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What is the ICARO BAPI HANDLER?

Our BAPI Handler is in SAP terminology basically an „ALE Message Handling System" which allows you to send and receive SAP IDocs.
This is also exactly how the BAPI Handler is represented in our SAP certificate .
As a so-called CA-AMS this tool competes in part with more complex and significantly more expensive data management products. For example, we do not provide any easy-to-use drag-and-drop field assignment functionality, which is available in the above-mentioned products. Our tools are designed for automated background processing using a „Fire and Forget" method with fixed configuration described in well documented .ini files.This approach enables practically 100% reliability, operating for years on end without any user interaction.
Either way, our products offer a wide selection of expanded file formats, conversions of input file contents, and also the creation of target file formats.
Expanded data conversion includes, for example, the option to create CSV, XML or any other customer-specific output format (json, yaml, …) via a flexible „template fill" method, in which the BAPI Handler can create a target data structure with IDOC field names as variables. The target file will then be created by „filling" this template structure with each IDOC segment. The structure and formatting of the template remains completely untouched, including all empty spaces, line feeds, etc.
Instead of only working on each field, it is also possible to perform format conversions on each character. It is actually possible for you to define complex conversion schemata by indicating which character position of the IDOC structure should be positioned at which character position in the target file.
The input and output files are always defined as flat „Text" files, the codepage is ISO8859-1, if SAP is set up as a non-Unicode system. If SAP is in Unicode, communication occurs in UTF-16 (LE). The input / output codepage can be any 8-bit or Unicode codepage which can be derived directly from UTF16LE or even UTF16LE.

Some of the conversion options mentioned above do not work, for obvious reasons, with output codepages with variable character length, such as for example UTF-8 with an 8-bit input / output file. We strongly recommend that you use one codepage so that you can achieve maximum flexibility in scenarios with expanded data conversions.
The SAP communication itself is always done via an asynchronous RFC transaction.
Technically, the product consists of two or more background demons (implemented in Windows as a Windows service), which runs unsupervised and completely maintenance-free as a background process on your server.
We support the following operating system platforms: most of the Linux flavors supported by SAP as well as the current MS Windows versions (at least 64-bit version 2008r2). Versions for AIX, SUN Solaris and HPUX on Itanium and 32-bit Windows can, with some reservations, be created upon request.