

Employee Central to hrX Exchange Time-Off Implementation User Guide Version 3.0



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Version Control		
Version	Description	Release Date
1.0	Initial	November 2018
2.0	Fixed bug in saving last modified on.	January 2019
2.1	EC authorizations	August 2019
2.2	Mapping correction employee ID	September 2019

Summary of Changes		
Version 1.0 Item No	Change Description	Chapter/Selection
1.0	New document.	All document.
2.0	-Fixed the Integration Flow to save the last modified on variable LastModifiedOn_LV so that the correct delta will be sent to PEX. -Added debug mode in the document that when you filter by userId, it will not update the last modified on. -Added Time Type parameter	-Introduction -Implementation Guide/Package has been updated -Selection Screen updated including the TimeType parameter -Debug mode is included in the document
2.1	Authorizations update	New


2.2	Corrected mapping of employee id	5
3.0	Remove section 2 implementation guide. Iflow will be included in the package when customer upgrades to the latest content (Version 1908.2)	2

Introduction

This document is a guide for users on how to implement the SCPI Time-Off package in the customer tenant. The person performing the steps must have access to SCPI and be familiar with the configuration.

Related documents

All related documents can be found in [NGA Help Center](#). Make sure that you are connected to the NGA network when accessing the site.

In the document, the user will be redirected to some other documents where appropriate for more information about a functionality. All links will be indicated with this icon: 

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1 Introduction


Time off data is not integrated with the EC to Exchange package as CompoundEmployee does not send over the time-data.

This implementation document will guide a customer who wants to implement the Time Off integration package in there SCPI tenant.

The data to be extracted will be coming from EmployeeTime Entity in Successfactor. Although Employee Central Absences can now filtered in the SCPI Integration Flow, the customer should configure the values in PEX to be transformed and integrate in HrX/PEX to Payroll Service transformed

2 Implementation Guide

Following steps are obsolete once API Hub team successfully publish version 1908 of the package which includes the iflow for the time-off integration. This section will be removed once the publication is completed.

[Packaged Integration - SF EC Time-off to NGA HR hrX Exchange](#) Integration Flow 1.0.0 
Transfers processed employee data from SAP SuccessFactors Employee Central to NGA HR hrX Created

❖ Login in SCPI Tenant

SAP Cloud Platform

Log On

E-mail, ID, or User Name

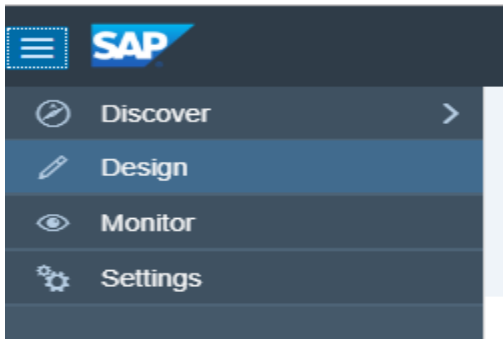
Password

Remember me

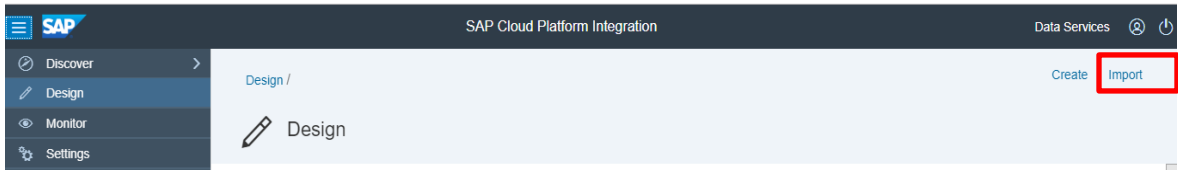
Log On

[Forgot password?](#)

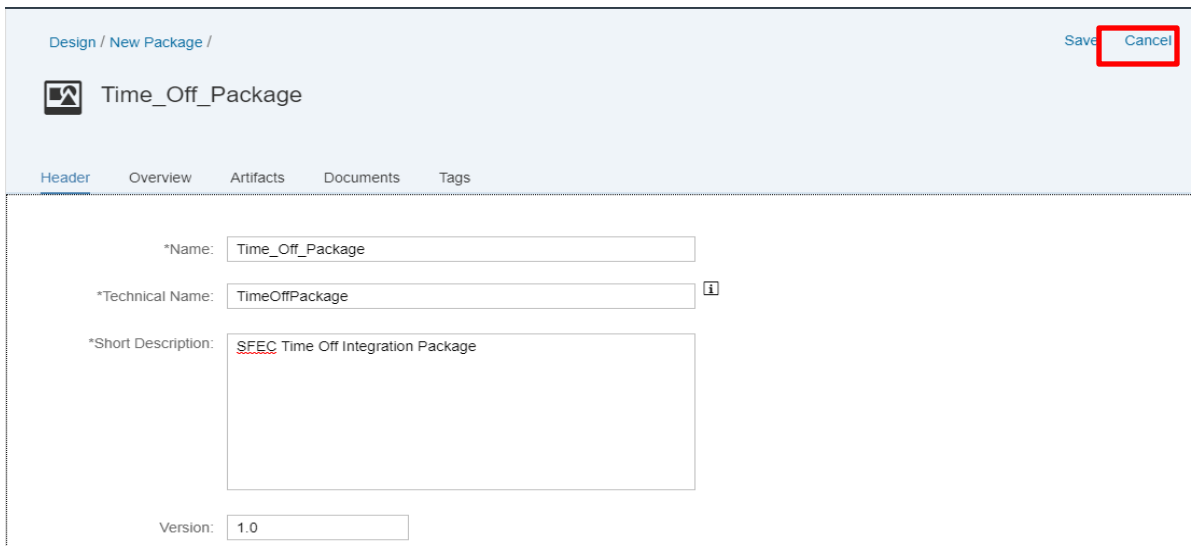
❖ Goto Design



❖ In the Design view, click Create



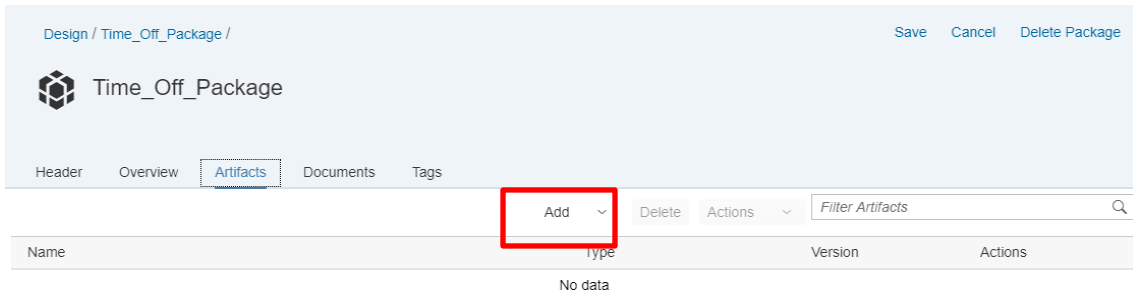
❖ In the next page, populate the fields Name, (Technical Name is auto populated), Short Description and Version. The name indicated below is just an example. The customer can use any customer specific names as desires. After filling the fields, click on Save.



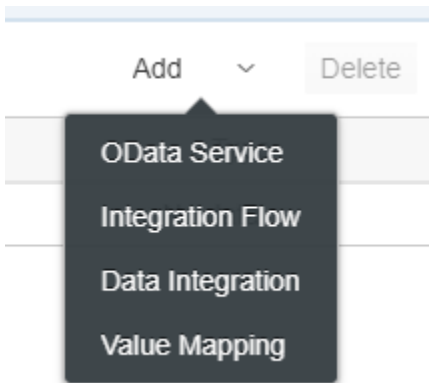
Time_Integration.V4.
zip

❖ Download the SCPI Package indicated below, and locate the zip file

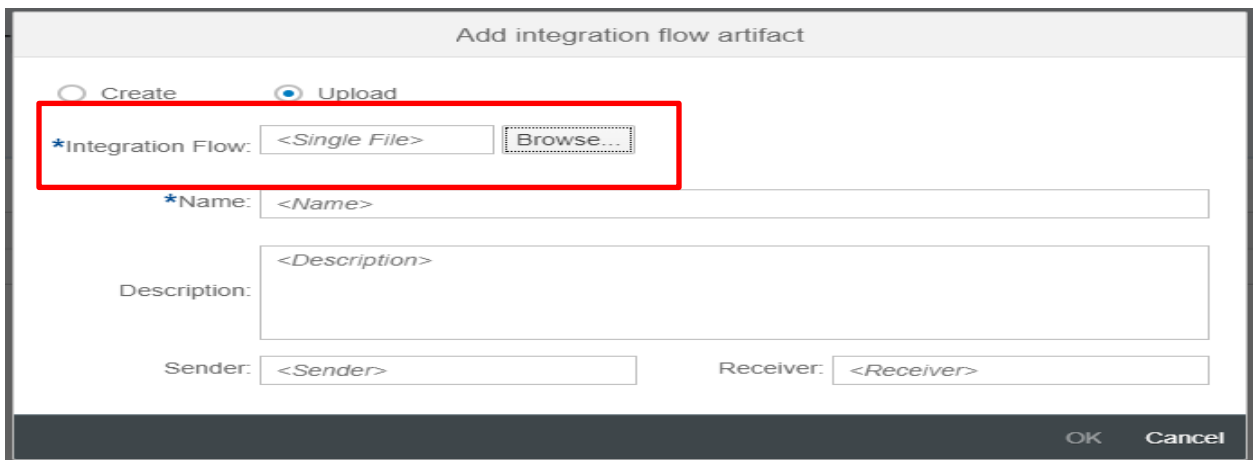
- ❖ Goto Artifact tab, click Add



- ❖ Choose Integration Flow



- ❖ In the next pop up, choose Upload and click on Browse and select the file SCPI Time Off package that has been downloaded in the step above.



Naming Convention below can be change by customer as desire. Once done, click OK

Add integration flow artifact

Create Upload

*Integration Flow:


*Name:

Description:

Sender: Receiver:


❖ The integration flow has been created, click on Save

Design / Time_Off_Package /

 Time_Off_Package

Header
Overview
Artifacts (1)
Documents
Tags

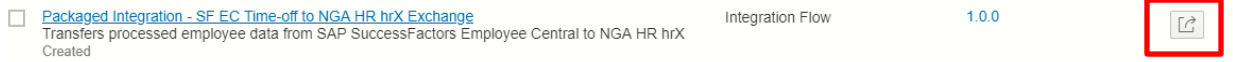
Add ▼
Delete
Actions ▼
Filter Artifacts 🔍

Name	Type	Version	Actions
Time Off Integration Package SFEC Time Off data to PEX Integration Flow Created	Integration Flow	1.0	

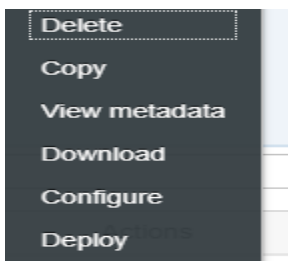
The lflow has now been created.

3 Integration Flow Configurations

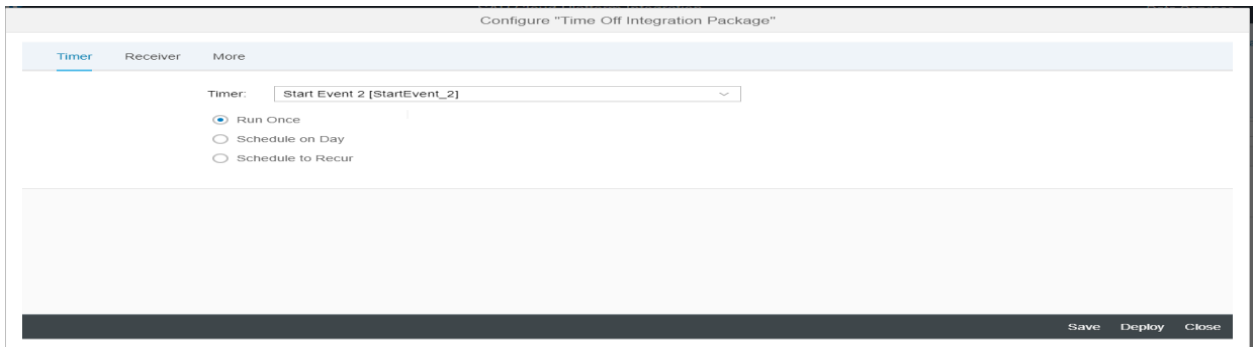
- ❖ Goto integration flow, and click on Action



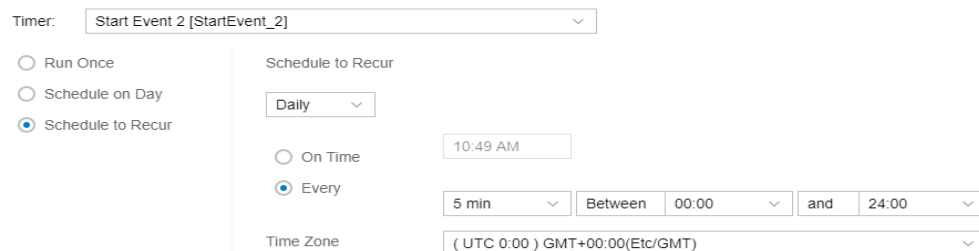
- ❖ Click on Configure



- ❖ The integration flow has 3 tabs, Timer, Receiver and More



- **Timer Tab** can be scheduled as customer desires



- **Receiver** Tab is the Configuration of SF Instance and hrX Exchange web service

Timer	Receiver	More
Receiver:	PEXReceiver	
Adapter Type:	SOAP	
Connection		
Address:	http://ngaendpoint	
Credential Name:	<NGACredentials>	

Timer	Receiver	More
Receiver:	SFReceiver	
Adapter Type:	SuccessFactors	
Connection		
Address:	http://sfapiserver	
Credential Name:	<SFEC Credentials>	

IF a dedicated SF EC user is created for this integration, ensure the following minimum set of authorizations:

▼ <u>Permission not requiring target</u>	
Employee Central API	
<ul style="list-style-type: none"> • Employee Central Foundation OData API (editable) • Employee Central HRIS OData API (editable) 	
Manage Integration Tools	
<ul style="list-style-type: none"> • Allow Admin to Access OData API through Basic Authentication 	
▼ <u>Permission requiring target</u>	
Employee Data	
<ul style="list-style-type: none"> • Biographical Information • Employment Details MSS 	View View
Employee Views	
<ul style="list-style-type: none"> • Personal Information 	View
Employee Central Effective Dated Entities	
<ul style="list-style-type: none"> • CP • IPIN • Pay Group 	View Current View Current View Current
Time Management Object Permissions	
<ul style="list-style-type: none"> • Employee Time 	

- **More** Tab is the Selection Screen of the Integration Flow
 - **GlobalCustomerCode** is the GCC of hrX Exchange Environment
 - **LastExecutionTimeStamp** is the start time until today of the records to be pickup (leave as blank in the normal schedule run)
 - **Paygroup** is the Paygroup value of the employee to be send in hrX Exchange
 - **PayLoadLogging** is when you wanted to download a copy of the records in EC when set to 1 and will be available as Attachment in the Monitor View

Status	Properties	Logs	Attachments								
			<table border="1"> <thead> <tr> <th>Name</th> <th>Modified At</th> <th>Size</th> <th>Actions</th> </tr> </thead> <tbody> <tr> <td>ResponsePayload: text/plain</td> <td>Nov 19, 2018, 16:01:07</td> <td>3 KB</td> <td>↓</td> </tr> </tbody> </table>	Name	Modified At	Size	Actions	ResponsePayload: text/plain	Nov 19, 2018, 16:01:07	3 KB	↓
Name	Modified At	Size	Actions								
ResponsePayload: text/plain	Nov 19, 2018, 16:01:07	3 KB	↓								

- **timeType** is the Employee Time Type
- **UserId** is the Employee Id (leave as blank in the normal schedule run)

Note : If the UserId is populated, it will trigger debug mode = true and the last modified on will not updated.

Timer	Receiver	More
Type:	All Parameters	
GlobalCustomerCode:	<GCC>	
LastExecutionTimeStamp:	Timestamp <YYYY-MM-ddTHH:mm:ss.SSSZ> format	
PayGroup:	<SFEC Paygroup>	
PayLoadLogging:	<1 or 0>	
timeType:	<SFEC timeType>	
UserId:	<SFEC User Id>	

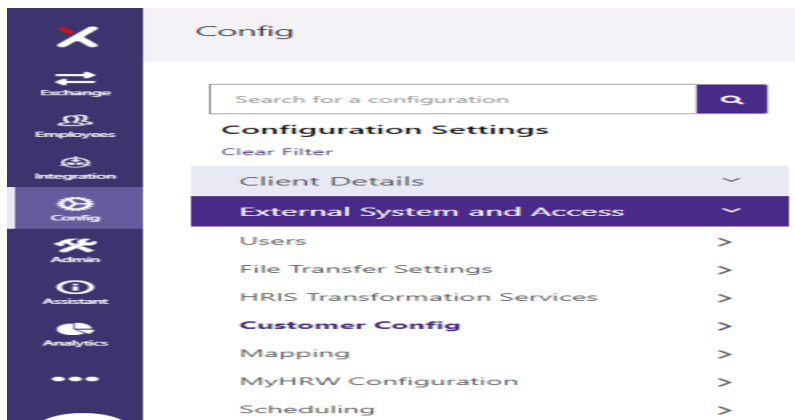
❖ Once the setup is done, click Deploy

Timer	Receiver	More
Type:	<input type="text" value="All Parameters"/>	
GlobalCustomerCode:	<input type="text" value="<GCC>"/>	
LastExecutionTimeStamp:	<input type="text" value="Timestamp <YYYY-MM-ddTHH:mm:ss.SSSZ> format"/>	
PayGroup:	<input type="text" value="<SFEC Paygroup>"/>	
PayloadLogging:	<input type="text" value="<1 or 0>"/>	
timeType:	<input type="text" value="<SFEC timeType>"/>	
UserId:	<input type="text" value="<SFEC User Id>"/>	

Save **Deploy** Close

4 hrX Exchange Configurations for Time-Off Interface

- ❖ Login to hrX Exchange Environment
- ❖ Goto Config->External System and Access->Customer Config



- ❖ Click New

Trans Type : SFEC_TIMEOFF

Mapping : TimeType

Key : SF Value which is the Code of Time Type

View Absence	
Time Type	PTO (CSUSA0011)
Start Date	Nov 06, 2018
End Date	Nov 06, 2018
Requesting	8 hours

Description : Any Description

Value : Translated Value, Key Field and Value can be the same if no translation is needed

Company Group : LCC Value

Country : Country Value

New Customer Config

* Trans Type	SFEC_TIMEOFF
* Mapping	TimeType
* Key	CSUSA0011
Description	EC CSUSA0011 Time Type Value to PTO
* Value	PTO
Company Group	U5001
Country	US

Create Cancel

- ❖ Click Create and Absence Type **CSUSA0011** can flow in HrX Exchange to Payroll Service
- ❖ Since the Time Off integration is not filtering the codes from EC, the filtering will be done in hrX Exchange Configuration, note that if there is no configuration in hrX Exchange, no Time off records will be created

5 EC to hrX Exchange Mapping

EC EmployeeTime	HrX Exchange nga:TimeElement	Example
startDate	validFrom	2018-11-19T00:00:00.000
endDate	validTo	2018-11-19T00:00:00.000
userId	hr:EmployeeId	E00009841
timeType	hr:ID	CSUSA0011
quantityInDays	nga:Units	1
approvalStatus	N/A	enum (APPROVED, CANCELLED)
N/A	Nga:UnitType	DAYS

Sample File Generated in SCPI Time Off Integration

```

<EmployeeTime>
  <gcc>ZZA</gcc>
  <EmployeeTime>
    <quantityInDays>1</quantityInDays>
    <startDate>2018-11-06T00:00:00.000</startDate>
    <userIdNav>
      <User>
        <emplInfo>
          <EmpEmployment>
            <personIdExternal>E00006360</personIdExternal>
          </EmpEmployment>
        </emplInfo>
      </User>
    </userIdNav>
    <approvalStatus>APPROVED</approvalStatus>
    <userId>E00006360</userId>
  </EmployeeTime>
</EmployeeTime>

```



```
<endDate>2018-11-06T00:00:00.000</endDate>
<lastModifiedDate>2018-11-16T08:04:18.000</lastModifiedDate>
<comment>Applying Leave for One Day 1</comment>
<timeType>CSUSA0011</timeType>
<externalCode>c21d3309bbdf47ec969fe869b59784d8</externalCode>
</EmployeeTime>
</EmployeeTime>
```

Sample BOD Transformation

```
<nga:PayServEmpTimeElements>
  <nga:TimeElement validTo="2018-11-06" validFrom="2018-11-06">
    <hr:ID>CSUSA0011</hr:ID>
    <nga:Units>1</nga:Units>
    <nga:UnitType>DAYS</nga:UnitType>
    <nga:FreeFormEffectivePeriod>
      <hr:StartDate>
        <hr:FormattedDateTime>2018-11-06</hr:FormattedDateTime>
      </hr:StartDate>
      <hr:EndDate>
        <hr:FormattedDateTime>2018-11-06</hr:FormattedDateTime>
      </hr:EndDate>
    </nga:FreeFormEffectivePeriod>
  </nga:TimeElement>
</nga:PayServEmpTimeElements>
```

6 euHreka Configuration

The following steps are to be performed by NGA APPS and are out of scope for client.

- ❖ Login in euHreka system
- ❖ Goto Transaction SE12
- ❖ In Table /EOP/GL10_IF_CFV
- ❖ Configure the same as below
 - The BODXMLVALUE is Concatenated by the value in SF and /*

Table /EOP/GL10_IF_CFV Display	
Check Table...	
MANDT	999
GCC	ZZZ
MOLGA	10
LCC	ZUS
SERVICEID	PAYSERVEMP
CONVERSION	AWART
BODXMLFVALUE	CSUSA0011/*
SEQNR	0
DIRECTION	B
BODCONFVALUE	0330

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