Hands-On Experience on SAP Master Data Governance, cloud edition DAT162

Exercise 5
Data Quality Management

Sungmin Kim, Carsten Köhler, Andreas Seifried, Michael Veth / SAP SE



TABLE OF CONTENTS

BEFORE YOU START	3
Step 1: Examine validation rules	
Step 2: Analyze the evaluation results of the rule REGION_REQUIRED	
Step 3: Correct the errors found for rule REGION REQUIRED	16

This exercise is part of the SAP TechEd 2021 workshop *DAT162 Hands-On Experience on SAP Master Data Governance, cloud edition*. All workshop materials are available in the github.com repository <u>SAP-samples/teched2021-DAT162</u>.

BEFORE YOU START

You just need to have a subscription for the trial version of SAP Master Data Governance, cloud edition (MDG Cloud). The example data of your trial account is sufficient for this exercise. Further data that you created or modification of example data during previous exercises will influence the actual results that you see as part of this exercise.

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.

Please note that the standard version of MDG Cloud provides you with more capabilities than the trial version being used in this exercise. Most obviously, the standard version allows you to create and edit data quality rules, and to implement the rule in BRFplus. See the <u>Feature Comparison List for SAP Master Data Governance</u>, Cloud Edition on SAP help portal for all the differences.

The functionality in the trial version is limited because trial tenants share an instance of MDG Cloud to some extent. You will also notice this in some steps of this exercise, for example in the display of the evaluation results of a validation rule. The standard version of MDG Cloud is of course not affected by these limitations and offers complete tenant isolation and full functionality.

Estimated time: 60 minutes

Exercise Description

This exercise is split in 3 parts. It is required to perform each step after the other.

Step 1 - Examine validation rules

Launch the app *Display Validation Rules* and examine the example rules that are provided as part of your trial account. Please note that these are simple examples that were created for demonstration purposes. In the trial version you cannot edit these rules, examine their implementation in BRFplus or create new rules.

Step 2 – Analyze the evaluation results of the rule REGION REQUIRED

Navigate to the evaluation results of the rule *REGION_REQUIRED*. You can either click on the score of the rule to open the app *Evaluation Results* with a filter applied for the rule. Alternatively, you can launch the app *Evaluation Results* from the home page and manually filter for the rule.

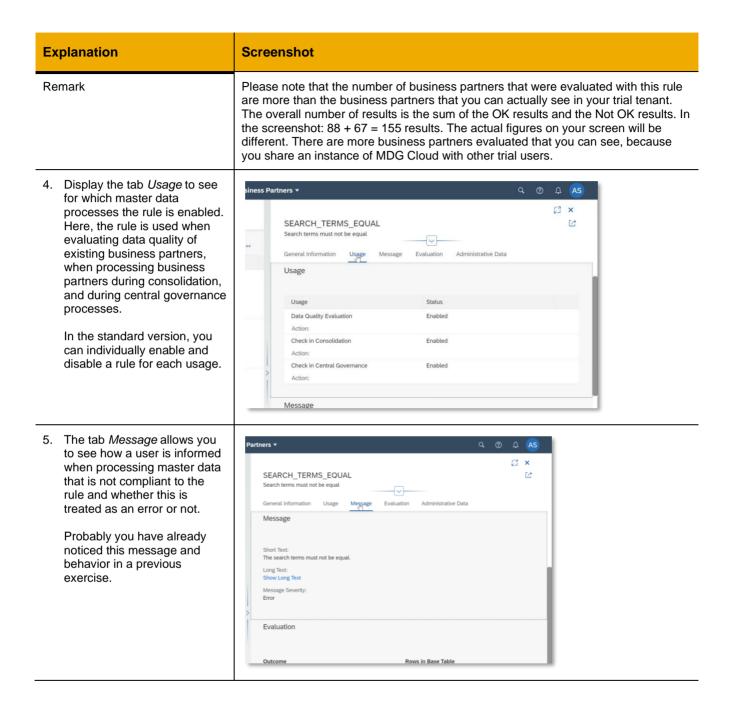
Step 3 - Correct the errors found for rule REGION REQUIRED

Either click on the business partner for which the rule evaluation results in an error, then choose *Manage Business Partners – Central Governance* to correct the business partner in a single request. Alternatively, you can select the erroneous business partner, plus further erroneous busines partners that you might have created as part of this workshop. Having the business partners selected, you can process all of them in a mass request for fixing the errors.

Instructions

Step 1: Examine validation rules

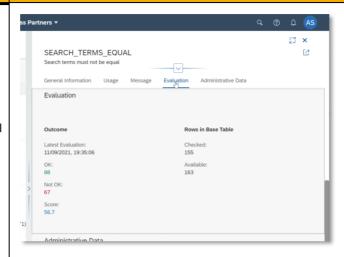
Explanation Screenshot 1. Launch the app Display Validation Rules from the home page. In the standard version of >>> [a ±0 MDG Cloud a different app is provided that allows also to edit and author validation rules. 2. There are 4 example rules < SAP Validation Rules for Business Partners ▼ that you can examine. Standard* V Please start with clicking on the rule Validation Rules (4) etails 🕲 📵 🗸 SEARCH_TERMS_EQUAL to display the rule's details. IRAN REQUIRED REGION_REQUIRED Region is required for a co Address (ADRC) SEARCH_TERMS_EQUAL Search term 1 (BUT000-BU_SORT1) General (BUT000) Search terms must not be equal General (BUT000) Title (BUT000-TITLE) This rule checks whether the contents of the fields Search Term 1 and Search Term 2 are equal. ion: 11/09/2021, 19:35:06 OK: 88 Not OK: 67 The header area displays the most important aspects of this rule, for example its name and description, or the last evaluation of this rule. The tab General Information provides you with further details.



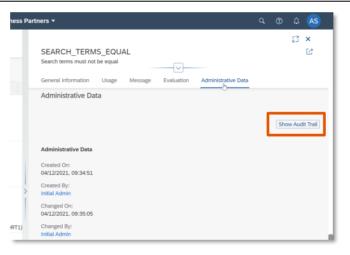
Screenshot

 In the tab Evaluation you can see the time of the last evaluation of this rule against all business partners in the system, as well as the results produced during this evaluation.

Again, these figures include all business partners in this shared instance of MDG Cloud.

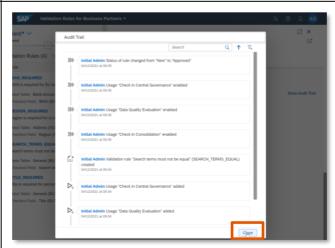


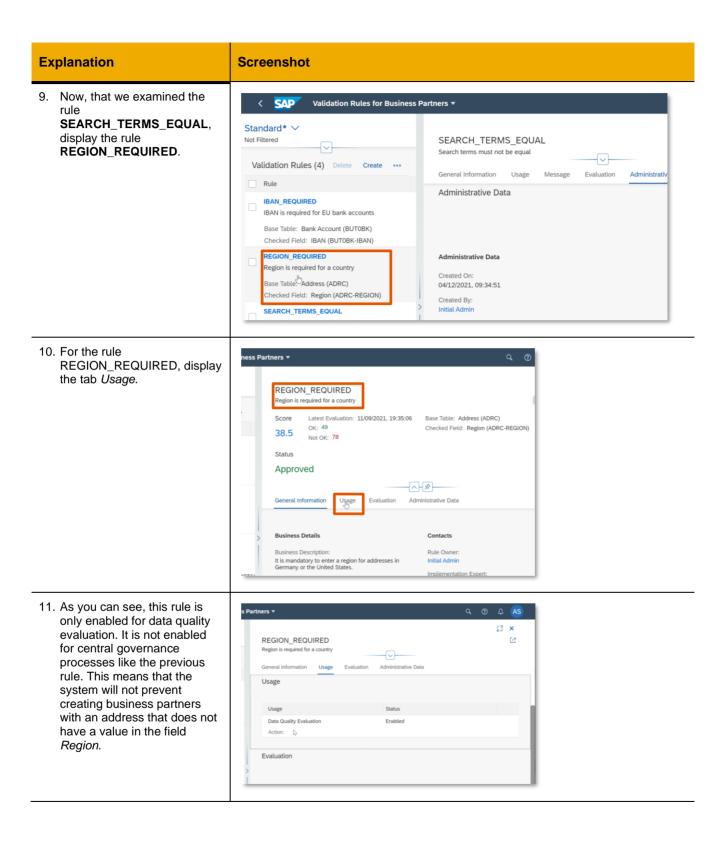
7. Information about life cycle events is provided in the tab *Administrative Data*. This includes also a detailed audit trail that you can display using the button *Show Audit Trail*.



8. The audit trail provides you with information on important life cycle events of the rule.

Press Close to continue.





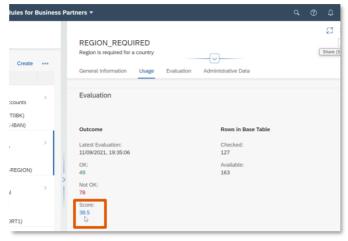
Explanation Screenshot

12. Choose the tab Evaluation.

Since the rule is enabled for data quality evaluation, the system produced results in the latest evaluation run.

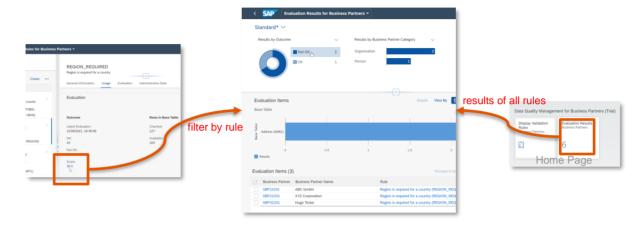
You can examine these results with the app Evaluation Results. You can launch this app by clicking on the score.

Please continue with the next step of the exercise.



Step 2: Analyze the evaluation results of the rule REGION REQUIRED

In the previous step you examined the validation rule REGION_REQUIRED. If you clicked on the score of the rule you will see the app Evaluation Results as depicted below. You can also open this app directly from the home page. In this case, the results are not filtered by rule and you can see all results of the latest data quality evaluation.



Remark:

The *Display Validation Rules* app displays the aggregated number of results (OK & Not OK) of the rule for all business partners in the shared instance of MDG Cloud that you are using.

Since the app *Evaluation Results* displays the results of individual business partners, it considers the authorizations of your user accordingly: you will only see the results of those business partners that belong to your particular trial tenant in the shared instance.

This is the reason why you see different numbers in both apps.

In the standard version of MDG Cloud you can restrict the access of users to business partners in multiple ways. These restrictions are considered by the app *Evaluation Results*, while a user with authorization to display validation rules can see the aggregated results of a rule evaluation.

Explanation Screenshot 1. At the end of the previous step, you have launched the app Evaluation Results and display the results of the rule REGION_REQUIRED. With the initial example data, there are 2 business partners with an error for this rule and 1 business partner that complies with the rule. You might see different results depending how you changed the data in previous exercises. In the visual filter bar, at the top of the screen, click on Not OK to display only those

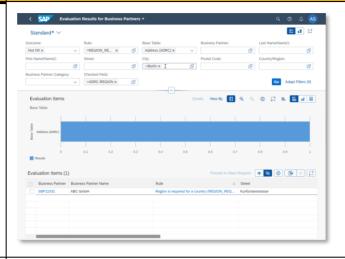
Explanation	Screenshot
business partners that are erroneous according to the rule.	

Explanation Screenshot 2. Press Go to apply the filter to the displayed evaluation items. 3. You can also use further filters. Click on the Compact Filter icon. 4. A selection of further filters is displayed. For example, you could use a filter on City to display only evaluation items for business partners with a standard address in *Berlin*. Remark: You need to press *Go* or the <ENTER> key to apply the filter.

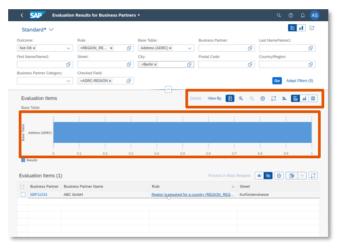
Screenshot

5. The app updates the display according to your filter criteria.

In this example only one evaluation item remains, meaning the result of the rule REGION_REQUIRED being applied to the business partner SBP11031.

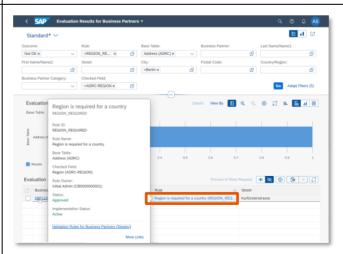


6. This app can be used to analyze data quality in several dimensions. It offers many features to filter interactively. You can use different charts in the middle section for visualization. Furthermore, you can use these charts to filter the evaluation items displayed in the table in the lower section of the screen. Selecting an element of a chart applies the respective values as filters.



 This app can also be used by data owners to correct the data for which the are responsible for. In such cases, a user can choose the rule to display information on the rule.

The quick view of the rule informs you about the most important aspects of a rule when correcting data. You can also navigate to the app *Validation Rules* to display all rule information.



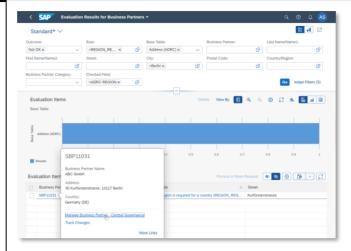
Screenshot

8. In case you want to see more information on the affected business partner, you can click on the respective ID.

The quick view allows you to navigate to the app *Manage Business Partners*. In this app you can correct the business partner, like you have seen it in the exercise on central governance.

The quick view also offers you to navigate to other apps for which you are authorized.

The next part of this exercise shows you how to correct data.



Step 3: Correct the errors found for rule REGION_REQUIRED

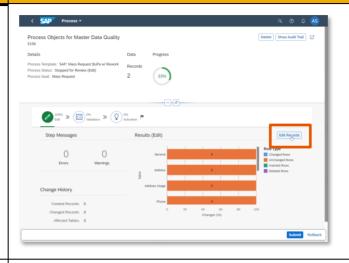
In the previous step you have found all erroneous business partners that do not comply with the rule REGION_REQUIRED and you filtered for the business partners that are in your interest. In this part, you correct these business partners.

Explanation Screenshot 1. The previous part ended with displaying a selection of business partners that are erroneous according to rule REGION_REQUIRED. In case you want to see more information on an affected business partner, you can click on the respective ID. The quick view allows you to navigate to the app Manage Business Partners. In this app you can correct the business partner, like you have seen it in the exercise on central governance. Since you have seen this already, we will not follow this path in this exercise. 2. Alternatively, and in case you want to correct multiple business partners in a mass process, proceed as follows: Evaluation Items (2) Process in Mass Request 💿 🔯 📵 🕩 🖸 Business Partner Business Partner Name Select all relevant evaluation SBP11031 ARC GmbH items. SBP31031 Hugo Tester Note that you can also perform these steps if there is only one evaluation item left in your particular case. 3. Then press Process in Mass Request. for a country (REGION REQ.,

Screenshot

 The system will create a mass request that contains all relevant business partners.

From here you can use all capabilities of mass processing by pressing *Edit Records*.



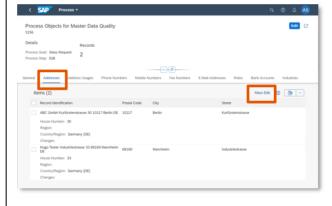
 If useful in a particular case, mass edit can be used to quickly fix the contents of a field of several business partners.

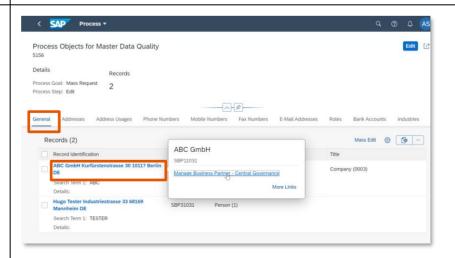
You have seen how to perform this task as part of the exercise on mass processing.

Of course, this is not useful in this particular example with cities being in different regions in Germany.

Since you have seen this already, we will not follow this path in this exercise.

 Additionally, you can navigate to the single processing UI from the tab General.

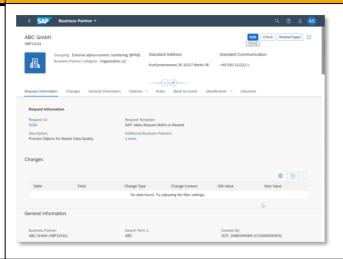




Screenshot

7. The single processing UI allows you to correct the chosen business partner as part of the mass process.

You have seen this as part of the exercise on central governance.

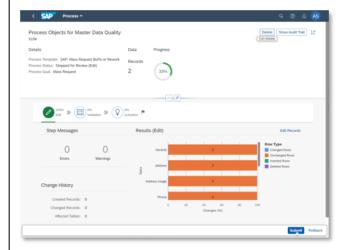


8. In real life you would now correct all errors.

Feel free to do so or to skip this.

Once done, you return to the mass process that was created for the correction process. Then submit the request.

The remainder of the process is like you have already seen it in the exercise on mass processing.



www.sap.com/contactsap

© 2021 SAP SE or an SAP affiliate company. All rights reserved.

No part of this publication may be reproduced or transmitted in any form or for any purpose without the express permission of SAP SE or an SAP affiliate company.

The information contained herein may be changed without prior notice. Some software products marketed by SAP SE and its distributors contain proprietary software components of other software vendors. National product specifications may vary.

These materials are provided by SAP SE or an SAP affiliate company for informational purposes only, without representation or warranty of any kind, and SAP or its affiliated companies shall not be liable for errors or omissions with respect to the materials. The only warranties for SAP or SAP affiliate company products and services are those that are set forth in the express warranty statements accompanying such products and services, if any. Nothing herein should be construed as constituting an additional warranty.

constituting an additional warranty.

In particular, SAP SE or its affiliated companies have no obligation to pursue any course of business outlined in this document or any related presentation, or to develop or release any functionality mentioned therein. This document, or any related presentation, and SAP SE's or its affiliated companies strategy and possible future developments, products, and/or platforms, directions, and functionality are all subject to change and may be changed by SAP SE is affiliated companies at any time for any reason without notice. The information in this document is not a commitment, promise, or legal obligation to deliver any material, code, or functionality. All forward-looking statements are subject to various risks and uncertainties that could cause actual results to differ materially from expectations. Readers are cautioned not to place undue reliance on these forward-looking statements, and they should not be relied upon in making purchasing decisions.

SAP and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP SE (or an SAP affiliate company) in Germany and other countries. All other product and service names mentioned are the trademarks of their respective companies.

See $\underline{\text{https://www.sap.com/copyright}} \text{ for additional trademark information and notices.}$

