

IDoc Handling

IDocs (Interface **D**ocuments) are the most common way of interchanging data asynchronously with SAP systems. In order to parse and compose IDocs, the modeler must first import the corresponding IDoc classes from SAP parse grammars. This process is described on [Importing SAP IDoc Meta Data](#) in the Builder User Guide. The rules describing the mapping from SAP Metadata to UML classes can be found on [IDoc Import Rules](#).

Example File (Builder project Add-ons/SAP):



<your example path>\Add-ons\SAP\uml\sapldoc.xml

The following pages describe IDoc handling, such as

- [Composing IDocs](#)
- [Parsing IDocs](#)
- [Reading IDocs From File](#)

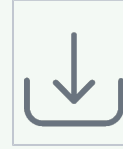
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Related Pages:

- [Composing IDocs](#)
- [Parsing IDocs](#)
- [Reading IDocs From File](#)
- [Importing SAP IDoc Meta Data](#)
- [IDoc Import Rules](#)
- [tRFC Client](#)
- [tRFC Service](#)

Example Overview: IDoc Use Cases

Use Case	Operation
Example File (Builder project Add-ons/SAP):  <your example path>\Add-ons\SAP\uml\sapTRFCClient.xml	
Receive an IDoc file and send it to SAP (unchanged)	SendAnyIDocFromFile
Receive and IDoc from SAP and send it to SAP	SendAnyIDoc
Example File (Builder project Add-ons/SAP):  <your example path>\Add-ons\SAP\uml\sapTRFCServer.xml	
Receive and IDoc from SAP and write it to a file	IDOC_INBOUND_ASYNCHRONOUS
Example File (Builder project Add-ons/SAP):  <your example path>\Add-ons\SAP\uml\sapldoc.xml	
Read an IDoc from file and parse it to an IDoc structure	SingleIDocInString
Receive an IDoc from SAP and parse it to an IDoc structure	SingleIDocSAPTables

Read multiple IDocs (same structure) from file and parse them to an IDoc structure	ArrayOfDocsInString
Receive multiple IDocs (same structure) from SAP and parse them to an IDoc structure	ArrayOfDocsInSAPTables
Read an TXTRAW01 IDoc from file, parse it, make some changes and write it to a new file.	parseTXTRAWIDoc