



SmartExporter 2022 R1

The current version of SmartExporter offers numerous new features and extensive enhancements. In addition to the possibility of compressing the files during asynchronous extraction directly **on an SAP® system** and protecting them with a password, the **Finish** step in the Data Request wizard for asynchronous extractions (Schedule an unattended run) has been redesigned.

Also the **directDART** Additional Data Sources have been updated to meet the new requirements of the German tax authorities (BEA version 1.2) and new Data Requests that comply with the current requirements have been added.

Below you find an overview of the new features regarding the SmartExporter SAP® components and also the SmartExporter Windows client.

SmartExporter SAP® components

Easy transfer of existing settings to other SAP® systems

To simplify the transfer of your settings to other SAP® systems, it is now possible to save settings defined in the SmartExporter Customizing

(/AUDIC/SE_CUST transaction) via the **Export XML** button and to load them into the target SAP® system via the **Import XML** button.

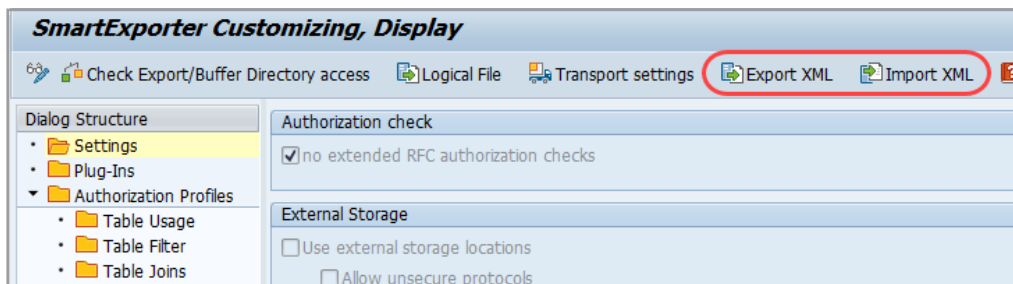


Figure 1: /AUDIC/SE_CUST transaction: export and import of defined settings

With this new feature you can not only export and import the SmartExporter Customizing settings as compressed ZIP file but also all authorization profiles, e.g. User Parameters profiles or Data Privacy profiles.

Note:

Security-relevant information such as passwords is not exported and must be maintained separately.



Figure 2: Selection options for the export of SmartExporter settings

SU24 templates (authorization default values)

As of SmartExporter SAP® components 8, additional SU24 templates (authorization default values) are included in the Add-On or transport. Please select the corresponding **/AUDIC template in PFCG**. The values must be adjusted according to your requirements.

New template for logical export file (FILENAMECI)

To avoid problems during installation on newer SAP® systems, now the data format is no longer preset to ASC but DIR.

Note:

When the older SAP® base releases 700 or 702 are used, this can prompt a message stating that a valid value should be entered. In this case, implement SAP® Note 1497003 - „Potential directory traversals in applications“.

Unified Connectivity (UCON)

To increase security for communication via RFC on SAP® systems, on some SAP® systems the configuration must additionally be done with the UCONCOCKPIT transaction.

The documentation provides lists of all function modules for the installation of the SmartExporter SAP® components and ZAUDICZ_RFC_READ_TABLE.

Support of Data Aging (S/4HANA)

With S/4HANA, SAP® has introduced **Data Aging/ Multi-Temperature** for unloading data from in-memory tables. Already with SmartExporter SAP® components version 5 SmartExporter has been able to extract the corresponding data. However, an activated license to access archived data was required then. This is no longer necessary.

If data aging is configured on the SAP® system, you can enter a date for the **DATAAGING** parameter with the **/AUDIC/SE_UPROP** user parameters transaction to define the date starting from which data is extracted from cold storage.

Deletion transport for SmartExporter SAP® components

Up to now, uninstalling the SmartExporter SAP® components was only possible if the Add-On was used for installing them. With the new version, a deletion transport is available that can now be used to perform a deinstallation even if you have installed the SmartExporter SAP® components via the transport.

Note:

The current deployment contains a deletion transport that allows you to uninstall **all transports** you have previously installed.

Updated attribute change package for SAP® base release 756 and lower

For the installation of the Add-On for the SAP® base release 756 and lower the attribute change package was updated due to changed requirements in SPAM/SAINT.

directDART Additional Data Source

Predefined Data Requests for extracting data in compliance with the regulations of the German fiscal administration (BEA 1.2)

In addition to the favorites complying with the regulations of the German fiscal administration BEA (Bundeseinheitlich abgestimmte Datenanforderung der deutschen Finanzverwaltung) of version 1.0 and version 1.1, the **favorites for the current version 1.2** of 8 December 2020 will be shipped.

As with the deployment for version 1.1, a separate Data Request template is included for version 1.2 for master data changes according to the specification of the fiscal administration. You can simply import these Data Request templates into SmartExporter.

Licensing of directDART

Starting with the current SmartExporter version, you need a license to run directDART Data Requests. If this license is not activated, SmartExporter will show a corresponding message when you want to start the extraction.

If you are using directDART Data Requests, please contact your Audicon sales representative via email at sales@audicon.net.

Consideration of country keys in directDART

When selecting company codes with various country keys (T001-LAND1 table), you can use a new filter **Permitted country keys for company codes** (P_ALW_COUNTRIES) to pass on a list of permitted country keys.

Note:

To use the new filter, the directDART transport has to be installed and the current Data Request templates from the deployment have to be used.

Reports Additional Data Source

Support of transaction codes for the generic report call (/AUDIC/SE_SA38)

With the new version users can now enter the transaction calling the report instead of the report name, since in many cases the user may be more familiar with the transaction names. A Data Request template with the corresponding adjustments is included in the software package.

Increased security: New /AUDIC/SE_REPORTS transaction

In addition to the SAP® authorization checks for reports, the transaction /AUDIC/SE_REPORTS has been added in the new version. With this transaction, an SAP® administrator can use a **whitelist** to control which reports or transactions a user is allowed to call.

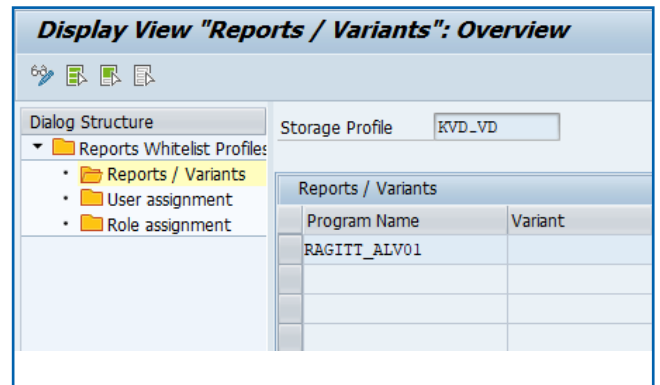


Figure 3: /AUDIC/SE_REPORTS transaction: list of allowed reports in whitelist

New parameter for EXEC_MODE

For larger print list reports as well as the generic report call, a new parameter for the generation mode (EXEC_MODE) is available. This parameter allows the user to define whether the report should be generated in memory or in a spool file. The corresponding Data Request templates have been adjusted and are included in the current software package.

Note:

The EXEC_MODE parameter is available for **print list reports** and the **generic report call**. It cannot be used for field lists.

Set table download limits

Quick-Filters are universal filters applied to tables.

Description	From
Company Code	<input type="text"/>
Asset number	<input type="text"/>
Subnumber	<input type="text"/>
Asset class	<input type="text"/>
Business area	<input type="text"/>
Report date	<input type="text"/>
Depreciation area	<input type="text"/>
List modifications	<input type="text"/>
Report variant	<input type="text"/>
Create report in 'M' (Memory) or 'S' (Spool file)	<input type="text"/>

Figure 4: New Quick-Filter for the creation mode (EXEC_MODE)

Additional deployment as Add-On

Since installation as a transport is not allowed in some SAP® cloud systems, we also provide the **Additional Data Source Reports as Add-On**. Please note, however, that the Reports Add-On is not certified by SAP SE.

New Additional Data Sources

New Additional Data Source for log records of table changes (/AUDIC/DBTABLOG)

In SmartExporter 2022 R1 the scope of functionality has been expanded by adding the new **Additional Data Source /AUDIC/DBTABLOG**. It allows you to obtain information about the changed records, which is read from the LOGDATA field in the DBTABLOG table. Since the LOGDATA field is not available in readable form in SAP® systems, it is transformed by the SmartExporter SAP® components. After updating the SmartExporter SAP® components to version 8, this Additional Data Source can be used immediately. A corresponding Data Request template is shipped with the current SmartExporter version.

New Additional Data Source for short texts (/AUDIC/READ_TEXT)

In this Additional Data Source, the corresponding text lines/short texts are read from the table STXH (STXD SAPscript text file header) via the function module READ_TEXT from the cluster STXL (STXD SAPscript text file lines).

This Additional Data Source can be used immediately after updating to the latest SmartExporter SAP® components and a corresponding Data Request template can be imported into SmartExporter.

SAP® Profile Parameters Additional Data Source

Adjustment of the Additional Data Source SAP® Profile Parameters (/AUDIC/RSPARAM_ALV and /AUDIC/RSPARAM_PRINT)

The current version now uses the SAP® standard report RSPFPAR instead of the SAP® standard report RSPARAM for the extraction of the SAP® profile parameters.

In order to keep compatibility in the Data Dictionary, the tables have not been renamed.

This Additional Data Source can be used immediately after updating the SmartExporter Add-On or transport, and a corresponding Data Request template can be imported into SmartExporter.



Note:

The Data Request templates of the Additional Data Sources for **Log Records of Table Changes, Short Texts** and **SAP® Profile Parameters** can be found in the current software package in the directory **SAP Components\SmartExporter SAP Components\DataSources\General\DataRequest**.

New certificates

Certificates for S/4HANA 2020 and 2021 for SAP® On-Premise and Cloud Extended Edition

In the download package of SmartExporter SAP® components 8, you will find in the subfolder **AddOn\SAPCertificate** certificates of the SmartExporter ABAP Add-On for integration with **S/4HANA 2020** and **2021**, for both **SAP® On-Premise** and **SAP® Cloud Extended Edition systems**, issued by the SAP® Integration and Certification Center.

New functionality in the SmartExporter Windows client

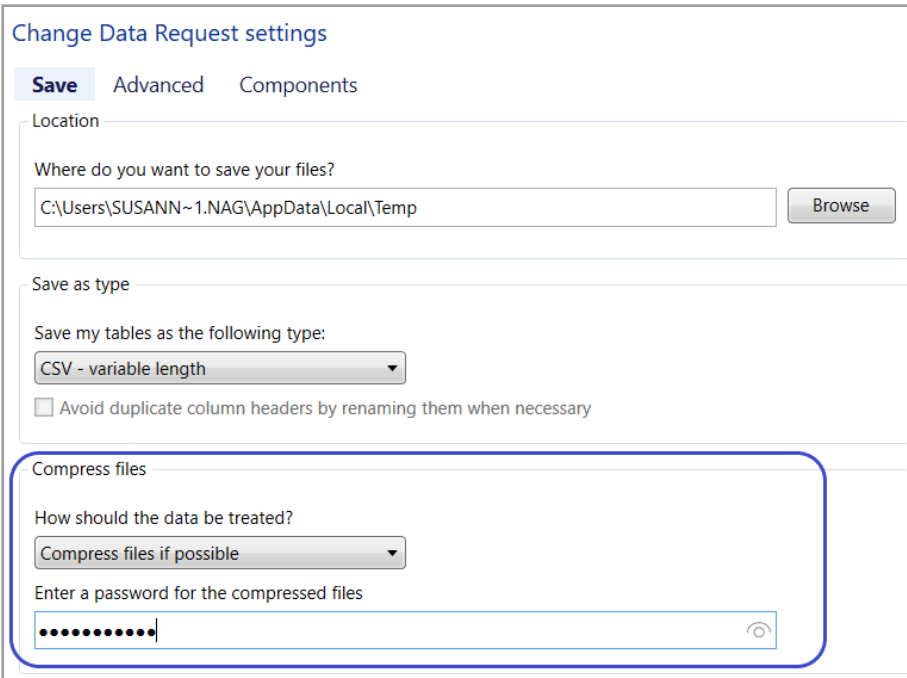
Compression on the SAP® system

With the current SmartExporter version 2022 R1 and SmartExporter SAP® components 8 you have the option to compress data directly on the SAP® system during asynchronous extraction (Schedule an unattended run) and to protect it with a password.

To compress data during asynchronous extraction, define the appropriate settings in the **Options** step of the **Data Request wizard**.

Note:

If the update of the SmartExporter SAP® components to version 8 has not been performed on the SAP® system, the compression is performed in the Windows client.



The screenshot shows a dialog box titled "Change Data Request settings" with three tabs: "Save", "Advanced", and "Components". The "Save" tab is active. It contains three sections: "Location" with a text field for "Where do you want to save your files?" containing "C:\Users\SUSANN~1.NAG\AppData\Local\Temp" and a "Browse" button; "Save as type" with a dropdown menu set to "CSV - variable length" and a checkbox for "Avoid duplicate column headers by renaming them when necessary"; and "Compress files" which is highlighted with a blue rounded rectangle. This section includes a dropdown menu for "How should the data be treated?" set to "Compress files if possible" and a password field labeled "Enter a password for the compressed files" with a masked password "....." and a "Show/Hide" icon.

Figure 5: Settings for the file compression functionality

Redesign of the Finish step

To show you more information about the extraction process, the windows for **synchronous** and **asynchronous** extraction in the Finish step of the Data Request wizard have been redesigned. The new design makes it easier to identify possible errors when checking a Data Request, for example, and the current user interface provides a better overview in case of a queued Data Request, for example.

Selecting IDEA projects

From the start SmartExporter offered the option to store data directly in the IDEA file format. As storage folder for the extracted files the IDEA project currently selected in IDEA was used.

In the new version, the user can select the IDEA project in the **Options** step of the Data Request wizard. If no selection is made, the current IDEA project is used by default as in previous versions.

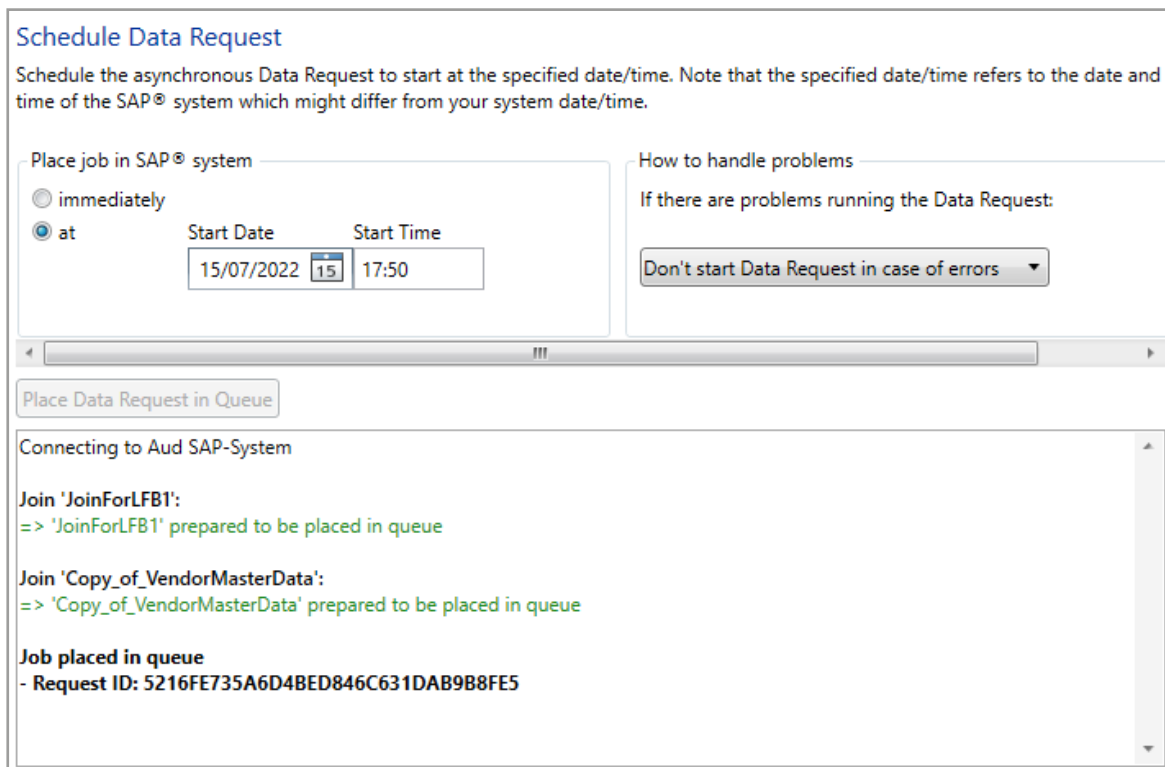


Figure 6: Schedule Data Request window with a Data Request placed in the queue

In addition, you can now also define here how to proceed if problems occur during the execution of the Data Request.

Import of connection information from SAP® UI Landscape configuration files

In the **Home – Connections – Manage connections** page you can add connection settings from **SAP® UI Landscape configuration files** as an alternative to importing the connection settings from a saplogon.ini file.

More detailed information in the SmartExporter log file

SmartExporter creates a so-called log file for each extraction, which contains, among other things, information about the extracted tables and joins, the start and end time of extraction, etc. In the new SmartExporter version, the **names of the created files** as well as **file hashes** are also stored in the log file. This allows you to check if the files have been manipulated after extraction.

Importing several Data Requests at once

In the **Import Favorites** dialog, you can select multiple Data Requests to import them all at once. In the **Run or manage Favorites** window, click the **Import** button and select the Data Requests you want to import in the **Import Favorite** dialog. Click the **Open** button to import all selected Data Requests.

Protocol selection in the Communication parameters window

Click **Change application settings** to select whether you want to use the classic RFC protocol or the SAP NetWeaver® RFC protocol for communication. If you select the **Auto** entry in the **Protocol** area of the **Communication parameters** window, the system now first checks by default whether the **SAP NetWeaver® protocol** can be used, and if this is not the case, the classic RFC protocol is used.

Increased maximum number of favorites in the SmartExporter Client Edition

With the new version, users of the SmartExporter Client Edition now can import **up to 25 Data Requests** as favorites via the **Run or manage Favorites** window instead of 10 as before.

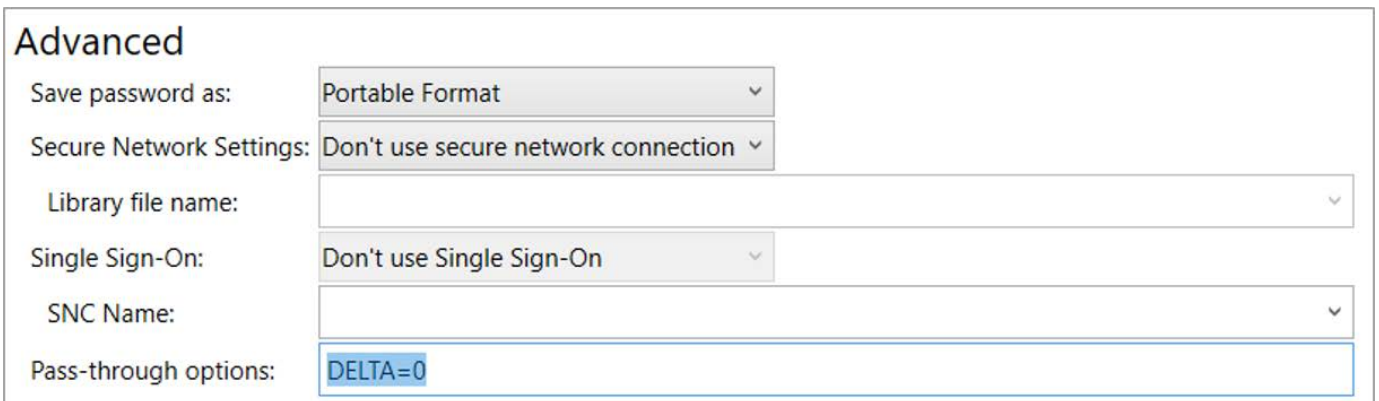
Upgrade to Microsoft .NET Framework 4.8

Due to Microsoft's ongoing development, SmartExporter has been adjusted to the **.NET Framework 4.8** version. In case this version does not exist on your computer, it will be installed automatically by the SmartExporter setup.

Support of SAP® system with codepage 4102 (Big Endian)

When selecting the SAP NetWeaver® protocol in connection with SAP® systems with code page 4102 (Big Endian), previous versions displayed an error. SmartExporter 2022 R1 detects such systems and provides a corresponding message when a connection test is run. This gives the user the

option to enter „**DELTA=0**” in the **Pass-through options** in the **Advanced** section of the **Manage connections** window so that the problem will no longer occur.



The screenshot shows the 'Advanced' settings section of the 'Manage connections' window. It includes several configuration options:

- Save password as: Portable Format
- Secure Network Settings: Don't use secure network connection
- Library file name: (empty field)
- Single Sign-On: Don't use Single Sign-On
- SNC Name: (empty field)
- Pass-through options: DELTA=0

Figure 7: Pass-through options with the „Delta=0“ value entered

Workshops for SAP® data analysis with Audicon software solutions

[Overview of the various areas of application of SmartExporter for data extraction from SAP® systems or during company audits.](#)

Installation and customizing of SmartExporter

[Support with installation, customizing and operation of SmartExporter in your system landscape with subsequent functional testing. Contact your Audicon sales representative.](#)

More information

[Find out more about SmartExporter on the Audicon website.](#)

Questions?

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