



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

Exercise 3 Consolidation

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

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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 [SAP-samples/teched2021-DAT162](https://github.com/SAP-samples/teched2021-DAT162).

BEFORE YOU START

In **exercise 1** you have subscribed to SAP Master Data Governance, cloud edition. With that you can access the Fiori launchpad with all required Fiori apps.

Objective of this Exercise

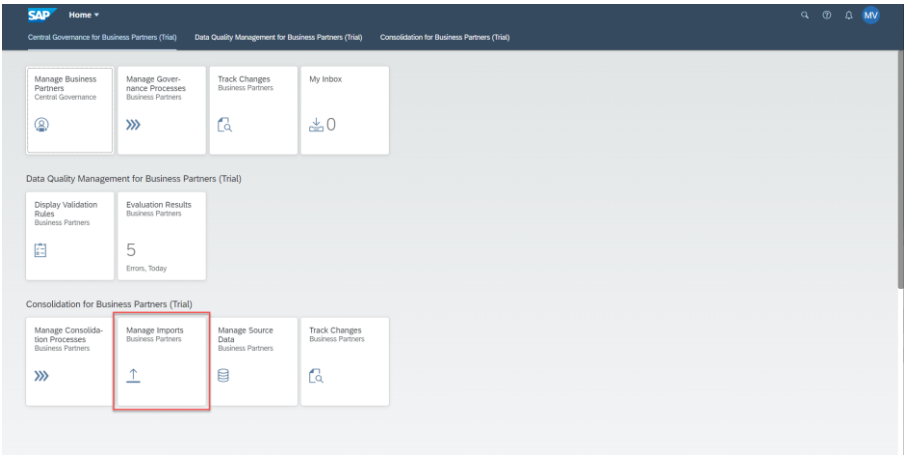
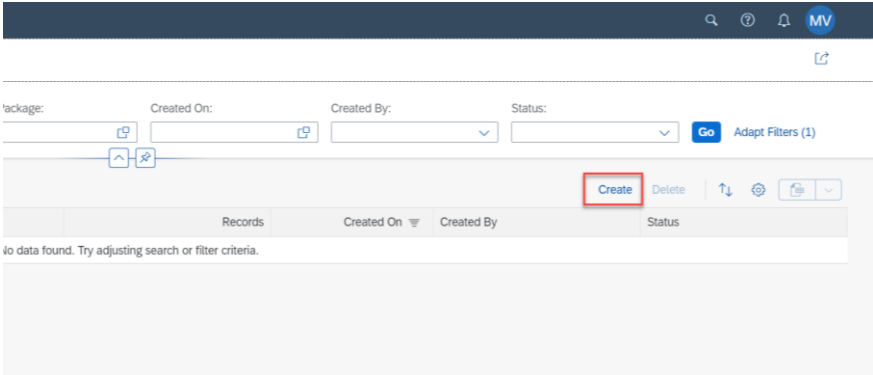
In this exercise, you will learn the basics for working with the consolidation capabilities of SAP Master Data Governance, cloud edition. You will start with the import of source data in spreadsheet format and the creation of a consolidation process. Then you will examine the results of each process step. Furthermore, you will learn how to use the match review to understand the result of matching and how to work with match groups and the result of the best record calculation.

Estimated time: 20 minutes

Instructions

Step 1: Import Spreadsheet File

You have some customer data with addresses and phone numbers in a spreadsheet file. You can upload this file into the system using the *Import Fiori App*.

Explanation	Screenshot
1. Open the Fiori app Manage Imports	
2. Click on Create to create a new import of the data.	

3. Maintain Source System field.

Important:
Input the same value as shown in the field **Data Package**!!

The screenshot shows the 'SAP Import - New Import' screen. The 'Source System' field is set to '1033' and the 'Data Package' field is also set to '1033'. A red arrow points to the 'Source System' field. The 'Import without Source System' checkbox is unchecked. The 'File' section shows an 'Uploaded File' area with an 'Upload' button.

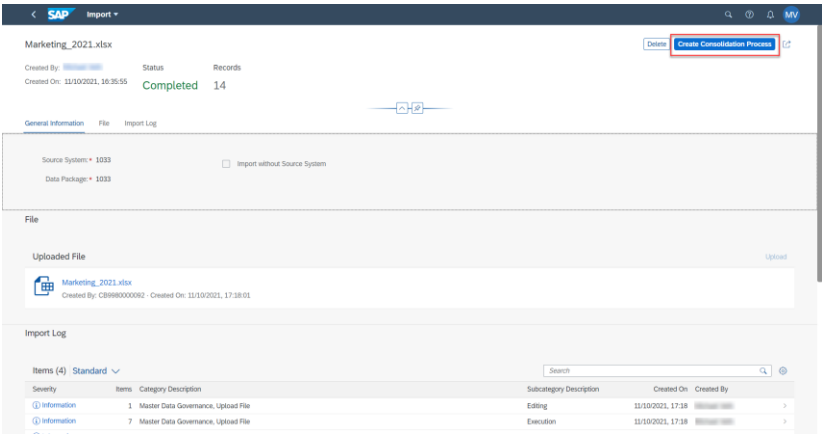
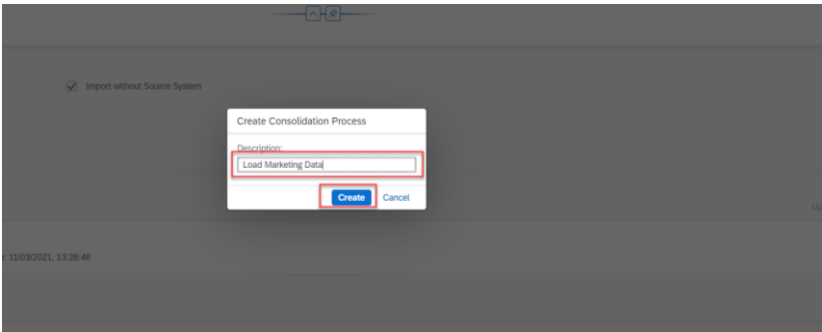
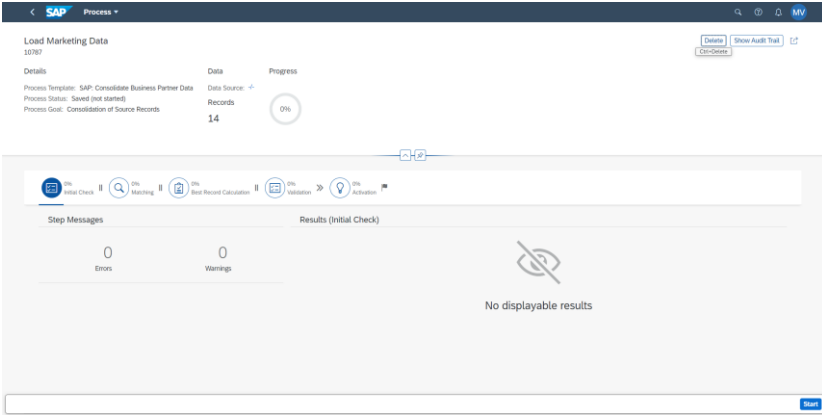
4. Click on **Upload** and select the spreadsheet file, which you have downloaded from GitHub, **Marketing_2021.xlsx**

After that click on **Open**.

The screenshot shows the 'SAP Import - New Import' screen with a file selection dialog open. The file 'Marketing_2021.xlsx' is selected. A red arrow points to the 'Open' button. The 'Upload' button on the main screen is also highlighted with a red box.

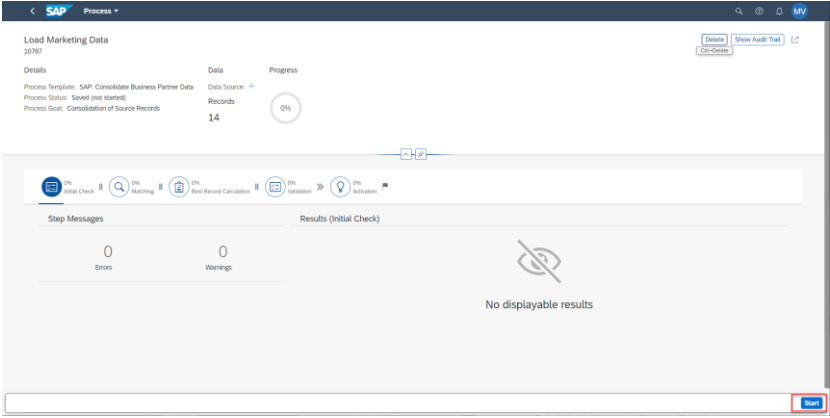
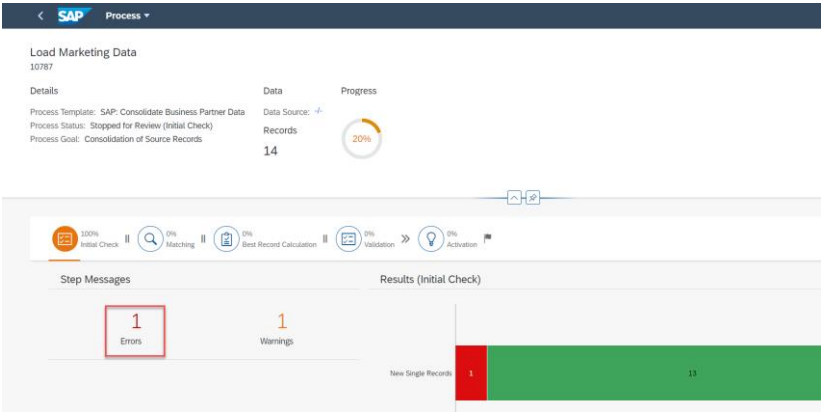
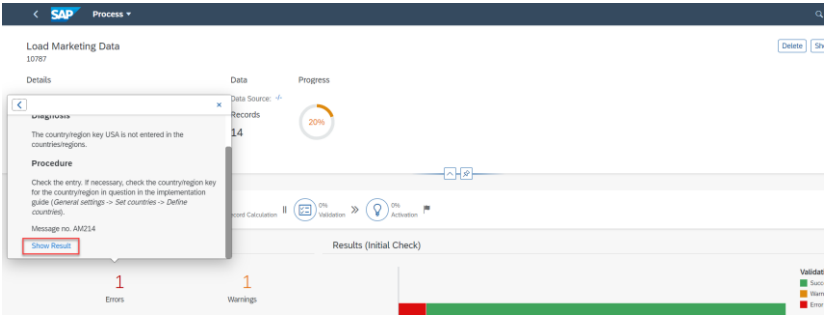
5. Click on **Create** to start the import process.

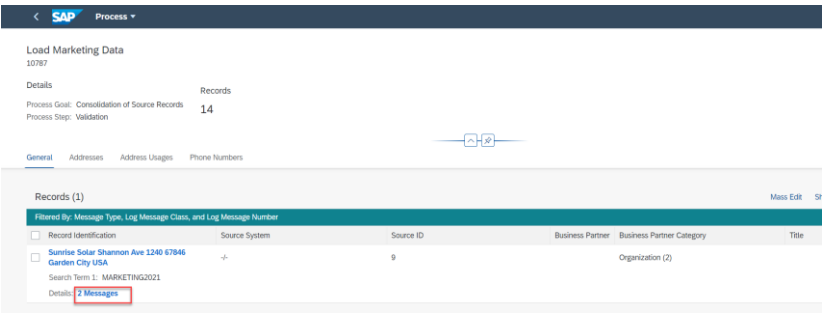
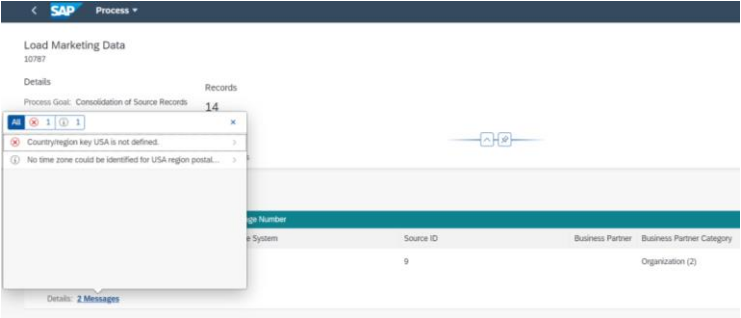
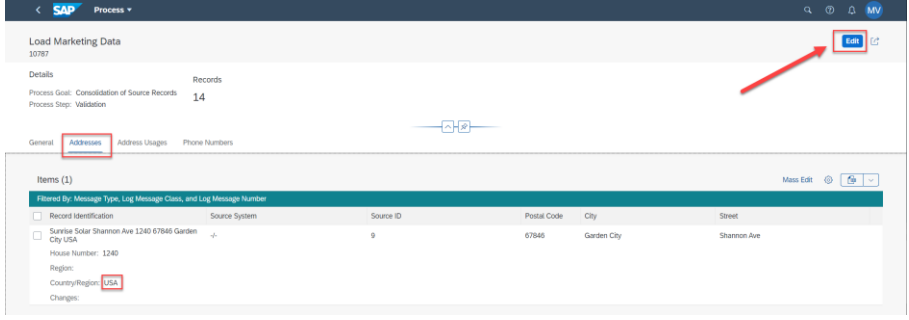
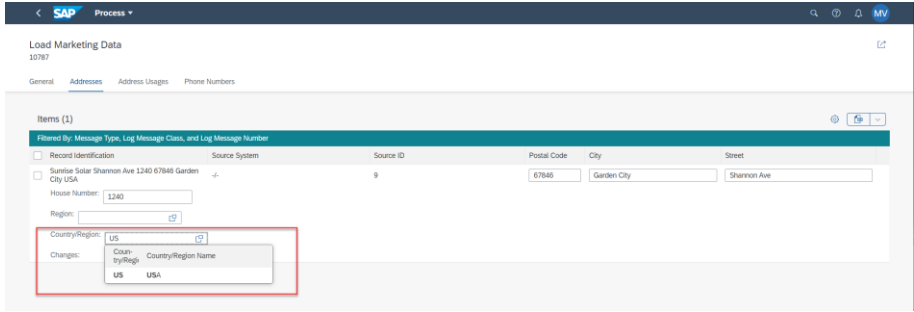
The screenshot shows the 'SAP Import - Marketing_2021.xlsx' screen. The 'Source System' and 'Data Package' fields are both set to '1033'. The 'Uploaded File' section shows the file 'Marketing_2021.xlsx' with a 'Download' button. The 'Import Log' section is empty. The 'Create' button is highlighted with a red box.

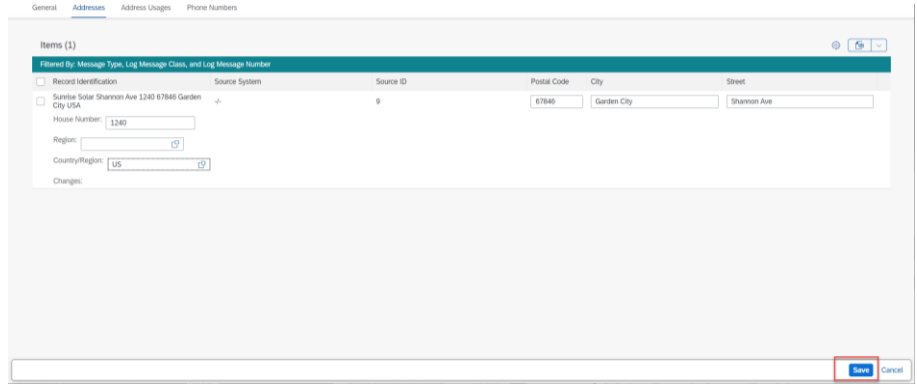
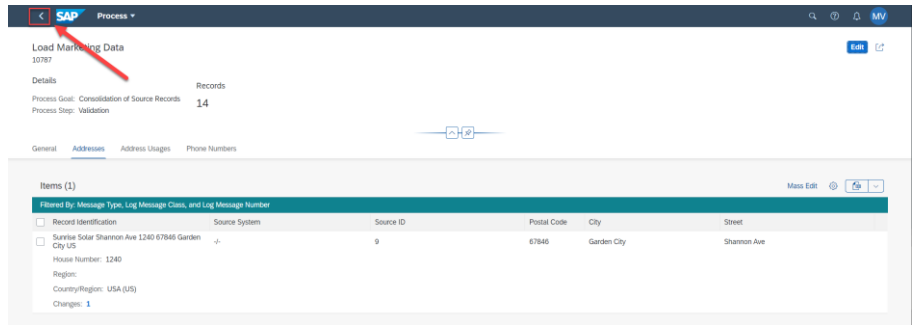
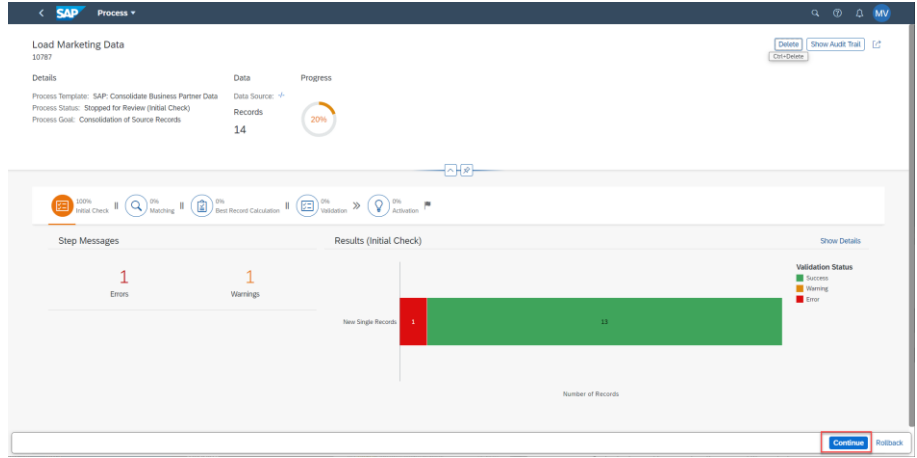
<p>6. Wait until the import has been finished and click on Create Consolidation Process.</p>	
<p>7. Input a description and click on Create.</p>	
<p>8. The spreadsheet file has been imported and a consolidation process has been created.</p>	

Step 2: Run Consolidation Process

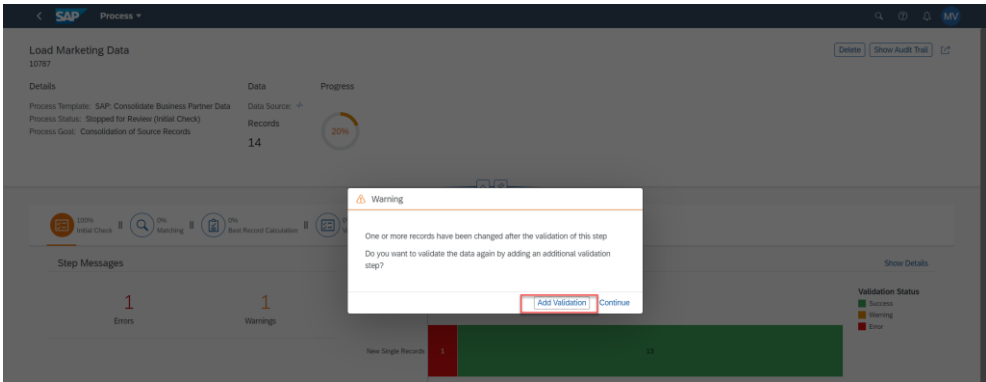
After importing the data from a spreadsheet file, you start a consolidation process. After an initial check you make some manual changes, before you run the matching step to identify duplicates. After a match review the best record calculation will merge the data of a match group. The validation and activation step will bring the loaded data into the system. After finalizing the process, you are able to check all actions inside this process using the audit trail functionality.

Explanation	Screenshot
1. Click on Start to run the consolidation process.	
2. The first step <i>Initial Check</i> has been finished and raises an error. Check this error by clicking on the number of errors .	
3. The system reports about a wrong country code. Scroll down in the popup window and click on Show Result to navigate to the affected record.	

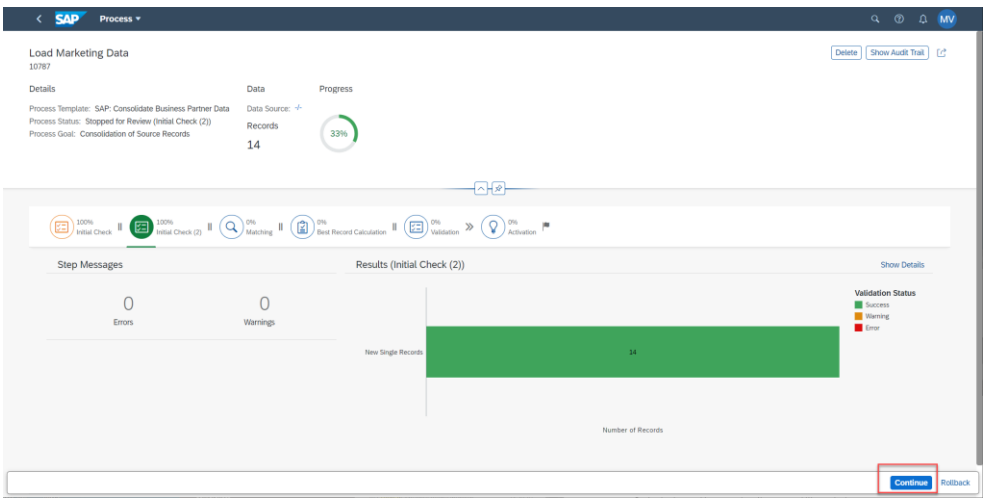
<p>4. The system shows the affected record. You can click on the 2 Messages link to show the detailed message information.</p>	
<p>5. The error message is shown. The country key USA is not defined. Close the popup and navigate to the address tab.</p>	
<p>6. To correct the wrong country key, click on Edit.</p>	
<p>7. Input US and the system shows a suggestion. Accept US as country key.</p>	

<p>8. Click on Save.</p>	 <p>The screenshot shows the SAP Address Usage screen. At the top, there are tabs: General, Addresses, Address Usages, and Phone Numbers. The 'Addresses' tab is selected. Below the tabs, there is a table with the following columns: Record Identification, Source System, Source ID, Postal Code, City, and Street. The table contains one record with the following data: Record Identification: 1240, Source System: Sunrise Solar Shannon Ave 1240 67846 Garden City USA, Source ID: 9, Postal Code: 67846, City: Garden City, Street: Shannon Ave. Below the table, there are fields for Region (USA) and Country/Region (US). At the bottom right, there is a 'Save' button highlighted with a red box.</p>
<p>9. Click on the back icon to navigate back to the process UI.</p>	 <p>The screenshot shows the SAP Process UI. At the top, there is a navigation bar with a back icon (a left-pointing arrow) highlighted with a red arrow. Below the navigation bar, there is a section titled 'Load Marketing Data' with a sub-section 'Details'. The 'Details' section shows 'Process Goal: Consolidation of Source Records' and 'Records: 14'. Below the details, there is a table with the same columns as in the previous screenshot. At the bottom right, there is a 'Continue' button highlighted with a red box.</p>
<p>10. Click on Continue to run the next step.</p>	 <p>The screenshot shows the SAP Process UI. At the top, there is a navigation bar with a back icon. Below the navigation bar, there is a section titled 'Load Marketing Data' with a sub-section 'Details'. The 'Details' section shows 'Process Template: SAP: Consolidate Business Partner Data', 'Process Status: Stopped for Review (Initial Check)', and 'Process Goal: Consolidation of Source Records'. Below the details, there is a progress bar showing '20%' completion. Below the progress bar, there is a table with the following columns: Step Messages, Results (Initial Check), and Validation Status. The table contains one record with the following data: Step Messages: 1 Errors, 1 Warnings, Results (Initial Check): 1 New Single Records, 13 Number of Records, Validation Status: Success. At the bottom right, there is a 'Continue' button highlighted with a red box.</p>

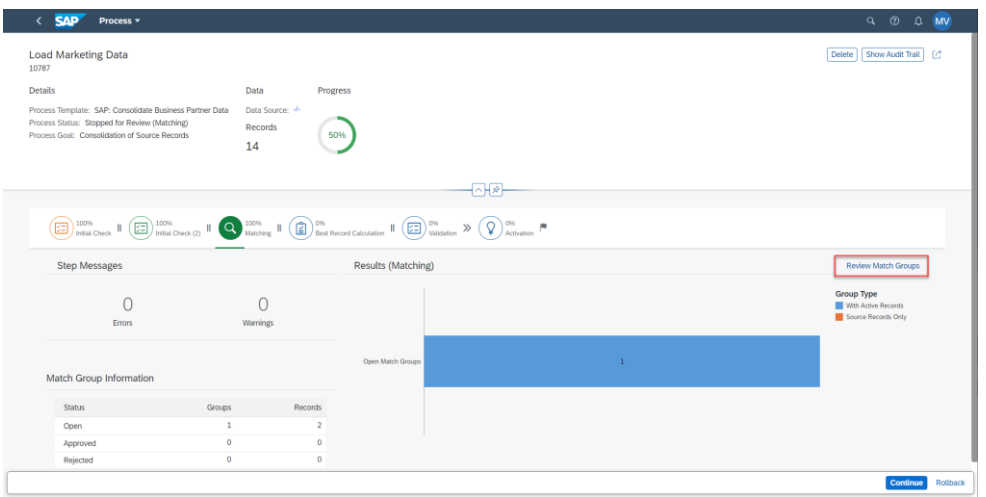
11. The system identified manual changes and proposes to validate again.
Click on **Add Validation**.

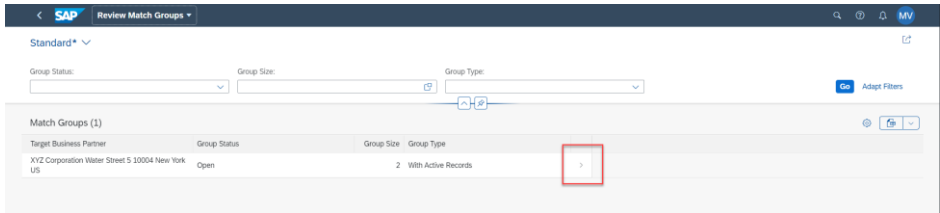

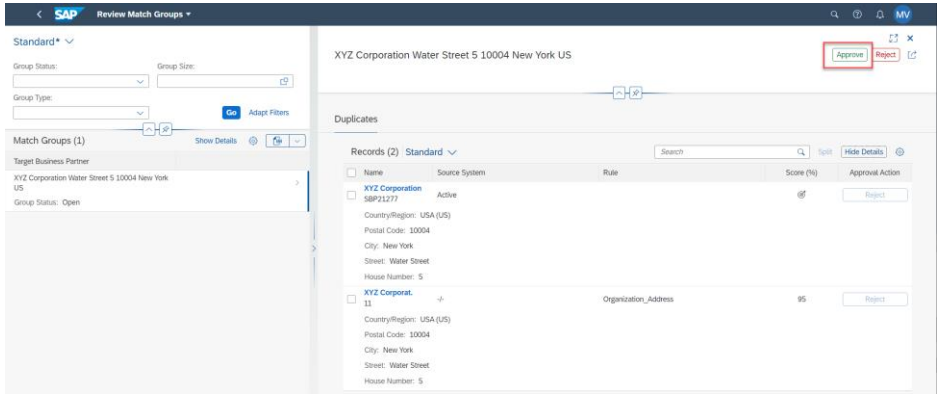
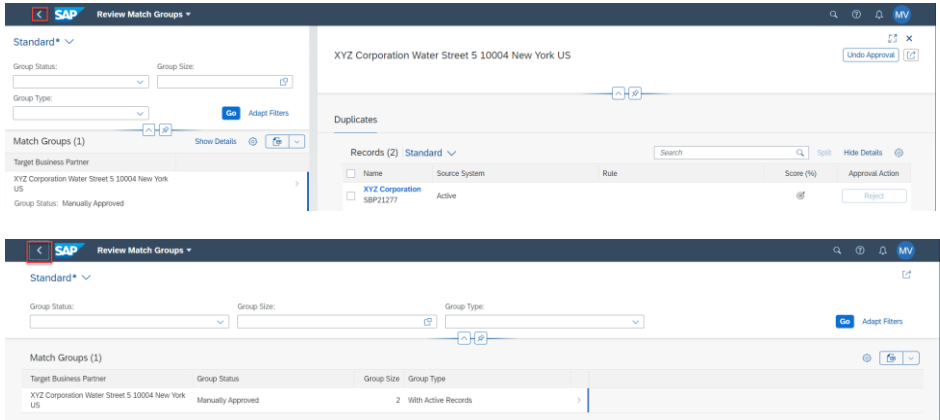


12. The error could be corrected, and the additional validation step has been run successfully.
Click on **Continue**.

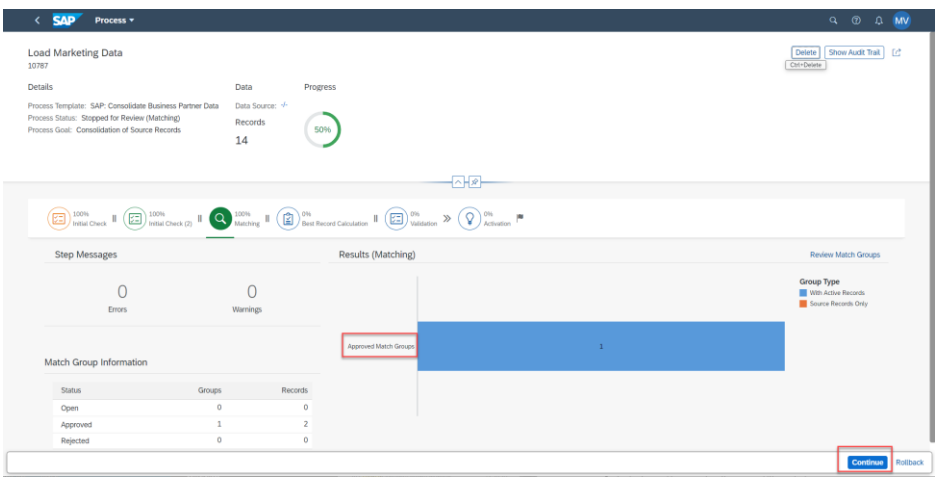


13. In the matching step the system detected a potential duplicate.
Click on **Review Match Groups** to review the match result.

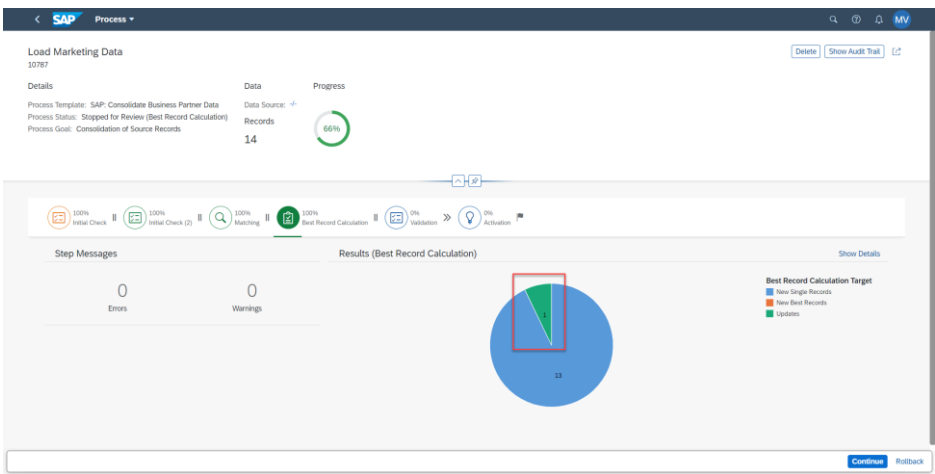


14. The system shows a match group. Select this match group.	
15. You can compare the potential duplicates. Click on Show Details to show all attributes.	
16. It seems to be a real duplicate. Click on Approve to confirm this match group.	
17. Click two times on the back icon to navigate back to the process UI.	

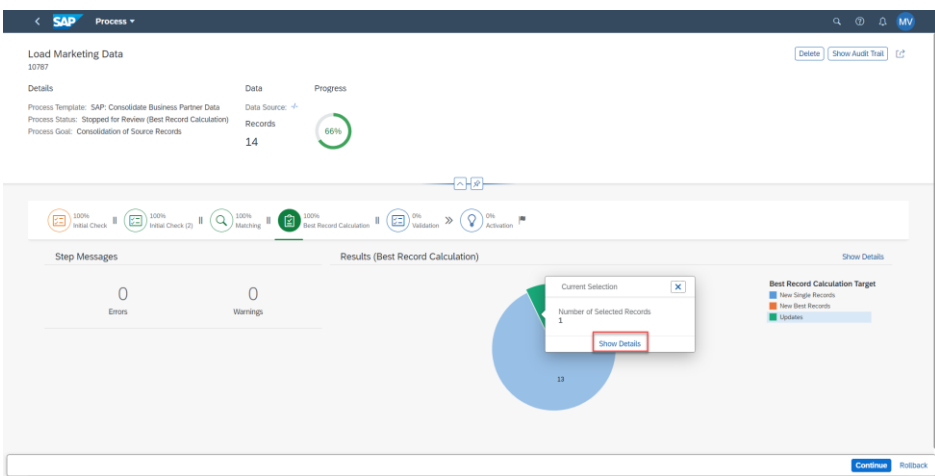
18. Now you see that the match group has been approved. This will lead to a merge of the records in this match group.
Click on **Continue** to merge the data in the best record calculation.



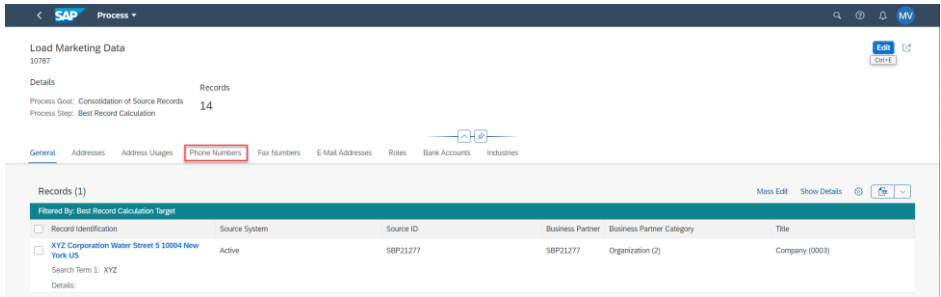
19. You see the one record, which will be handled as update in the best record calculation.
Click on the **Updates** segment in the chart.



20. Click on **Show Details** to display the data.



21. Click on **Phone Numbers** to check the phone data.



Load Marketing Data
10787

Details
Records: 14
Process Goal: Consolidation of Source Records
Process Step: Best Record Calculation

General | Addresses | Address Usages | **Phone Numbers** | Fax Numbers | E-Mail Addresses | Roles | Bank Accounts | Industries

Records (1)

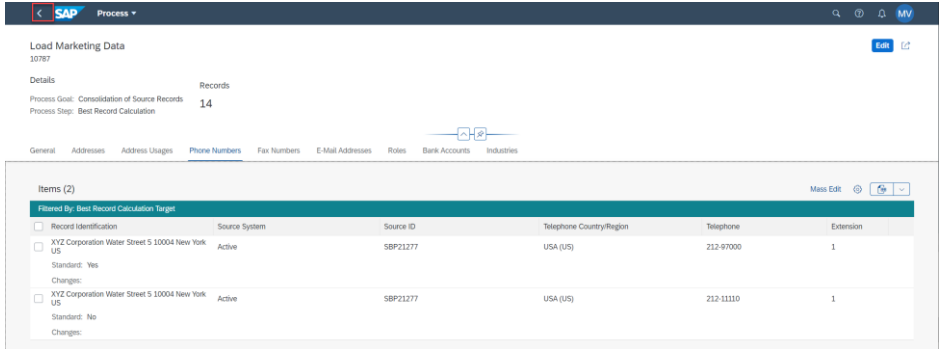
Filtered By: Best Record Calculation Target

Record Identification	Source System	Source ID	Business Partner	Business Partner Category	Title
<input type="checkbox"/> XYZ Corporation Water Street 5 10004 New York US	Active	SBP21277	SBP21277	Organization (2)	Company (0003)

Search Term 1: XYZ

Details:

22. You see two phone numbers. One was already existing in the active record, the other one has been merged from the loaded data. Click on the **back icon** to navigate back.



Load Marketing Data
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Details
Records: 14
Process Goal: Consolidation of Source Records
Process Step: Best Record Calculation

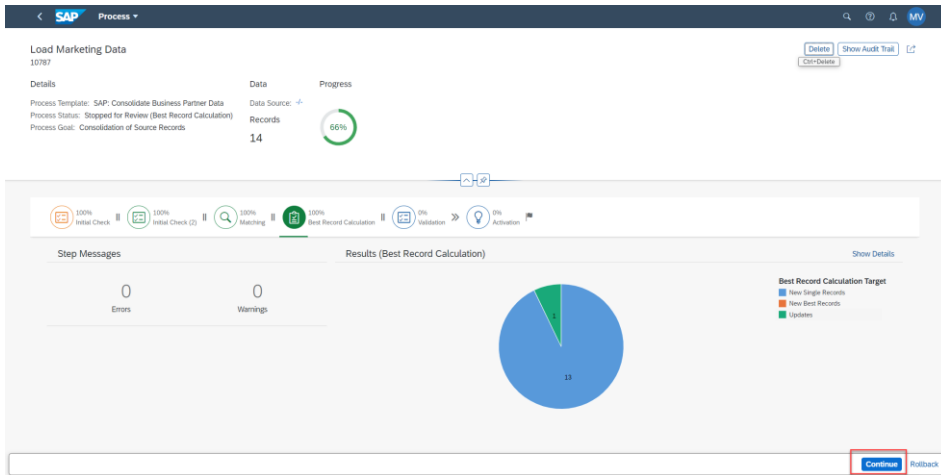
General | Addresses | Address Usages | **Phone Numbers** | Fax Numbers | E-Mail Addresses | Roles | Bank Accounts | Industries

Items (2)

Filtered By: Best Record Calculation Target

Record Identification	Source System	Source ID	Telephone Country/Region	Telephone	Extension
<input type="checkbox"/> XYZ Corporation Water Street 5 10004 New York US	Active	SBP21277	USA (US)	212-97000	1
Changes:					
<input type="checkbox"/> XYZ Corporation Water Street 5 10004 New York US	Active	SBP21277	USA (US)	212-11110	1
Changes:					

23. Click on **Continue** to validate and activate the data of this process.



Load Marketing Data
10787

Details
Process Template: SAP: Consolidate Business Partner Data
Process Status: Stopped for Review (Best Record Calculation)
Process Goal: Consolidation of Source Records

Data
Data Source: +
Records: 14

Progress
66%

100% Initial Check | 100% Initial Check (2) | 100% Matching | 100% Best Record Calculation | 0% Validation | 0% Activation

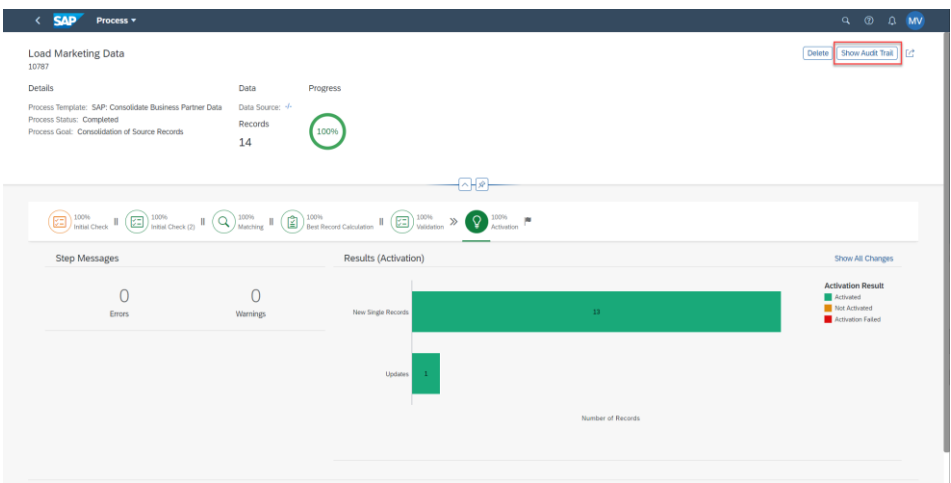
Step Messages
Errors: 0 | Warnings: 0

Results (Best Record Calculation)

Best Record Calculation Target
13 New Single Records
0 New Best Records
0 Updates

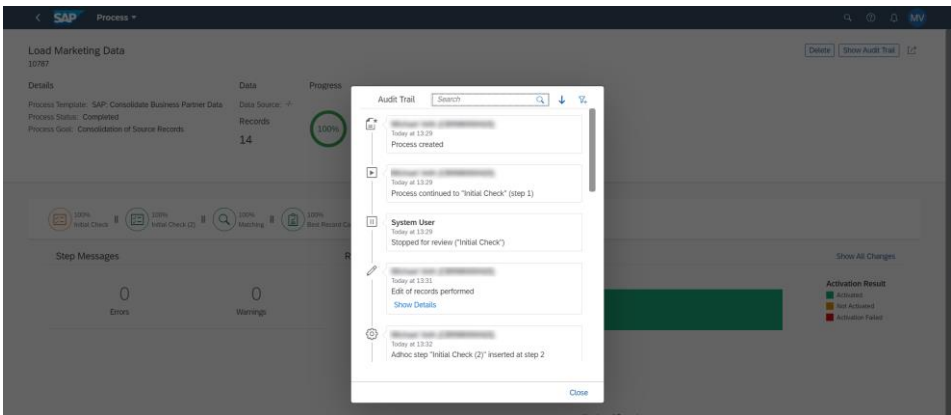
Continue Rollback

24. The data has been activated successfully. Click on **Audit Trail** to check all actions of this consolidation process.



25. You see all relevant actions.

Congratulations! You finalized a consolidation process in SAP Master Data Governance, cloud edition.



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THE BEST RUN

