SF EC to 3rd Party Payroll - Employee Master Data Replication
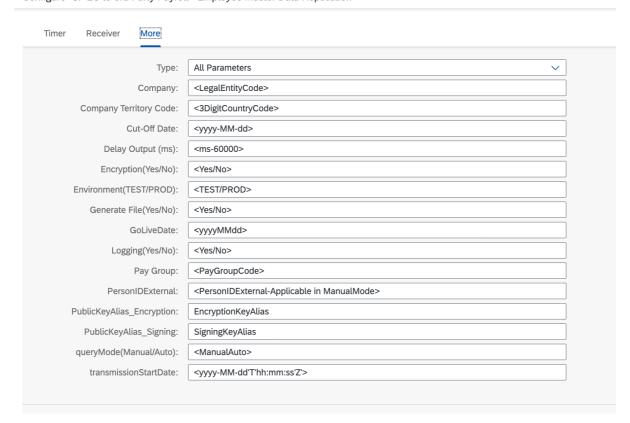
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Purpose

Quick start to development of Payroll Interface to 3rd Party Payroll Provider

Integration Specification

Type of Integration (outbound or inbound)	Outbound
Data Source Entities	SAP SFSF through CSV
Average Number of Records	1 or more
Maximum number of Records	50K+
Processing Type	Delta
Job Schedule	Daily
Data Description (xml, comma delimited etc…)	CSV
Target Location	SFTP Server

This IFLOW covers 3 output file, Daily Changes, Termination and Hire/Rehire (Tweak the iFlow as per Business Requirement.

Parameters Usage Guide

Configure "SF EC to 3rd Party Payroll - Employee Master Data Replication"

Timer   Receiver   More

Type:	All Parameters ⌄
Company:	<LegalEntityCode>
Company Territory Code:	<3DigitCountryCode>
Cut-Off Date:	<yyyy-MM-dd>
Delay Output (ms):	<ms-60000>
Encryption(Yes/No):	<Yes/No>
Environment(TEST/PROD):	<TEST/PROD>
Generate File(Yes/No):	<Yes/No>
GoLiveDate:	<yyyyMMdd>
Logging(Yes/No):	<Yes/No>
Pay Group:	<PayGroupCode>
PersonIDExternal:	<PersonIDExternal-Applicable in ManualMode>
PublicKeyAlias_Encryption:	EncryptionKeyAlias
PublicKeyAlias_Signing:	SigningKeyAlias
queryMode(Manual/Auto):	<ManualAuto>
transmissionStartDate:	<yyyy-MM-dd'T'hh:mm:ss'Z'>

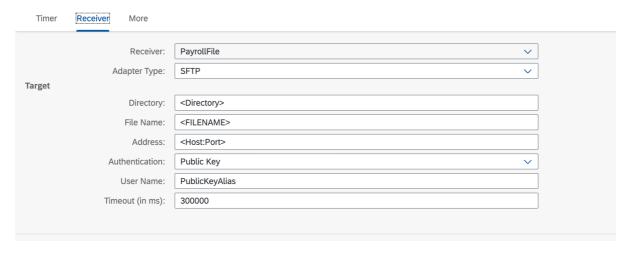| Name	Remarks
GoLiveDate	Cut Of Start Date for effective dates records – Custom Filtration logic to be applied
Company	Legal Entity Code – EC – Filter for Compound Employee Extract
Company Territory Code	Company Territory Code – EC – Filter for Compound Employee Extract
Cut-Off Date	*SelectFromDate for JobInformation & Comp Information
Encryption(Yes/No)	**High to be used for logging EC Output XML's
Environment(TEST/PROD)	Used to force environment specific configuration/values – (If Required)
Generate File(Yes/No)	Parameter for generation of file and posting file No – Used for Simulation Purpose
Logging(Yes/No)	Logging Data **High to be used for logging EC Output XML's (no
Pay Group	Pay Group – EC – Filter for Compound Employee Extract
PersonIDExternal	Person ID External – EC – Filter for Compound Employee Extract
PublicKeyAlias_Encryption	EncryptionKeyAlias
queryMode(Manual/Auto)	Indicates mode of run

	Manual – LastSuccessRunDate value from TransmissionStartDate is considered
PublicKeyAlias_Signing	SigningKeyAlias
Scheduler	Schedule for Running the iFlow
transmissionStartDate	Delta Calculation Date – 1st Run | Manual Mode

Scripting

Name	Description
QueryGeneration.gsh	Generate Query parameters, filters, and log its details
picklistMap.groovy	Store Picklist Code and Label in HashMap **Tweak and additional lookups as per Business Requirement
Logging.groovy	Log Payload
Denormalized.groovy	Group received XML from EC / Employee based on unique Effective Start Dates and grouping them in node – Snapshot ** Tweak as per Business Requirement
payrollProcessingLogic.gsh	Main Mapping logic. Generates Mapped, and transformed data, following the Receiver's data structure, and requirements. The output generated is Base64 encoded and further store in Data Store/ Loop ** Tweak as per Business Requirement
decode_generateOutput.groovy	Decodes Saved data from the Data Store and generates the output file ** Tweak as per Business Requirement

Endpoint Configuration

SFTP Server

Timer   Receiver   More

Target	Receiver:	PayrollFile
	Adapter Type:	SFTP
	Directory:	<Directory>
	File Name:	<FILENAME>
	Address:	<Host:Port>
	Authentication:	Public Key
	User Name:	PublicKeyAlias
	Timeout (in ms):	300000

** Same applies for all the 3 SFTP Channels

Compound Employee – Fetching Data from EC (Loop Process Call)

Timer	Receiver	More

Connection

Receiver:	SF_CEMasterData ⌄
Adapter Type:	SuccessFactors ⌄
Address:	<SF API Endpoint>
Credential Name:	<CredentialName>

Processing

Page Size:	400
Timeout (in min):	10

Picklist – Fetching Data from EC (Loop Process Call)

Timer	Receiver	More

Connection

Receiver:	Picklist ⌄
Adapter Type:	SuccessFactors ⌄
Address:	<SF API Endpoint> [Select]
Credential Name:	<CredentialName>

Processing

Timeout (in min):	10

** Add additional lookups as per Business Requirement