



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.

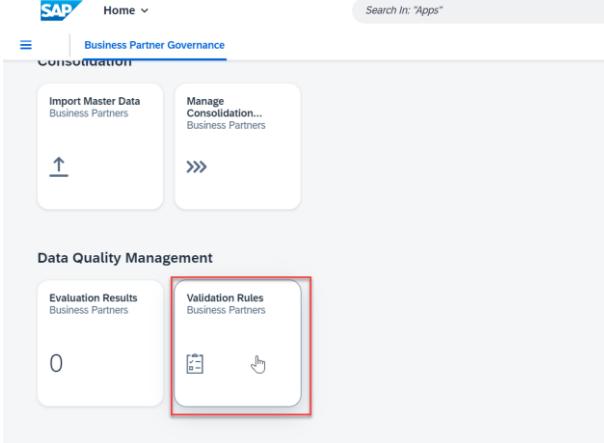
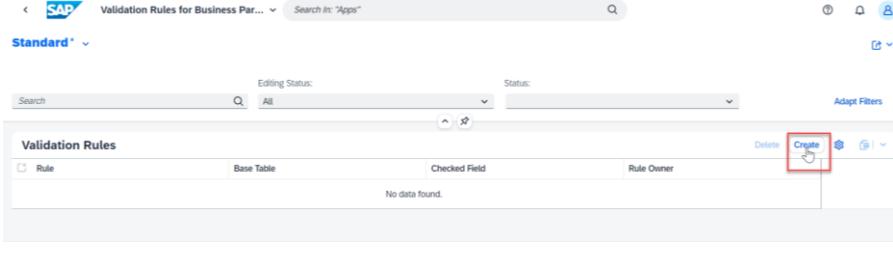
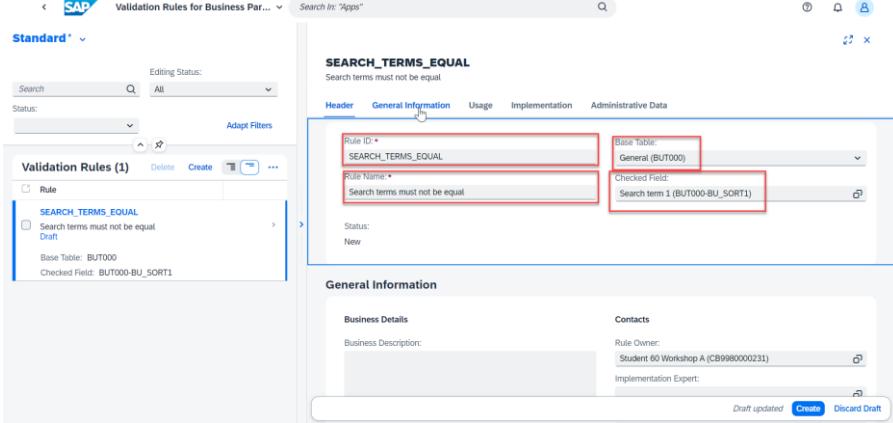


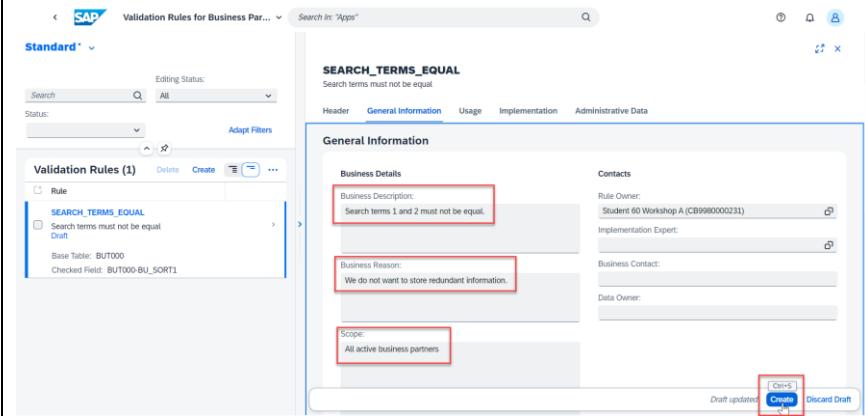
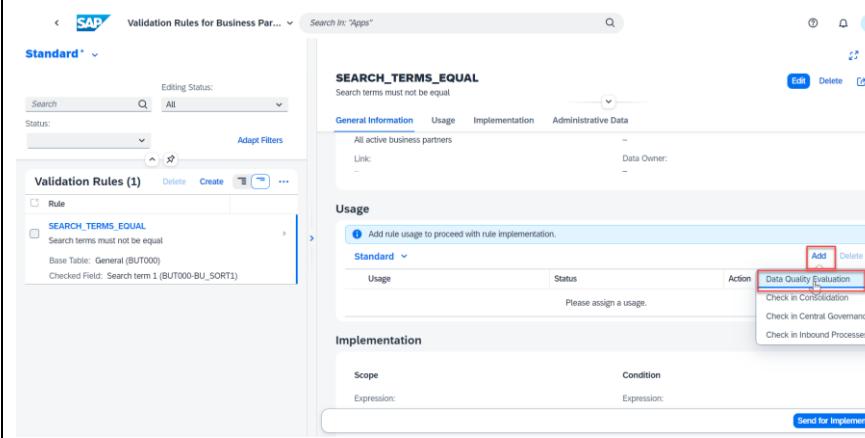
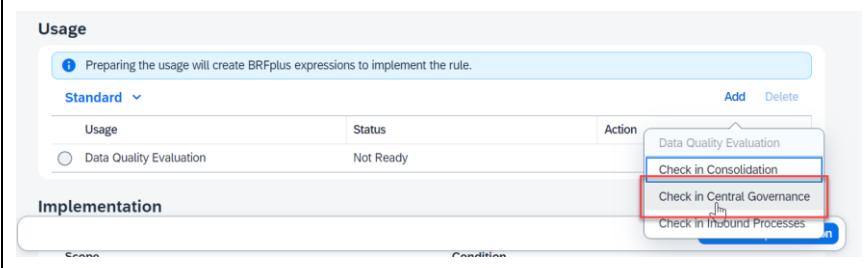
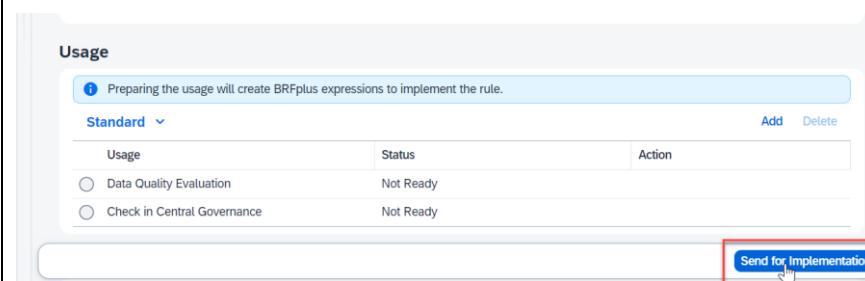
Instructions

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.



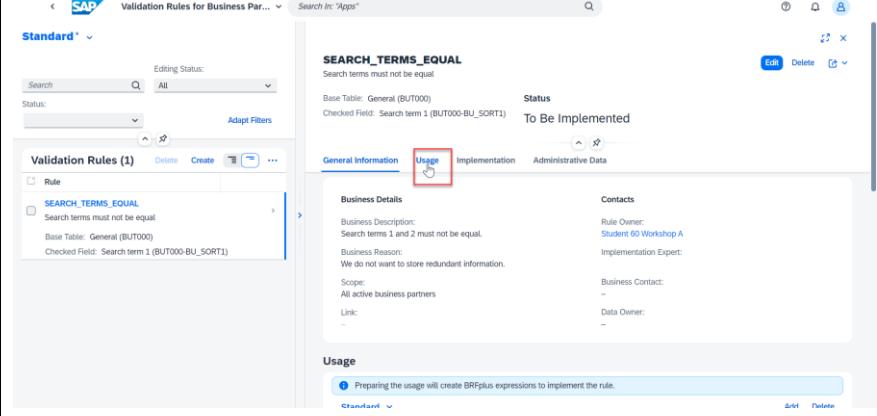
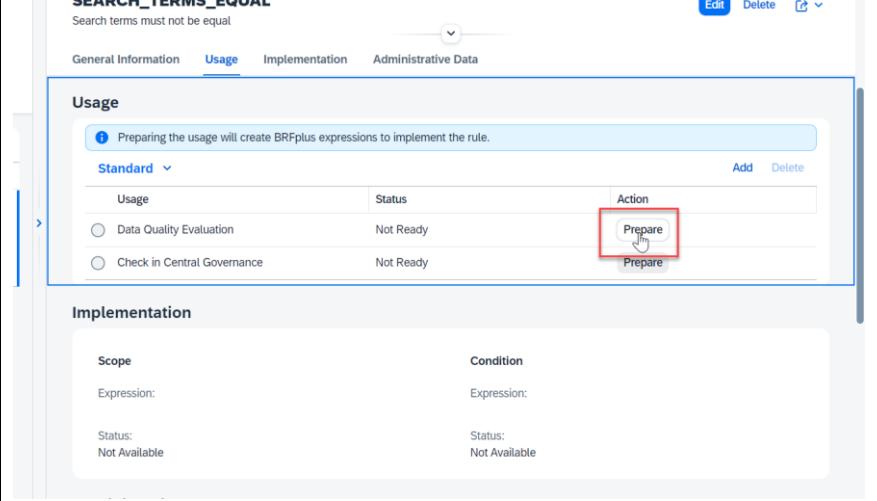
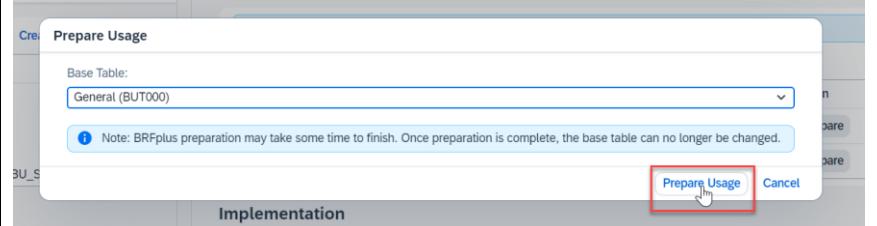
Explanation	Screenshot
1. Launch the app Validation Rules – Business Partners from the home page.	
2. Click on Create .	
3. Enter SEARCH_TERMS_EQUAL as the rule ID. Enter Search terms must not be equal as the rule name. Select General (BUT000) as base table. Enter Search term 1 (BUT000-BU_SORT1) as the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

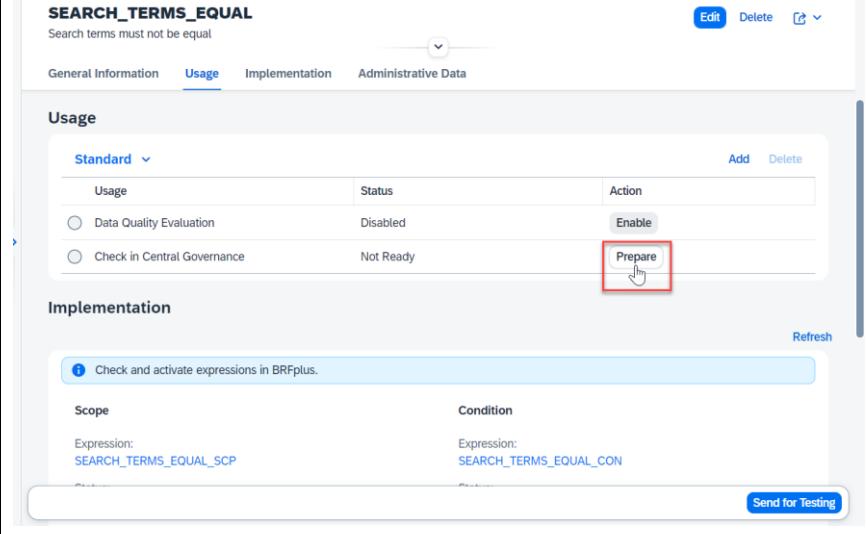
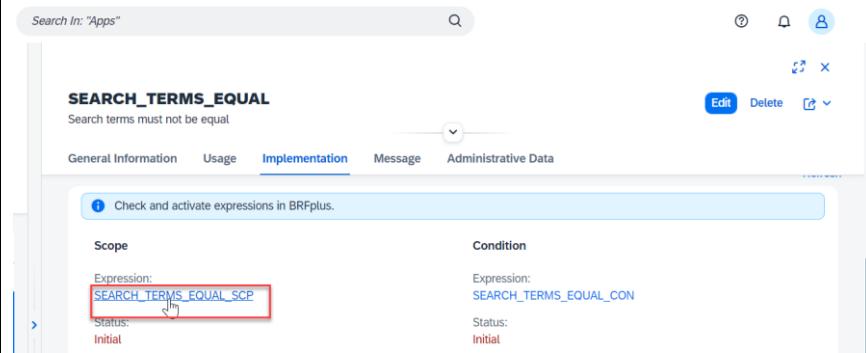
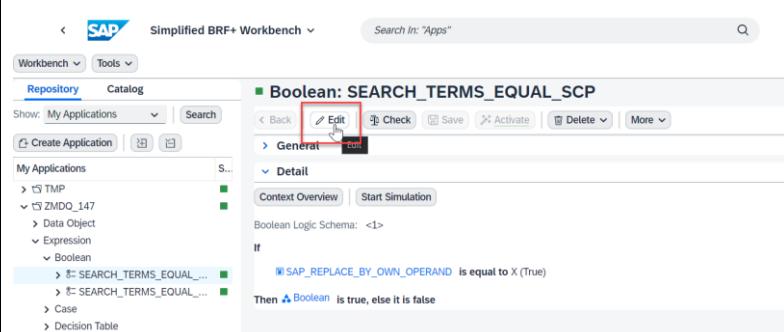
Explanation	Screenshot
<p>4. As business description enter Search terms 1 and 2 must not be equal.</p> <p>As business reason enter We do not want to store redundant information.</p> <p>Then, enter All active business partners as scope.</p> <p>Finally, press Create.</p>	
<p>5. You intend to use the validation 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>	

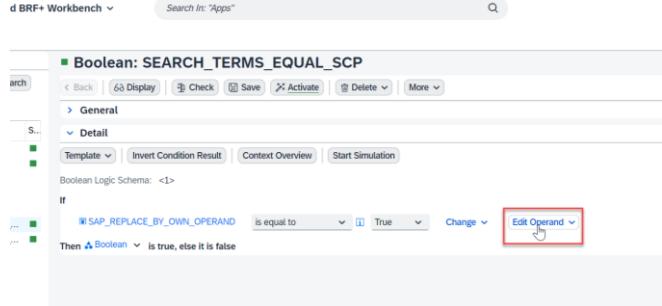
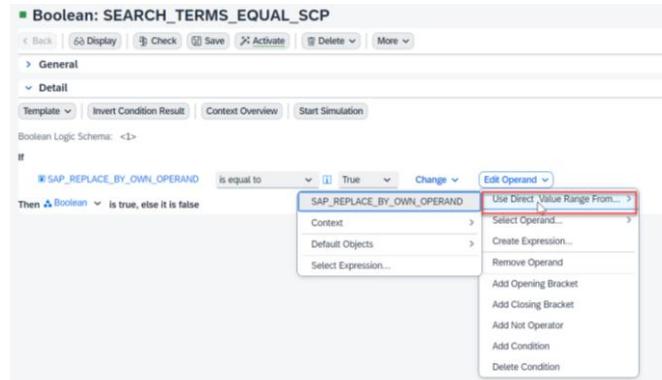
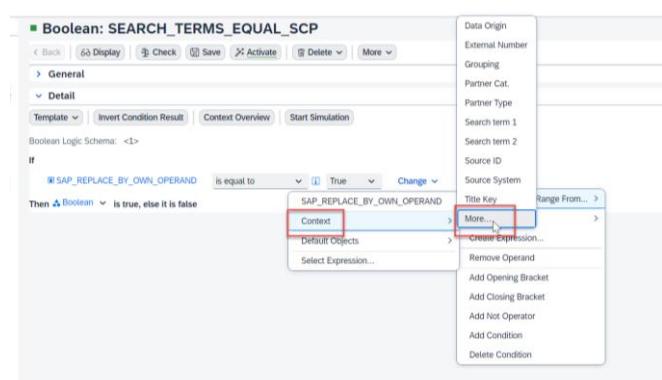


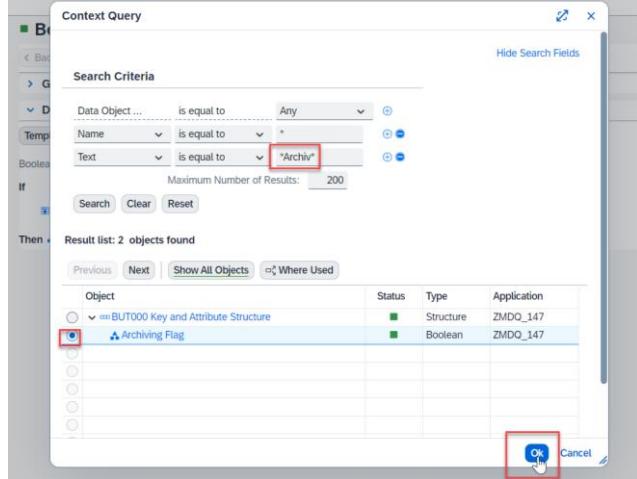
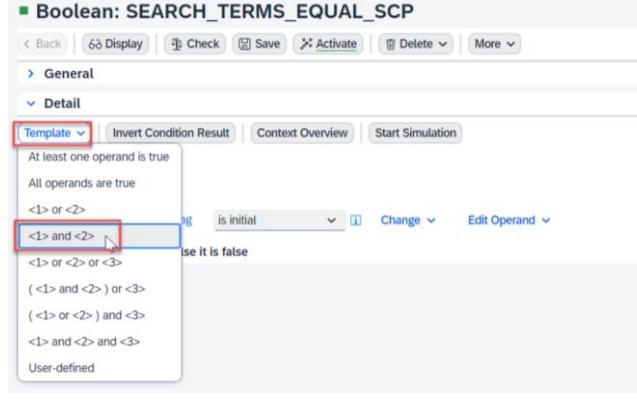
Step 2: Implement the validation rule with BRFplus

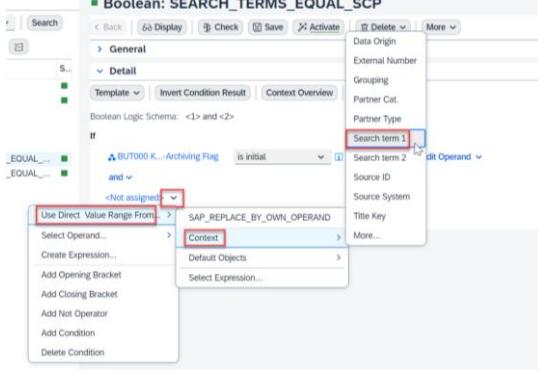
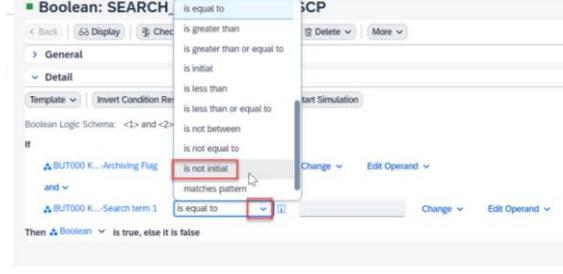
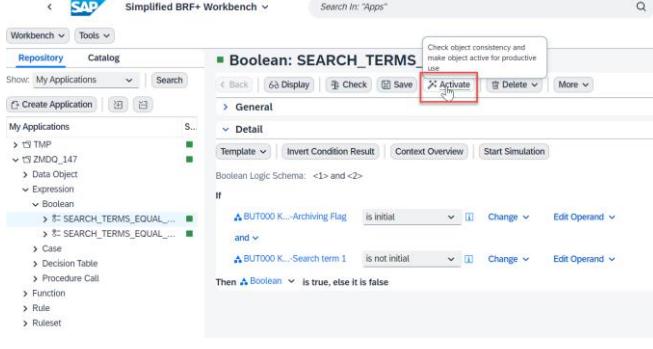
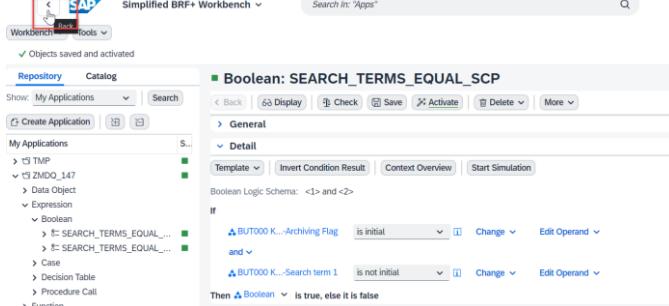
For complex rules it might be required to involve an expert for rule implementation. For this simple rule, you also assume this role and continue by implementing the expressions in BRFplus.

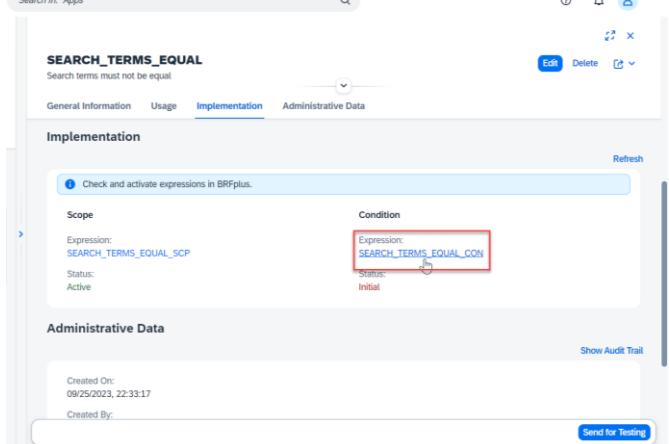
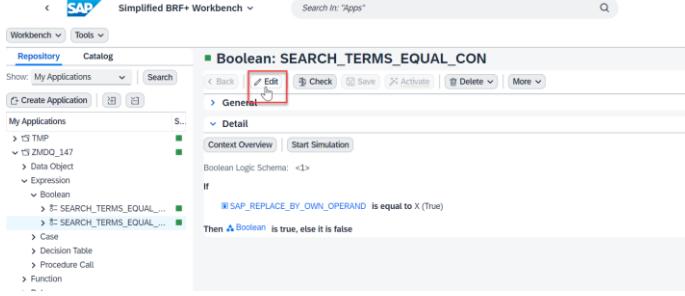
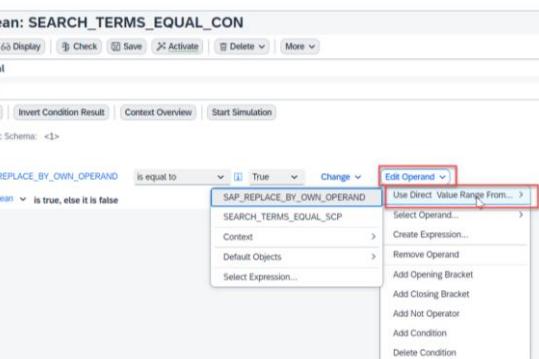
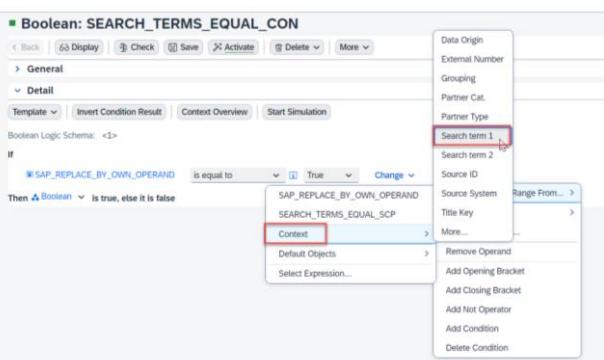
Explanation	Screenshot
<p>1. Since you sent the rule for implementation, the status was changed accordingly.</p> <p>Open the tab Usage.</p>	 <p>The screenshot shows the SAP Validation Rules interface for Business Partner. The 'Usage' tab is highlighted with a red box. The status of the validation rule 'SEARCH_TERMS_EQUAL' is 'To Be Implemented'. The 'Implementation' tab is disabled.</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 SAP Validation Rules interface for Business Partner. The 'Usage' tab is selected. In the 'Implementation' section, the 'Scope' and 'Condition' fields are empty. The 'Action' column for the first row contains a 'Prepare' button, which 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 system generates BRFplus artefacts that you are going to use to implement the rule's logic.</p>	 <p>The screenshot shows the 'Prepare Usage' dialog box. The 'Base Table' dropdown is set to 'General (BUT000)'. The 'Implementation' tab is selected. The 'Prepare Usage' button is highlighted with a red box.</p>

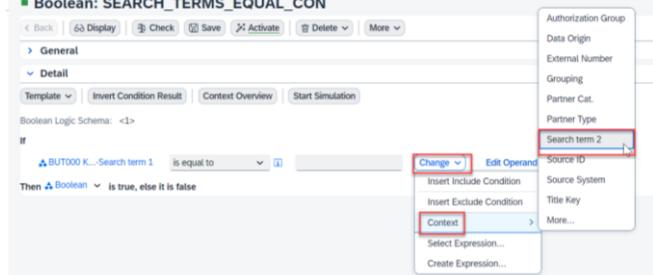
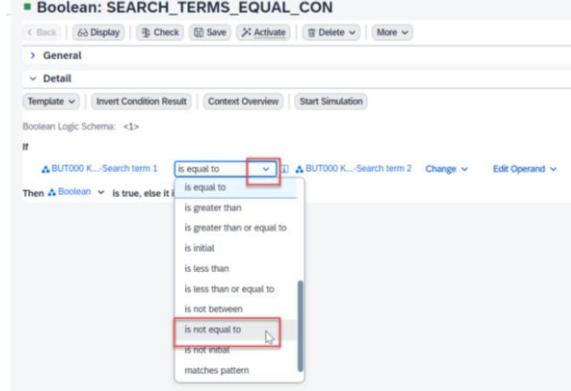
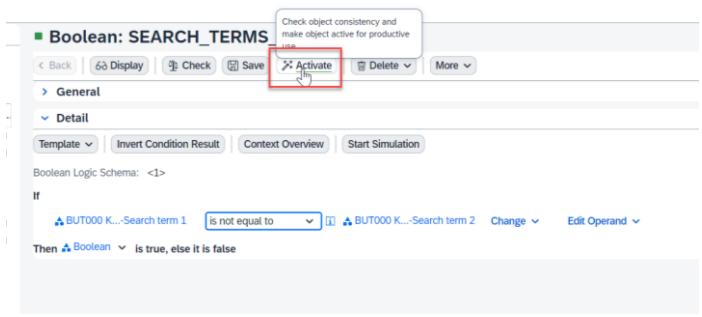
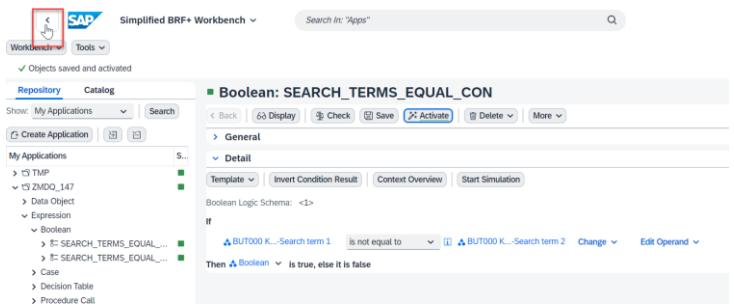
Explanation	Screenshot
<p>4. Now, you can see that expressions are available in the section Implementation. Click on Prepare for the second usage.</p>	
<p>5. To proceed with the implementation, go to section Implementation. Click on the scope expression SEARCH_TERMS_EQUAL_SCP to open the expression in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

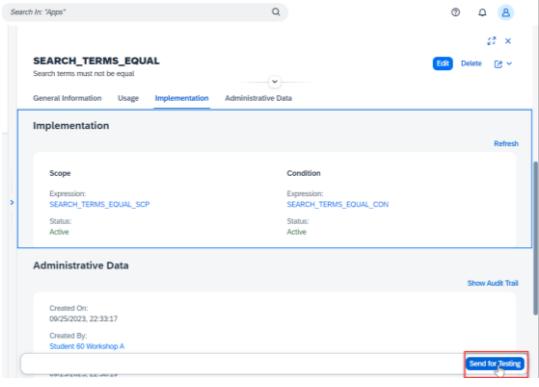
Explanation	Screenshot
<p>7. First, you replace the default left-hand operand with the Archiving Flag.</p> <p>Click on Edit Operand...</p>	
<p>8. ...then on Use Direct Value Range From...</p>	
<p>9. ...after that on Context, and finally on More....</p>	

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 Search term 1. Choose Edit Operand → Use direct value range from...</p>	
<p>20. ... Context -> Search term 1</p>	

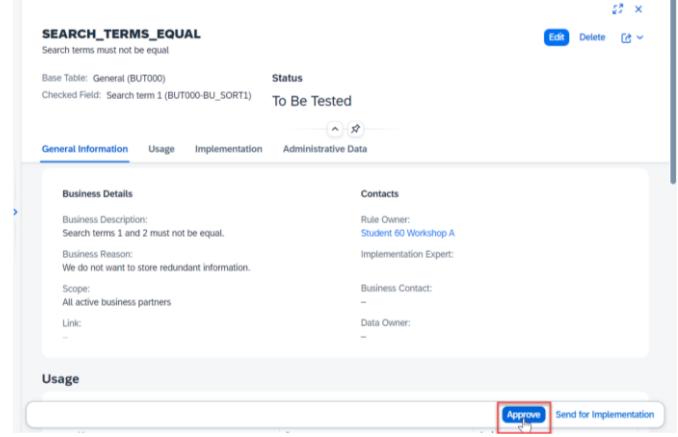
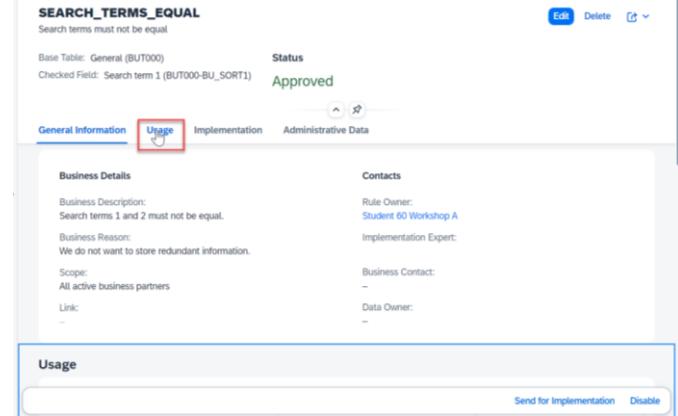
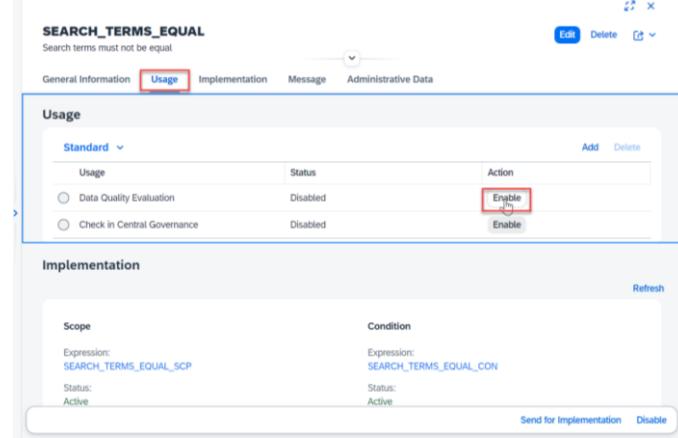
Explanation	Screenshot
<p>21. Then you want to use <i>Search term 2</i> as the right-hand operand.</p> <p>Choose Change → Context → Search term 2.</p>	
<p>22. The expression must evaluate to false for erroneous data.</p> <p>Choose is not equal to as the operator.</p> <p>Now, if both values are the same, the expression returns false. Only if the values are different the expression returns true to indicate successful validation.</p>	
<p>23. Again, click on Activate.</p>	
<p>24. And on Back to return to the Validation Rules app.</p>	

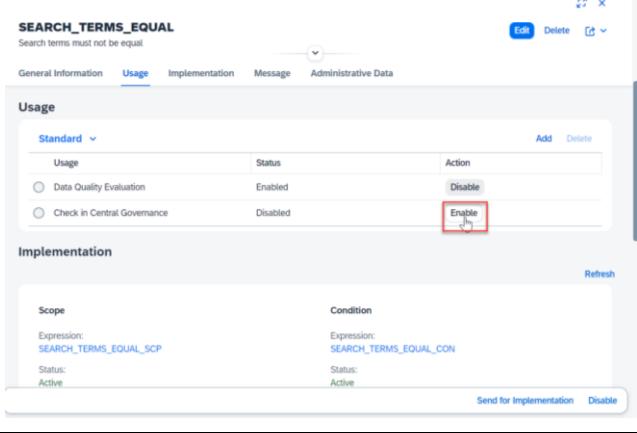
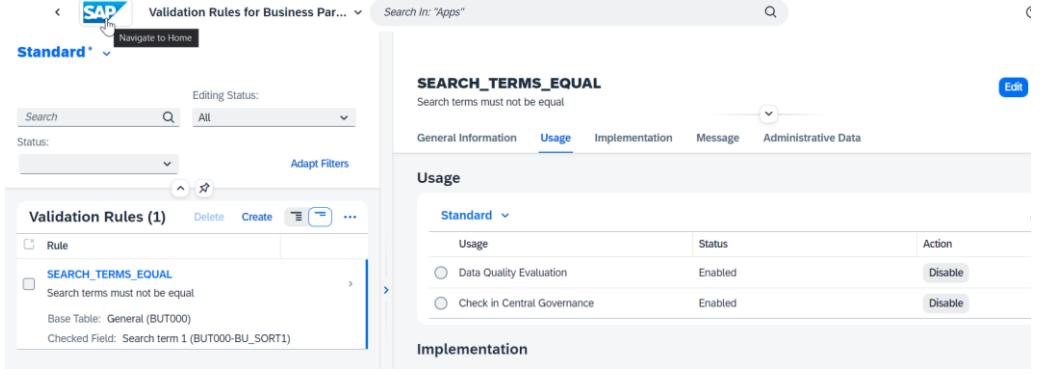
Explanation	Screenshot
<p>25. You are done with the implementation of the rule.</p> <p>Click on Send for Testing.</p>	



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>SEARCH_TERMS_EQUAL Search terms must not be equal</p> <p>Base Table: General (BUT000) Status: To Be Tested Checked Field: Search term 1 (BUT000-BU_SORT3)</p> <p>General Information Usage Implementation Administrative Data</p> <p>Business Details</p> <ul style="list-style-type: none"> Business Description: Search terms 1 and 2 must not be equal. Business Reason: We do not want to store redundant information. Scope: All active business partners Link: <p>Contacts</p> <ul style="list-style-type: none"> Rule Owner: Student 60 Workshop A Implementation Expert: Business Contact: Data Owner: <p>Usage</p> <table border="1"> <tr> <td>Link:</td> <td>Approve</td> <td>Send for Implementation</td> </tr> </table>	Link:	Approve	Send for Implementation											
Link:	Approve	Send for Implementation													
<p>2. Once the rule is approved, you can enable each usage individually.</p> <p>Navigate to the section Usage.</p>	 <p>SEARCH_TERMS_EQUAL Search terms must not be equal</p> <p>Base Table: General (BUT000) Status: Approved Checked Field: Search term 1 (BUT000-BU_SORT3)</p> <p>General Information Usage Implementation Administrative Data</p> <p>Business Details</p> <ul style="list-style-type: none"> Business Description: Search terms 1 and 2 must not be equal. Business Reason: We do not want to store redundant information. Scope: All active business partners Link: <p>Contacts</p> <ul style="list-style-type: none"> Rule Owner: Student 60 Workshop A Implementation Expert: Business Contact: Data Owner: <p>Usage</p> <table border="1"> <tr> <td>Link:</td> <td>Send for Implementation</td> <td>Disable</td> </tr> </table>	Link:	Send for Implementation	Disable											
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<p>3. Click on Enable for the first usage.</p>	 <p>SEARCH_TERMS_EQUAL Search terms must not be equal</p> <p>Base Table: General (BUT000) Status: Enabled Checked Field: Search term 1 (BUT000-BU_SORT3)</p> <p>General Information Usage Implementation Message Administrative Data</p> <p>Usage</p> <table border="1"> <thead> <tr> <th>Standard</th> <th>Usage</th> <th>Status</th> <th>Action</th> </tr> </thead> <tbody> <tr> <td>Data Quality Evaluation</td> <td>Disabled</td> <td>Enable</td> </tr> <tr> <td>Check in Central Governance</td> <td>Disabled</td> <td>Enable</td> </tr> </tbody> </table> <p>Implementation</p> <table border="1"> <thead> <tr> <th>Scope</th> <th>Condition</th> </tr> </thead> <tbody> <tr> <td>Expression: SEARCH_TERMS_EQUAL_SCP Status: Active</td> <td>Expression: SEARCH_TERMS_EQUAL_CON Status: Active</td> </tr> </tbody> </table>	Standard	Usage	Status	Action	Data Quality Evaluation	Disabled	Enable	Check in Central Governance	Disabled	Enable	Scope	Condition	Expression: SEARCH_TERMS_EQUAL_SCP Status: Active	Expression: SEARCH_TERMS_EQUAL_CON Status: Active
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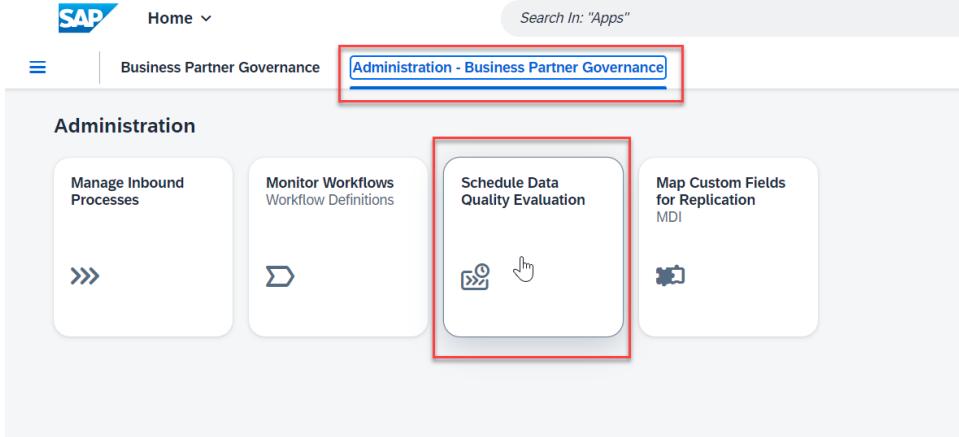
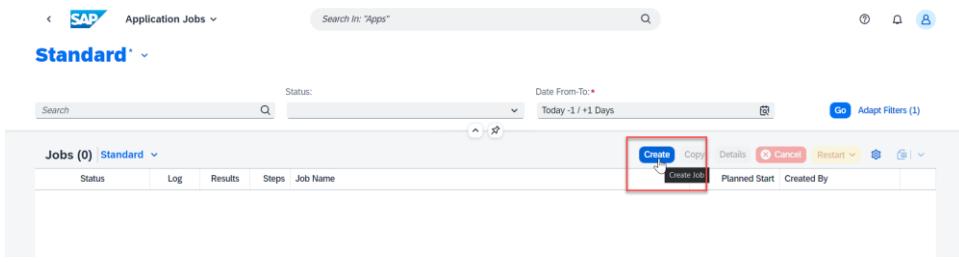
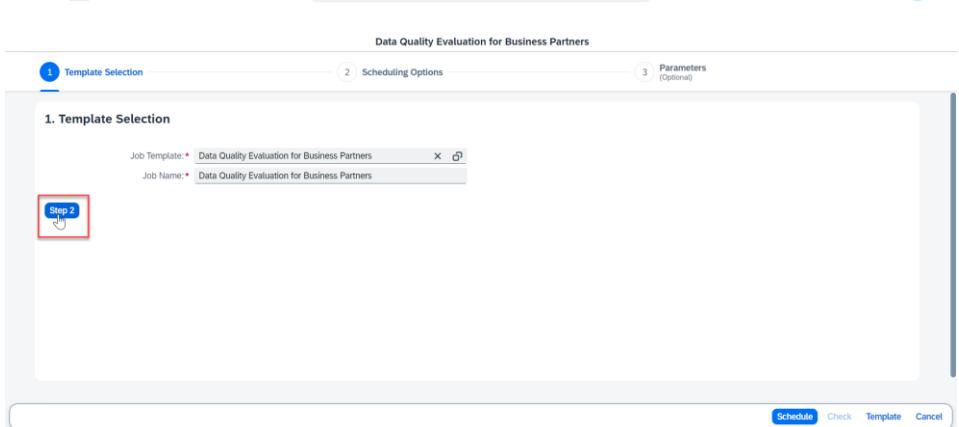
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<p>4. Also click on Enable for the second usage.</p>	 <p>SEARCH_TERMS_EQUAL Search terms must not be equal</p> <p>General Information Usage Implementation Message Administrative Data</p> <p>Usage</p> <table border="1"> <thead> <tr> <th>Usage</th> <th>Status</th> <th>Action</th> </tr> </thead> <tbody> <tr> <td>Data Quality Evaluation</td> <td>Enabled</td> <td>Disable</td> </tr> <tr> <td>Check in Central Governance</td> <td>Disabled</td> <td>Enable</td> </tr> </tbody> </table> <p>Implementation</p> <p>Scope Expression: SEARCH_TERMS_EQUAL_SCP Status: Active</p> <p>Condition Expression: SEARCH_TERMS_EQUAL_CON Status: Active</p> <p>Send for Implementation Disable</p>	Usage	Status	Action	Data Quality Evaluation	Enabled	Disable	Check in Central Governance	Disabled	Enable
Usage	Status	Action								
Data Quality Evaluation	Enabled	Disable								
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<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>	 <p>Validation Rules for Business Par... Search In: "Apps"</p> <p>SEARCH_TERMS_EQUAL Search terms must not be equal</p> <p>General Information Usage Implementation Message Administrative Data</p> <p>Usage</p> <table border="1"> <thead> <tr> <th>Usage</th> <th>Status</th> <th>Action</th> </tr> </thead> <tbody> <tr> <td>Data Quality Evaluation</td> <td>Enabled</td> <td>Disable</td> </tr> <tr> <td>Check in Central Governance</td> <td>Enabled</td> <td>Disable</td> </tr> </tbody> </table> <p>Implementation</p>	Usage	Status	Action	Data Quality Evaluation	Enabled	Disable	Check in Central Governance	Enabled	Disable
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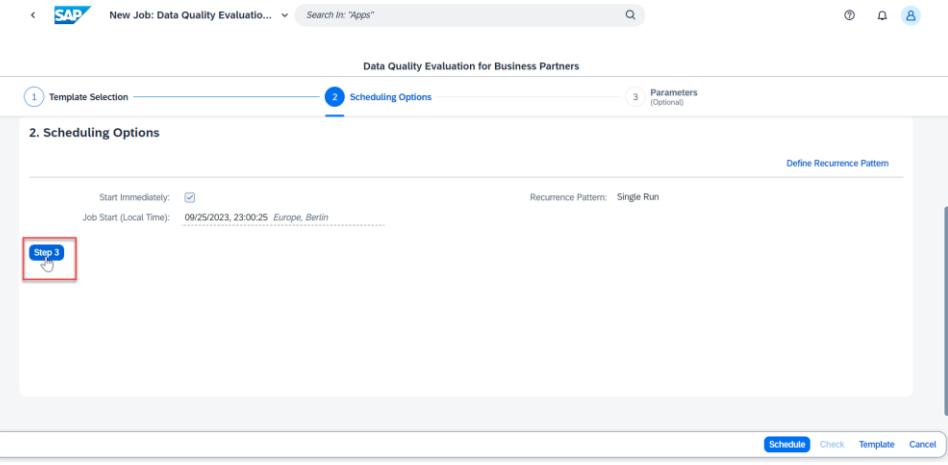
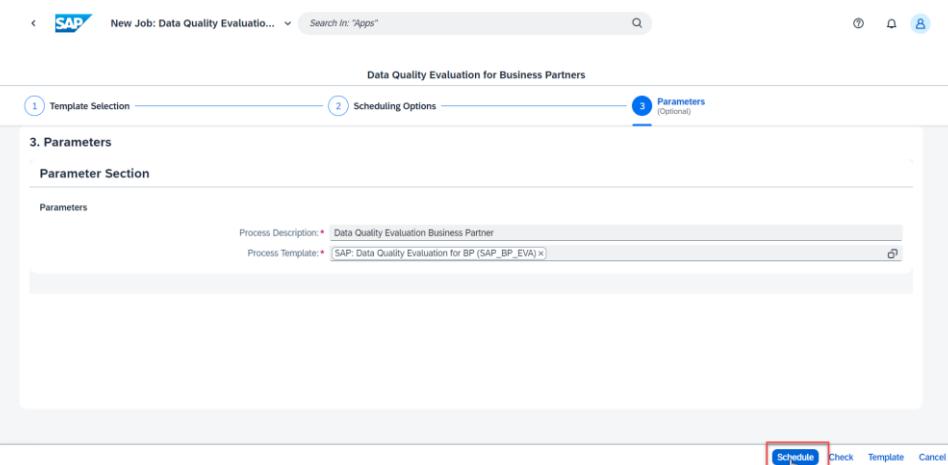
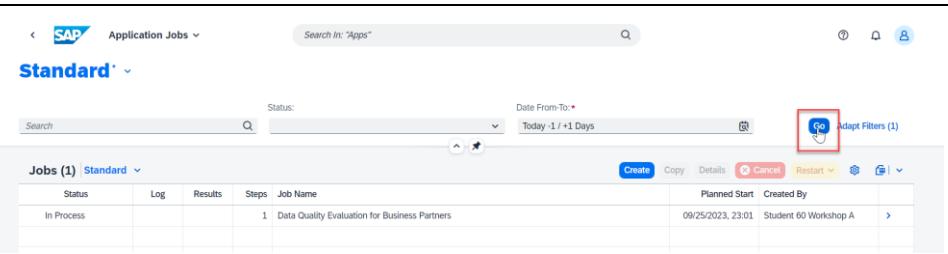
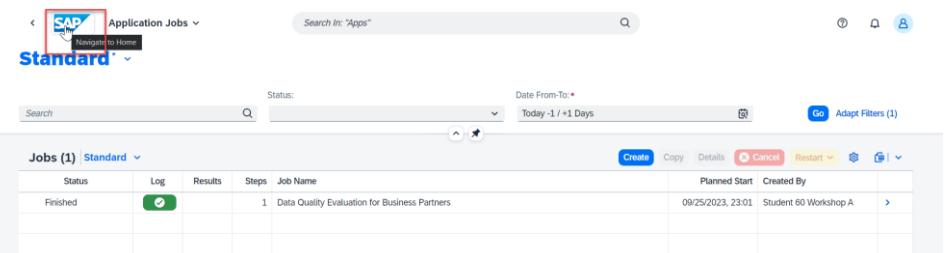


Step 4: Perform a data quality evaluation and analyze the results.

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>2. Click on Create.</p>	
<p>3. Accept the defaults and click on Step 2.</p>	

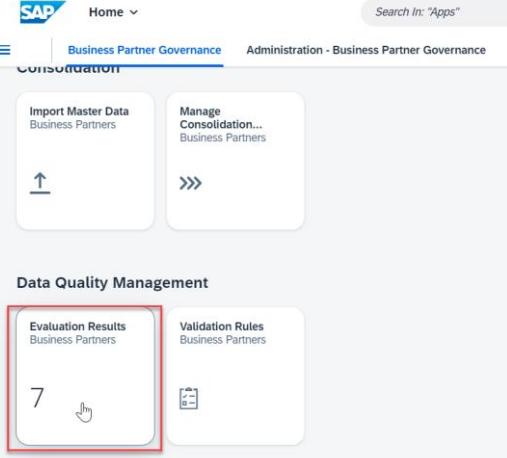
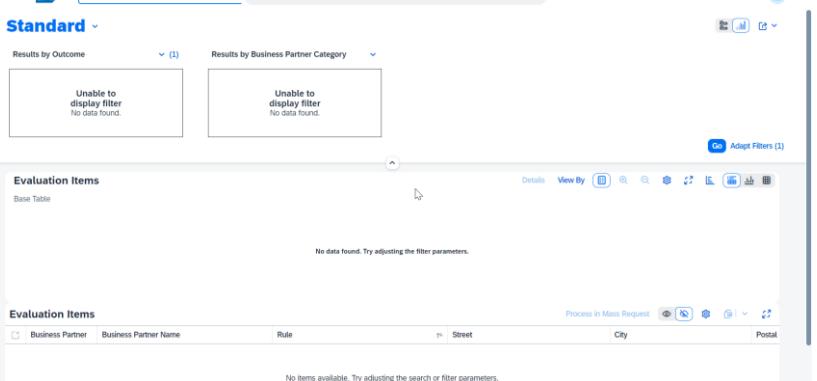
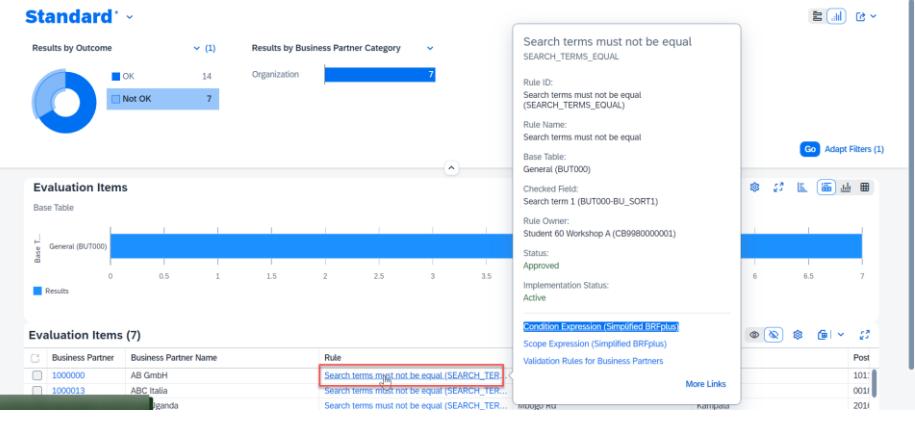
Explanation	Screenshot
<p>4. We only want to run the evaluation once and do not use the possibility to schedule recurring evaluations.</p> <p>Accept the defaults and go to Step 3.</p>	
<p>5. Again, accept the defaults and click on Schedule.</p>	
<p>6. The job is scheduled or already in process as shown 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>	

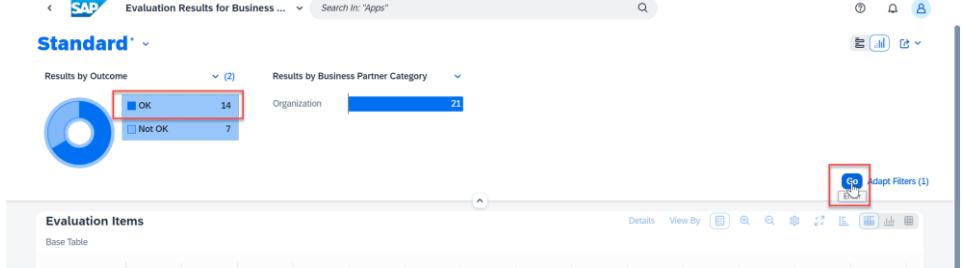
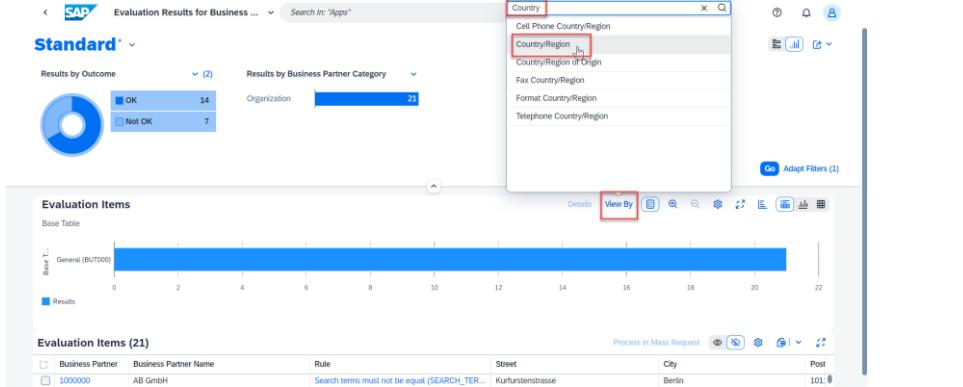
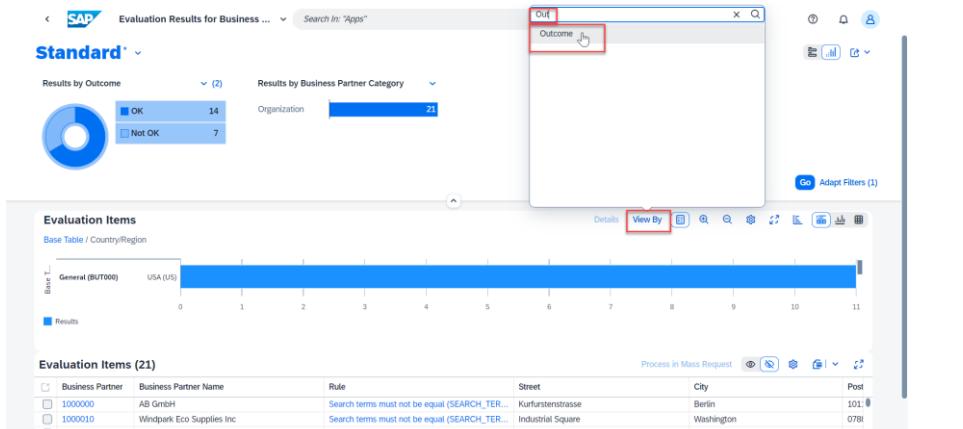


Step 5: Compare data quality by country

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>	

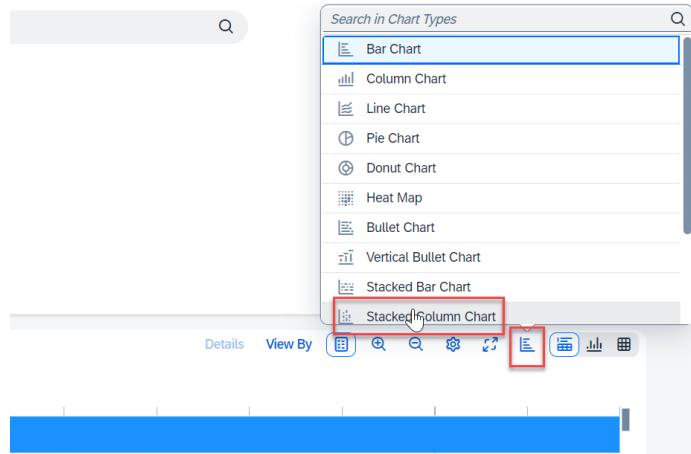
Explanation	Screenshot
<p>4. Since you want to analyze the results not only including bad data, but also good data click on OK in the visual filter bar to include these results as well.</p> <p>Note that the number of results for business partner category Organization changes to 21.</p> <p>Then click 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.

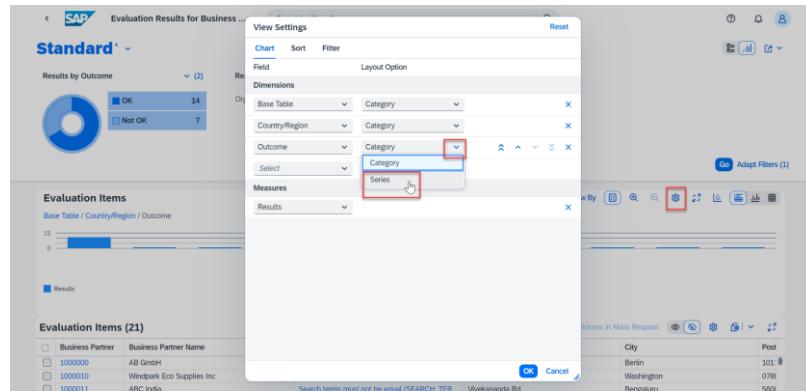
Click on Selected Chart Type, then on Stacked Column Chart.

Screenshot



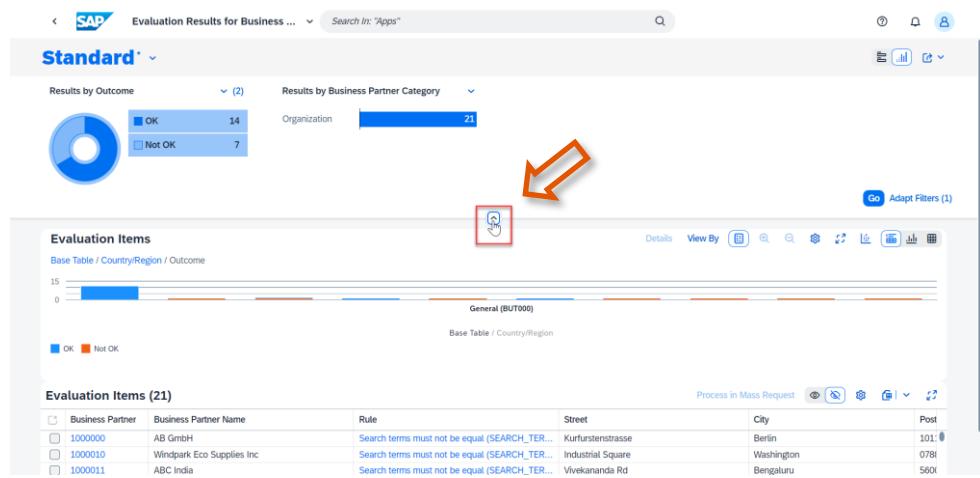
8. To further adapt the chart, click on **Settings** (the gears icon) and change the layout option for **Outcome** to **Series**.

Click on OK.



9. Click on the up arrow

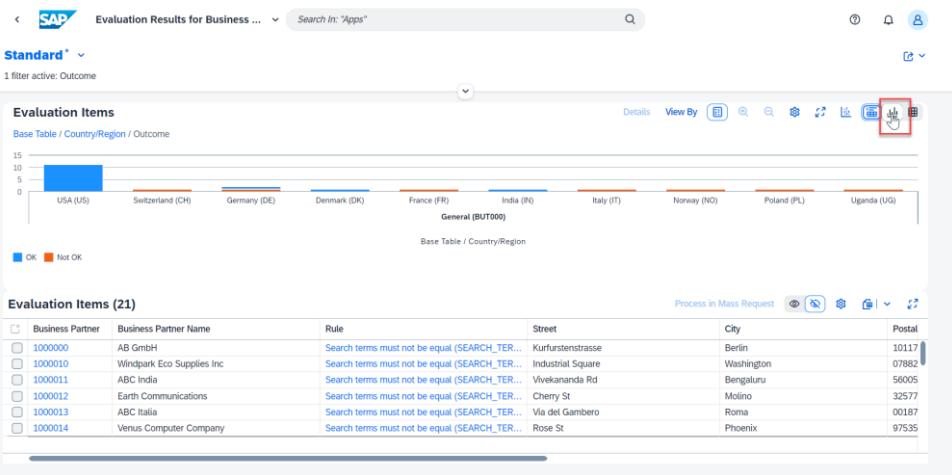
between the visual filter bar and the diagram to collapse the visual filter bar and to give the chart more space.



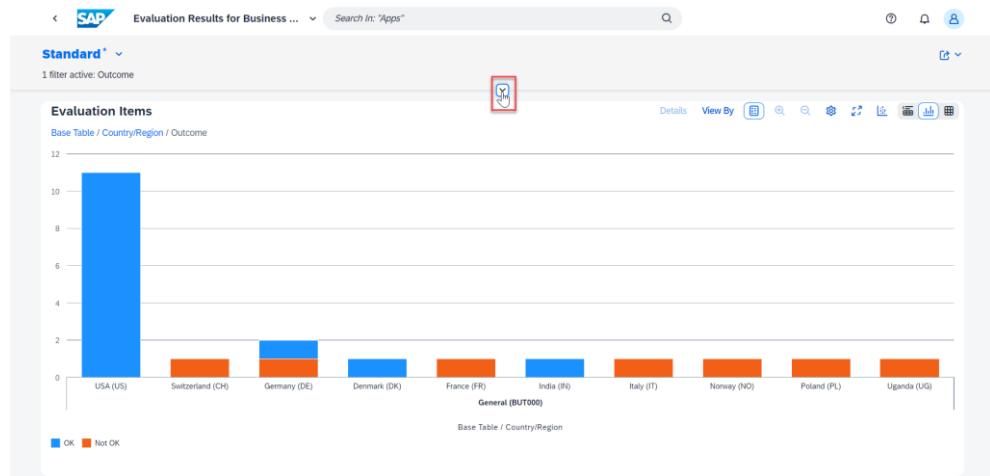
Explanation

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.



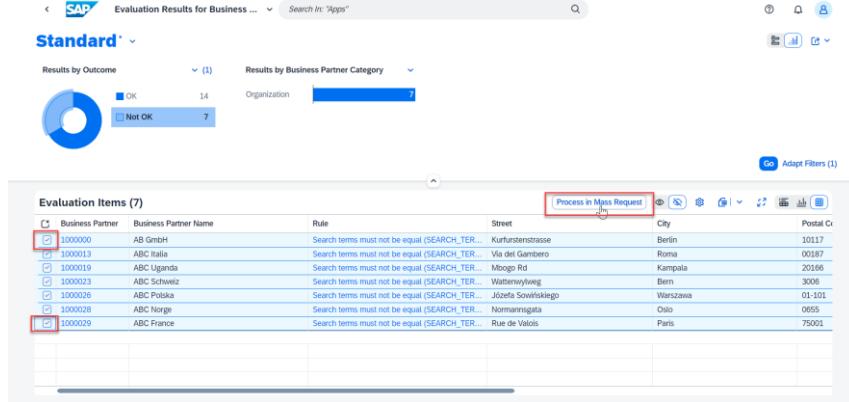
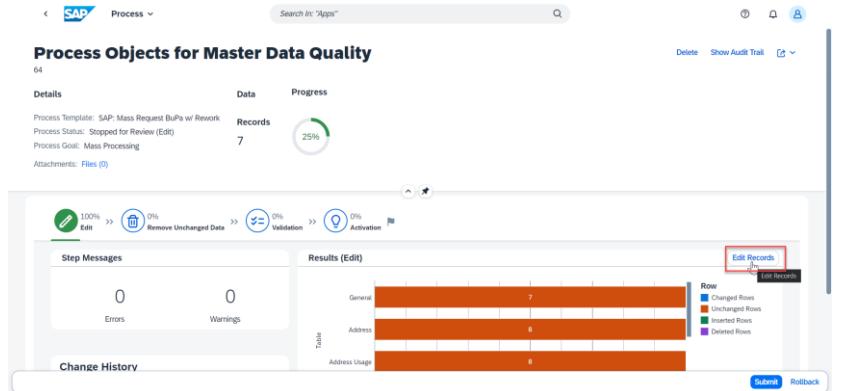
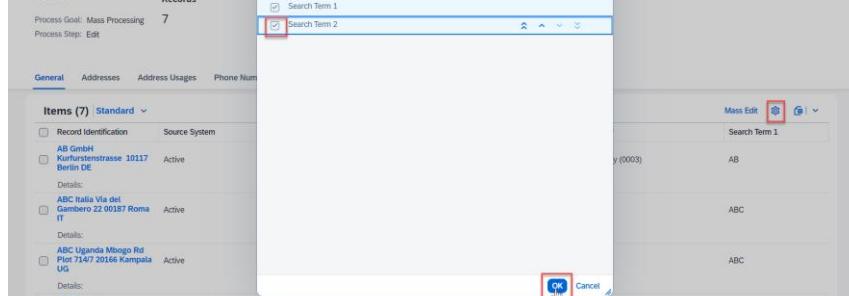


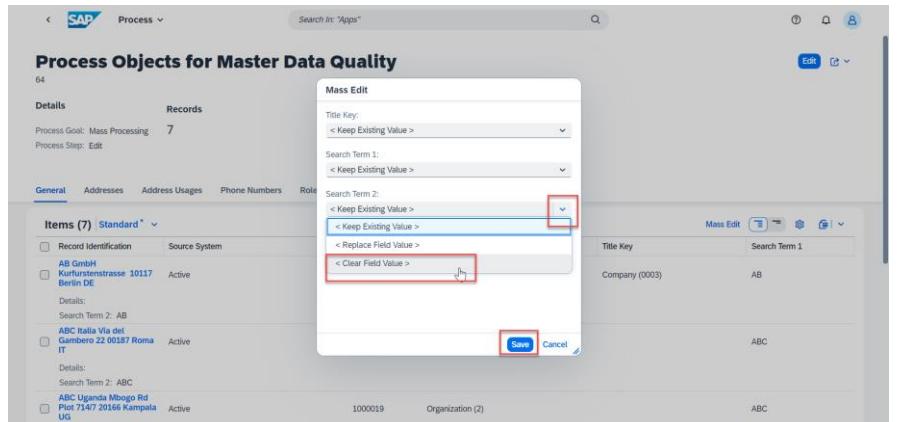
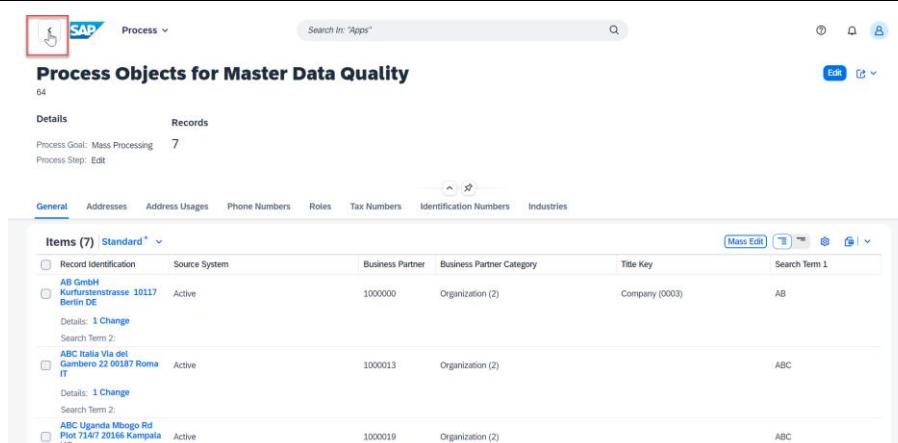
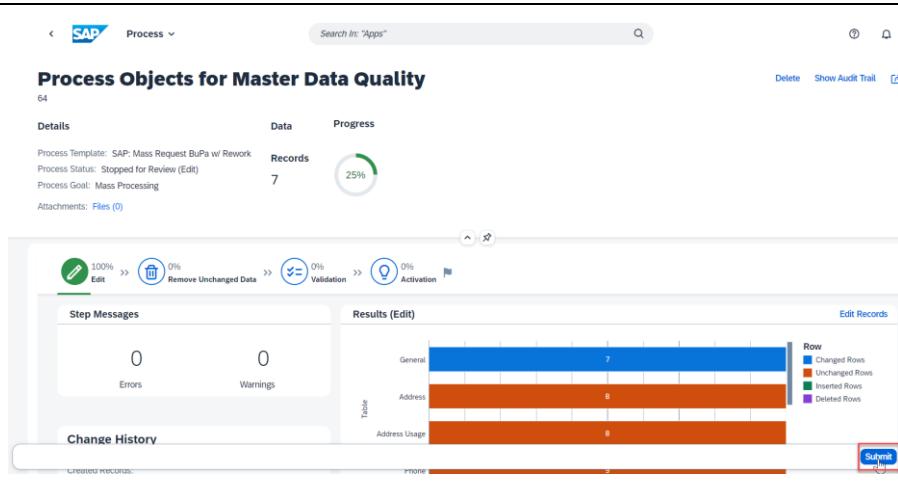
Step 6: Correct the erroneous business partners

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



Explanation	Screenshot																																	
<p>1. Expand the visual filter bar again.</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>12</td><td>1</td></tr><tr><td>Switzerland (CH)</td><td>0</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>0</td><td>1</td></tr><tr><td>India (IN)</td><td>1</td><td>0</td></tr><tr><td>Italy (IT)</td><td>0</td><td>1</td></tr><tr><td>Norway (NO)</td><td>0</td><td>1</td></tr><tr><td>Poland (PL)</td><td>0</td><td>1</td></tr><tr><td>Uganda (UG)</td><td>0</td><td>1</td></tr></tbody></table>	Country/Region	OK	Not OK	USA (US)	12	1	Switzerland (CH)	0	1	Germany (DE)	1	1	Denmark (DK)	1	0	France (FR)	0	1	India (IN)	1	0	Italy (IT)	0	1	Norway (NO)	0	1	Poland (PL)	0	1	Uganda (UG)	0	1
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Uganda (UG)	0	1																																
<p>2. Click on OK to deselect the results with outcome OK. Then, click on GO to update the application.</p>	<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>12</td><td>1</td></tr><tr><td>Switzerland (CH)</td><td>0</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>0</td><td>1</td></tr><tr><td>India (IN)</td><td>1</td><td>0</td></tr><tr><td>Italy (IT)</td><td>0</td><td>1</td></tr><tr><td>Norway (NO)</td><td>0</td><td>1</td></tr><tr><td>Poland (PL)</td><td>0</td><td>1</td></tr><tr><td>Uganda (UG)</td><td>0</td><td>1</td></tr></tbody></table>	Country/Region	OK	Not OK	USA (US)	12	1	Switzerland (CH)	0	1	Germany (DE)	1	1	Denmark (DK)	1	0	France (FR)	0	1	India (IN)	1	0	Italy (IT)	0	1	Norway (NO)	0	1	Poland (PL)	0	1	Uganda (UG)	0	1
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Uganda (UG)	0	1																																
<p>3. You can see each of the countries with 1 erroneous result. Switch the mode to Table View.</p>	<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>Switzerland (CH)</td><td>0</td><td>1</td></tr><tr><td>Germany (DE)</td><td>1</td><td>1</td></tr><tr><td>France (FR)</td><td>0</td><td>1</td></tr><tr><td>Italy (IT)</td><td>1</td><td>0</td></tr><tr><td>Norway (NO)</td><td>0</td><td>1</td></tr><tr><td>Poland (PL)</td><td>0</td><td>1</td></tr><tr><td>Uganda (UG)</td><td>0</td><td>1</td></tr></tbody></table>	Country/Region	OK	Not OK	Switzerland (CH)	0	1	Germany (DE)	1	1	France (FR)	0	1	Italy (IT)	1	0	Norway (NO)	0	1	Poland (PL)	0	1	Uganda (UG)	0	1									
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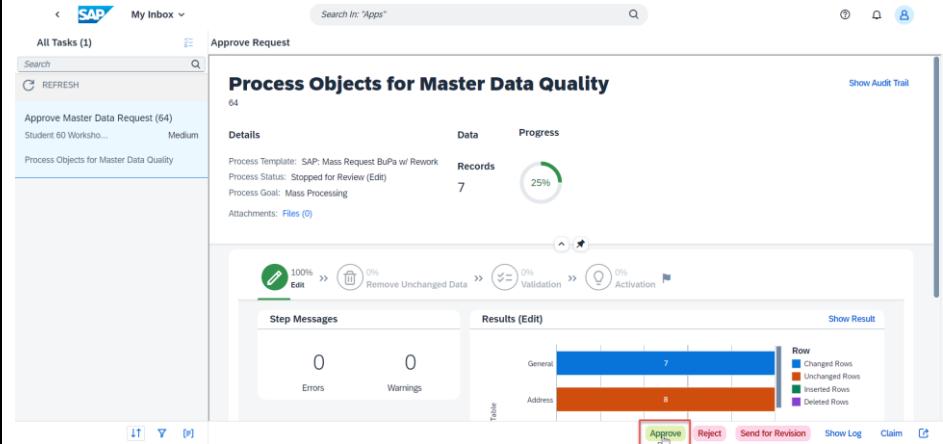
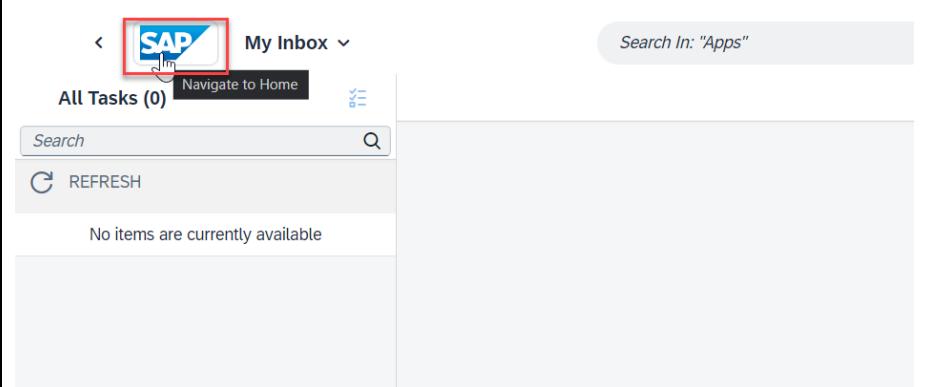
Explanation	Screenshot
<p>4. To select every business partner with an error, click on the check box of the first row.</p> <p>Then hold the SHIFT key and click on the check box of the last row.</p>	
<p>Finally, click on Process in Mass Request.</p>	
<p>5. A mass process with the selected business partners is created.</p> <p>Click on Edit Records.</p>	
<p>6. To enable the field Search Term 2 for mass edit, open Settings.</p> <p>Enter Search in the search field.</p> <p>Select Search Term 2 and press OK.</p>	

Explanation	Screenshot
<p>7. Click on Mass Edit → All items and choose the option <Clear Field Value> for Search Term 2.</p>	 <p>The screenshot shows the SAP Fiori interface for 'Process Objects for Master Data Quality'. A modal window titled 'Mass Edit' is open. In the 'Search Term 2' dropdown, the option '< Clear Field Value >' is highlighted with a red box. The 'Save' button at the bottom right of the modal is also highlighted with a red box.</p>
<p>Then click on Save.</p>	
<p>8. Click on Back to return to the process.</p>	 <p>The screenshot shows the same SAP Fiori interface after the mass edit. The list of records now reflects changes made, such as 'ABC Italia Via del Gambero 22 00187 Roma IT' being marked as 'Active'.</p>
<p>9. Click on Submit to submit your process.</p>	 <p>The screenshot shows the final step of the process. It displays the process template, status (Stopped for Review), and goal (Mass Processing). Below this, the 'Data' tab shows progress: 7 records processed, 25% completion. The 'Edit' button is highlighted with a red box. At the bottom right, there are 'Submit' and 'Rollback' buttons.</p>



Explanation	Screenshot
<p>10. A workflow task to review the request was created and the process is stopped until that task is completed.</p> <p>Click on the SAP Logo to return to the home page.</p>	<p>Process Objects for Master Data Quality</p> <p>64</p> <p>Details Data Progress</p> <p>Process Template: SAP: Mass Request BuPa w/ Rework Process Status: Stopped for Review (Edit) Process Goal: Mass Processing</p> <p>Records 7 25%</p> <p>Attachments: Files (0)</p> <p>Step Messages Results (Edit)</p> <p>0 0 Errors Warnings</p> <p>General Address Address Usage</p> <p>Row: Changed Rows, Unchanged Rows, Inserted Rows, Deleted Rows</p> <p>Change History</p>
11. Open the app My Inbox.	<p>SAP Home ▾ Search In: "Apps"</p> <p>Business Partner Governance Administration - Business Partner Governance</p> <p>Central Governance</p> <ul style="list-style-type: none">My Inbox (highlighted with a red box and a hand cursor icon)Manage Business Partners Central GovernanceManage Governance Processes Business PartnersExport Maste Business Part <p>Consolidation</p> <ul style="list-style-type: none">Import Master Data Business PartnersManage Consolidation... Business Partners <p>Data Quality Management</p>



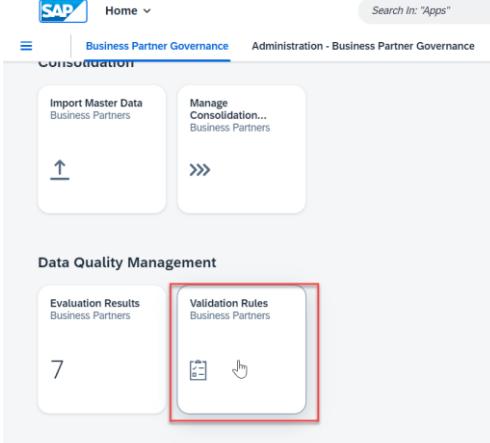
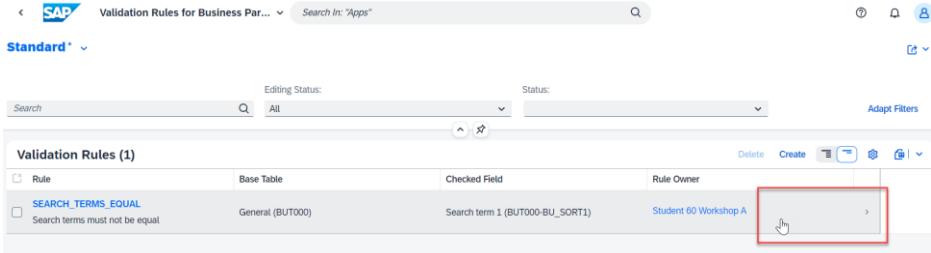
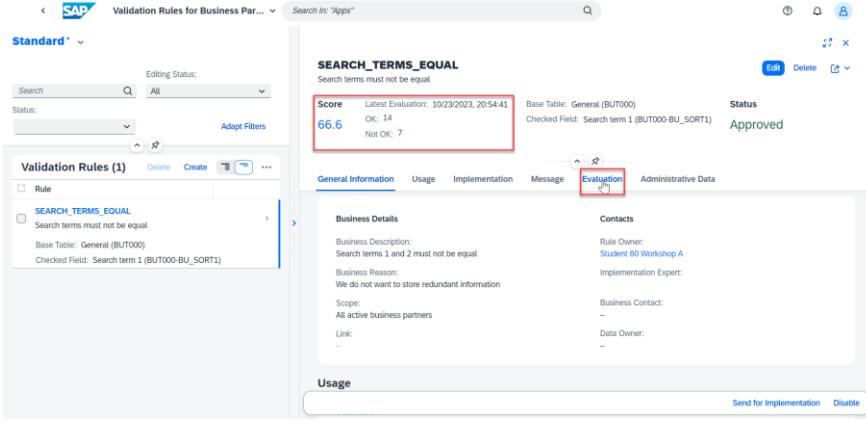
Explanation	Screenshot
12. Click on Approve to approve the request.	 <p>The screenshot shows the SAP Fiori interface with the title "Process Objects for Master Data Quality". It displays a progress bar at 25% completion. Below the progress bar, there are four status indicators: Edit (100%), Remove Unchanged Data (0%), Validation (0%), and Activation (0%). A "Step Messages" section shows 0 Errors and 0 Warnings. A "Results (Edit)" section shows a table with 7 rows under the "General" category and 8 rows under the "Address" category. The table includes a legend for row types: Changed Rows (blue), Unchanged Rows (orange), Inserted Rows (green), and Deleted Rows (purple). At the bottom right, there are buttons for "Approve", "Reject", "Send for Revision", "Show Log", and "Claim".</p>
13. Click on the SAP Logo to return to the home page.	 <p>The screenshot shows the SAP Fiori interface with the title "All Tasks (0)". The SAP logo is highlighted with a red box. A "Navigate to Home" button is visible above the search bar. The main area displays the 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.

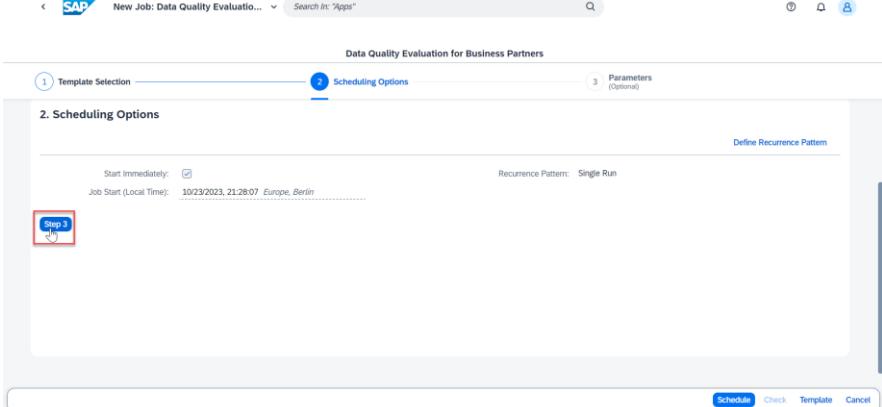
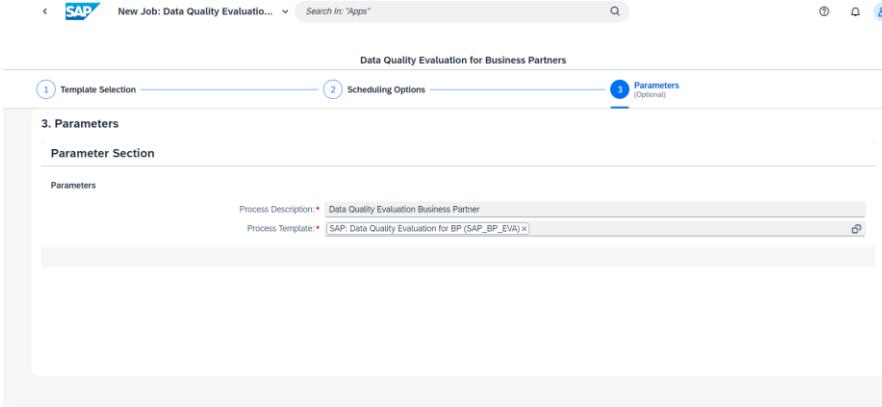
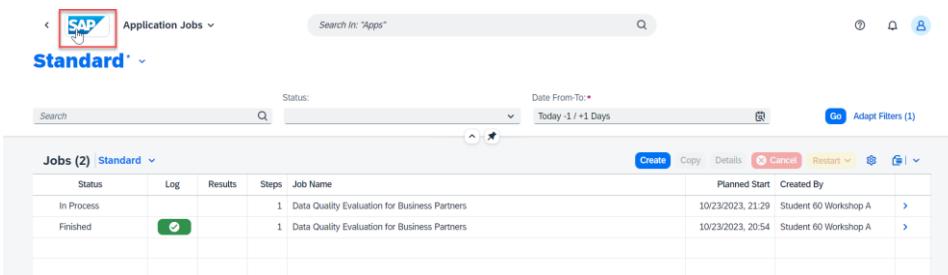


Explanation	Screenshot
1. Launch the app Validation Rules.	
2. Click on the rule to display the details.	
3. You can see the results of the latest data quality evaluative in the header: 14 results with OK 7 results with No OK Leading to a score of $7 / (7+14) = 66.6 (\%)$ Go to section Evaluation.	

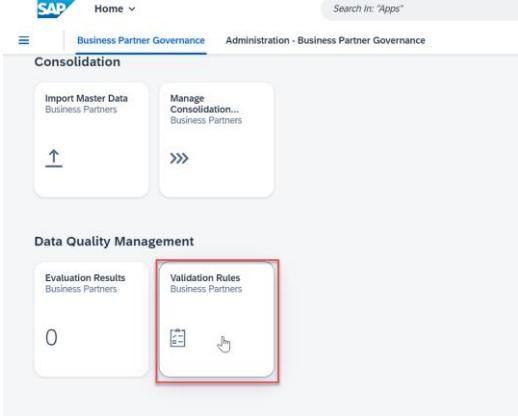
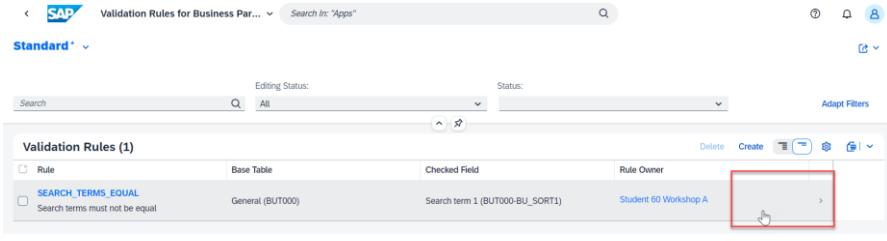
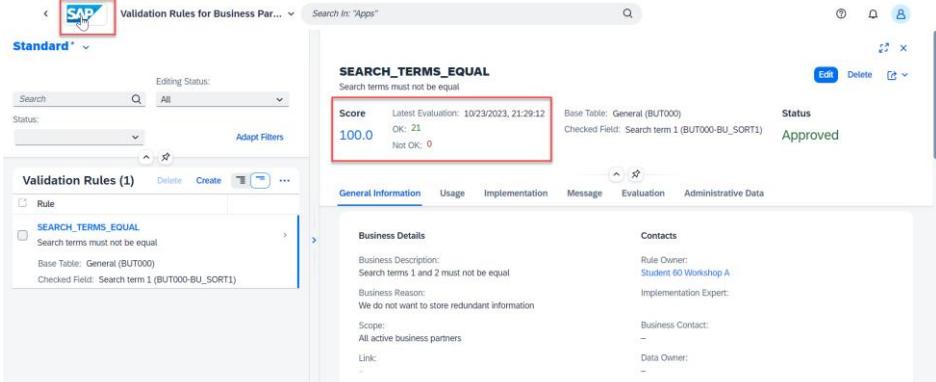


Explanation	Screenshot
<p>4. In this section you can also see how many rows are available in the base table of the rule, here one for each business partner in the tenant. Since the scope expression returned true for each of these business partners, you see the same number for the actually checked rows.</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.	



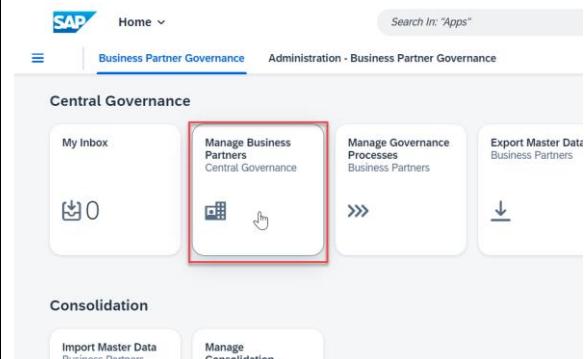
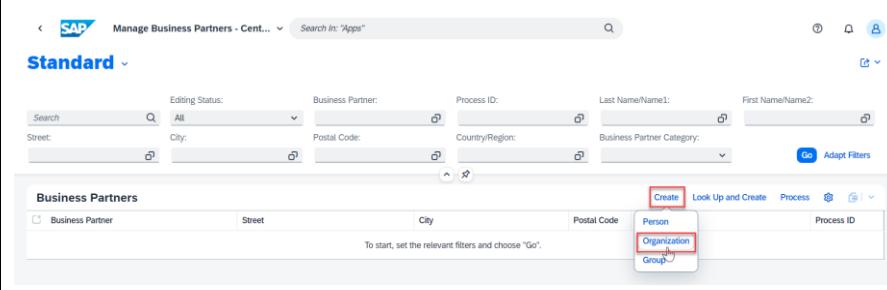
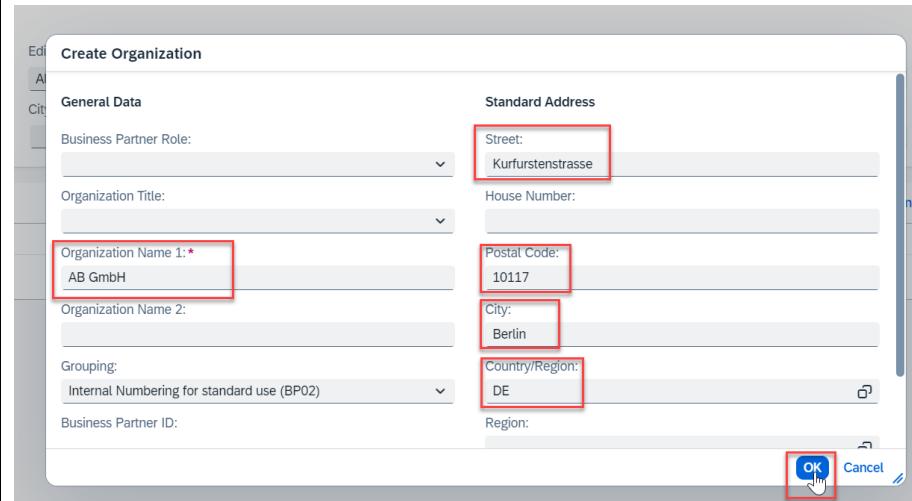
Explanation	Screenshot
11. Again, launch the app Validation Rules .	 The screenshot shows the SAP Fiori Launchpad. The "Business Partner Governance" app is highlighted with a red box. Other cards visible include "Import Master Data Business Partners" and "Manage Consolidation... Business Partners".
12. Click on the rule to display its details.	 The screenshot shows the "Validation Rules" list page. A single rule named "SEARCH_TERMS_EQUAL" is listed. The "Score" field shows a value of 100.0. The "Status" field indicates it is "Approved". The "Rule Owner" is listed as "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" rule. The "General Information" tab is selected. It shows the rule configuration: "Search terms must not be equal", "Base Table: General (BUT000)", and "Checked Field: Search term 1 (BUT000-BU_SORT1)". The "Evaluation" tab is also shown, displaying the evaluation results: "Score: 100.0", "Latest Evaluation: 10/23/2023, 21:29:12", "OK: 21", and "Not OK: 0". The "Status" is marked as "Approved".

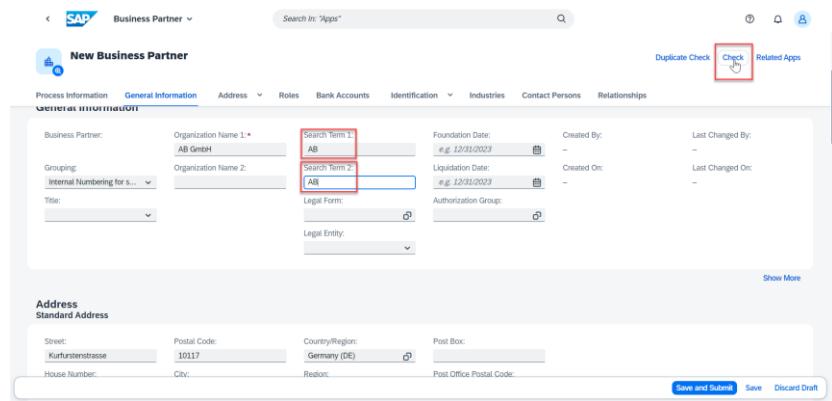
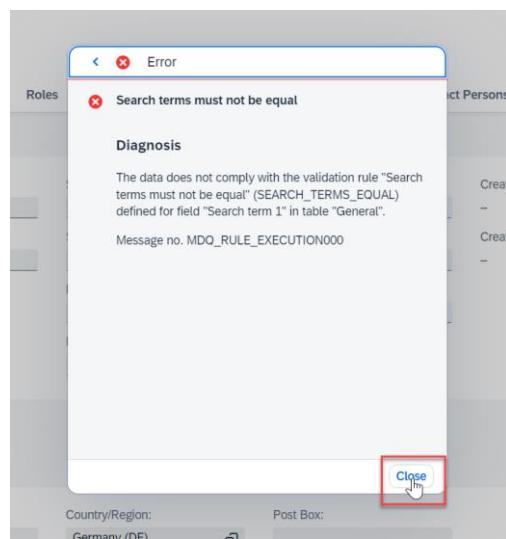
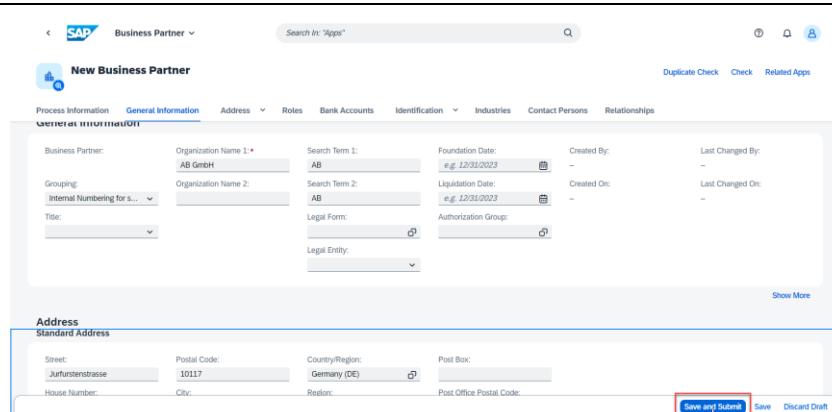


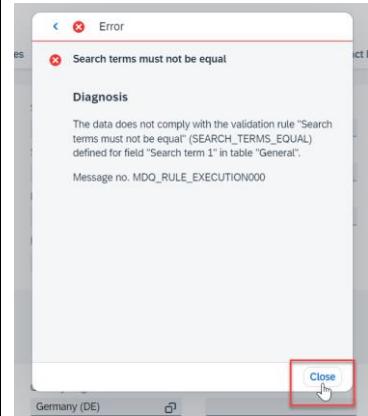
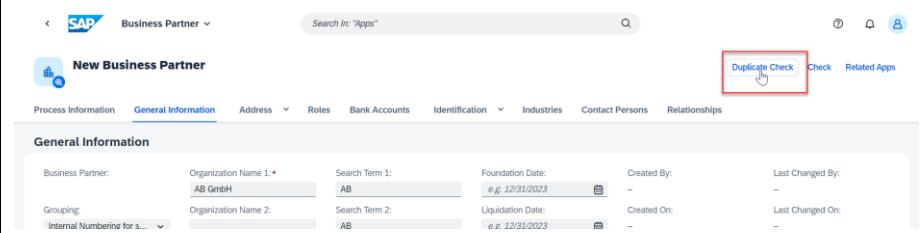
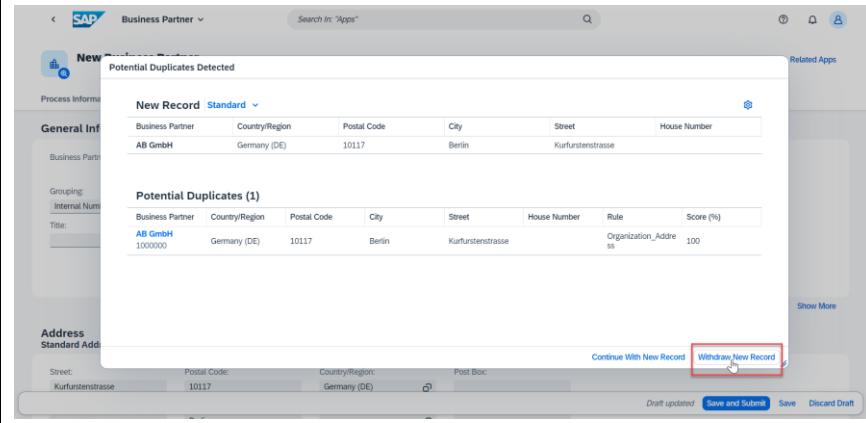
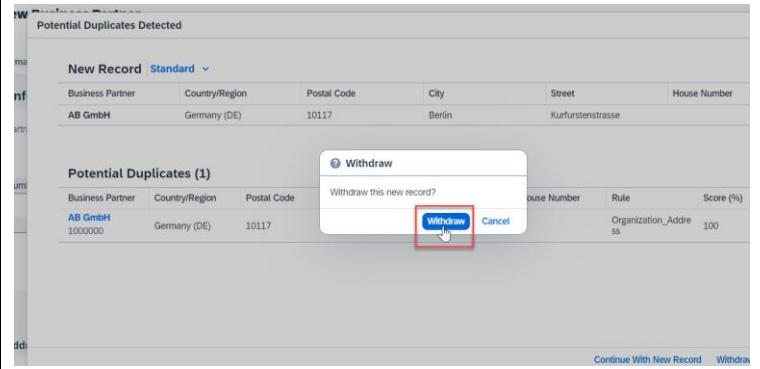
Step 8: See the effect of the rule in central governance

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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