



PROCESSING OF IDOCS

IDoc is an SAP document format for transferring business transaction data. Non-SAP systems can use IDocs as a standard interface for data transfer.

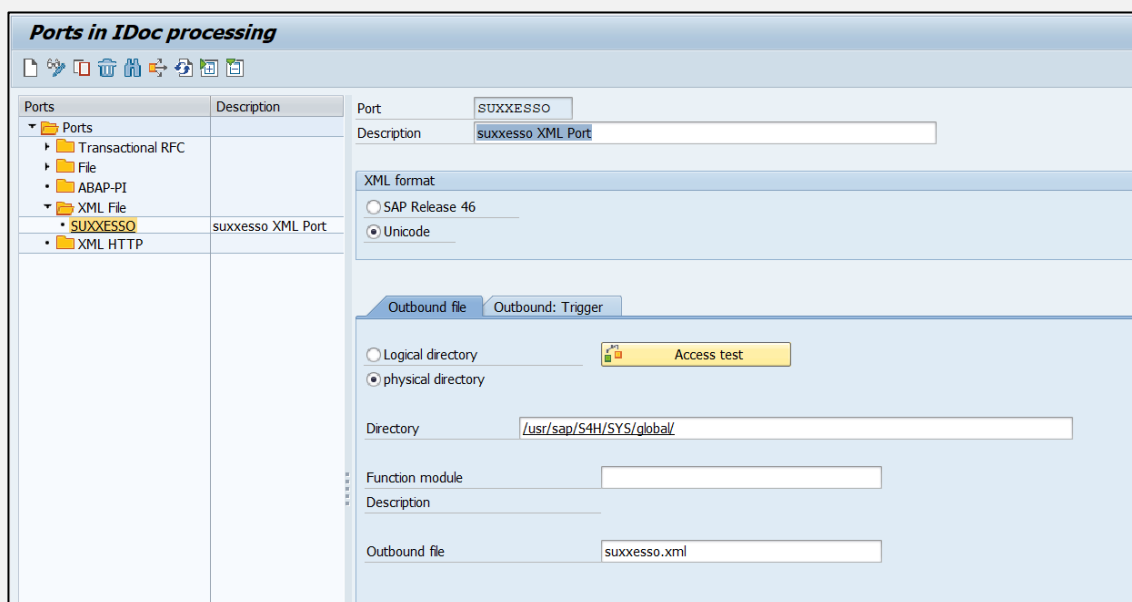
The suxxesso Tool Suite can read and manipulate IDocs in XML format and trigger processing.

Prerequisites:

- An XML file port must be created in transaction WE21.
- For the RFC call, a dedicated IDOC import user should be created in transaction SU01. This user does not need any dialog permissions, only the role /SUXXESSO/IDOC_IMPORT.

Transaction: WE21

1

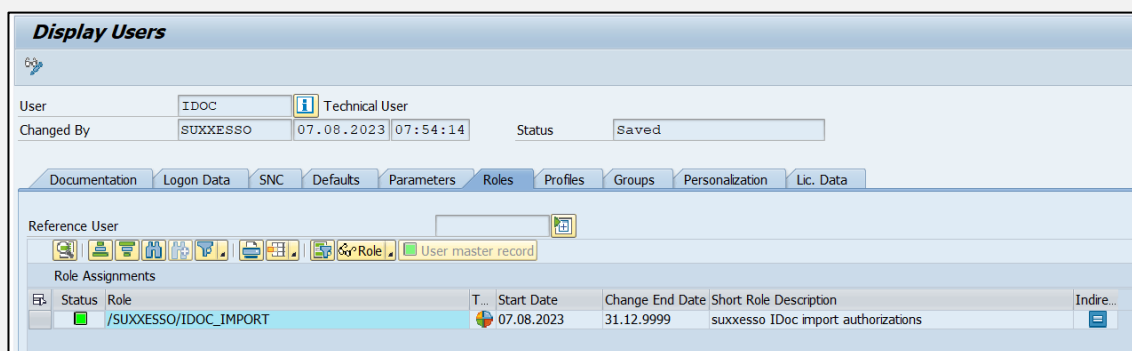


The screenshot shows the 'Ports in IDoc processing' configuration screen. The 'Ports' tree on the left has 'SUXXESSO' selected under 'XML File'. The main area shows the configuration for this port:

- Port: SUXXESSO
- Description: suxxesso XML Port
- XML format: Unicode
- Outbound file: suxxesso.xml
- Outbound: Trigger
- Directory: /usr/sap/S4H/SYS/global/
- Function module: (empty)
- Description: (empty)

Transaction: SU01

2



The screenshot shows the 'Display Users' screen for user 'IDOC'. The 'Roles' tab is active, showing the following role assignment:

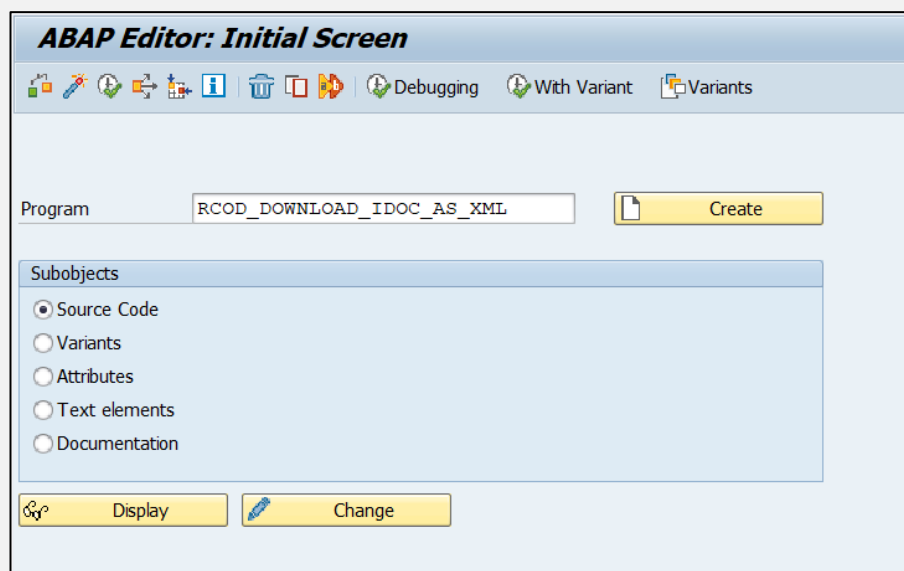
Stp	Status	Role	T...	Start Date	Change End Date	Short Role Description	Indre...
		/SUXXESSO/IDOC_IMPORT		07.08.2023	31.12.9999	suxxesso IDoc import authorizations	

XML Export:

Transaction: **SE38**

In transaction SE38, an existing IDoc can be exported as an XML file using the program RCOD_DOWNLOAD_IDOC_AS_XML.

1



Implementation:

The import of an IDoc is done in 2 steps (RFC calls):

- /SUXXESSO/IDOC_IMPORT_V1
- /SUXXESSO/IDOC_GET_STATUS_V1

These two modules can be displayed with transaction SE80, function group /SUXXESSO/IDOC_API under function modules.

Transaktion: SE38

1

Function Builder: Display /SUXXESSO/IDOC_IMPORT_V1

Repository Browser

Function Group: /SUXXESSO/IDOC_API

Object Name	Description
/SUXXESSO/IDOC_API	suxxesso IDoc API
Function Modules	
/SUXXESSO/IDOC_GET_STATUS_V1	Returns status of IDoc
/SUXXESSO/IDOC_IMPORT_V1	IDoc import for XML port
Fields	
Includes	

Function module: /SUXXESSO/IDOC_IMPORT_V1 Active

Attributes | Import | Export | Changing | Tables | Exceptions | Source code

```

1 function /suxxesso/idoc_import_v1.
2
3 ***Local Interface:
4 ** IMPORTING
5 **   VALUE(I_IDOC_XML) TYPE STRING
6 **   VALUE(I_PORT) TYPE EDI_PVRCPF
7 **   VALUE(I_TRANSFER_TO_APPL) TYPE SAP_BOOL
8 ** EXPORTING
9 **   VALUE(E_SUCCESS) TYPE SAP_BOOL
10 **  VALUE(E_ERROR_MESSAGE) TYPE STRING

```

Description of the modules:

/SUXXESSO/IDOC_IMPORT_V1:

This module imports the IDoc and optionally starts its processing (controlled by the input parameter I_TRANSFER_TO_APPL).

Import Parameter:

- I_IDOC_XML: XML string of the IDoc to be imported
- I_PORT_XML: File port to be used for the import (see prerequisites)
- I_TRANSFER_TO_APPL: Set to X to trigger the processing of the import

Export Parameter:

- E_SUCCESS: Set to X if the import was successful
- E_LAST_DOCNUM: Last IDoc number imported under the RFC user
- E_ERROR_MESSAGE: Error Message
- E_DOCNUMS: List of imported IDocs since the start of the RFC call
- E_JOB_ID: The batch job ID, if I_TRANSFER_TO_APPL has been set

/SUXXESSO/IDOC_GET_STATUS_V1

Via this module the batch job status as well as the last status of an IDoc can be queried at the same time.

2

Import Parameter:

- I_DOCNUM: IDoc-Number
- I_JOB_ID: Batch Job Id

Export Parameter:

- E_DOCNUM_STATUS: Status of the IDoc
- E_JOB_STATUS: [Status of the batch Job](#)
- E_ERROR_MESSAGE: Error Message

Display IDocs:

Transaction WE02 can be used to display the processed IDocs.

Transaction: WE02

1

IDoc List									
IDocs	Number								
Selected IDocs	00000002								
Outbound IDocs	00000000								
Inbound IDocs	00000002								
INTERNAL_ORDER	00000002								
Selected IDocs									
IDoc Number	Segments	Status	Statu...	Partner	Basic type	Created On	Created at	Msg. Type	Direction
0000000000038052	8	53	○○○	LS/ /S4HCLNT100	INTERNAL_O...	30.08.2023	05:49:21	INTERNA...	Inbox
0000000000038053	8	53	○○○	LS/ /S4HCLNT100	INTERNAL_O...	30.08.2023	09:03:14	INTERNA...	Inbox

Known Issues:

If IDoc imports are called simultaneously with the same user, a race condition of the returned IDoc numbers may occur.