

Building block Configuration Guide

Revugis Fachmedien Integration with SAP GTS via Cloud Integration

August 2024

English

CUSTOMER

Revugis Fachmedien Integration with SAP GTS via Cloud Integration

Document History

Revision	Date	Author
0	January, 2022	
1	August, 2024	Adjusted product names

Revugis Fachmedien Integration with SAP

Contents

Document History.....	2
1 Prerequisites	3
2 Configuration steps on Cloud Integration	4
2.1 Import Revugis Fachmedien Certificate to Cloud Integration	4
2.3 Query and send SanctionsList from Revugis Fachmedien to SAP GTS.....	4
2.4 Configuration Steps - Query and send SanctionsList from Revugis Fachmedien to SAP GTS	5
2.5 Send SanctionsList to SAP GTS	6
2.6 Configuration Steps - Send SanctionsList to SAP GTS.....	7
2.7 Trigger Sanction Lists processing in SAP GTS.....	7
2.8 Configuration Steps - Trigger Sanction Lists processing in SAP GTS	8
2.9 Adjust Error Handling Process.....	9
4 Cloud Connector	11
5 Configuration in the SAP GTS System.....	12
5.1 ABAP Coding - ZXXX_GTS_SPL_UPD_JOBS.....	12
5.2 Create Communication User	15
5.3 Connect to System Landscape Directory.....	15
5.4 Configuration in SAP GTS Menu	17
5.5 Create Business Partner for Pocessing the Data	18

1 Prerequisites



Reguvis Fachmedien (formerly Bundesanzeiger) Integration with SAP GTS (Global Trade Services) 11.0 provides an integration to automatically upload data content of Sanctioned Party Lists of Reguvis Fachmedien to SAP GTS 11.0 to screen Business Partners and Transactional Documents.

Note: Please be aware that this package will only be valid until **end of 2025** when SAP Global Trade Services 11.0 goes out of maintenance.

For later SAP GTS versions, such as SAP Global Trade Services, edition for SAP HANA 2023, the package will no longer run as it does not support the needed modification in the SAP GTS system.

On the following pages, the Integration Flow screenshots were not adjusted to the new names.

You need access to the following systems:

1. SAP GTS System (Admin role)
2. Reguvis Fachmedien (User and Password necessary)
3. BTP Subaccount for Cloud Integration (Admin Roles)
4. Cloud Integration (Configuration Roles)
5. System Landscape Directory (Admin Role)

2 Configuration steps on Cloud Integration

In this scenario the CLOUD INTEGRATION is used as a middleware to integrate the Revugis Fachmedien with the SAP GTS. It is replicating the SLP sanction list in a regular basis.

2.1 Import Revugis Fachmedien Certificate to Cloud Integration

Download the Certificate from Revugis Fachmedien and import it into the Cloud Integration via Cloud Integration → Monitor → Keystore.

1 Note

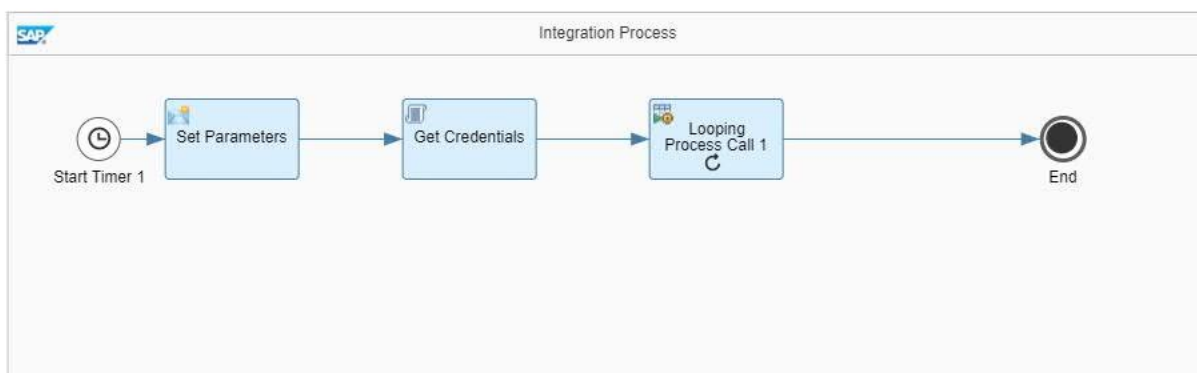
Based on the validation date the certificate needs to be renewed.

2.2 Create Artefact for Revugis Fachmedien Credential

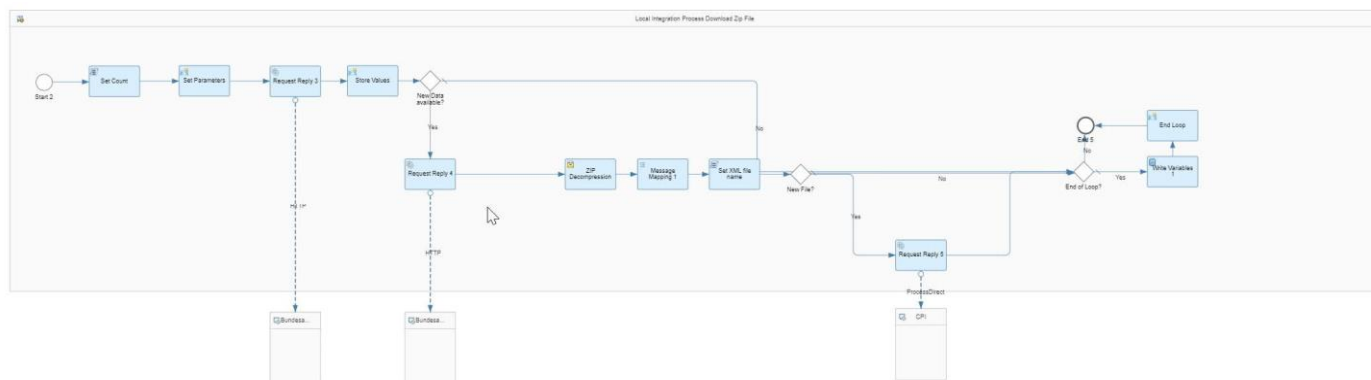
Configure the Revugis Fachmedien Artefact in the Security Material area.

2.3 Query and send SanctionsList from Revugis Fachmedien to SAP GTS

The main process defines some parameters and starts the looping process to retrieve all necessary files from Revugis Fachmedien (3 in total):



The looping Subprocess checks for each file if it has a new date as well as a new file name. If this is the case the is mapped with a configured Provider ID and then replicated via another Iflow, which is called by a ProcessDirect Adapter, to the SAP GTS System.



2.4 Configuration Steps - Query and Send SanctionsList from Revugis Fachmedien to SAP GTS

Timer:

Set the Timer on a daily regular basis.

Configure "Query and send SanctionsList from Bundesanzeiger to SAP GTS"

Timer Receiver More

Timer: Start Timer 1 [StartEvent_4]

☐ Run Once

☐ Schedule on Day

☒ Schedule to Recur

Schedule to Recur

Daily

☒ On Time

03:00 AM

1 min

Between 00:00 and 01:00

Time Zone (UTC 1:00) Central European Time(Europe/Berlin)

Receiver Bundesanzeiger_GetInfos

Configure the Host Name of the Revugis Fachmedien URL.

The query is set by properties in the Iflow itself.

Configure "Query and send SanctionsList from Bundesanzeiger to SAP GTS"

Timer Receiver More

Receiver: Bundesanzeiger_GetInfos

Adapter Type: HTTP

Address: https://www.awr-portal.de/SubDI/index.jsp

Receiver Bundesanzeiger2

Configure the Host Name of the Revugis Fachmedien URL.

The query is set by properties in the Iflow itself:

Configure "Query and send SanctionsList from Bundesanzeiger to SAP GTS"

Timer Receiver More

Receiver: Bundesanzeiger2

Adapter Type: HTTP

Address: https://www.awr-portal.de/SubDI/index.jsp

More:

Configure the parameters set in the content modifier:

Configure "Query and send SanctionsList from Bundesanzeiger to SAP GTS"

Timer	Receiver	More
		Type: All Parameters
		GTS_BusinessPartner: BANC
		GTS_DIV: SAPschnittstelle/XML(gts)/Sanktionsliste/Z_Listen-DIV
		GTS_EU: SAPschnittstelle/XML(gts)/Sanktionsliste
		GTS_localVariable_Date_DIVERSE: GTS_BUNDESANZEIGER_DATE_DIVERSE
		GTS_localVariable_Date_EU: GTS_BUNDESANZEIGER_DATE_EU
		GTS_localVariable_Date_USA: GTS_BUNDESANZEIGER_DATE_USA
		GTS_localVariable_LastFile_DIVERSE: GTS_BUNDESANZEIGER_LASTFILE_DIVERSE
		GTS_localVariable_LastFile_EU: GTS_BUNDESANZEIGER_LASTFILE_EU
		GTS_localVariable_LastFile_USA: GTS_BUNDESANZEIGER_LASTFILE_USA
		GTS_USA: SAPschnittstelle/XML(gts)/Sanktionsliste/Z_Listen-USA
		Host_Address: https://www.awr-portal.de/SubDI/index.jsp
		User_Credentials: BUNDESANZEIGER_USER

GTS_BusinessPartner: BusinessPartner created in SAP GTS to trigger the processing in SAP GTS.

GTS_DIV: Query Path for retrieving the Diverse SanctionList from Revugis Fachmedien

GTS_EU: Query Path for retrieving the Europe SanctionList from Revugis Fachmedien

GTS_USA: Query Path for retrieving the USA SanctionList from Revugis Fachmedien

GTS_localVariable_Date_DIVERSE: Local variable for the date of the diverse sanction list

GTS_localVariable_Date_EU: Local variable for the date of the Europe sanction list

GTS_localVariable_Date_USA: Local variable for the date of the USA sanction list

GTS_localVariable_LastFile_DIVERSE: Local variable for the name of the diverse sanction list file

GTS_localVariable_LastFile_EU: Local variable for the name of the Europe sanction list file

GTS_localVariable_LastFile_USA: Local variable for the name of the USA sanction list file

Host_Address: Configure the Host Name of the Revugis Fachmedien URL.

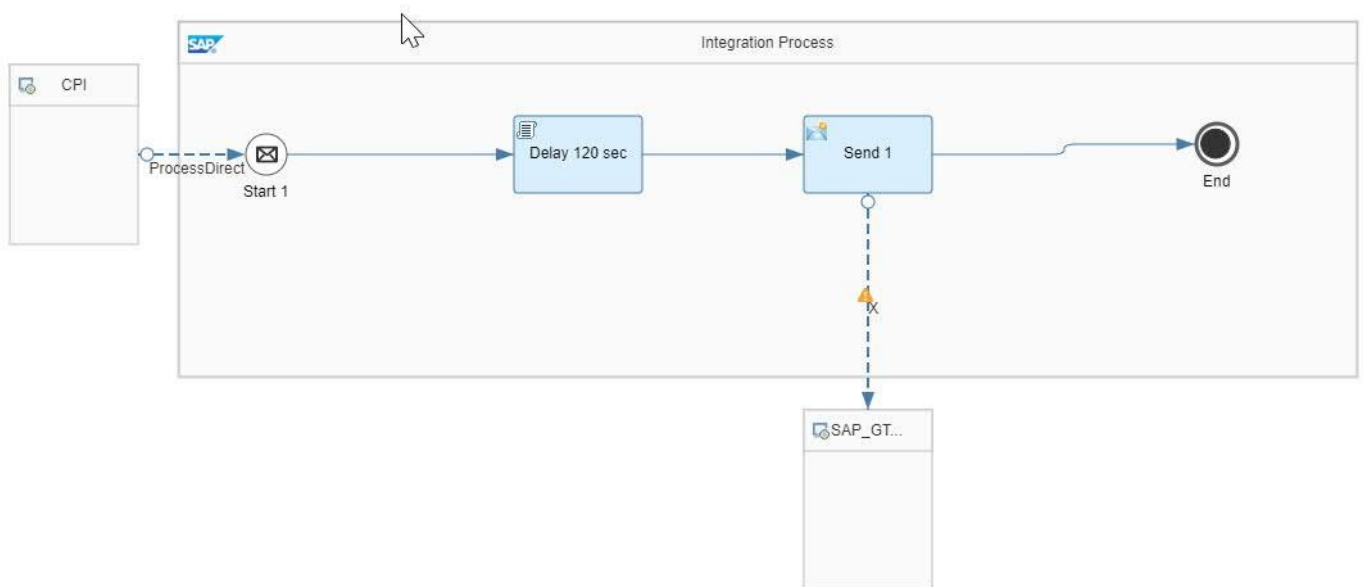
User_Credentials: Credential Artefact on the Cloud Integration for the Revugis Fachmedien.

2.5 Send SanctionsList to SAP GTS

This iflow is called by the Main Iflow Query and send SanctionsList from Revugis Fachmedien to SAP GTS to replicate the data to SAP GTS system.

The script delays the call so that there won't be time out error in the GTS system.

The XI protocol is used for the replication.



2.6 Configuration Steps - Send SanctionsList to SAP GTS

Configure "Send SanctionsList to SAP GTS"

Receiver

Receiver: SAP_GTS_XI

Adapter Type: XI

Connection

Address: `http://{{SAP GTS Host}}/sap/xi/engine?type=receiver&sap-client={{SAP GTS Client}}`

SAP GTS Host: <SAP GTS Host>

SAP GTS Client: <SAP GTS Client>

Location ID: <SAP Cloud Connector LocationID>

Authentication Type: Basic Authentication

Credential Name: <SAP GTS Credential Artefact>

Communication Component: CPI

Communication Component: <SAP GTS System ID>

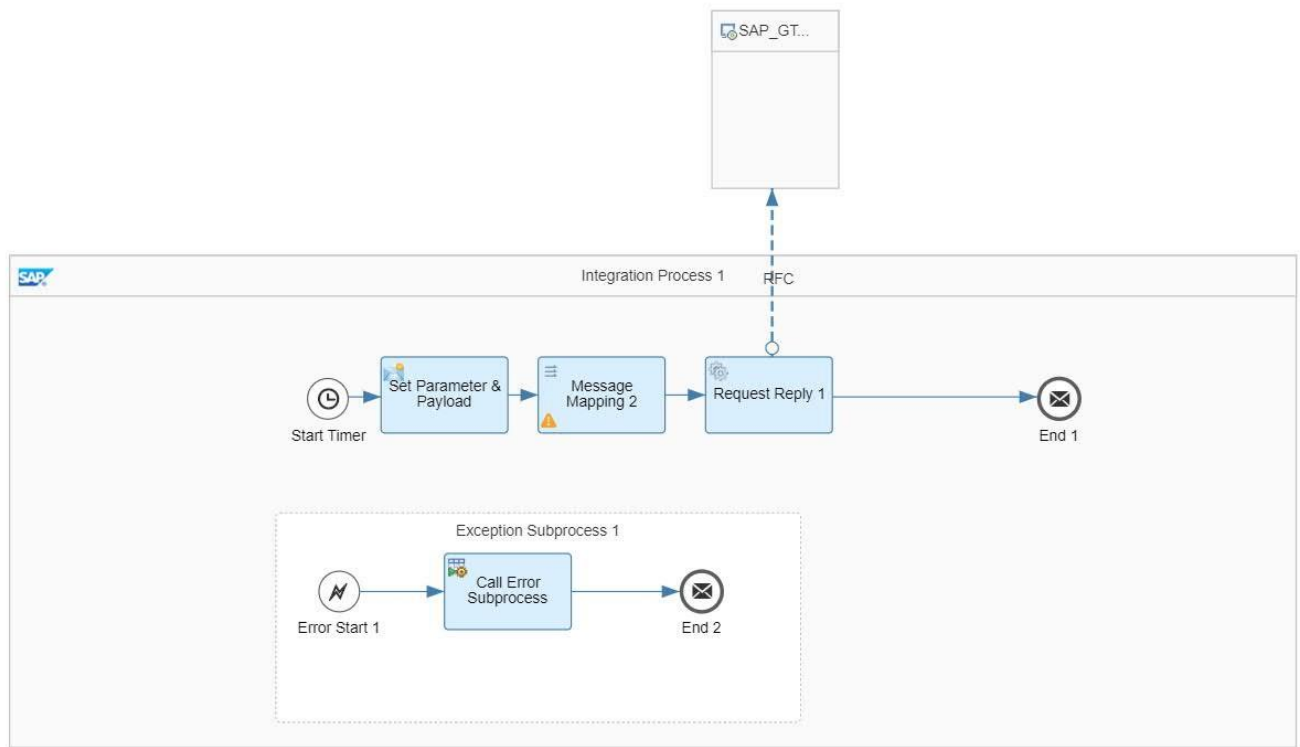
Service Interface: SanctionedPartyListUpdateIn

Service Interface Namespace: http://sap.com/xi/GTS

- SAP GTS Host: Host of the SAP GTS system configured in the Cloud Connector
- SAP GTS Client: Client of SAP GTS
- Location ID: Location ID of the Cloud Connector
- Authentication Type: Basic Authentication
- Credential Name: Artefact name configured in Step 2.2
- Communication Component: Communication Component of the Sender → CPI
- Communication Component: Communication Component of the receiver → System ID of the SAP GTS - Service Interface: SanctionedPartyListUpdateIn
- Service Interface Namespace: http://sap.com/xi/GTS

2.7 Trigger Sanction Lists processing in SAP GTS

This Iflow should start 10 minutes later after the Query and send SanctionsList from Revugis Fachmedien to SAP GTS has been triggered to start the down streamed process in SAP GTS.



One has to configure the parameters, that have been defined in the SAP GTS, in the ICloud Integration in order to start the custom BAPI. The Message Mapping those parameters are mapped to the RFC BAPI inbound payload. The error subprocess catches the error.

2.8 Configuration Steps - Trigger Sanction Lists processing in SAP GTS

Timer:

Set the Timer on a daily regular basis and 10 minutes after the Query and send SanctionsList from Revugis Fachmedien to SAP GTS flow.

Configure "Trigger Sanction Lists processing in SAP GTS"

Timer Receiver More

Timer: Start Timer [StartEvent_74425630]

☐ Run Once
☐ Schedule on Day
☒ Schedule to Recur

Schedule to Recur: Daily

☒ On Time: 03:35 AM
☐ Every: 1 min
 Between 00:00 and 01:00
 Time Zone: (UTC 1:00) Central European Time(Europe/Berlin)

Receiver SAP_GTS_RFC

Configure "Trigger Sanction Lists processing in SAP GTS"

Timer Receiver More

Receiver: SAP_GTS_RFC

Adapter Type: RFC

Destination: <Subaccount RFC Destination to SAP GTS>

Connection

Destination: RFC Destination configured in the SAP BTP (see Chapter 3 SAP BTP – Subaccount RFC Destination) More:

Configure "Trigger Sanction Lists processing in SAP GTS"

Timer

Receiver

More

Type:

All Parameters

GTS_BAPI:

<SAP GTS Event name>

GTS_LGREG:

<SAP GTS Event LGREG>

GTS_Param:

<SAP GTS Event Param>

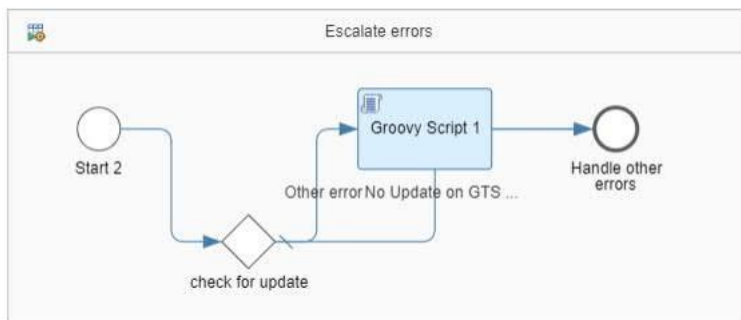
GTS_BAPI: Name of the event configured in SAP GTS

GTS_LGREG: Name of the LGREG Parameter defined in the Event in SAP GTS

GTS_Param: Name of the Param Parameter defined in the Event in SAP GTS

2.9 Adjust Error Handling Process

In the Subprocess “Escalate errors” the Router checks for specific errors, reading the response of the customer function module.



Therefore, please adjust the XPath in route “No Update on GTS side” accordingly:

Route

General

Processing

Expression Type:

XML

Condition:

`/*[local-name()='ZXXX_GTS_SPL_UPD_JOBS.Exception']/Name = 'NO_UPDATE'`

Default Route:

☐

3 SAP BTP – Subaccount RFC Destination

Configuration of the RFC Destination on the BTP subaccount

Destination Configuration

Name: *

Type:

Description:

Proxy Type:

User:

Password:

Alias User:

Repository User:

Repository Password:

Location ID:

Additional Properties

jco.client.client	100	
jco.client.gro...	PUBLIC	
jco.client.lang	EN	
jco.client.ms...		
jco.client.r3n...		

- Type: RFC
- Proxy Type: OnPremise
- User: communication user defined in the SAP GTS System
- Password: Password of this communication user - LocationID: location ID of the cloud connector
- Jco.client.amshost: xxx (as defined in the Cloud Connector)
- jco.client.r3name: xxx (as defined in the Cloud Connector)
- Jco.client.client: SAP GTS client
- Jco.client.lang: EN (System language)
- jco.client.group: PUBLIC

4 Cloud Connector

The cloud connector is used as a reverse inbound proxy to be able to communicate from Cloud to an OnPremise system. One must configure the RFC Destination to the SAP GTS backend system.

Edit System Mapping

Virtual host and port cannot be edited

Back-end Type: **ABAP System**

Protocol: **RFC**

Virtual Host: **disabled**

Virtual Port: **disabled**

*Internal Host: **disabled**

*Internal Port: **disabled**

SAProuter:

Principal Type: **None**

SNC Partner Name:

Host In Request Header: **Use Virtual Host**

Description:

Check Internal Host: ☐

Save Cancel

Please also allow the following resource:

- ZXXX_GTS_SPL_UPD_JOBS (this is the name of the custom BAPI in SAP GTS).

5 Configuration in the SAP GTS System

5.1 ABAP Coding - ZXXX_GTS_SPL_UPD_JOBS

```

/*****
FUNCTION zXXX_gts_spl_upd_jobs.
*-----
*""Lokale Schnittstelle:
*  IMPORTING
*    VALUE(IV_LGREG) TYPE /SAPSLI/LGREG
*    VALUE(IV_EVENT) TYPE BTCEVENTID
*    VALUE(IV_PARAM) TYPE BTCEVTPARM
*  EXPORTING
*    VALUE(EV_OK) TYPE ADSFLAG
*  EXCEPTIONS
*    NO_UPDATE
*    WRONG_EVENT
*-----

DATA: lt_corulobj TYPE STANDARD TABLE OF /sapsll/corulobj,
lt_lgreg TYPE STANDARD TABLE OF /sapsll/t606g, wa_lgreg
TYPE /sapsll/t606g, lv_lgreg TYPE /sapsll/lgreg,
so_date TYPE /sapsll/datab_r_t, lr_lgreg TYPE
/sapsll/lgreg_r_t, lr_date TYPE /sapsll/datab_r_t,
lr_udat TYPE /sapsll/tzntstmps_r_t, gs_debug TYPE
/sapsll/debug_s.

CLEAR ev_ok.

CONSTANTS: BEGIN OF gc_date, alpha
TYPE sy-datlo VALUE '19000101', omega
TYPE sy-datlo VALUE '99991230', END OF gc_date.

FIELD-SYMBOLS
<fs_date> TYPE /sapsll/datab_r_s.

*----- Gesetzliche Grundlage
IF iv_lgreg CS '*'.
  REPLACE '*' WITH '%' INTO iv_lgreg.
ENDIF.

SELECT * FROM /sapsll/t606g INTO TABLE lt_lgreg
WHERE lgreg LIKE iv_lgreg.

LOOP AT lt_lgreg INTO wa_lgreg.
  CLEAR lv_lgreg.
  lv_lgreg = wa_lgreg-lgreg.

*----- Baustein zur Konvertierung
CALL FUNCTION '/SAPSLI/APPEND_RANGE'
EXPORTING
  iv_value_low = lv_lgreg
  is_debug = gs_debug
CHANGING
  ct_range = lr_lgreg[]
EXCEPTIONS
  invalid_range_structure = 1
  OTHERS = 2.

```

```

*----- Fehlerverarbeitung
  IF sy-subrc <> 0.
    MESSAGE ID sy-msgid TYPE sy-msgty NUMBER sy-msgno
  WITH sy-msgv1 sy-msgv2 sy-msgv3 sy-msgv4. ENDIF.
ENDLOOP.

*----- Baustein zur Konvertierung
  CALL FUNCTION '/SAPSLI/APPEND_RANGE'
    EXPORTING
      iv_value_low= sy-datum      is_debug
= gs_debug
    CHANGING
      ct_range          = so_date[]
    EXCEPTIONS
invalid_range_structure = 1
    OTHERS              = 2.

*----- Fehlerverarbeitung
  IF sy-subrc <> 0.
    MESSAGE ID sy-msgid TYPE sy-msgty NUMBER sy-msgno
  WITH sy-msgv1 sy-msgv2 sy-msgv3 sy-msgv4. ENDIF.

*----- Datum vorkonvertieren zur Baustein-Nutzung
  MOVE so_date[] TO lr_date[].
  LOOP AT lr_date ASSIGNING <fs_date>.
    IF <fs_date>-low IS INITIAL AND NOT <fs_date>-high IS INITIAL.
      <fs_date>-low = gc_date-alpha.
    ENDIF.
  ENDLOOP.

*----- Datum in Zeitstempel konvertieren
  CALL FUNCTION '/SAPSLI/CONVERT_DATE_STAMP_RNG'
    EXPORTING
      ir_date      = lr_date
iv_timezone = sy-zonlo
    IMPORTING
      ir_time_stamp = lr_udat.

REFRESH: lt_corulobj.

SELECT * FROM /sapsli/corulobj INTO TABLE lt_corulobj
  WHERE objky IN lr_lgreg AND uldat IN lr_udat.

  IF sy-subrc IS NOT INITIAL.
    RAISE no_update.
    EXIT.
  ENDIF.

CALL FUNCTION 'BP_EVENT_RAISE'
  EXPORTING
    eventid          = iv_event
    eventparm        = iv_param
  EXCEPTIONS
    bad_eventid      = 1
    eventid_does_not_exist = 2
    eventid_missing  = 3
    raise_failed     = 4
    OTHERS           = 5
.

```

ENDFUNCTION.

Attributes

Import Parameter

Function module

ZFHG_GTS_SPL_UPD_JOBS

Active

Attributes

Import

Export

Changing

Tables

Exceptions

Source code

Parameter Name	Typing	Associated Type	Pass by ...	Short text
EV_OK	TYPE	ADSFLAG	<input checked="" type="checkbox"/>	

Configuration Guide

☒ Access to SLD Server Using RFC
☒ Access to SLD Server Using HTTP (recommended)
☐ Connection Parameter Entered Here
☒ Connection Using HTTP Destination (recommended)

☐ Alias Name Prim. HTTP Destination Configuration
☐ **ALIAS** ☒ **SAP_GTS_SRV_PSL** **68**

- Message Server Port: 443 (for http)
- Instance number: 00
- Add new client: Client of the SAP GTS System

Create new business System:

Details

Allgemein **Integration** Transport Installierte Software

Sichern

Rolle: Application System
 Zugehöriger Integration Server: (Kein)
 Gruppe: (Keine Gruppe zugeordnet)
 Technisches System: [SLD Server \(SAP GTS\)](#) [Ändern](#)
 Client: [Client of SAP GTS](#)
 Logischer Systemname: [System](#) ⓘ
 Konfiguration-URL:

In SAP GTS System:

Current Configuration								
Doc...	Category	Parameters	Subparameter	Prefix	Current Value	Default Value	Last Ch	
<input type="checkbox"/>	<input checked="" type="checkbox"/> RUNTIME	ENGINE_TYPE	+	<input type="checkbox"/>	LOC	UNDEFINED	08.04.20	
<input type="checkbox"/>	<input checked="" type="checkbox"/> RUNTIME	IS_URL		<input type="checkbox"/>	https://slsapgw01.sap.com:443		08.04.20	

- Configure connection to SLD from SAP GTS System TCode: SLDAPICUST:
- Hostname: Hostname of the SLD Server
- Port
- User: technical User as defined in SLD

Configure Integration Engine in SAP GTS System TCode

SXMB_ADMIN:

Compliance Management

Sanctioned Party List Screening
Legal Control - Import
Legal Control - Export
Classification / Master Data

Customs Management

Export
Import
Monitoring for Inventory-Managed Customs Procedures
Control of Goods Movements Subject to Excise Duty
Classification
Master Data

Risk Management

Preference Processing
Preference Processing - Master Data
Restitution
Restitution - Master Data
Letter of Credit Processing

Electronic Compliance Reporting

Intrastat
Commodity Codes / Classification
Master Data

System Administration

Archiving
System Monitoring
System Communication



Integration Engine: Administration und Monitoring

- Integration Engine
 - Monitoring
 - Monitor für verarbeitete XML-Messages
 - Archivierte XML-Messages (Suche über Archiv)
 - Archivierte XML-Messages (Komplexe Suchkriterien)
 - Job-Übersicht
 - Monitor für Hintergrundjobs
 - Analyse der Persistenzschicht
 - Statusmonitor der Sync/Async-Kommunikation
 - Exchange Profile Monitor
 - Administration
 - Queues verwalten
 - Archivierungsjob einplanen
 - Löschjobs einplanen
 - Einstellungen zur Fehleranalyse
 - Konfiguration
 - Ereignisgesteuerte Message-Verarbeitung konfigurieren
 - Filter für Queue-Priorisierung konfigurieren
 - Sender/Empfänger-ID konfigurieren
 - Integration Engine konfigurieren
 - Löschverfahren konfigurieren
 - Interfaces für Archivierung und Verweilzeiten festlegen
 - Pipeline-Definition anzeigen
 - Weitergabe von Benutzeridentitäten konfigurieren

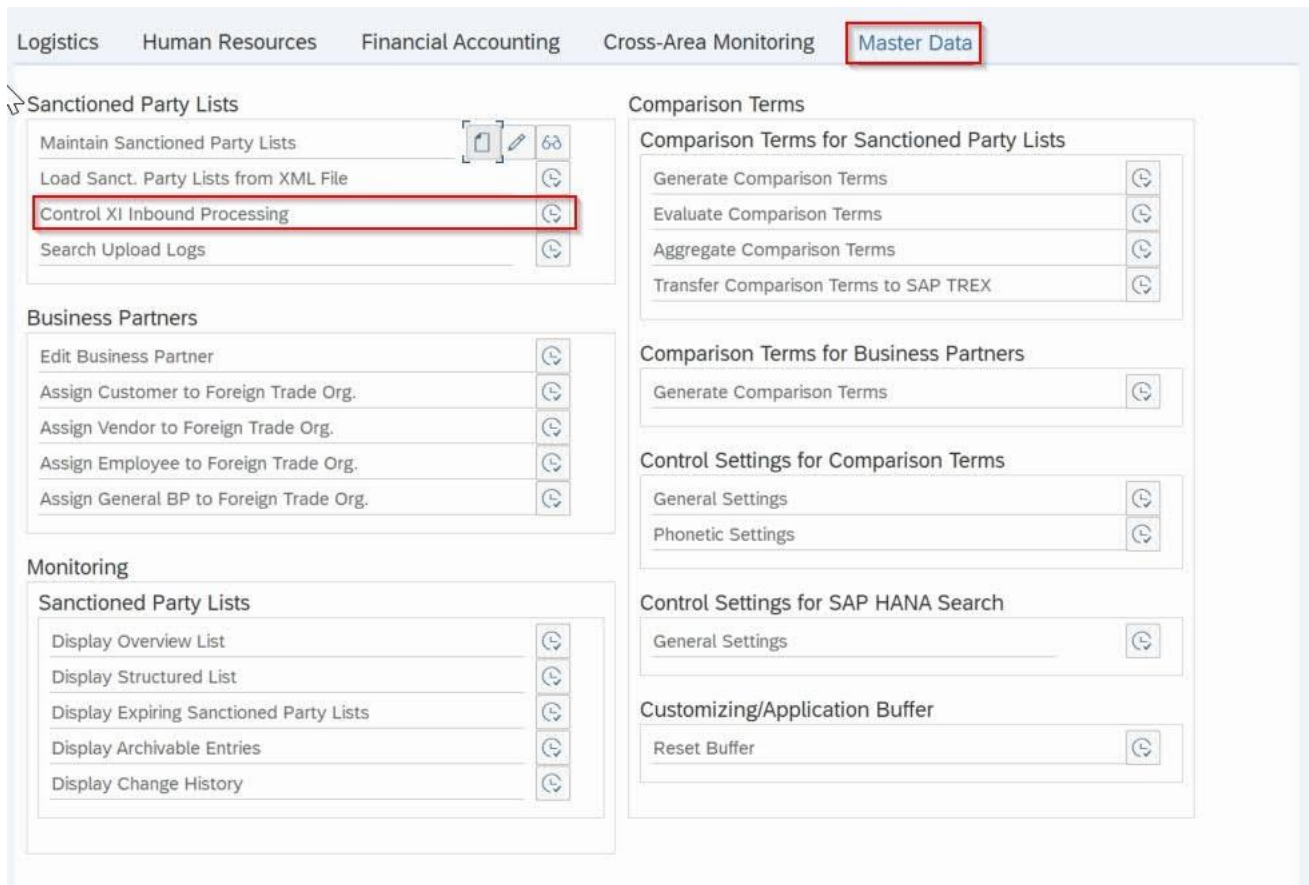
Via configuration → new entry maintain the following entries

5.4 Configuration in SAP GTS Menu

In the SAP GTS menu one must define the master data for the upload.

Open GTS Menu: TCode /SAPSL/MENU_LEGAL

- Control XI Inbound Processing



Maintain the following Parameters:

Sicht "Steuerung der XI-Eingangsverarbeitung"

Bereich	GPartner	Datenobjkt	G.Gr.
LECSPL Sankt...	DOW_JONES	01 Sanktions...	SPLUS
LECSPL Sanktic	MKDATA	01 Sanktions...	SPLUS

5.5 Create Business Partner for Processing the Data

For processing the upload of the data from Revugis Fachmedien a Business partner needs to be created in the SAP GTS System. This Business Partner needs to be maintained in the Iflow.