



Public

## **Frequently Asked Questions**

File Handling on SAP S/4HANA and SAP S/4HANA Cloud

Valid for the following Fiori apps:

- Mass Maintenance (F2505)
- Master Data Governance, Mass Processing (F1686A)
- Master Data Governance, Consolidation (F1047A)

September 2021

# TABLE OF CONTENTS

TIPS & TRICKS.....	3
KNOWN ISSUES.....	5

TIPS & TRICKS

**Q How can I add additional data to existing business partners or products (For example, new dunning data, additional descriptions, or additional plants for products)?**

A In the mass maintenance or mass processing apps (F2505 and F1686A) it is possible to add additional data for existing records. You can use the file upload capabilities of these SAP Fiori apps. To add additional rows in the uploaded spreadsheet you can use the column `_ACTION_CODE` to add or delete entries. To make things simpler, you should use the *Export Master Data* app to download a file with the records you want to change. The column `_ACTION_CODE` is already part of this file (hidden column B in all dependent tables).

	B	C	D	E	G	H
	<i>_ACTION_CODE</i>	Source ID	Language Key	Material Description		
1						
2	<b>_ACTION_CODE</b>	<b>SOURCE_ID</b>	<b>SPRAS</b>	<b>MAKTX</b>		
3		ZMVCLASS1	E	ZMVCLASS1		
4		ZMVCLASS2	E	ZMVCLASS2		
5		ZMVCLASS3	E	ZMVCLASS1		
6		ZMVCLASS4	E	ZMVCLASS1		
7		ZMVCLASS4	D	ZMVCLASS 4 Deutsch		
8						

See this blog for more details and best practices (written for the On-Premise version): [https://blogs.sap.com/2019/07/26/sap-mdg-mass-processing-extend-feature-action\\_code/](https://blogs.sap.com/2019/07/26/sap-mdg-mass-processing-extend-feature-action_code/)

It is also possible to insert more than one entry for the same key. But in some cases there are some dependencies, which could lead to errors.

Example: You want to insert more than one partner function in table KNVP or WYT3 for the same customer/vendor. If you have problems, please split the file into two files with separated partner functions and upload this data in several steps.

**Q How can I load a high volume of data?**

A In general you can use the Import Master Data app using Office Open XML files (For example, created by Microsoft Excel). But this data format has high memory usage when parsing the data on the application server. Depending on the records (specifically, the number of included tables in each record), you should not upload more than 5.000 records in one file. You can split the data into separate files and/or use the compressed CSV file format to save memory. For data migration scenarios you should use ETL tools to fill the source tables directly on database level.

<b>Q</b>	<b>How can I change a field, that is not selectable as a scope field?</b>
A	<p>For Mass Maintenance not all fields can be selected into the scope. SAP chose fields based on best practice and some technical restrictions. If you are sure, that there are no issues expected in changing such a field, you can use the following workaround:</p> <ol style="list-style-type: none"> <li>1.) Use the Export Master Data App to export the relevant records into a spreadsheet file <ol style="list-style-type: none"> <li>a. Add your fields into the export scope</li> <li>b. Select any other field from the same table (or other table) into the export scope, which can be selected as scope in the Mass Maintenance App</li> <li>c. Select the records you want to change</li> <li>d. Export to a file</li> <li>e. Make the relevant changes in the file</li> </ol> </li> <li>2.) Start a new Mass Maintenance or Mass Processing process <ol style="list-style-type: none"> <li>a. Use the File Upload option in the start screen</li> <li>b. Upload the exported file</li> <li>c. In the Scope step you will find the additional field(s) you selected, but not fields that are not allowed for the scope</li> <li>d. Run the process</li> <li>e. After activation the system will apply all data you have (including the changed values from your field(s), even they were not part of the scope)</li> </ol> </li> </ol>

<b>Q</b>	<b>Is there another option to define the data to be changed, instead of exporting the complete list of records and table rows?</b>
A	<p>As of SAP S/4HANA 1809 we provide the feature <b>Dynamic File Upload</b>. This allows you to define the data to be changed using a special syntax in the upload file.</p> <p>Example: <i>Select all business partner in Germany and assign a new role.</i></p> <p>You can find examples and the complete documentation here:  <a href="https://help.sap.com/viewer/6d52de87aa0d4fb6a90924720a5b0549/1809.latest/en-US/b88b952ac8d441e4adfffb255b55aa7a.html">https://help.sap.com/viewer/6d52de87aa0d4fb6a90924720a5b0549/1809.latest/en-US/b88b952ac8d441e4adfffb255b55aa7a.html</a></p>

## KNOWN ISSUES

### Q Some changes in the file are not considered when running a mass change

A This could happen in the following situations:

- 1.) You tried to add additional table rows to an existing record. In this case you have to use the column `_ACTION_CODE` with value I to insert a new row (see FAQ topic in section **Tips&Tricks**)
- 2.) You tried to change a key field. In this case you have to delete and insert a new row (For example, if you want to change the ID number for an existing business partner)

	B	C	D	E	F	G
	<code>_ACTION_CODE</code>	<code>SOURCE_ID</code>	<code>TYPE</code>	<code>IDNUMBER</code>	<code>INSTITUTE</code>	
3	D	0000001773	BUP001	2112344		
4	I	0000001773	BUP001	2112345		

### Q Errors due to invalid source IDs

A

The system expects, for some fields, the format stored in the database, for example, leading zeros for numeric business partner IDs or product IDs. If you skip these leading zeros, the records are not identified correctly.

This issue could happen, if you try to open and edit a CSV file in Microsoft Excel. This may lead to a deletion of the leading zeros.

	B	C	D
	<code>SOURCE_ID</code>	<code>BISMT</code>	
3	000000000000000000312	1829091	
4	000000000000000000412	299034	
5	Wrong format 128	0888291	

Solution: Use always text format for your files and check for all IDs, if they have missing leading zeros.

### Q I want to change decimal values using file upload and get errors or warnings (For example, rounding problems, to many decimal places)

A You should always use `.` as a decimal separator. When using Microsoft Excel to modify the data, it could happen, that the data in the file has a wrong format. The system will try to correct this, but in some cases this will lead to warnings or errors. SAP S/4HANA customers can implement SAP Note [3062104](#) to improve this behaviour.

<b>Q</b>	<b>Errors in file upload</b>
A	When using Microsoft Excel to change data, it could happen, that after changes, there are still invisible rows existing. Please try to delete complete rows and columns or save the data into a new file.

<b>Q</b>	<b>Import Master Data app: Import needs long time, or there are memory or application server errors</b>
A	When trying to upload a file using Office Open XML (For example, created by Microsoft Excel), the data amount could be very high and requires memory on the application server. When the memory limit is reached, there will be an error. You should not upload large amounts of data using Office Open XML format (recommendation: not more than 5.000 records per file). For larger volumes you should load separate files or use a compressed CSV file format to save memory. For data migration scenarios you should use ETL tools to fill the source tables.

<b>Q</b>	<b>Export Master Data app: Export needs long time, or there are memory or application server errors</b>
A	When trying to export a file into Office Open XML (For example, created by Microsoft Excel), the data amount could be very high and requires memory on the application server. When the memory limit is reached, there will be an error. You should not export large amounts of data using Office Open XML. You should export the records in separate files (by defining another selection) or use compressed CSV file format to save memory. As of SAP S/4HANA Cloud 2108 and SAP S/4HANA 2021 it will be possible to export specific tables instead all data from all tables. This will also limit the data amount.

<b>Q</b>	<b>Error “Initial value for field ...” when starting a mass process using file upload</b>
A	You tried to upload a file in mass processing or mass maintenance, but the system raises errors due to initial values for one or more fields. This could happen, if there are line breaks (CR/LF) in spreadsheet files. Please remove all line breaks before uploading the file. This could lead to corrupt data. In some cases the errors appear in the validation step.

<b>Q</b>	<b>Error like “Process template missing ...” when starting a mass maintenance process</b>
A	For using the Mass Maintenance app on SAP S/4HANA there is some configuration required. Please check the following configuration steps: <a href="https://help.sap.com/viewer/8308e6d301d54584a33cd04a9861bc52/2020.002/en-US/76512c1eb88d416a87952d72672954d0.html">https://help.sap.com/viewer/8308e6d301d54584a33cd04a9861bc52/2020.002/en-US/76512c1eb88d416a87952d72672954d0.html</a>

[www.sap.com/contactsap](http://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.

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 platform directions and functionality are all subject to change and may be changed by SAP SE or its 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 [www.sap.com/trademark](http://www.sap.com/trademark) for additional trademark information and notices.