SAP Finance Applications Integration with ELSTER Finance Tax Integration for Germany (UStVA)

SAP Cloud Platform Integration Configuration





TABLE OF CONTENTS

1. OVERVIEW AND PREREQUISITES	.3
1.1 Configure SAP CLOUD PLATFORM INTEGRATION	.3
1.1.1 Initial Configuration of the Cloud Integration Tenant	.3
1.1.2 ELSTER certificates for SAP Cloud Integration	.3
2 SETUP STEPS IN SAP CLOUD PLATFORM INTEGRATION	.3
2.1 Copy Published Package "SAP Finance Applications Integration with ELSTER" to your Package	.3
2.2 Configure Integration Flow for Finance Data	.4
2.2.1 Configure Sender Tab	.4
3. DEPLOY CERTIFICATES FOR SAP CLOUD INTEGRATION	.5
3.1 CPI - Using Multiple Certificates for Different Companies	.7
4. SETUP OF THE FINANCE SYSTEM	.8
4.1 Set up HTTPS Connection to CPI System	.8
4. 2 Finance Customizing	11
4.2.1 FOTED1	11
4.2.2 FOTED2	12
5. TESTING	13
6. ERROR HANDLING1	13
7. EXTERNAL INFORMATION AND LINKS	13

1. OVERVIEW AND PREREQUISITES

This integration package enables you to transfer German tax-specific notifications to the authority. The following notifications are supported: UStVA.

For the transfer, the integration package applies specific requirements for message security, which are set by the German authorities. Therefore, the integration package uses the mandatory ERiC Libraries. The functionality is valid for German customers only. On-Premise System (ERP min. Release 6.00), SAP Simple Finance and S/4 HANA.

Before you start with the activities described in this document, ensure that the following prerequisites are met:

1.1 Configure SAP CLOUD PLATFORM INTEGRATION

1.1.1 Initial Configuration of the Cloud Integration Tenant

SAP CLOUD PLATFORM INTEGRATION (CPI) test and productive tenants are live and users in the tenants have sufficient rights and privileges to copy the integration package and to configure and deploy the integration flow. To deploy the security content, role "AuthGroup.Administrator" is required.

Set up and configure the Cloud Platform Integration tenant as described in the *Get Started* documentation for SAP Cloud Platform Integration. <u>https://help.sap.com/viewer/368c481cd6954bdfa5d0435479fd4eaf/Cloud/en-US/e7b1eaa2246641b3a6188233cf219ab8.html</u>

For the subsequent configuration of the Finance System, note down the URL of the tenant (the TMN URL you received when the tenant was provisioned).

1.1.2 ELSTER certificates for SAP Cloud Integration

To exchange data with the authority, you need one or more certificates from the authority. These certificates can be obtained from the ELSTER Online-Portal. If you already use the data exchange with the authority and you want to switch communication from middleware Business Connector (BC) or PI/PO to CPI, you must use the existing certificates.

The ELSTER certificates are files in PFX format (<filename>.pfx) and are password-protected.

For subsequent configuration, make sure that the certificate file and password are available.

2 SETUP STEPS IN SAP CLOUD PLATFORM INTEGRATION

2.1 Copy Published Package "SAP Finance Applications Integration with ELSTER" to your Package

Go to the "Discover" chapter of your tenant and find the package "SAP Finance Applications Integration with ELSTER":

Click on package name, then click "Copy" in the upper left corner.

Note: the package version on the screenshot may differ from the current one.

2.2 Configure Integration Flow for Finance Data

These steps are optional. Steps 2.2 and 2.2.1 are only necessary if the package is copied more than once or if it was not possible to use the default URL for the connection with the Finance System.

Design / S/	AP Finance Appli	cations Integration with	ELSTER	27		Edit E	Export Delete Pa	ckage
S/ El	AP Finance _STER	Applications I	ntegra	ation with				
Finance Inte notifications	gration to transfe to the authority	r German tax-specific	Ven Vers Mod	dor: SAP sion: 1.0.0 le: Editable				
Overview	Anilacts (1)	Documents (1)	rags	Actions ~	Filter A	Artifacts		Q
Name				Туре		Version	Actions	
Send Fina Integratio authority Created	ance Tax Data n Flow to exchan in Germany.	ge Finance notification	s with the	Integration tax	Flow	1.1.0	Copy View metada	a
							Download	
							Configure	
							Deploy	

Figure 1. ELSTER integration package "Artifacts" tab

2.2.1 Configure Sender Tab

Address: Update the connection address to a name that allows you to differentiate between different packages (for example, /ELSTER_HTTP_Sender_1). As previously mentioned, you should only change this default value if absolutely necessary.

User Role: If you want to use a specific role for the ELSTER Integration Flow you can select a user role different from ESBMessaging.send. This role must be created in Cloud Platform Cockpit. You should only change this default value if absolutely necessary.

Sender				
Sender:	SAP	\sim		
Adapter Type:	HTTPS	~		
Connection			-	
Address:	/FI_ELSTER_HTTP			
User Role:	ESBMessaging.send			

Figure 2. "Send Finance Tax Data to German Tax Office" iFlow - Sender adapter properties

3. DEPLOY CERTIFICATES FOR SAP CLOUD INTEGRATION

The certificates for the data exchange with the authority are stored in the CPI Keystore. Therefore, add certificate <filename>.pfx provided from the authority to the CPI Keystore.

1. Navigate to the keystore. Overview -> Manage Security -> Keystore

	SAP	SAP Clou	ud Platform Integration		Data Services 🛞
Ø	Overview				
۲	Monitor Message Processir	ng			
ô	All Integration Flows Past Hour O Messages	All Integration Flows Past Hour D Failed Messages	All Integration Flows Past Hour O Retry Messages	All Integration Flows Past Hour O Completed Messages	+
	Manage Integration Conten	t			
	ан 16 ан	All 12 started	All Brror	+	
	Manage Security				
	Security Material	Keystore	Certificate-to-User Mappings	JDBC Data Sources	Connectivity Tests
	4 Artifacts	10 Entries	O	O Artifacts	

Figure 3. Monitor Keystore

2. Add the PFX-file with the certificate to the keystore. Choose Add -> Keystore

≡	SAP			SAP Cloud Platform	Integration				Data S	ervices	8 (
Ø	Overview / M	anage Keys	tore								
ı	Current	Backup	New SAP keys	SAP Key History							
۲											
Ŷ	Entries (10)			Filter by Alias	Q	Back Up	Create 🗸	Add 🧹	Download	C	Ŷ
	Alias				Туре	9	Owi	Certificate		Actions	5
							Ten	Key Pair	a)r		
								Keystore			

Figure 4. Add PFX-File to the keystore

*Keystore:	pfx	Browse
*Passphrase:	•••••	
Action:	Add 🗸	
	Overwrite existing entries	

Figure 5. Add PFX-File to the keystore

After adding the PFX-file to the CPI Keystore, you will find two new entries in the certificate list of the keystore. The new entries are called *encyptionkey* and *signaturekey*.

3. Rename the new entries

One of the certificates in the PFX-file is for the encryption and one is for the signature.

Rename entry encryptionkey to [prefix]_enc and entry signaturekey to [prefix]_sig.

Remarks:

- The suffixes _enc and _sig are obligatory and cannot be changed.
- The *[prefix]* is a placeholder. Enter here the Digitale Signatur Key Store Entry Parameter that you configure in your Finance Customizing (see 4.2.2).

For more information about certificate deployment in SAP Cloud Platform Integration, see SAP Note 2469460 "Key-store management in SAP Cloud Platform Integration for process services".

3.1 CPI - Using Multiple Certificates for Different Companies

If it is necessary to use different certificates for multiple companies, you must upload these pfx-files to the CPI keystore. Make sure that you rename each of the two different keys with suffix _*enc* and _*sig*. Example:

Company ABC (DE01)		Company XYZ	(DE02)
Key Store	Finance System	Key Store	Finance System
elster_fi_de01_enc	elster_fi_de01	elster_fi_de02_enc	elster_fi_de02
_elster_fi_de01_sig		_elster_fi_de02_sig	

4. SETUP OF THE FINANCE SYSTEM

In the Finance system, you need to configure the HTTPS connection to the CPI solution and also configure some additional Customizing tables.

Please note that if you are using SAP Cloud Platform Integration in the Cloud Foundry environment, you need to set up secure inbound communication using client certificates. Step-by-step instructions on how to do this can be found in the blog article "Cloud Integration on CF – How to Set Up Secure HTTP Inbound Connection with Client Certificates": <u>https://blogs.sap.com/2019/08/14/cloud-integration-on-cf-how-to-setup-secure-http-inbound-connection-with-client-certificates/</u>. Otherwise, follow the instructions below to set up a secure HTTPS connection between the application system (HR/Finance) and the Cloud Integration tenant.

4.1 Set up HTTPS Connection to CPI System

To set up the HTTPS connection, you need the URL of the tenant (the TMN URL you received when the tenant was provisioned). You can also find the URL in the CPI Overview -> Manage Integration Content by clicking on the Integration Content.

Send Fi	nance Tax Da	ata	Restart U	Indeploy 000
Deployed Or Deployed By	n: Jul 12, 2019, 14:5	2:44 ID: Send_ Version: 1	FI_Tax_Data 0.23	
Endpoints	Status Details	Artifact Details	Log Configuration	
https://	1		/http/FI_ELSTER_HTTP	, E
Status D	Details			

The Integration Flow is deployed successfully.

Figure 6. Manage Integration Content - Details Send Finance Tax Data to German Tax Office

To setup a secure HTTPS connection between the application system (HR/Finance) and the Cloud Integration tenant, add the load balancer root certificate to the HR/Finance trust store. Further details are available in the

blog article "Cloud Integration – How to Set Up Secure HTTP Inbound Connection with Client Certificates": https://blogs.sap.com/2017/06/05/cloud-integration-how-to-setup-secure-http-inbound-connection-with-client-certificates/

- 1. Start transaction SM59.
- 2. To create a new connection, select Edit-> Create.
- 3. For the RFC destination, enter value FI_DE_ELSTER_CPI for the connection name.
- 4. Set connection type G (http connection to external serv).
- 5. Enter ELSTER HTTPS CPI connection in the Description field.
- 6. On the Technical Settings tab, enter the following values:
 - a. *Target Host:* < IFLMAP URL for the CPI tenant> Note: Make sure that you don't enter https:// in the field *Target Host* Example: 1234567890-iflmap.hcisbp.eu3.hana.ondemand.com
 - b. Service No.: 443
 - c. *Path Prefix:* /http/FI_ELSTER_HTTP
 - d. http Proxy Options < Enter own proxy values>

Example:

Connection Test	t	69				
RFC Destination		FI_DE_ELSTER_C	PI	1		
Connection Type	G	HTTP Connection	to External Server			Description
Description						
Description 1						
Description 2						
Description 3	Į.					
Target System Set	ttings	;				-
Targee System Set	cinga			Port	443	
Host	-			TOLC		
Host Path Prefix	/h	ttp/FI_ELSTER_H	HTTP	TOLC		
Host Path Prefix	/h	ttp/FI_ELSTER_H	HTTP	1010		
Host Path Prefix HTTP Proxy Option	/h	ttp/FI_ELSTER_I	HTTP	1010		
Host Path Prefix HTTP Proxy Option Global Configur	/h ns ation	ttp/FI_ELSTER_H	HTTP			
Host Path Prefix HTTP Proxy Optior Global Configur Proxy Host	/h ns ation	ttp/FI_ELSTER_I	HTTP			
Host Path Prefix HTTP Proxy Option Global Configur Proxy Host Proxy Service	/h ns ation	ttp/FI_ELSTER_H	HTTP			
Host Path Prefix HTTP Proxy Option Global Configur Proxy Host Proxy Service Proxy User	/h ns ation	ttp/FI_ELSTER_H				

Figure 7. Transaction SM59 - Customizing HTTPS Connection

7. Logon & Security tab

There are two options for setting up the authentication: basic authentication or client certificate-based authentication. The more secure option is to use client certificates.

Basic Authentication

 Create a user in Cloud Integration and assign the ESBMessaging.send role. More information can be found in the documentation in chapter *Defining Permissions for senders to Process Messages on the Runtime Node*. <u>https://help.sap.com/viewer/368c481cd6954bdfa5d0435479fd4eaf/Cloud/en-</u> <u>US/24585cc503334e6c917ef383efb5558a.html?g=ESBMessaging.send</u>

In the Logon & Security tab enter:

- a. Logon with user: Choose Basic Authentication and enter a valid user and password for logging on to CPI
- b. Logon with ticket: Select Do Not Send Logon Ticket
- c. Security options: Select SSL Active and SSL Certificate Default SSL Client (Standard)

Example:

Connection Te	st 69.		
RFC Destination	FI DE ELSTER CPI		
Connection Type	G HTTP Connection to External Server		Description
escription			
Description 1			
Description 2			
Description 3			
Administration	Technical Settings Logon & Security	Special Options	
Logon Procedure			
Logon with User			
O Do not use a	user		
Basic authent	ication		
User			
User PW Status	saved		
User PW Status Logon with Tick	saved		
User PW Status Logon with Tick	saved et ogon ticket		=/
User PW Status Logon with Tick Do not send • Send ticket v	saved et ogon ticket ithout reference to target system		=/
User PW Status Logon with Tick O Do not send Send ticket v Send assertio	saved et ogon ticket ithout reference to target system n ticket for dedicated target system		=
User PW Status Logon with Tick Do not send Send ticket v Send assertion System ID	saved saved et ogon ticket ithout reference to target system n ticket for dedicated target system Client		=[
User PW Status Logon with Tick Do not send Send ticket v Send assertio System ID Logon with MQ1	saved et ogon ticket ithout reference to target system n ticket for dedicated target system Client T		
User PW Status Logon with Tick Do not send Send ticket v Send assertio System ID Logon with MQT User	saved et ogon ticket ithout reference to target system n ticket for dedicated target system Client T		
User PW Status Logon with Tick Do not send Send ticket v Send assertio System ID Logon with MQT User PW Status	saved saved st sogon ticket ithout reference to target system ticket for dedicated target system Client T is initial		
User PW Status Logon with Tick Do not send Send ticket v Send assertio System ID Logon with MQ1 User PW Status	saved et ogon ticket vichout reference to target system n ticket for dedicated target system Client T is initial		
User PW Status Do not send Send ticket v Send assertio System ID Logon with MQ1 User PW Status	saved et ogon ticket ithout reference to target system ticket for dedicated target system Client T is initial		
User PW Status Logon with Tick Do not send Send ticket v System ID Logon with MQT User PW Status Security Options	saved sogon ticket ogon ticket ithout reference to target system ticket for dedicated target system Client T is initial		
User PW Status Logon with Tick Do not send Send ticket v Send assertio System ID Logon with MQT User PW Status Security Options Status of Secure	saved saved st sogon ticket ithout reference to target system ticket for dedicated target system Client T is initial Protocol		
User PW Status Logon with Tick Do not send Send ticket v Send ticket v Send assertio System ID Logon with MQ1 User PW Status Security Options Status of Secure SSL	saved saved st sogon ticket ithout reference to target system Client T is initial Protocol Inactive Active		

Figure 8. Transaction SM59 - Customizing HTTPS Connection

Client certificate-based authentication

 Set up the client certificate in the HR/Finance system and upload to Cloud Integration in the certificate-touser mapping as described in the blog *How to setup secure http inbound connection with client certificates*. <u>https://blogs.sap.com/2017/06/05/cloud-integration-how-to-setup-secure-http-inbound-connection-with-client-certificates/</u>

4. 2 Finance Customizing

4.2.1 FOTED1

Customization takes place in two steps. First, run transaction FOTED1. Enter return type 0001 and execute.



You can also use return types 0011 or 0012. These will also be transmitted via the CPI as long as you make the corresponding change to the transmission method in return type 0001.

Create a new entry. Enter a company code, the country (DE), select the **Transfer Type**, and define the **Period**. For **Transfer Type**, select **CP**. **Save** your changes.

:								
< SAP								
	∼ Det	ails New Entries Copy As Delete	Un	do Change	Select All	Select Block	Deselect All	More
Return	Type: Electroni	c Advance Return for Tax on Sales/Purchase	s	~				
	.)							
Settings Electr	onic Data Tran	smission						
Dom.Enterp	Rep.Cntry	BCXI		Transfer	Period			
0001								_
1000	DE	Cloud Platform Integration	\sim		Month			\sim
1000	DE	Cloud Platform Integration Download (No Transfer)	~		Month Year			~
1000 CZ01	DE DE CZ	Cloud Platform Integration Download (No Transfer) Business Connector	~		Month Year Month			~ ~
0001 1000 cZ01 F001	DE DE CZ BE	Cloud Platform Integration Download (No Transfer) Business Connector Download (No Transfer)	~ ~ ~		Month Year Month Month			> > > > > >
0001 1000 CZ01 F001 F001	DE DE CZ BE DE	Cloud Platform Integration Download (No Transfer) Business Connector Download (No Transfer) Download (No Transfer)	~ ~ ~ ~		Month Year Month Month Month			> > > > >
0001 1000 CZ01 F001 F001 F001	DE DE CZ BE DE FR	Cloud Platform Integration Download (No Transfer) Business Connector Download (No Transfer) Download (No Transfer) Download (No Transfer)	> > > > > > >		Month Year Month Month Month Month			> > > > > >
0001 1000 CZ01 F001 F001 F001 F001	DE DE CZ BE DE FR PL	Cloud Platform Integration Download (No Transfer) Business Connector Download (No Transfer) Download (No Transfer) Download (No Transfer) Download (No Transfer)	~ ~ ~ ~ ~ ~ ~ ~ ~		Month Year Month Month Month Month Month			> > > > > > > > >
0001 1000 C201 F001 F001 F001 F001 TDT1	DE DE CZ BE DE FR PL ZT	Cloud Platform Integration Download (No Transfer) Business Connector Download (No Transfer) Download (No Transfer) Download (No Transfer) Download (No Transfer) Download (No Transfer)	> > > > > > > > > > > > > > > > > > >		Month Year Month Month Month Month Month Month			
0001 1000 CZ01 F001 F001 F001 F001 TDT1	DE DE CZ BE DE FR PL ZT	Cloud Platform Integration Download (No Transfer) Business Connector Download (No Transfer) Download (No Transfer) Download (No Transfer) Download (No Transfer) Download (No Transfer)	> > > > > > > > > > > > > > > > > > > >		Month Year Month Month Month Month Month			> > > > > > > > > > > > > > > > > > >

4.2.2 FOTED2

Run transaction FOTED2. Enter the return type, then enter the company code that you defined in the previous configuration step. Enter the country key (DE), and execute. Then fill in the required fields as shown in Figure 12.

_	D. (
=	Determine Work Area: Entr	у	×					
Field Name	Return Typ	Work Area						
	Dominant Enterprise/Company C	0001						
	Country of Reporting Authorit	ty: DE D						
	✓ Further select	cond. Append [3]	*					
Figure 11	1. Transaction F	OTED2						
<	SAP							
	\sim	Copy As	Undo Change	Select All	Select Block	Deselect All	More \checkmark	
	Return Type	Electronic	Advance Return	for Tax on Sa	ales/Purchases	\sim		
	Dem Ent/CoCode	1010						
	Dom.Ent./CoCode	. 1010						
	Rep. Country	DE						
Paramet	ter Values Electron	ic Data Trar	nsmission					
Report	ting Country Spec Par	ameter Text		Paramete	r\/alue Elect Dat	ta Transmission		
Report	ting Country-Spec. Para	ameter Text		Paramete	rValue Elect. Dat	ta Transmission		
Report	ting Country-Spec. Para zamtsnummer	ameter Text		Paramete	rValue Elect. Dat	ta Transmission		
Report	ting Country-Spec. Para zamtsnummer chnung der Rückersta gwished Name Steuer	ameter Text ttung		Paramete	rValue Elect. Dai	ta Transmission		
Report	ting Country-Spec. Para zamtsnummer chnung der Rückersta guished Name Steuer guished Name Steuer	ameter Text ttung pflichtiger		Paramete	rValue Elect. Dat	ta Transmission		
Report Finanz Verrec Disting Belegg	ting Country-Spec. Para zamtsnummer chnung der Rückersta guished Name Steuerj guished Name Steuert e werden gesondert e	ameter Text ttung pflichtiger behörde		Paramete	rValue Elect. Dat	ta Transmission		
Report Finanz Finanz Verrec Disting Belege Digital	ting Country-Spec. Para zamtsnummer chnung der Rückersta guished Name Steuerj guished Name Steuerl e werden gesondert e I Sinnieren	ttung pflichtiger behörde ingereicht		Paramete	rValue Elect. Dai	ta Transmission		
Report Finanz Verrec Disting Belege Digital	ting Country-Spec. Para zamtsnummer chnung der Rückersta guished Name Steuer guished Name Steuer e werden gesondert e I Signieren zende Angaben Zeile	ttung pflichtiger behörde ingereicht		Paramete	rValue Elect. Dai	ta Transmission		
Report Finanz Verrec Disting Belege Digital Ergänz Ergänz	ting Country-Spec. Para zamtsnummer chnung der Rückersta guished Name Steuerj guished Name Steuerj e werden gesondert e I Signieren zende Angaben Zeile zende Angaben Zeile	ameter Text ttung pflichtiger behörde ingereicht 1		Paramete	rValue Elect. Dai	ta Transmission		
Report Finanz Verrec Disting Disting Belege Digital Ergän: IP-Adr	ting Country-Spec. Para zamtsnummer chnung der Rückersta guished Name Steuer guished Name Steuer e werden gesondert e I Signieren zende Angaben Zeile zende Angaben Zeile resse 1 der Finanzver	ttung pflichtiger behörde ingereicht 1 2 waltung		Paramete	rValue Elect. Dai	ta Transmission		
Report Finanz Verrec Disting Disting Belege Digital Ergänz IP-Adr IP-Adr	ting Country-Spec. Para zamtsnummer chnung der Rückersta guished Name Steuer guished Name Steuer guished Name Steuer e werden gesondert e I Signieren zende Angaben Zeile zende Angaben Zeile resse 1 der Finanzver resse 2 der Finanzver	ameter Text ttung pflichtiger behörde ingereicht 1 2 waltung waltung		Paramete	rValue Elect. Dai	ta Transmission		
Report Finanz Verrec Disting Disting Belege Digital Ergänz IP-Adr IP-Adr	ting Country-Spec. Para zamtsnummer chnung der Rückerstar guished Name Steuer guished Name Steuer e werden gesondert e I Signieren zende Angaben Zeile zende Angaben Zeile resse 1 der Finanzver resse 2 der Finanzver	ameter Text ttung pflichtiger behörde ingereicht 1 2 waltung waltung waltung waltung		Paramete	rValue Elect. Dai	ta Transmission		
Report Finanz Verrec Disting Disting Belege Digital Ergänz IP-Adr IP-Adr IP-Adr IP-Adr	ting Country-Spec. Para zamtsnummer chnung der Rückersta guished Name Steuerj guished Name Steuerj e werden gesondert e I Signieren zende Angaben Zeile zende Angaben Zeile resse 1 der Finanzver resse 2 der Finanzver resse 3 der Finanzver	ameter Text ttung pflichtiger behörde ingereicht 1 2 waltung waltung waltung waltung waltung		Paramete	rValue Elect. Da	ta Transmission		
Report Finanz Verrec Disting Belege Digital Ergänz IP-Adr IP-Adr IP-Adr IP-Adr Digital	ting Country-Spec. Para zamtsnummer chnung der Rückersta guished Name Steuerj guished Name Steuerj e werden gesondert e I Signieren zende Angaben Zeile zende Angaben Zeile zende Angaben Zeile zesse 1 der Finanzver resse 2 der Finanzver resse 3 der Finanzver resse 4 der Finanzver le Signatur Key Store	ameter Text ttung pflichtiger behörde ingereicht 1 2 waltung waltung waltung waltung Entry		Paramete	rValue Elect. Dai	ta Transmission		
Report Finanz Verrec Disting Belege Digital Ergän: IP-Adr IP-Adr IP-Adr IP-Adr Digital Digital	ting Country-Spec. Para zamtsnummer chnung der Rückersta guished Name Steuer guished Name Steuer e werden gesondert e I Signieren zende Angaben Zeile zende Angaben Zeile resse 1 der Finanzver resse 2 der Finanzver resse 3 der Finanzver resse 4 der Finanzver le Signatur Key Store le Signatur Key Store	ameter Text ttung pflichtiger behörde ingereicht 1 2 waltung waltung waltung Entry View		Paramete	rValue Elect. Dai	ta Transmission		
Report Finanz Verrec Disting Belege Digital Ergän: Ergän: IP-Adr IP-Adr IP-Adr Digital Digital Digital	ting Country-Spec. Para zamtsnummer chnung der Rückersta guished Name Steuer guished Name Steuer guished Name Steuer e werden gesondert e I Signieren zende Angaben Zeile zende Angaben Zeile resse 1 der Finanzver resse 2 der Finanzver resse 3 der Finanzver resse 4 der Finanzver le Signatur Key Store le Signatur Key Store Adresse der Kontaktp	ameter Text ttung pflichtiger behörde ingereicht 1 2 waltung waltung waltung waltung Entry View verson		Paramete	rValue Elect. Da	ta Transmission		
Report Finanz Verrec Disting Belege Digital Ergän: Ergän: IP-Adr IP-Adr IP-Adr Digital Digital eMail- Berufs	ting Country-Spec. Para zamtsnummer chnung der Rückersta guished Name Steuer guished Name Steuer guished Name Steuer e werden gesondert e I Signieren zende Angaben Zeile zense Angaben Zeile resse 1 der Finanzver resse 2 der Finanzver resse 3 der Finanzver le Signatur Key Store le Signatur Key Store Adresse der Kontaktp sbezeichnung Kontaktp	ameter Text ttung pflichtiger behörde ingereicht 1 2 waltung waltung waltung Entry View verson person		Paramete	rValue Elect. Dai	ta Transmission		
Report Finanz Verrec Disting Belege Digital Ergănz Ergănz IP-Adr IP-Adr IP-Adr IP-Adr Digital Oigital eMail- Berufs	ting Country-Spec. Para zamtsnummer chnung der Rückersta guished Name Steuer guished Name Steuer guished Name Steuer e werden gesondert e I Signieren zende Angaben Zeile resse 1 der Finanzver resse 2 der Finanzver resse 3 der Finanzver le Signatur Key Store le Signatur Key Store Adresse der Kontaktp sbezeichnung Kontaktp der Kontaktperson	ameter Text ttung pflichtiger behörde ingereicht 1 2 waltung waltung waltung waltung Entry View berson person		Paramete	rValue Elect. Dai	ta Transmission		
Report Finanz Verrec Disting Disting Ergănz Ergănz IP-Adr IP-Adr IP-Adr IP-Adr Digital eMail- Berufs Name Telefo	ting Country-Spec. Para zamtsnummer chnung der Rückerstar guished Name Steuer guished Name Steuer guished Name Steuer e werden gesondert e I Signieren zende Angaben Zeile resse 1 der Finanzver resse 2 der Finanzver resse 3 der Finanzver resse 3 der Finanzver le Signatur Key Store le Signatur Key Store kadresse der Kontaktp sbezeichnung Kontakt der Kontaktperson	ameter Text ttung pflichtiger behörde ingereicht 1 2 waltung waltung waltung waltung Entry View verson person		Paramete	rValue Elect. Dai	ta Transmission		
Report Finanz Verrec Disting Disting Ergănz Ergănz IP-Adr IP-Adr IP-Adr IP-Adr IP-Adr Digital Berufs Name Telefo Ort de	ting Country-Spec. Para zamtsnummer chnung der Rückersta guished Name Steuer guished Name Steuer guished Name Steuer e werden gesondert e I Signieren zende Angaben Zeile resse 1 der Finanzver resse 2 der Finanzver resse 3 der Finanzver resse 3 der Finanzver le Signatur Key Store le Signatur Key Store le Signatur Key Store kadresse der Kontaktp sbezeichnung Kontakt der Kontaktperson	ameter Text ttung pflichtiger behörde ingereicht 1 2 waltung waltung waltung Entry View verson person		Paramete	rValue Elect. Da	ta Transmission		
Report Finanz Verrec Disting Belege Digital Ergän: Ergän: IP-Adr IP-Adr IP-Adr Digital Oigital eMail- Berufs Name Telefo Ort de PLZ d	ting Country-Spec. Para zamtsnummer chnung der Rückersta guished Name Steuer guished Name Steuer guished Name Steuer e werden gesondert e I Signieren zende Angaben Zeile zende Angaben Zeile resse 1 der Finanzver resse 2 der Finanzver resse 3 der Finanzver le Signatur Key Store le Signatur Key Store le Signatur Key Store Adresse der Kontaktp sbezeichnung Kontaktp der Kontaktperson er Kontaktperson	ameter Text ttung pflichtiger behörde ingereicht 1 2 waltung waltung waltung Entry View verson person		Paramete	rValue Elect. Da	ta Transmission		
Report Finanz Verrec Disting Belege Digital Ergän: Ergän: IP-Adr IP-Adr IP-Adr Digital Digital Digital eMail- Berufs Name Telefo Ort de PLZ d	ting Country-Spec. Para zamtsnummer chnung der Rückersta guished Name Steuer guished Name Steuer guished Name Steuer e werden gesondert e I Signieren zende Angaben Zeile zende Angaben Zeile resse 1 der Finanzver resse 2 der Finanzver resse 3 der Finanzver le Signatur Key Store Adresse der Kontaktp sbezeichnung Kontaktp der Kontaktperson er Kontaktperson e der Kontaktperson e der Kontaktperson	ameter Text ttung pflichtiger behörde ingereicht 1 2 waltung waltung waltung Entry View berson person		Paramete	rValue Elect. Da	ta Transmission		
Report Finanz Verrec Disting Belege Digital Ergän: Ergän: IP-Adr IP-Adr IP-Adr Digital Oligital eMail- Berufs Name Telefo Ort de PLZ do	ting Country-Spec. Para zamtsnummer chnung der Rückersta guished Name Steuer guished Name Steuer guished Name Steuer e werden gesondert e I Signieren zende Angaben Zeile zense 1 der Finanzver resse 2 der Finanzver resse 3 der Finanzver resse 4 der Finanzver le Signatur Key Store le Signatur Key Store Adresse der Kontaktp sbezeichnung Kontaktp der Kontaktperson er Kontaktperson e der Kontaktperson e der Kontaktperson steuernummer des S	ameter Text ttung pflichtiger behörde ingereicht 1 2 waltung waltung waltung waltung Entry View verson person person	en	Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Paramete Parame	rValue Elect. Dai	ta Transmission		
Report Finanz Verrec Disting Belege Digital Ergănz Ergănz IP-Adr IP-Adr IP-Adr IP-Adr Digital Oigital eMail- Berufs Name Telefo Ort de PLZ dı Straße	ting Country-Spec. Para zamtsnummer chnung der Rückersta guished Name Steuer guished Name Steuer guished Name Steuer e werden gesondert e I Signieren zende Angaben Zeile zende Angaben Zeile resse 1 der Finanzver resse 2 der Finanzver resse 3 der Finanzver le Signatur Key Store kortesse der Kontaktp sbezeichnung Kontakt der Kontaktperson er Kontaktperson er Kontaktperson e der Kontaktperson steuernummer des S ruf der Einzugsermäct	ameter Text ttung pflichtiger behörde ingereicht 1 2 waltung waltung waltung waltung Entry View verson person person person	en	Paramete Paramete	rValue Elect. Da	ta Transmission		

5. TESTING

For testing return type 0001, use transaction FOTV. Please note that this transaction uses data generated using report RFUMSV00. For this to test to function properly, you need to have postings with taxes and the correct tax box mappings.

For testing return type 0011 or 0012, use transaction FOTV. The data needed for the test are generated using transaction FOTP. Generating this data requires entries in view V_T007J.

To run the test, select the test button in transaction FOTV.

Administ	ratio	n R	eport	t Ele	ctro	nic D)ata	Tran	sm	issio	on to	Aut	horit	ies								
≘ 19	Ŧ	P	,∭	f	5			3	10	*		F		5	X		z,	000	цĉ,		*	Never Send
reation Da	te	į	21.0	6.201	.9 R	eturn	Туре	e Adv	ance	e Ret	urn f	or T	ax on	Sal	es/Pu	rcha	ses		Pag	e	1	
Dom.Enterp	Name	e of	Repor	rting	J Org	aniza	tion	Peri	od Y	(ear	Stat	us	Statu	s of	Retu	rn			R	ep.Cr	ntry	
0001	SAP	DEMO	Com	pany	0001			12	2	2018		1	New						D	E		

6. ERROR HANDLING

During testing, always check the back end for errors with the iFlows. In some cases, there may be problems with document validation or with the response from ELSTER. These errors are logged in the back end but are not visible in the front end.

7. EXTERNAL INFORMATION AND LINKS

Overview: Cloud Integration - Usage of the ELSTER Adapter

Cloud Integration on CF -- How to Set Up Secure HTTP Inbound Connection with Client Certificates

www.sap.com/contactsap

© 2018 SAP SE or an SAP affiliate company. All rights reserved. No part of this publication may be reproduced or transmitted in any form or for any purpose without the express permission of SAP SE or an SAP affiliate company.

The information contained herein may be changed without prior notice. Some software products marketed by SAP SE and its distributors contain proprietary software components of other software vendors. National product specifications may vary.

These materials are provided by SAP SE or an SAP affiliate company for informational purposes only, without representation or warranty of any kind, and SAP or its affiliated companies shall not be liable for errors or omissions with respect to the materials. The only warranties for SAP affiliate company products and services are those that are set forth in the express warranty statements accompanying such products and services, if any. Nothing herein should be construed as constituting an additional warranty.

In particular, SAP SE or its affiliated companies have no obligation to pursue any course of business outlined in this document or any related presentation, or to develop or release any functionality mentioned therein. This document, or any related presentation, and SAP SE's or its affiliated companies' strategy and possible future developments, products, and/or platform directions and functionality are all subject to change and may be changed by SAP SE or its affiliated companies and time for any reason without notice. The information in this document is not a commitment, promise, or legal obligation to deliver any material, code, or functionality. All forward-looking statements are subject to various risks and uncertainties that could cause actual results to differ materially from expectations. Readers are cautioned not to place undue reliance on these forward-looking statements, and they should not be relied upon in making purchasing decisions.

SAP and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP SE (or an SAP affiliate company) in Germany and other countries. All other product and service names mentioned are the trademarks of their respective companies. See http://www.sap.com/corporate-en/legal/copyright/index.epx for additional trademark information and notices.

