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The current version comes with numerous new features, which on the one hand significantly improve the performance and flexibility of the data extraction and on the other hand result in an even better streamlined SmartExporter user experience. SmartExporter 2018 R1 now supports the SAP NetWeaver® RFC protocol and offers the new ZAUDICZ_RFC_READ_TABLE RFC module as an additional alternative to the SAP® standard components. Besides, you can now compress the data during the process of extraction.

Please find an overview of the new features and improvements below.

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Communication with the SAP® System
SmartExporter supports the SAP NetWeaver® RFC protocol

- Using SmartExporter 2018 R1 you are now able to use, apart from the classical RFC protocol (LIBRFC32.dll), also the SAP NetWeaver® RFC protocol to communicate with your SAP® system.
- Please make sure that the SmartExporter SAP® components version 6.0.0001 are implemented. Select the protocol in SmartExporter on the Change application options page on the Communication tab. Choose the protocol to be used when downloading the data.

SmartExporter SAP® Components
Extended RFC authorization objects

- The SmartExporter SAP® components now contain extended RFC authorization objects enabling the SAP® administrator on a more detailed level to allow certain users to run specific actions or prevent them from doing so.
- Using this enhancement an SAP® administrator is able to activate or deactivate actions in the SmartExporter Windows client. For instance, the administrator can prevent a synchronous data extraction from being run.
- For more information refer to the "SmartExporter_SAP-Components_Manual.pdf" file on the CD or in the SAP Components folder of the download package.

Batch jobs for asynchronous extraction can be prioritized

- Customizing of the SmartExporter SAP® components (/AUDIC/SE_CUST transaction) can now be used to prioritize batch jobs for an asynchronous data extraction.

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Cursor Life Time for data extraction from Oracle

- In customizing you can define the maximum time a database cursor stays open to prevent database timeouts especially on Oracle databases with long-running asynchronous extractions.

New Data Extraction Options
New SmartExporter ZAUDICZ_RFC_READ_TABLE RFC module

- Introducing ZAUDICZ_RFC_READ_TABLE shall on the one hand eradicate the limitations coming with the SAP® standard components (SAP® RFC_READ_TABLE RFC module) in many ways and it shall on the other hand offer a simpler installation and configuration compared to the ones required for the SmartExporter SAP® components.
- The SmartExporter ZAUDICZ_RFC_READ_TABLE RFC module is provided as a transport and as source code.
- The SmartExporter ZAUDICZ_RFC_READ_TABLE RFC module can be used for SAP® systems as of SAP BASIS version 620 and higher with ABAP Stack.
- Please refer to the ″Configuring_existing_SAP_standard_components_for_SmartExporter.pdf″ manual on the CD or in the download package in the SAP Components/SAP Standard Components/Documentation folder for a comparison of the different extraction types available in SmartExporter.

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Optimizing the use of the existing RFC_READ_TABLE SAP® standard component

- Using the RFC_READ_TABLE SAP® standard component has been improved to the effect that the extraction of the data can now react dynamically to the data volume to be extracted. This results in a faster download process.

Data Extraction
Synchronous extraction of wide tables

- SmartExporter 2018 R1 supports the synchronous extraction of tables of any width (record length exceeding 2,048 bytes), e.g. BSEG from SAP® systems.
- In a background process during the synchronous data extraction the data is compressed internally and therefore significantly more data packages can be transmitted even faster than in the previous versions.

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Data Privacy
Additional encryption algorithms for Data Privacy
- The new version provides two additional encryption algorithms AES-128 and AES-256 you can select to encrypt your data with.

Decryption of encrypted data with SmartExporter Data Privacy Decrypt
- The SmartExporter Data Privacy Decrypt tool lets you decrypt data which you have previously encrypted during the data extraction using Data Privacy.
- Decryption can be run by an SAP® transaction within the SAP® system or as a separate application in a Windows environment.

Standalone implementation of Data Privacy Decrypt
- If you don't have access to the SAP® system or you don't have the required authorization for the SAP® system, you can run the SmartExporter Data Privacy Decrypt tool as a standalone application without SmartExporter having to be installed.
- Additionally, you can pass the application on to the person in your company in charge of the required authorizations to decrypt the data in compliance with your company's data privacy rules.
- An intuitive workflow guides the user through the steps required to decrypt the data. The user does not need to have any know-how regarding SAP® data structures or any experience in using the SmartExporter Windows client.
- There is no separate license key required to use the SmartExporter Data Privacy Decrypt tool.

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New Features in SmartExporter Windows Client

Compress data during extraction

- SmartExporter 2018 R1 offers the opportunity to compress files directly during the process of data extraction. For each file a compressed ZIP file is generated. By default no compression is done.
- The compressed files can additionally be protected by a password, which should consist of at least 10 characters, digits and at least one capital letter.
- The compress feature is available for the following file formats: CSV with header, CSV – variable length, TXT – fixed length, AIS – SAP® AIS Format, CSV – GoBD Format and TXT – GoBD Format.

Join conditions with concatenated fields

- Join conditions in SmartExporter can now consider concatenated fields. SmartExporter recognizes automatically if certain fields occur in a specific order and can then combine the fields within a join condition. This way records can be accurately identified, which leads to a reduction of the data volume for the join and therefore to smaller downloads.

Improved usability when searching tables and fields

- The search feature design in the Select Tables step of the Data Request wizard has been improved and is now more intuitive and user-friendly.

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Additional Data Source Reports
New reports and predefined Data Requests

- SmartExporter 2018 R1 comes with more functionality in the Additional Data Source Reports. The following reports have been added:
  - SAP® reports for Financial Statement version (RFGSBSTR) and Display Balance Sheet/Profit and Loss Structure (RFSBSA00)
  - A so-called generic report call, which you can use to extract several different SAP® standard reports.
- For both new SAP® reports as well as for the generic report call Data Request templates are deployed with the current version. Simply import these templates into SmartExporter and customize them according to your needs.

Additional data segments for directDART

- Due to changes by DSAG and enhancements to the SAP® system new DART segments have been implemented.

Enhancements and Optimizations
Flexible settings when using SmartExporter Client Edition

- In the current version you are able to restrict the commonly available features in the SmartExporter Client Edition to make sure that predefined Data Requests cannot be fundamentally modified or manipulated.

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