

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 Exchange. -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 1908-1.4.3) | 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 hrX Exchange to be transformed and integrate in HrX Exchange to Payroll Service transformed.

2 Implementation Guide


There is a new Artifact for time-off integration introduced together with the standard package. The artifact (integration flow) is included once customer upgrades to the latest version of the package.

| | | | | |
|--------------------------|--|------------------|-------|---|
| <input type="checkbox"/> | Packaged Integration - SF EC Time-off to NGA HR hrX Exchange Transfers processed employee data from SAP SuccessFactors Employee Central to NGA HR hrX Unmodified | Integration Flow | 1.0.0 |  |
|--------------------------|--|------------------|-------|---|

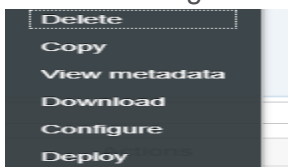
- Integration Flow **Packaged Integration - SF EC Time-off to NGA HR hrX Exchange –** Transfers time-off data from SuccessFactors Employee Central to Exchange.

3 Integration Flow Configurations

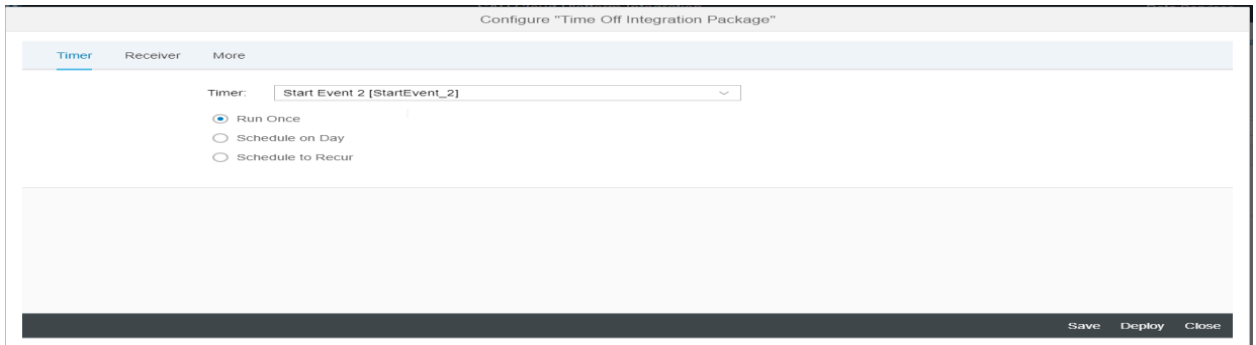
- ❖ Goto integration flow, and click on Action

| | | | | |
|--------------------------|---|------------------|-------|---|
| <input type="checkbox"/> | Packaged Integration - SF EC Time-off to NGA HR hrX Exchange Transfers processed employee data from SAP SuccessFactors Employee Central to NGA HR hrX Created | Integration Flow | 1.0.0 |  |
|--------------------------|---|------------------|-------|---|

- ❖ Click on Configure



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



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

Timer: Start Event 2 [StartEvent_2]

Run Once
 Schedule on Day
 Schedule to Recur

Schedule to Recur

Daily

On Time 10:49 AM
 Every 5 min Between 00:00 and 24:00

Time Zone (UTC 0:00) GMT+00:00(Etc/GMT)

- **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:

- ▼ Permission not requiring target**
 - Employee Central API**
 - Employee Central Foundation OData API (editable)
 - Employee Central HRIS OData API (editable)
 - Manage Integration Tools**
 - Allow Admin to Access OData API through Basic Authentication
- ▼ Permission requiring target**
 - Employee Data**
 - Biographical Information View
 - Employment Details MSS View
 - Employee Views**
 - Personal Information View
 - Employee Central Effective Dated Entities**
 - CP View Current
 - IPIN View Current
 - Pay Group View Current
 - Time Management Object Permissions**
 - 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> | |

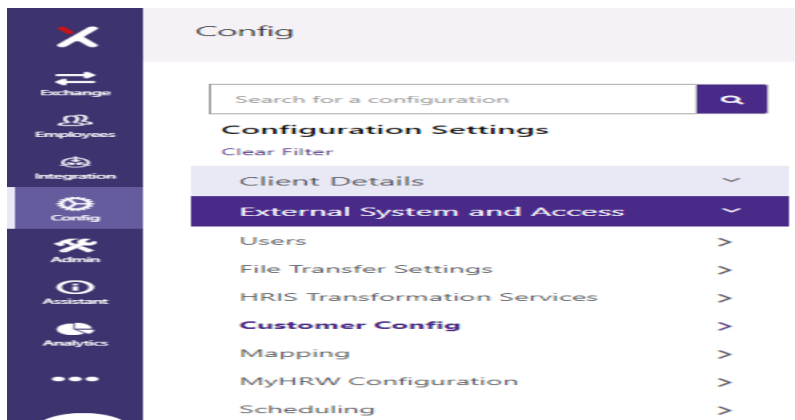
❖ Once the setup is done, click **Deploy**

| 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 |

- ❖ 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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