

SAP® IDoc

Interface description SAP® IDoc to LOGOSOFT

LOGOSOFT makes your print & apply labelling processes safer and more efficient. Our high-performance middleware provides central control and monitoring of your entire labelling processes.

LOGOSOFT offers you maximum flexibility that starts with the connection to your database system. LOGOSOFT provides interfaces to all common software applications, **including SAP®**.

For the data exchange with SAP® systems, LOGOSOFT uses the central format SAP® IDoc (Intermediate Document). Learn more in this document.

» **Smooth software integration
via SAP® interface.**

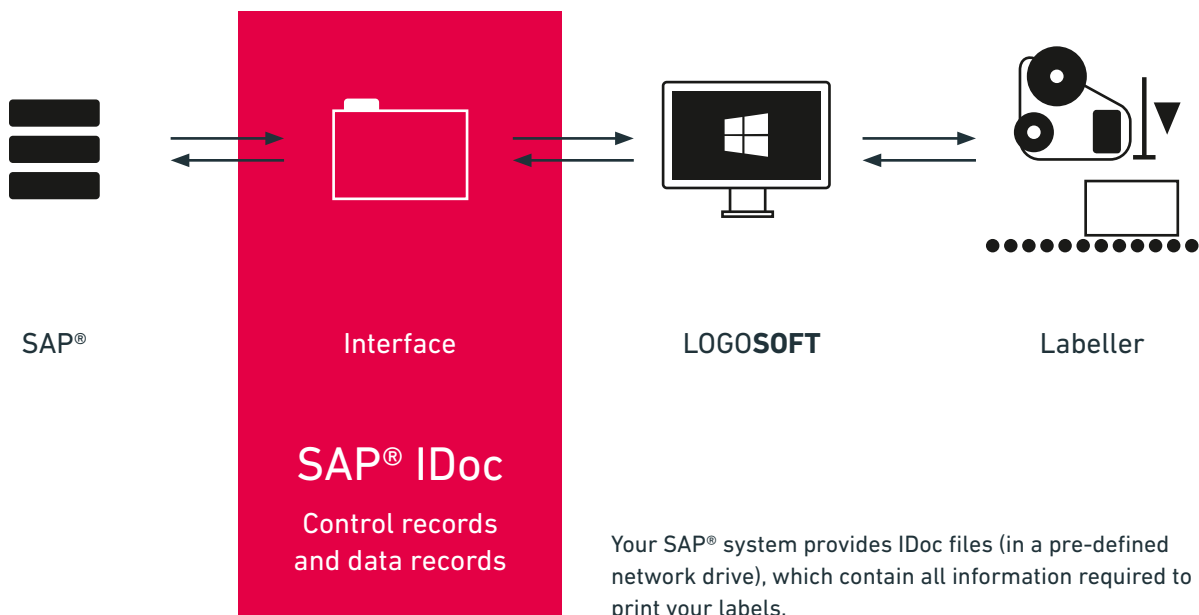
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Interface description IDOC to LOGOSOFT

Provision of IDOC data sets by SAP®.

Your interface for more efficiency and safety!

LOGOSOFT can be quickly integrated in your existing ERP or MES environment. IDocs are exchanged in the form of files. From their storage location, other systems can read and further process the IDocs



Your SAP® system provides IDoc files (in a pre-defined network drive), which contain all information required to print your labels.

Example:

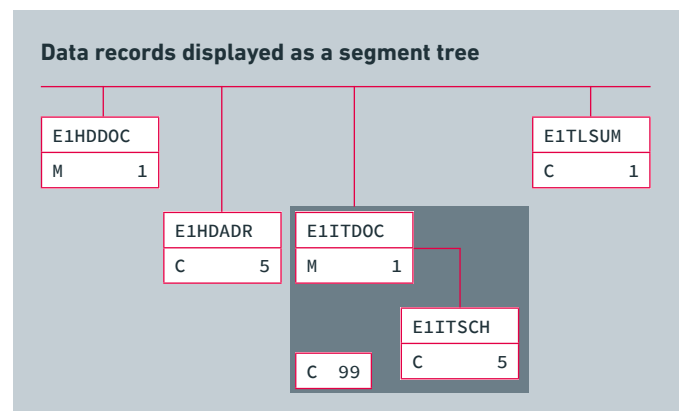
Each IDoc that is exchanged through an external system only contains the control record and the related data record. No status records are exchanged.

The control record:

Control record	IDoc-ID
	Partner
	IDoc-type and logical message
	External structure

The control element of each data record contains the name of a segment. This segment is defined as a structure in the SAP® system, which means a series of fields of certain lengths. However, the data record must not contain recurring segments.

The data record:



Example: Data set as a Flat-File

Segment type name: **E1MAKTM**

	Field	Data item	ext	length
Segment type	MSGFM	MSGFM		3
(Meta information) in the Back-end-system	SPRAS	SPRAS		1
	MAKTX	MAKTX		40
	SPRAS_ISO	LAISO		2

IDOC Segment running time

```
1234567890123456789012345678901234567890123456
E1MAKTM800      005Dbicycle                                DE
```

Example: Data set as a XML-File

```
IDOC Segment in the XML Payload      <E1MAKTM SEGMENT="1">
                                         <MSGFN>005</MSGFN>
                                         <SPRAS>D</SPRAS>
                                         <MAKTX>bicycle</MAKTX>
                                         <SPRAS_ISO>DE</SPRAS_ISO>
                                         </E1MAKTM>
```

Data import:

- » The customer's SAP® system generates the IDoc file and saves it in a pre-defined network drive.
- » LOGOSOFT checks the directory at regular intervals and detects the presence of a new file (the polling interval is configurable).
- » LOGOSOFT imports the data into its internal database for further processing and subsequent use for LOGOSOFT applications.
- » Imported data can be marked, moved or deleted (configurable).

Data export:

The IDoc interface provides the opportunity to send feedback data (log files) to the SAP® system. For this function, LOGOSOFT provides an IDoc file in a pre-defined structure in another network directory, which can be imported by SAP®.

- » LOGOSOFT generates the IDoc file and saves it in a pre-defined network drive.
- » SAP® imports the data contained in this file for further internal processing.

Scope of standard functions:

- » IDoc files with maximum 50 data information fields
- » Access via network protocols such as Server Message Block (SMB), File Transfer Protocol (FTP) and Universal Naming Convention (UNC)

Options:

- » Processing of larger amounts of data fields
- » Processing of recurring segments in the IDoc file
- » Customer-specific IDocs in a modified structure

To be provided by the customer:

- » Network directory with access rights
- » Allocation of IDoc field information to data fields in the label layout
- » The customer-specific IDoc file needs to be provided at project start.
- » A description of the individual fields can be accessed via the documentation tools in the customer's SAP® system.