Technical Specifications –

|  |  |
| --- | --- |
| Reference document | <https://teams.microsoft.com/_#/xlsx/viewer/aggregatefiles/https%3A~2F~2Fpsacunionafpc.sharepoint.com~2Fsites~2FHRMS-Workforce~2FShared%2520Documents~2FWorkForce~2F2.0%2520Deliverables~2F2.0%2520SDDs~2FSolution%2520Design%2520Document%2520-%2520PSAC%2520-%2520Interfaces%2520V2.0.xlsx?baseUrl=https%3A~2F~2Fpsacunionafpc.sharepoint.com~2Fsites~2FHRMS-Workforce&fileId=dcc48d2b-d24c-4636-bef3-98eadb71f467&viewerAction=view> |
| Version | 1.0 |
| Date created | 19-12-2018 |

Document Information

|  |  |
| --- | --- |
| **Client** | PSAC |
| **Project code** | NA |
| **Ticket #** | NA |

SUMMARY DESCRIPTION OF THE REQUEST & SOLUTION

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | This will insert or update the WorkForce cost center details with the latest activity/cost center information from successfactors. |  |  |  |  |  |  |  |  |  |  |   This is the copy of the SuccessFactors Employee Central data and will be updated with the Detla changes after first execution. |  |  |  |  |  |  |  |  |  |  |

Document history

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Author** | **Reason for change** | **Date** |
| 1.0 | Sidhartha Mudrakola | Initial Draft | 19-12-2018 |
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Approval and distribution

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Approved by** | **Name** | **Version** | **Signature** | **Date** |
|  |  |  |  |  |
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General information

|  |  |
| --- | --- |
| Description | Update/Load cost center from SF to WFS |
| Tool | HCI |
| Source | SuccessFactors Employee Central |
| Target | Workforce Software |
| SAP pack | N/A |
| Complexity | |  |  |  |  | | --- | --- | --- | --- | |  | Very high | Based on complexity estimator | | |  | High | Based on complexity estimator | | | X | Moderate | Based on complexity estimator | | |  | Low | Based on complexity estimator | | |  | Other | Specify: |  | |  | | | |

Issue

N/A

Interface monitoring

HCI Message monitering

Interface classification

|  |  |
| --- | --- |
| Interface name | Employee Central Cost Center to LD WorkForce |
| Type  frequency | |  |  |  |  | | --- | --- | --- | --- | |  | Batch | Unidirectional transfer of a set of accumulated data. Usually performed by programmed file transfer. | | |  | Near real time | Data transfer based on a unidirectional message. Usually triggered by an event. | | |  | Real time | Immediate transfer of a small data set. Usually triggered by an event. | | |  | Excel upload | Invoked manually from an SAP session. File of local spreadsheet uploaded from a PC. | | | X | Other | Specify: |  | |  | | | |
| Interface  frequency | |  |  |  |  | | --- | --- | --- | --- | |  | Hourly | Details: |  | |  | Daily | Details: |  | |  | Weekly | Details: |  | |  | Monthly | Details: |  | |  | Quarterly | Details: |  | |  | Yearly | Details: |  | | X | On demand | Frequency: |  | | X | Other | Specify: |  | |  | | | |
| Post type submitted | |  |  |  |  | | --- | --- | --- | --- | |  | Complete | Submit all the posts on each execution. | | |  | Edited post | Submit the posts only if one or more fields was (were) edited during the last execution. | | | X | Edited posting data | Submit only the fields and keys that change during the last execution. | | |  | Other | Specify: |  | |  | | | |
| Volume  *(by execution)* | |  |  | | --- | --- | | Average volume: |  | | Peak volume: |  | |

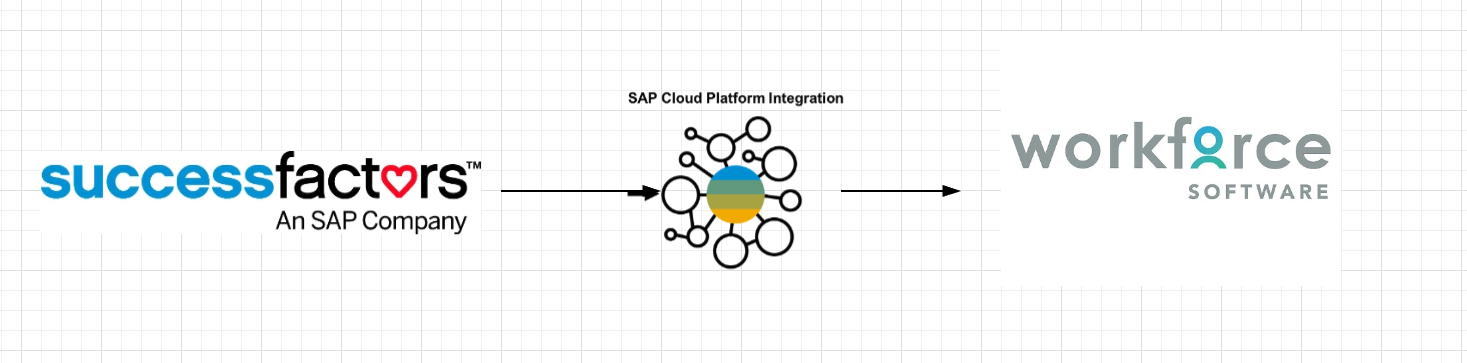
Requirements related to the interface functionality

Trasnfer cost center data from Successfactors employee central to Workforce software.

Justifications and business requirements

NA

Process flow / Data flow and operational and date-related rules

****

Assumptions

|  |
| --- |
|  |
| Successfactors Employee Central Dev is the gold system and all the required parameters in this integration are referred or analyzed from Successfactors Dev. |
|  |
|  |
|  |
|  |

Constraints

N/A

Out of scope

N/A

Requirements related to interface data

Disposition of source interface data

The source data is available in the form of (type X for ***all*** the items that apply):

|  |  |  |  |
| --- | --- | --- | --- |
|  | Database | Name(s) of table(s): | < Indicate the table name> |
|  | File | Type: | TXT file |
|  | Procedure | Name: | <Enumerate the functions, transactions or other procedure calls that can provide this data set> |
| X | Other | Method: | Successfactors Web Service |

Disposition of target interface data

|  |  |  |  |
| --- | --- | --- | --- |
| X | Database | Name(s) of table(s): | Workforce DB & Tables |
|  | File | Type: | TXT file |
|  | Procedure | Name: | <Enumerate the functions, transactions or other procedure calls that can provide this data set> |
| X | Other | Method: | Workforce Web Service |

Mapping source/target data

This is end-to-edn Custom integration which retrives data from Successfactors to Workforce software

|  |  |
| --- | --- |
| ExternalCode | Field Name : COST\_CENTER , Field Value |
| Description\_en\_US | Field Name : DESCRIPTION , Field value |
| startDate | Effective\_date |
| endDate | End\_date |

Data sample

NA

Data retention

|  |  |  |  |
| --- | --- | --- | --- |
|  | None | Data retention is not necessary for this interface. | |
|  | 7 days | | |
|  | 15 days | (by default) | |
|  | 30 days | | |
| X | Other | Specify: |  |
|  | | |

Source / Target Technical Details

DEV : <https://api17.sapsf.com>

QA:

PRD:

Custom Objects

NA.

security/permission requirements

NA

Tables

NA

Programs

NA

Permission object

NA

Language of text

English

Error management

HCI Monitor Message Processing

Solution with Middleware ( HCI / Boomi / PO / PI)

Solution with middleware

HCI

Connector type

**Dev:**

* SuccessFactors oData api
  + https://api17.sapsf.com/odata/v2/FOCostCenter
* WFS SOAP Service
  + https://psac-dev.wfsaas.ca/workforce/services/E2G\_importLDData?wsdl

Mapping rules and conversion criteria

Custom mapping as stated in Mapping section

Configuration and dependencies

N/A

Conversion / switchover / other project tasks

N/A

Other dependencies

N/A

Interface controls

Completion indicator

In the message monitoring,we will be able to see job status .

Execution accuracy control

Proccessed,Invalid,missing mandatory and warning records are stored in Variables as a text files.

Which can be downloaded from HCI manage Variables.( to be completed)

Control of duplicate posts

N/A

Error detection and communications control

|  |  |
| --- | --- |
| Message Monitoring |  |

Control of data conversion integrity

N/A

Control of the standard file format

N/A

Interface data security

N/A

Capture of various data

N/A

Other relevant details

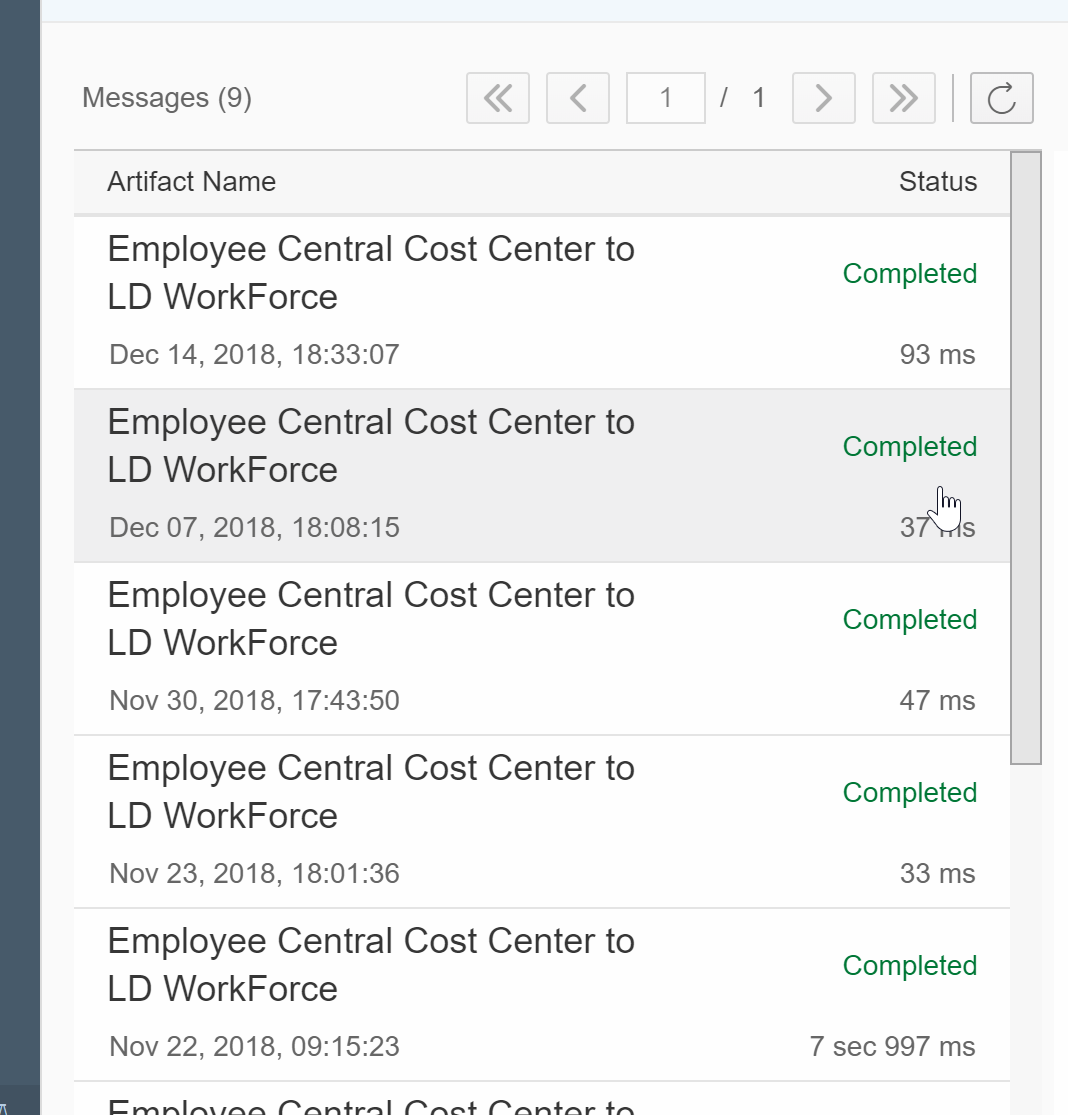
N/A

Recovery and reboot

NA

Test scenarios

Successfully transferred an Cost center details from SFEC to WFS



<ns:E2G\_importLDDataResponse xmlns:ns="http://services.workforcesoftware.com/xsd" xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">

<ns:return xmlns:ax232="http://ws.apache.org/axis2/xsd" xmlns:ax234="http://webservices.workforcesoftware.com/xsd" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:type="ax232:E2G\_importLDDataResult">

<ax234:detailedErrorMessage xsi:nil="true"/>

<ax234:operationSuccessful>true</ax234:operationSuccessful>

<ax234:resultCode>0</ax234:resultCode>

<ax234:resultDescription>Labor Distribution data received. Total records: 60, errors: 0</ax234:resultDescription>

<ax232:result xsi:type="ax232:E2g\_ld\_import\_response">

<ax232:responseDateTime>2018-11-22T14:15:23Z</ax232:responseDateTime>

<ax232:responseOutput xsi:nil="true"/>

<ax232:successful>true</ax232:successful>

</ax232:result>

</ns:return>

</ns:E2G\_importLDDataResponse>