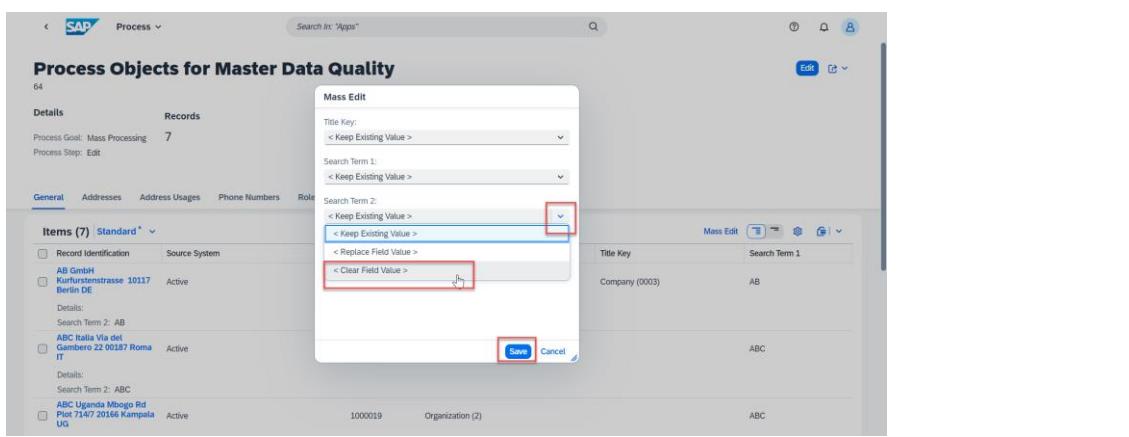
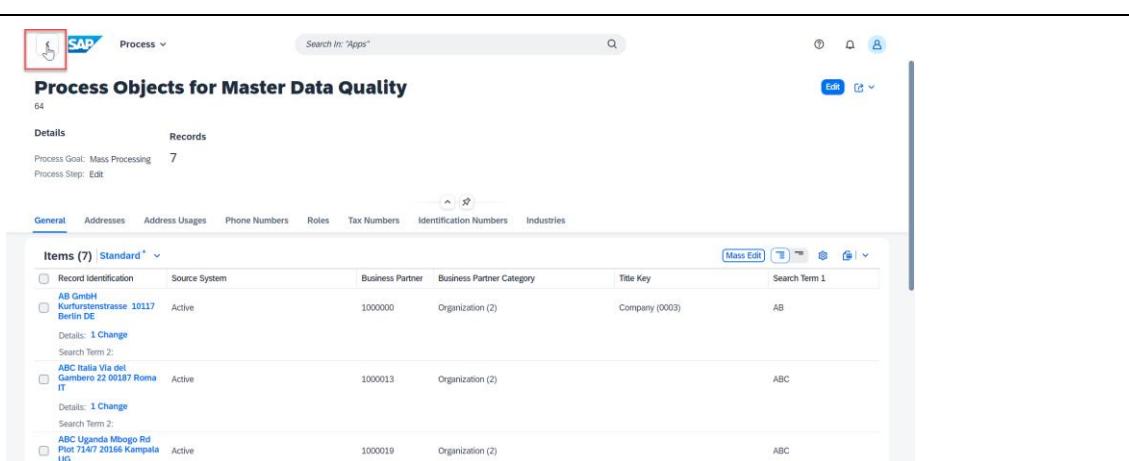
Step 6: Correct the erroneous business partners

Change the filters to display only business partners with errors. Then use mass processing to fix the issues.

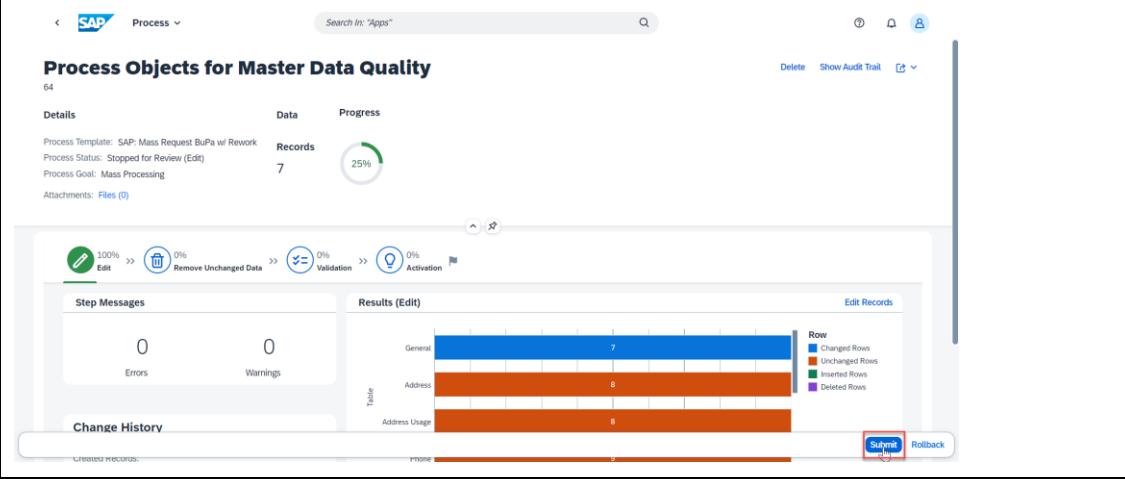
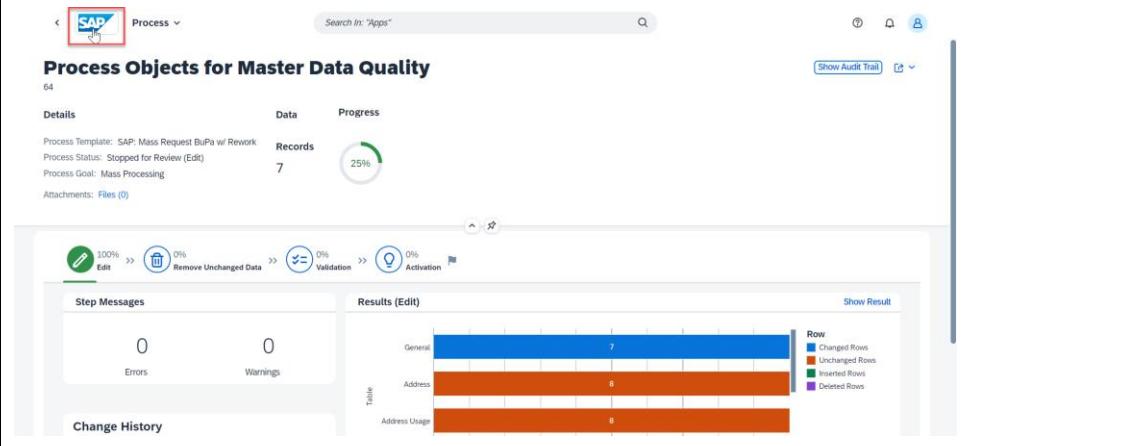


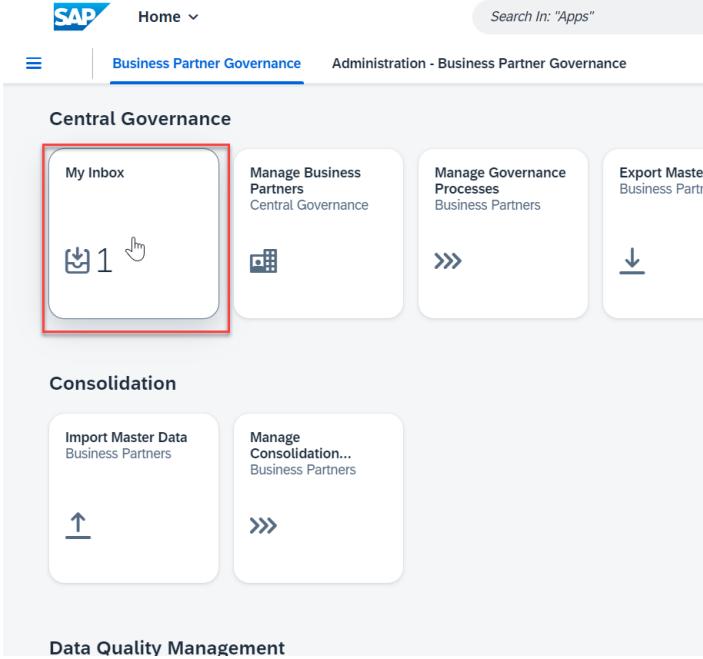
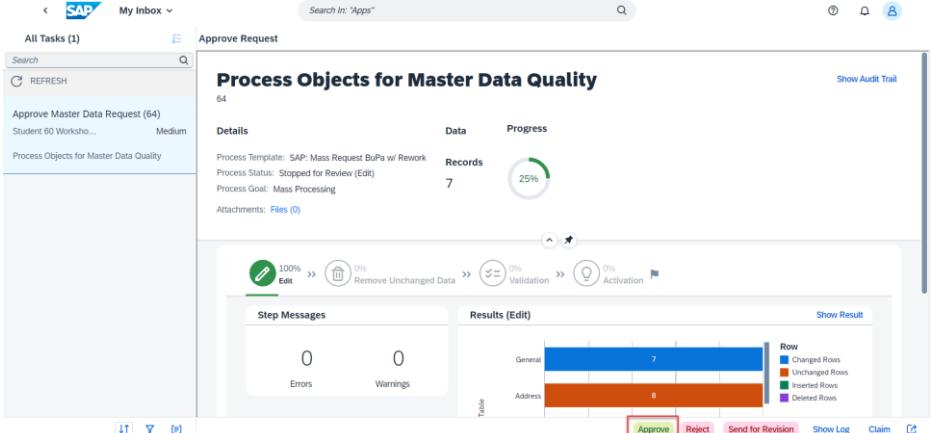
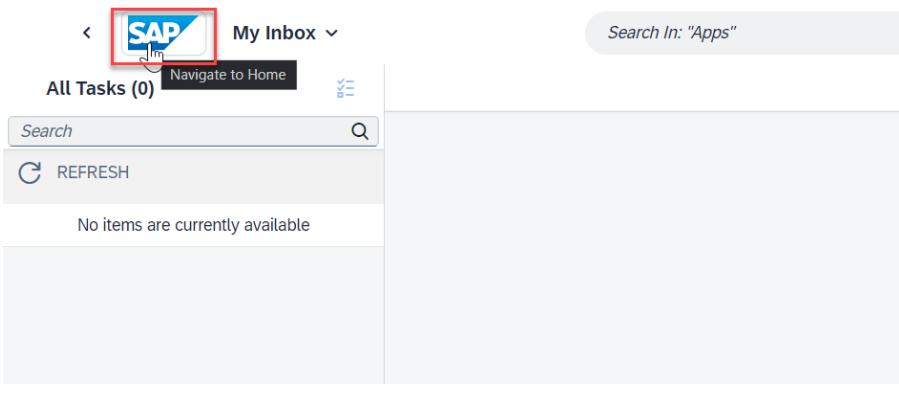
Explanation	Screenshot																																	
1. Expand the visual filter bar again.	<p>Evaluation Items Base Table / Country/Region / Outcome</p> <table border="1"><thead><tr><th>Country/Region</th><th>OK</th><th>Not OK</th></tr></thead><tbody><tr><td>USA (US)</td><td>11</td><td>1</td></tr><tr><td>Switzerland (CH)</td><td>1</td><td>1</td></tr><tr><td>Germany (DE)</td><td>1</td><td>1</td></tr><tr><td>Denmark (DK)</td><td>1</td><td>0</td></tr><tr><td>France (FR)</td><td>1</td><td>0</td></tr><tr><td>India (IN)</td><td>1</td><td>0</td></tr><tr><td>Italy (IT)</td><td>1</td><td>0</td></tr><tr><td>Norway (NO)</td><td>1</td><td>0</td></tr><tr><td>Poland (PL)</td><td>1</td><td>0</td></tr><tr><td>Uganda (UG)</td><td>1</td><td>0</td></tr></tbody></table>	Country/Region	OK	Not OK	USA (US)	11	1	Switzerland (CH)	1	1	Germany (DE)	1	1	Denmark (DK)	1	0	France (FR)	1	0	India (IN)	1	0	Italy (IT)	1	0	Norway (NO)	1	0	Poland (PL)	1	0	Uganda (UG)	1	0
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2. Click on OK to deselect the results with outcome OK. Then, click on OK to update the application.	<p>Results by Outcome (1) OK 14 Not OK 7</p> <p>Evaluation Items Base Table / Country/Region / Outcome</p> <table border="1"><thead><tr><th>Country/Region</th><th>OK</th><th>Not OK</th></tr></thead><tbody><tr><td>USA (US)</td><td>11</td><td>0</td></tr><tr><td>Switzerland (CH)</td><td>1</td><td>0</td></tr><tr><td>Germany (DE)</td><td>1</td><td>0</td></tr><tr><td>Denmark (DK)</td><td>1</td><td>0</td></tr><tr><td>France (FR)</td><td>1</td><td>0</td></tr><tr><td>India (IN)</td><td>1</td><td>0</td></tr><tr><td>Italy (IT)</td><td>1</td><td>0</td></tr><tr><td>Norway (NO)</td><td>1</td><td>0</td></tr><tr><td>Poland (PL)</td><td>1</td><td>0</td></tr><tr><td>Uganda (UG)</td><td>1</td><td>0</td></tr></tbody></table>	Country/Region	OK	Not OK	USA (US)	11	0	Switzerland (CH)	1	0	Germany (DE)	1	0	Denmark (DK)	1	0	France (FR)	1	0	India (IN)	1	0	Italy (IT)	1	0	Norway (NO)	1	0	Poland (PL)	1	0	Uganda (UG)	1	0
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3. You can see each of the countries with 1 erroneous result. Switch the mode to Table View .	<p>Adapt Filters (1)</p> <p>Evaluation Items Base Table / Country/Region / Outcome</p> <table border="1"><thead><tr><th>Country/Region</th><th>OK</th><th>Not OK</th></tr></thead><tbody><tr><td>Switzerland (CH)</td><td>1</td><td>1</td></tr><tr><td>Germany (DE)</td><td>1</td><td>1</td></tr><tr><td>France (FR)</td><td>1</td><td>1</td></tr><tr><td>Italy (IT)</td><td>1</td><td>1</td></tr><tr><td>Norway (NO)</td><td>1</td><td>1</td></tr><tr><td>Poland (PL)</td><td>1</td><td>1</td></tr><tr><td>Uganda (UG)</td><td>1</td><td>1</td></tr></tbody></table>	Country/Region	OK	Not OK	Switzerland (CH)	1	1	Germany (DE)	1	1	France (FR)	1	1	Italy (IT)	1	1	Norway (NO)	1	1	Poland (PL)	1	1	Uganda (UG)	1	1									
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Explanation	Screenshot																																																								
<p>4. To select every business partner with an error, click on the check box of the first row.</p> <p>Then hold the SHIFT key and click on the check box of the last row.</p> <p>Finally, click on Process in Mass Request.</p>	 <p>The screenshot shows the SAP Evaluation Results for Business Partner Category screen. It displays a pie chart indicating 14 OK records and 7 Not OK records. A table below lists 7 evaluation items, each with a checkbox. The first and last checkboxes are selected, highlighted with red boxes. A button labeled "Process in Mass Request" is highlighted with a red box at the top right of the table area.</p> <table border="1"> <thead> <tr> <th>Evaluation Item</th> <th>Business Partner</th> <th>Business Partner Name</th> <th>Rule</th> <th>Street</th> <th>City</th> <th>Postal Cr</th> </tr> </thead> <tbody> <tr> <td>1000000</td> <td>ABC GmbH</td> <td>ABC GmbH</td> <td>Search terms must not be equal (SEARCH_TER...)</td> <td>Kurfürstenstrasse</td> <td>Berlin</td> <td>10117</td> </tr> <tr> <td>1000013</td> <td>ABC Italia</td> <td>ABC Italia</td> <td>Search terms must not be equal (SEARCH_TER...)</td> <td>Via del Gambero</td> <td>Roma</td> <td>00187</td> </tr> <tr> <td>1000019</td> <td>ABC Uganda</td> <td>ABC Uganda</td> <td>Search terms must not be equal (SEARCH_TER...)</td> <td>Mbogo Rd</td> <td>Kampala</td> <td>20166</td> </tr> <tr> <td>1000023</td> <td>ABC Schweiz</td> <td>ABC Schweiz</td> <td>Search terms must not be equal (SEARCH_TER...)</td> <td>Wattenwylweg</td> <td>Bern</td> <td>3006</td> </tr> <tr> <td>1000026</td> <td>ABC Polska</td> <td>ABC Polska</td> <td>Search terms must not be equal (SEARCH_TER...)</td> <td>Józefa Sowińskiego</td> <td>Warszawa</td> <td>01-101</td> </tr> <tr> <td>1000028</td> <td>ABC Norge</td> <td>ABC Norge</td> <td>Search terms must not be equal (SEARCH_TER...)</td> <td>Normannsgata</td> <td>Oslo</td> <td>0655</td> </tr> <tr> <td>1000029</td> <td>ABC France</td> <td>ABC France</td> <td>Search terms must not be equal (SEARCH_TER...)</td> <td>Rue de Valois</td> <td>Paris</td> <td>75001</td> </tr> </tbody> </table>	Evaluation Item	Business Partner	Business Partner Name	Rule	Street	City	Postal Cr	1000000	ABC GmbH	ABC GmbH	Search terms must not be equal (SEARCH_TER...)	Kurfürstenstrasse	Berlin	10117	1000013	ABC Italia	ABC Italia	Search terms must not be equal (SEARCH_TER...)	Via del Gambero	Roma	00187	1000019	ABC Uganda	ABC Uganda	Search terms must not be equal (SEARCH_TER...)	Mbogo Rd	Kampala	20166	1000023	ABC Schweiz	ABC Schweiz	Search terms must not be equal (SEARCH_TER...)	Wattenwylweg	Bern	3006	1000026	ABC Polska	ABC Polska	Search terms must not be equal (SEARCH_TER...)	Józefa Sowińskiego	Warszawa	01-101	1000028	ABC Norge	ABC Norge	Search terms must not be equal (SEARCH_TER...)	Normannsgata	Oslo	0655	1000029	ABC France	ABC France	Search terms must not be equal (SEARCH_TER...)	Rue de Valois	Paris	75001
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<p>5. A mass process with the selected business partners is created.</p> <p>Click on Edit Records.</p>	 <p>The screenshot shows the SAP Process Objects for Master Data Quality screen. It displays a progress bar at 25% completion. The main area shows a flowchart with steps: Edit (100%), Remove Unchanged Data (0%), Validation (0%), and Activation (0%). A button labeled "Edit Records" is highlighted with a red box. Below the flowchart, there are sections for Step Messages (Errors: 0, Warnings: 0) and Results (Edit). The Results section shows a table with three rows: General (7), Address (8), and Address Usage (9). A legend indicates the colors for the rows: blue for Changed Rows, green for Unchanged Rows, red for Deleted Rows, and purple for Inserted Rows. Buttons for "Submit" and "Rollback" are at the bottom right.</p>																																																								

Explanation	Screenshot
<p>6. To enable the field Search Term 2 for mass edit, open Settings. Enter Search in the search field. Select Search Term 2 and press OK.</p>	
<p>7. Click on Mass Edit and choose the option <Clear Field Value> for Search Term 2.</p>	
<p>8. Click on Back to return to the process.</p>	



Explanation	Screenshot
9. Click on Submit to submit your process.	
10. Click on the SAP Logo to return to the home page.	

Explanation	Screenshot
11. Open the app My Inbox .	 <p>The screenshot shows the SAP Business Partner Governance interface. In the 'Central Governance' section, there is a button labeled 'My Inbox' with a red box around it. Other buttons include 'Manage Business Partners', 'Manage Governance Processes', and 'Export Master Business Partners'. Below this is a 'Consolidation' section with 'Import Master Data' and 'Manage Consolidation...' buttons, and a 'Data Quality Management' section.</p>
12. Click on Approve to approve the request.	 <p>The screenshot shows the 'Approve Request' screen for 'Process Objects for Master Data Quality'. It displays process details like 'Process Template: SAP-Mass Request BuPa w/ Rework', 'Process Status: Stopped for Review (Edit)', and 'Process Goal: Mass Processing'. Below this is a progress bar at 25% and a results summary table. At the bottom right, the 'Approve' button is highlighted with a red box.</p>
13. Click on the SAP Logo to return to the home page.	 <p>The screenshot shows the 'My Inbox' screen. The SAP logo in the top left corner is highlighted with a red box. The interface shows 'All Tasks (0)' and a message 'No items are currently available'.</p>

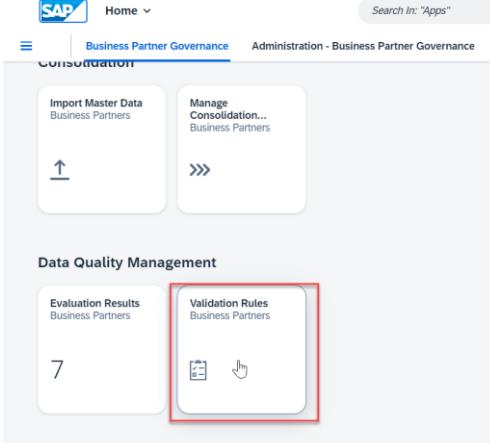
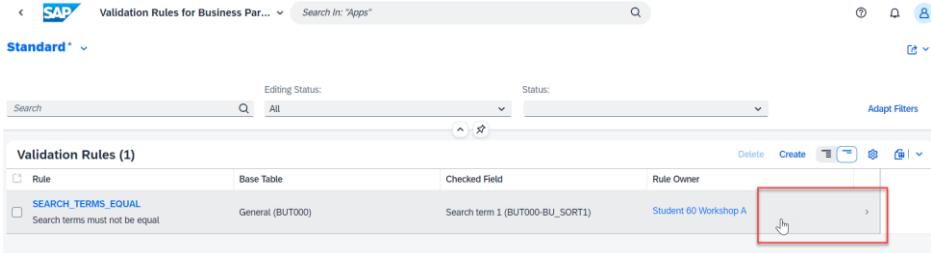
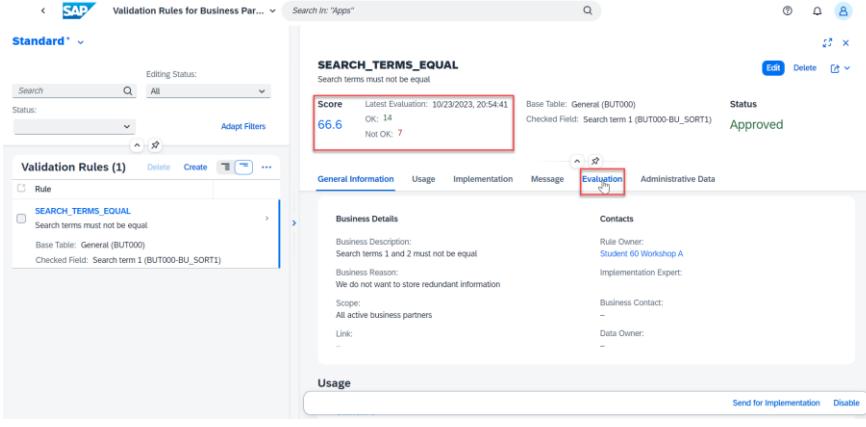




Step 7: Refresh the evaluation results

Evaluation results are also visible in the Validation Rules app. Check the current status and perform another data quality evaluation to see the changes.

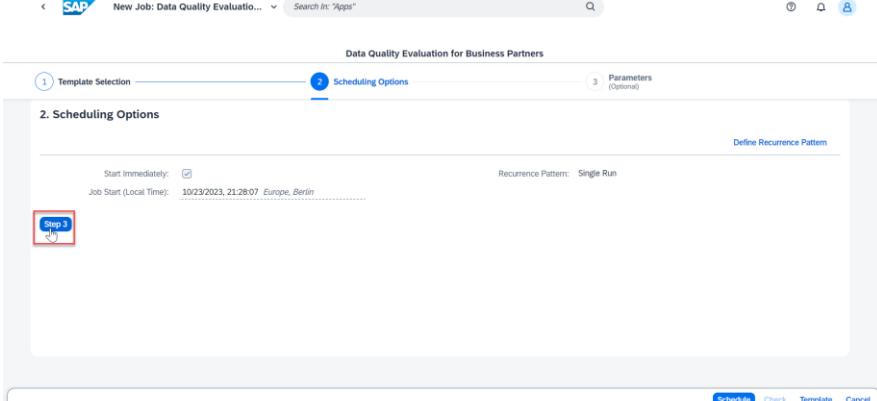
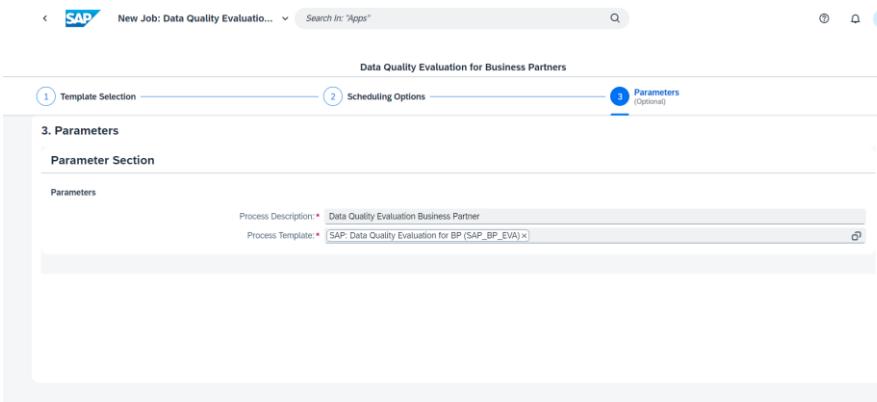
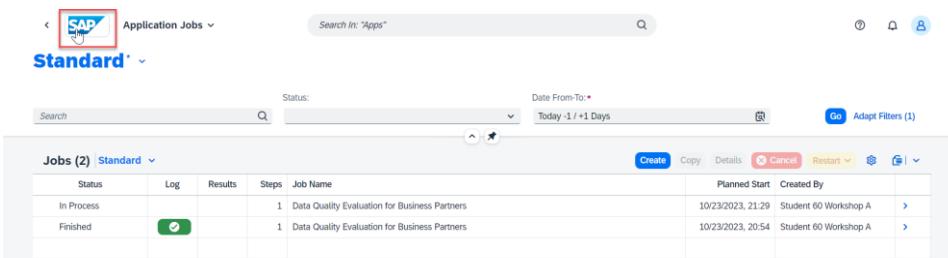


Explanation	Screenshot
1. Launch the app Validation Rules.	
2. Click on the rule to display the details.	
3. You can see the results of the latest data quality evaluative in the header: 14 results with OK 7 results with No OK Leading to a score of $7 / (7+14) = 66.6 (\%)$ Go to section Evaluation.	

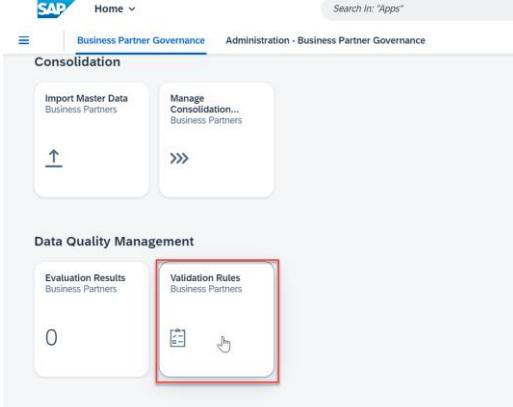
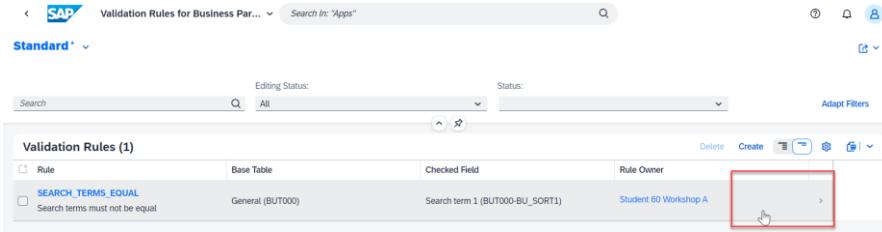
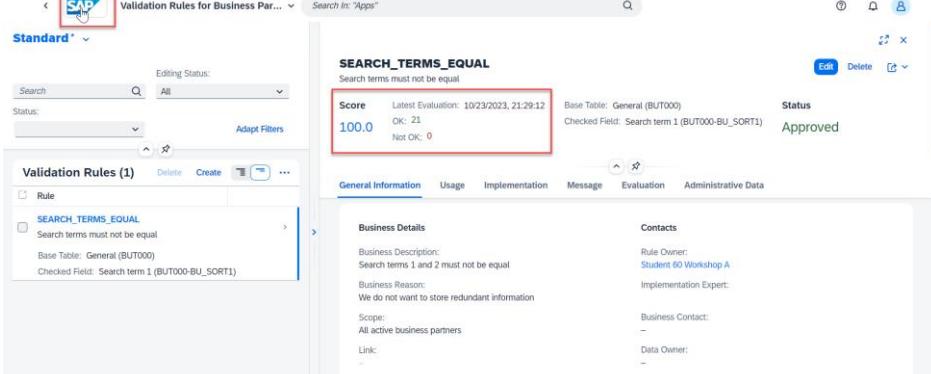


Explanation	Screenshot
<p>4. In this section you can also see how many rows are available in the base table of the rule, here one for each business partner in the tenant. Since the scope expression returned true for each of these business partners, you see the same number for the actually checked rows.</p> <p>Click on the SAP Logo to return to the home page.</p>	
<p>5. You want to update the results by running another data quality evaluation.</p> <p>Launch the app Schedule Data Quality Evaluation.</p>	
<p>6. Click on Create.</p>	
<p>7. Accept the defaults and click on Step 2.</p>	



Explanation	Screenshot
8. Accept the defaults and click on Step 3 .	
9. Again, accept the defaults and click on Schedule .	
10. Click on the SAP Logo to return to the home page.	



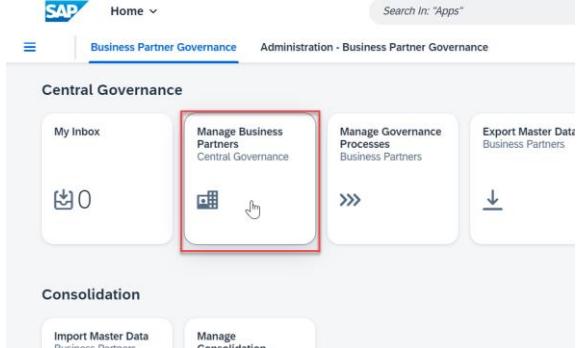
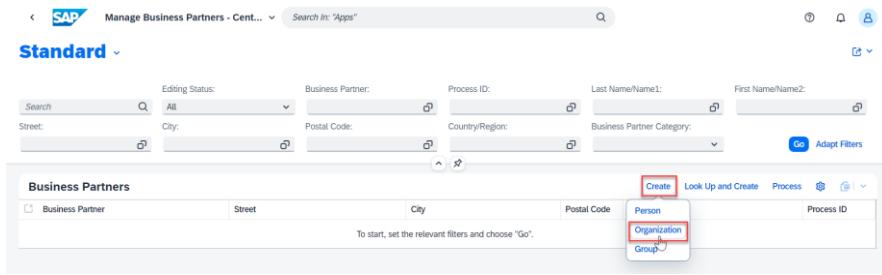
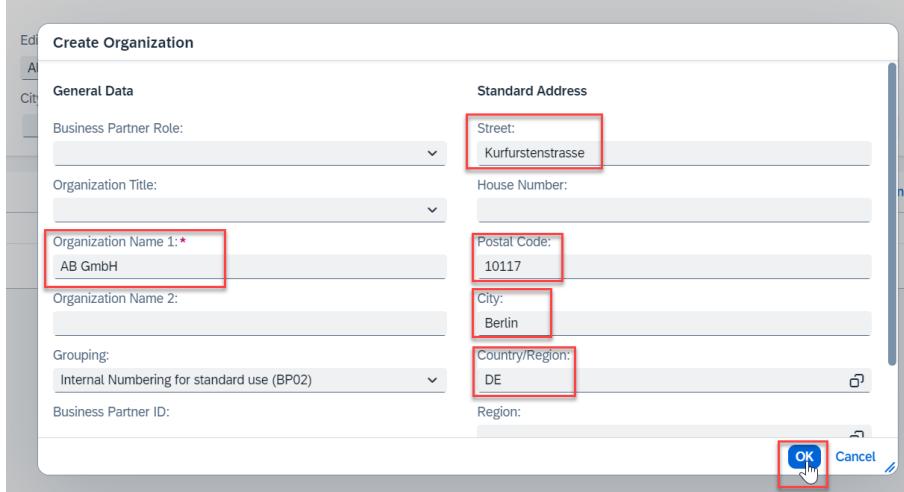
Explanation	Screenshot
11. Again, launch the app Validation Rules .	 The screenshot shows the SAP Fiori Launchpad. The "Business Partner Governance" app is highlighted with a red box. Other cards visible include "Import Master Data Business Partners" and "Manage Consolidation... Business Partners".
12. Click on the rule to display its details.	 The screenshot shows the "Validation Rules" list page. A specific rule named "SEARCH_TERMS_EQUAL" is selected and highlighted with a red box. The rule details show it has a score of 100.0, evaluated OK with 21 results, and Not OK with 0 results. The rule is owned by "Student 60 Workshop A".
13. You can see that all rule evaluations now produced the outcome OK. The score is now 100. Click on the SAP Logo to return to the home page.	 The screenshot shows the detailed view of the "SEARCH_TERMS_EQUAL" validation rule. The score is displayed as 100.0 with a red box around it. The rule details section shows the latest evaluation date as 10/23/2023, 21:29:12, and counts of OK (21) and Not OK (0). The rule is associated with the "General (BUT000)" base table and the checked field "Search term 1 (BUT000-BU_SORT1)". The status is marked as "Approved".

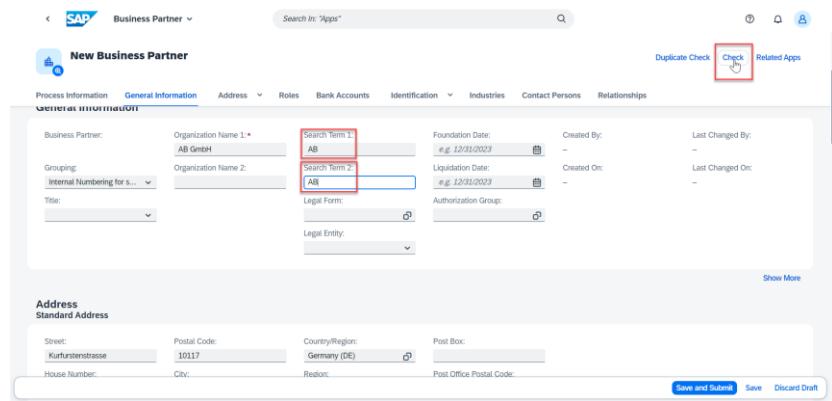
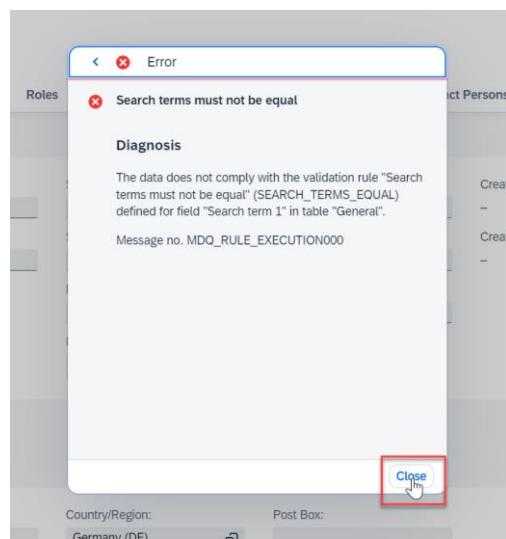
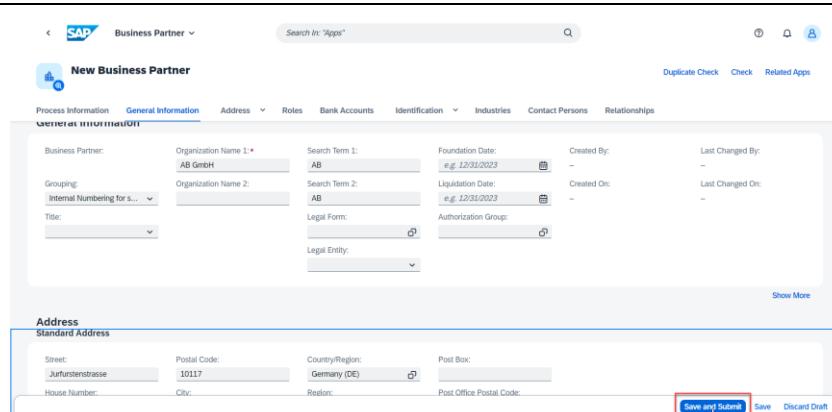


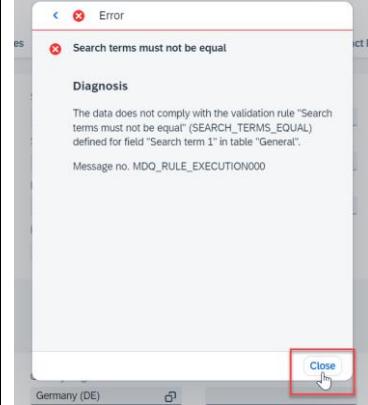
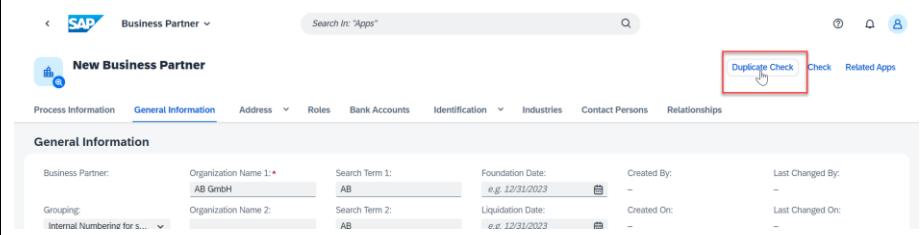
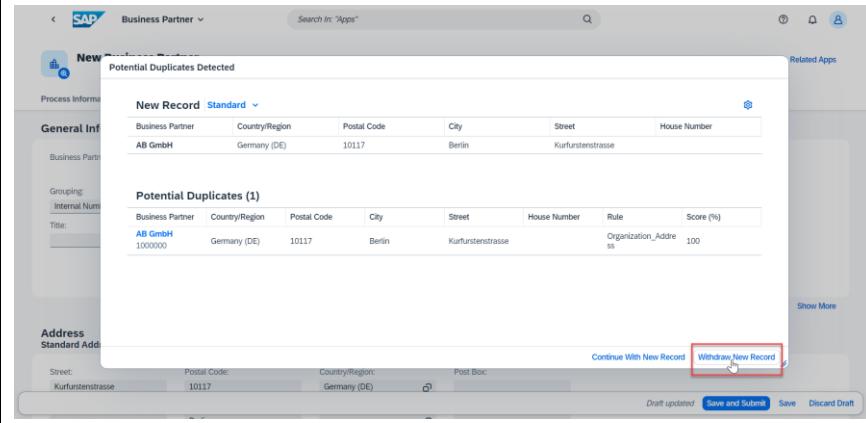
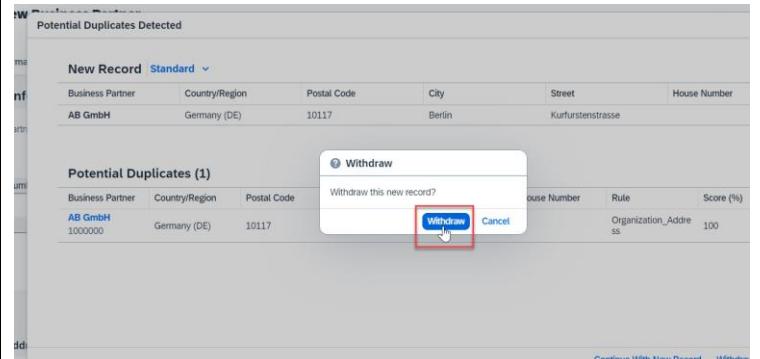
Step 8: See the effect of the rule in central governance

Since you also enabled the usage Check in Central Governance, let's now see the effect in the app Manage Business Partners – Central Governance.



Explanation	Screenshot
1. Click on the tile Manage Business Partners – Central Governance .	
2. Click on the Create button and select Organization in the list.	
8. A dialog to create an organization is displayed. Enter the following information: a) Organization Name1: AB GmbH b) Street: Kurfurstenstrasse c) Postal Code: 10117 d) City: Berlin e) Country/Region: DE Then, click on OK .	

Explanation	Screenshot
<p>3. Enter the same value AB for the fields search term 1 and search term 2.</p> <p>Then press Check.</p>	
<p>4. As configured by you, an error is displayed informing you about issue.</p> <p>Click on Close.</p>	
<p>5. Click on Save and Submit.</p>	

Explanation	Screenshot
<p>6. The error message appears again, preventing you from submitting your request.</p>	
<p>7. As a last activity, click on Duplicate Check.</p>	
<p>8. As you can see there is already a similar business partner available. Click on Withdraw New Record.</p>	
<p>9. Confirm your decision by clicking on Withdraw.</p>	
<p>This concludes the last exercise.</p>	





Exercise Completed

Congratulations! You created a validation rule in SAP Master Data Governance, cloud edition and used it to evaluate the quality of master data. You also corrected the errors that were found and saw some of the features to enhance and keep a great level of data quality!

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