



SAP S/4HANA Migration Cockpit - Migrate Your Data App

Migrate Data Using Staging Tables SAP S/4HANA Cloud

Frequently Asked Questions (FAQs)

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MIGRATE DATA USING STAGING TABLES

➤ Where can I find more information about SAP S/4HANA migration cockpit (Cloud) / Migrate your data app?

You can find all the external information on SAP S/4HANA migration cockpit on our landing page and SAP S/4HANA migration cockpit community webpage:

- SAP S/4HANA Cloud: http://help.sap.com/S4_CE_DM
- SAP S/4HANA Migration Cockpit Community: <https://community.sap.com/topics/s4hana-migration-cockpit>

There are also some SAP Notes and KBAs where you can find a collection of the most relevant information for the SAP S/4HANA migration cockpit:

Collective SAP Notes for Migration Content CA-GTF-MIG:

- Collective SAP Note and FAQ for SAP S/4HANA Migration Cockpit (Cloud) [2538700](#)

Pre-filled migration templates:

- w/ SAP S/4HANA Migration Cockpit (Cloud) - Sample data migration templates [2470789](#)

The external available slide deck for SAP S/4HANA Cloud - Migration Cockpit and which can be shared to customers can be found here:

- <https://www.sap.com/documents/2020/07/7a263781-a67d-0010-87a3-c30de2ffd8ff.html>

Also, customers can find publicly available information on the SAP Help Portal:

- [Migrate Your Data - Migration Cockpit](#)
- [Video Library for Data Migration](#)

Users can get an introduction to data migration with SAP S/4HANA. A one-time registration in the <http://www.sap.com/account.html> is required:

- [Introducing the SAP S/4HANA Migration Cockpit](#)

➤ Do we need to buy a license for Migrate Data Using Staging Tables approach?

If you use the database connection option “Local SAP S/4HANA Database Schema” when creating the project, no additional license or subscription is needed.

If you use the remote SAP HANA database schema, you need to set up a secondary database connection in your SCP account and HANA DBaaS, for which additional costs may apply. You can find more details in [KBA 2733253](#). For more information about additional costs that might apply or information about license costs for the use of SAP ETL tools, please contact your sales contact or customer care representative.

➤ Does the sequence of the migration automatically guide you to the next migration object?

No – the customer decides which migration object will be next. The SAP S/4HANA migration cockpit provides only information about predecessor and successor objects. The information about predecessor and successor migration objects is also available in the SAP Help Portal:

Short link for SAP S/4HANA Cloud:

- http://help.sap.com/S4_CE_MO

➤ **Can we use both files as well as staging tables for the same migration object in a single project?**

Yes. With the Fiori UI, users can use XML files and other ETL Tools (from third-party or from SAP) to upload data. The file upload is the same process as before (in transaction LTMC) – only now the data is stored in staging tables as a container. The standard case will be using files with the local database connection.

➤ **Can I use SAP DMLT for data migration?**

The SAP S/4HANA migration cockpit is the standard tool for migrating data into SAP S/4HANA Cloud. Depending on the scenario and deployment option (e.g. on-premise), tools from our consulting group SAP DMLT could be an option (e.g. for selective data transition). But this will always be a customer-specific project approach.

➤ **What is the file size limit of the data migration template with the staging option? Is there a new size limit for file upload now with the new Fiori UI?**

For SAP S/4HANA Cloud the default size limit for each uploaded XML file is 100MB. If required, you can zip several files together. The combined size of all the XML files to be added to the zip file must not exceed 160MB.

The size limit of XML files is a technical limit and cannot be influenced by the SAP S/4HANA migration cockpit (i.e. the limitation comes with the http requests and not with migration cockpit).

With the Migrate your data app (Fiori UI), you should always take into consideration that the records uploaded via XML Excel templates are available now in the staging tables and not within separate cluster tables for each file anymore. However, users now have the possibility to upload several files into one staging table – and from there on all data is processed.

Additionally, with the new Fiori UI, you cannot have the same record key within separate files anymore (how it was in LTMC transaction for On-Premise). There is also no active or inactive file anymore. Every data record that is uploaded into the staging table is now migrated when you start the migration.

For more details see:

- [KBA 2719524 - SAP S/4HANA Migration Cockpit: XML template size limits](#)
- [Additional Information About Migration Templates](#)

➤ **With the data migration with staging option, is there an option to connect to a third-party system and load the data directly instead of using excel files?**

Connecting a third-party system directly to the local SAP HANA Database is legally not allowed. Nevertheless, by choosing remote SAP HANA Database Schema, you can use an SAP HANA tenant/schema on SAP BTP (Business Technology Platform), where you can have more options to load data into the staging tables.

➤ **Once the data uploaded data through the migration cockpit, is there any tool to validate/download loaded data?**

After migrating the data, it is the customers' responsibility to validate the data. This is an important topic in the overall migration project plan.

Additionally, you will find some information in the logs (e.g. number of successfully migrated instances)

➤ **For every migration project, the system will create staging tables for every selected migration object. Is that correct?**

Yes. This is done automatically by the SAP S/4HANA migration cockpit.

➤ **With new releases of SAP S/4HANA migration cockpit (Migrate your data app) for SAP S/4HANA Cloud, will we still be able to use the template of the migration object from previous releases (for example: Customer Object, Supplier object or CPM Project template)?**

The recommendation is to use the xml templates files that are shipped with the release you are working with. From time to time there are changes in the underlying API – this is reflected in the template files. But this is also applied to former releases – there is no change in behavior.

- **Technically, Migrate Data Using Staging Tables method is used for everything. Both local and remote schema include file upload and staging tables, but in case of SAP S/4HANA, you cannot really populate the staging tables as there is no way to get to the database. Is that correct?**

Customers can populate staging tables with external tools only on the remote SAP HANA database but, they can also use XML files to load data to the remote database. Users cannot access the local database by external tools, only via XML file upload.

XML Files / Excel templates are only containers to fill the staging tables. If you upload a file and delete the file afterwards, the records of the file remain in the staging tables, they are not deleted.

SAP S/4HANA Cloud customers that only want to use XML files to load the data should use the local database. Whereas, customers who want to use external tools to populate the staging tables, should use the remote database connection.

- **We do understand that the local DB connection corresponds to the staging area being located locally in the S/4HANA Cloud system. Is it right to understand that for the local DB connection customers can only use the XML File templates here and nothing else?**

Yes correct. With local DB connection you can only use XML template files. For the remote DB connection, where Staging Area is located remotely, does this mean that the Staging area remotely can only be hosted on the SCP Staging Area (2Q2 Scope Item) and nowhere else?

Yes – customer must set up communication arrangement. This is described in the 2Q2 Scope Item: [Data Migration to SAP S/4HANA from Staging \(2Q2\)](#). In addition, users can find more information in the [SAP S/4HANA Migration Cockpit - Cloud slide deck](#).

- **What if the customer has there standalone HANA DB system, can that be connected to the remote DB connection without the SCP Staging (2Q2 Scope Item) in place?**

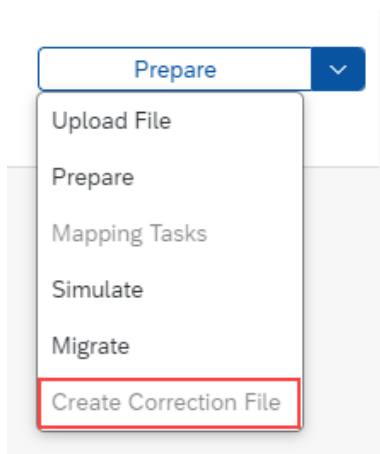
This is not possible. Cloud customers can only connect to SAP HANA as a service on SAP BTP.

- **When was the old SAP S/4HANA migration cockpit (Migrate your data app) deprecated?**

Deprecation Timeline:

CE2105	Official deprecation of the app – switch to READ ONLY
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- **What can I do with the option called “Create Correction File”?**



“Correction file” was previously called “Delta file”. The general concept is that every data record that is marked as “Failed” can be downloaded into a correction file. This is similar to the delta file concept which was available in the previous version of the SAP S/4HANA migration cockpit for SAP S/4HANA Cloud. A correction file is a template that contains the failed records.

Before this, the delta file was created automatically after the data migration. Every data record was put into a delta file and this file could then be downloaded. As the data storage is now different, the name was also changed.

➤ **Where can I find news about the SAP S/4HANA migration cockpit and data migration content (migration objects)?**

There are two types of newsletters: Development Newsletter and Community Newsletter. These Newsletters are published regularly in the SAP Help Portal:

- [SAP S/4HANA Migration Cockpit - Development Newsletter](#)
- [SAP S/4HANA Migration Cockpit - Community Newsletter](#)

➤ **How can I improve the performance of the data migration?**

From SAP S/4HANA Cloud 2008 release, you can adjust the maximum number of background jobs that are used for your project on the Job Management screen. The default number of background jobs for a project is 8. By default, the jobs are distributed equally among the migration objects. If required, you can also adjust the number of background jobs for specific migration objects.

For more details about “Job Management” and improving the performance of the data migration, see the SAP Help Portal:

- [Job Management](#)

➤ **What if the XML template is corrupted after inserting or deleting data?**

The XML structure of the file should never be changed, as this prevents the file upload. However, deleting an “entry” of a field should not corrupt the format, only if the values in the cells are deleted and not the cells itself. When copying data to an XML template, always right click the relevant cell and choose the paste option 'Values (V)'. Avoid pasting data that includes formatting and formulas into the migration template, as this will corrupt the structure of the XML migration template.

If the XML file gets corrupted (that is, you get error messages while trying to upload the file) and cannot perform the migration then, the best option would be to download a new template and copy your data to this new template.

To avoid corrupted XML templates SAP recommends the following:

- a. Read the introduction and review the field list before starting to fill the xml template
- b. Unhide and read the tooltips (line 8)
- c. Copy and paste values only using the following options:
 - Paste option then Values (V) within XML file
 - Paste special and then choose Text from somewhere else
 - Paste option then keep text only from notepad/text editor
- d. Do not make any changes to the structure of the migration template, specifically:
 - Do not delete, rename or change the order of any sheet in the migration template
 - Do not change the formatting of any cells
 - Do not use formulas
 - Do not hide, remove, or change the order of any of the columns in the migration template

Note: The information above is valid for all migration objects. For more details refer to KBA [2692715](#) - Migration Cockpit: How to correctly fill data into XML template and the SAP Help Portal - [Additional Information About Migration Templates](#)

➤ **Where can I find information on the corresponding SAP table/technical field name for each field in the XML Template?**

In the Excel template file, there is the possibility to unhide rows 4-6. In addition, in the 8th row, the field names in SAP S/4HANA can be viewed, as well as additional information such as the expected format (for example, the data type and length).

For more information see: SAP Help Portal - [Additional Information About Migration Templates](#)

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