**HR 157 Employee Data ADP to Ax\_V1\_Employee**

Prepared for

**Contoso**

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**Version 1.0**

Prepared by

Developer Name

Contributors

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**Revision History**

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| --- | --- | --- |
| **Date** | **Editor** | **Revision Notes** |
| 13/07/2012 | Name | Initial draft for review/discussion |
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**Gap(s) Covered by this TDD**

|  |  |
| --- | --- |
| **GAP Number** | **Gap Description** |
| HR 157 | Employee Data ADP to Ax\_V1\_Employee Main and Phone Numbers |
| HR 157 | Employee Data ADP to Ax\_V1\_TrainingCompetencies |

**Technical Design Signoff**

Details on Signoff Microsoft Corporation

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_

Print Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Architect Sign Off**

This technical designed has been reviewed and approved by *Title* *Name*

Date: \_\_\_\_\_\_\_\_\_\_\_\_

Document Information and Status

|  |  |
| --- | --- |
| **Business Area:** | Human Resources |
| **Project Phase:** | Design |
| **Version/SP/Add-ons:** | Microsoft Dynamics AX 2012 |
| **Customer Project Mgr:** |  |
| **Customer Process Owner:** |  |
| **Project Mgr:** |  |
| **Consultant:** |  |
| **Lead Dev.:** |  |

|  |  |  |
| --- | --- | --- |
| **Development Environment** | **Server IP: TBD**  Server name: TBD | **Environment: TBD**  Env. username: TBD |
| **Test Environment** | **Server IP: TBD**  Server name: TBD | **Environment: TBD**  Env. username: TBD |

Estimates (Hours)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **TDD Version** | **Design** | **Development** | **Test/QA** | **Help Text/ Documentation** | **Deployment** | **Total** |
| v1 | 40 | 80 | 40 |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

Technical Design Planning

## Overview

This document provides detail technical design for Data import framework which supports import of Employee data from csv files directly into AX tables. Import of data means import of new data into Dynamics AX tables or update of existing data in Dynamics AX tables.

ADP, the payroll system of Contoso, exports the entire Employee data once a day and keeps it in the FTP site. AX needs to consume the data from there. Logic needs to be developed to check what all records are modified and new in the csv file. Only those records should be processed.

The technical design is planned assuming the total number of records will be around 7000 to be processed daily from csv files to AX Tables.

Review Design Document

Data Import is to import files from network folder directly into Dynamics AX tables. This can be used to import master data, import transaction data, and update transaction data

This framework involves two steps

1. File definition Setup process (which should form part of configuration)
2. File import process

NOTE: Further details can be reviewed within the corresponding Functional Design Document.

## Process Flow



No yes

IF the Employee ID doesn’t exist

InsertEmployee() updateEmployee()

Data Model

The following data model modifications to the base system need to be made in order to support this customization.

## Extended Data types - NA

| **Name** | **Data Type** | **Labels** | **Help Text** | **Remarks** |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

## Base Enumerators - NA

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Labels** | **Help Text** | **Elements** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

## 

## Tables

Modified Tables

### HrmParameters (Existing Table)

##### Fields

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Field Name** | **Label** | **HelpText** | **EDT** | **Additional Comments** | **Mandatory** |
| EmployeeDataFile | File name for employee details | specifies the name of the file containing employee details | FileName |  |  |
| EmployeeEducationFile | File name for education details | specifies the name of the file containing employee education details | FileName |  |  |
| EmployeeCertificatesFile | File name for certificate details | specifies the name of the file containing employee certificate details | FileName |  |  |
| EmployeeSkillsFile | File name for skills details | specifies the name of the file containing employee skills details | FileName |  |  |
| EmployeeCoursesFile | File name for courses details | specifies the name of the file containing employee courses details | FileName |  |  |
| FTPSiteName | Url for FTP site | url to open the FTP site | url |  |  |
| UserName | Username for FTP site | FTP site username | UserName |  |  |
| Password | Password for FTP site | FTP site password | Password |  |  |
| Localfolder | Temporary folder on local system | Specifies the path of the folder where all the csv files are placed on the local machine | FileNameOpen |  |  |
| FTPfolder | Folder on the ftp site | Contains all the csv files on the FTP site | FileNameOpen |  |  |
| Numberofdays | Number of days to archieve files | Number of days for archiving the files on the FTP site | Integer |  |  |

#### Field Groups

| Field Group | Label | Field Name | Add/Remove |
| --- | --- | --- | --- |
| ADP to AX | ADP to AX |  |  |
|  |  |  |  |

##### *Indexes - NA*

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Unique | Primary/Clustered | Fields |
|  |  |  |  |

##### *Relations -NA*

|  |  |  |
| --- | --- | --- |
| Field Name | Related Table | Field |
|  |  |  |

##### *Delete Action - NA*

|  |  |
| --- | --- |
| Related Table | Type |
|  |  |
|  |  |

##### *Methods - NA*

|  |  |  |  |
| --- | --- | --- | --- |
| **Method Name** | **New?** | **Add** | **Additional Comments** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

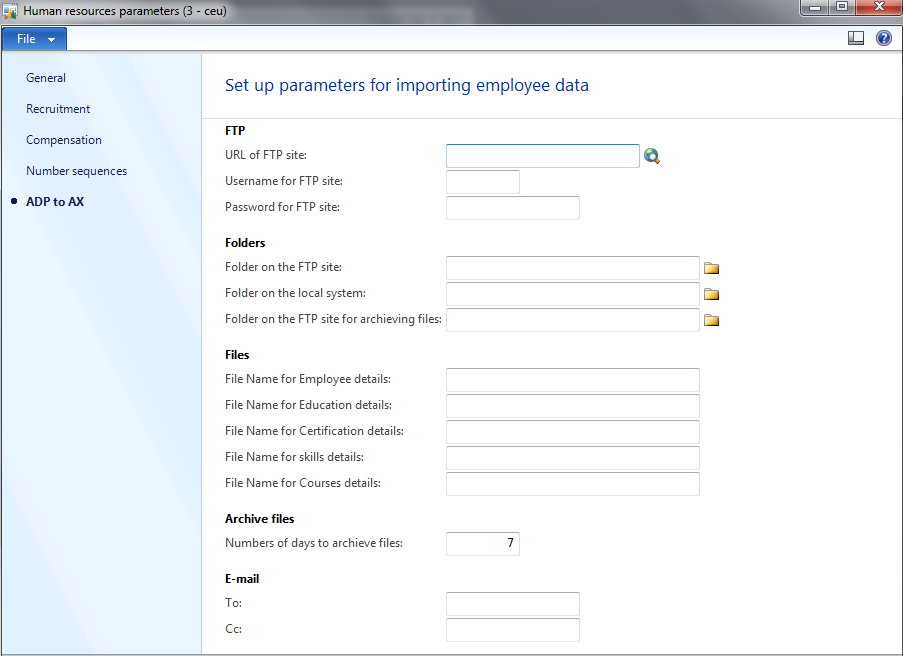
User Interface

The following modifications to the user interface are required to support this customization.

## Forms

### HrmParameters (Existing Form)

Form style: Parameterized Form

******

***DataSources***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Datasource Name** | **Table** | **Join Source** | **Link Type** | **Remarks** |
| HrmParameters | HrmParameters |  |  |  |

***Design Groups***

|  |  |  |
| --- | --- | --- |
| **Group** | **Path** | **Fields/Remarks** |
| ADPtoAX |  |  |
|  |  |  |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| **Fields** | **DataSource** | **Fields/Remarks** |
| FTPSiteName | HrmParameters |  |
| UserName | HrmParameters |  |
| Password | HrmParameters |  |
| FTPfolder | HrmParameters |  |
| Localfolder | HrmParameters |  |
| EmployeeDataFile | HrmParameters |  |
| EmployeeEducationFile | HrmParameters |  |
| EmployeeCertificatesFile | HrmParameters |  |
| EmployeeSkillsFile | HrmParameters |  |
| EmployeeCoursesFile | HrmParameters |  |
| Numberofdays | HrmParameters |  |

## Menu

### tdyADP - New

(Label = ADP to AX data refresh)

|  |  |  |
| --- | --- | --- |
| **Menu Item Name** | **Path** | **Comments** |
| tdyADPtoAX | \Menus\HRM\Periodic\Workers\ADPtoAX |  |
|  |  |  |
|  |  |  |

## Menu Items

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name** | **Menu Item type** | **Label** | **Help Text** | **Object Type** | **Object** |
| tdyADPtoAX | Action | ADP to AX | Runs a batch process to update AX data values through the csv file | Class | tdyADPtoAX |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

# Processes

The following modifications are required in order to support the additional AIF messaging required for this customization.

## Query - NA

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Data Source** | **Title** | **Join** | **Fields** |
|  |  |  |  |  |

## 

## Classes

### tdyADPtoAX (new)

This is a newly developed class, which will be extending the SysOperation framework previously known as Business Operations Framework, responsible to execute a batch process that will fetch the Employee data from a csv file located in a FTP site and consume it to the AX tables post getting it to a local machine folder. This will also manage to check what all records are modified and new in the csv file. Only those records should be processed.

|  |  |
| --- | --- |
| **Method** | **Action** |
| classDeclaration | Define insertRecordSet, updateRecordSet |
| Main | Call run() |
| Run | Call getCSVFiles()  Call readCSVFiles()  Call archiveCSV() |
| getCSVFiles | Download csv file from FTP and place in a local folder  *[The source and destination location of the files are defined in parameter]* |
| readCSVFiles | Read each line of the csv file in a loop  IF the Employee ID doesn’t exist  Call insertEmployee()  Else  Call updateEmployee()  End loop  Execute insert and update operations on database  Email the excel sheet with the erroneous employee code to defined recipients |
| insertEmployee | Parse the CSV file field by field  IF the field is mandatory, check if value is there in that field or if the field has parent, check if related record exists  In case both the validations pass, update value to container  Move to next field in the CSV  Else  abort checking current CSV row  call errorLog()  Move to next row in CSV  IF all CSV fields pass validations  insert into insertRecordSet from container |
| updateEmployee | Set updateRequired as false  Query to fetch the Employee record based on Employee ID  Parse the CSV file field by field  For each field  IF updateRequired is false  IF current field value not equal to value in CSV  Set updateRequired to true  IF the field is mandatory, check if value is there in that field or if the field has parent, check if related record exists  In case both the validations pass, update value to container  Move to next field in the CSV  Else  abort checking current CSV row  call errorLog()  Move to next row in CSV  Else  Move to next field in the CSV  else  IF the field is mandatory, check if value is there in that field or if the field has parent, check if related record exists  In case both the validations pass, update value to container  Move to next field in the CSV  Else  abort checking current CSV row  call errorLog  Move to next row in CSV  End Loop  IF all CSV fields pass validations  insert into updateRecordSet from container |
| errorLog | Update the Erroneous Employee record (from csv) into an excel sheet with the error field value |
| archiveCSV | Delete csv files from local repository  Consumed CSV file needs to be moved to the specified archive location with date-stamping  Delete CSV files from archive location which are older than 7 days (parameterized) |

Data Mappings

## Excel (From ADP system) to AX work tables

All Excel (ADP system) data will be mapped 1 for 1 to the AX worktables. Indicate where mappings will occur.

## AX work tables to Standard AX tables

**Human Resources>Common> Workers>Employee**

**Fasttab: Profile > Worker summary**

| **Source (Excel field name)** | **Destination (AX fields)** | **Notes** |
| --- | --- | --- |
| Empl Id | HCMWorker > Personnel number | Personal number should not be a Number sequence, it should be picking from the empid given by ADP. |
| Name Prefix | HCMWorker >PersonnelNumber | The record should exist in the DirNameAffix>Affix as AffixType Title otherwise it will throw error. |
| First Name | DirPersonName > First Name | Mandatory field.. |
| Middle Name | DirPersonName > Middle Name |  |
| Last Name | DirPersonName > Last Name |  |
| Name Suffix | DirPerson > Personal Suffix | The record should exist in DirNameAffix >Affix as AffixType Suffix otherwise it will throw error. |
| Preferred Name | DirPartyTable > Search name |  |
| Business Title | HcmWorkerTitle > Title | The record should exist in the Master form >HcmTitle , otherwise it will throw error. |

**Human Resources>Common> Workers>Employee**

**Fasttab: Employment > Employment details**

| **Source** | **Destination** | **Notes** |
| --- | --- | --- |
| Worker Type | HcmEmployment > Worker type | Worker type value needs to be defaulted as specified by ADP. |
| Hire Date | HcmEmployment > Employment Start Date | Employment start date will be the hire date as in excel. |
| Termination Date | HcmEmployment > Employment End Date | Termination date will be taken as specified in excel or Default value as ‘never’. |
| Hire Date | HcmEmploymentDetail > Start Date |  |
| Termination Date | HcmEmploymentDetail > Termination Date | Termination date will be taken as specified in excel or Default value as ‘never’. |

**Human Resources>Common> Workers>Employee**

**Fasttab: Employment > Time registration**

| **Source** | **Destination** | **Notes** |
| --- | --- | --- |
| Empl id | JmgEmployee > Badge ID |  |
| Active | JmgEmployee > Active |  |
| Hire Date | JmgEmployee > Activation Date |  |
| Calculation Group | JmgEmployee > Calculation Group | Mandatory on activation. The record should exist in the Master Table > JmgGroupCalc > GroupId , otherwise it will throw error. |
| Approval Group | JmgEmployee > Approval Group | Mandatory on activation. The record should exist in the Master table > JmgGroupApprove > GroupId , otherwise it will throw error. |
| Standard Profile | JmgEmployee > Standard Profile | Mandatory on activation. The record should exist in the Master table > JmgProfileTable > profile , otherwise it will throw error. |
| Profile Group | JmgEmployee > Profile Group | Mandatory on activation. The record should exist in the Master table > JmgProfileGroup > ProfileGroupId , otherwise it will throw error. |
| New Bundle | JmgEmployee > New Bundle (check box) |  |
| Cost Category | JmgEmployee > Category | The record should exist in the Master table >CategoryTable > CategoryId. Otherwise it will throw error. |
| Electronic Timecard | JmgEmployee > Use Timecard (check box) |  |
| Configuration | JmgEmployee > Configuration | The record should exist in the Master table > JmgRegistrationSetup > SetupId , otherwise it will throw error. |
| Supervisor | JmgEmployee > Supervisor Options |  |
| Supervisor Calculation Group | jmgEmployee > CalculateGroupId |  |
| Pay Period | JmgEmployee > Period Code | The record should exist in the Master table > ProjPeriodTable > PeriodId , otherwise it will throw error. |

**Human Resources>Common>Worker>Employee**

**Fasttab: Employment>Financial dimensions**

| **Source** | **Destination** | **Notes** |
| --- | --- | --- |
| Cost Center | Cost Center | The record should exist in the Master tables > DimensionValueDetails , otherwise it will throw error. |

**Human Resources> Common > Organization > Positions > Positions**

**Fasttab: Position duration**

| **Source** | **Destination** | **Notes** |
| --- | --- | --- |
| Hire Date | Position duration – activation  (ValidFrom\_control –EDT > HcmPositionActivationDateTime) |  |
| Termination Date | Position duration – retirement  (ValidFrom\_control –EDT > HcmPositionRetirementDateTime) | Termination date will be taken as specified in excel or Default value as ‘never’. |

**Human Resources> Common > Organization > Positions > Positions**

**Fasttab: Worker assignment**

| **Source** | **Destination** | **Notes** |
| --- | --- | --- |
| Hire Date | Worker assignment – start  ( ValidFrom\_Control - EDT > HcmPositionWorkerAssignmentStartDate) |  |
| Termination Date | Worker assignment – end  (ValidTo\_Control - EDT> HcmPositionWorkerAssignmentEndDate) | Termination date will be taken as specified in excel or Default value as ‘never’. |

**Human Resources>Common> Workers>Employee**

**Fasttab: Profile > Addresses**

| **Source** | **Destination** | **Notes** |
| --- | --- | --- |
| Empl ID | Personnel Number |  |
| Location Description | LogisticsLocation > Name or Description | Mandatory in AX. |
| Location Purpose | Purpose ( Roles) |  |
| City | LogisticsPostalAddress > City | The records should exist in the Master table > LogisticsAddresssCity > Name , otherwise it will throw error. |
| State | LogisticsPostalAddress > State | The record should exist in the Master table > LogisticsAddressState > StateId , otherwise it will throw error. |
| Country | LogisticsPostalAddress > Country / region | Mandatory in AX. The record should exist in the Master table > LogisticsAddressCountryRegion > CountryRegionId , otherwise it will throw error. |
| Zip Code | LogisticsPostalAddress > Zip / postal Code | The record should exist in the Master table > LogisticsAddressZipCode > ZipCode , otherwise it will throw error. |
| Location Primary | Primary ( check box) |  |
| Location Private | Private ( check box) |  |

**Human Resources>Common> Workers>Employee**

**Fasttab: Profile > Contact information**

| **Source** | **Destination** | **Notes** |
| --- | --- | --- |
| Empl ID | Personnel Number |  |
| E-Mail Type | LogisticsLocation > Name or Description 1 |  |
| E-Mail Type | LogisticsElectronicAddress > Type 1 |  |
| E-Mail Address | LogisticsElectronicAddress > Locator - Contact Number/Address |  |
| E-mail Primary | DirPartyLocation > Primary (checkbox) |  |
| E-mail Private | DirPartyLocation > Private (checkbox) |  |
| Work Phone Type | Name or Description2 |  |
| Work Phone Type | Type 2 |  |
| Work Phone | Contact Number/Address 2 |  |
| Extension | LogisticsElectronicAddress > LocatorExtension - Extension 2 |  |
| Work Phone Primary | Primary 2 |  |
| Work Phone Private | Private 2 |  |
| Cell Phone Type | Name Or Description 3 | We will use ‘phone’ type to cell phone within AX (enum > LogisticsElectronicAddressMethodType) |
| Cell Phone Type | Type 3 |  |
| Cell Phone | Contact Number/Address 3 |  |
| Cell Phone Primary | Primary 3 |  |
| Cell Phone Private | Private 3 |  |

**Human Resources> Common > Organization > Positions > Positions**

**Fasttab: General**

| **Source** | **Destination** | **Notes** |
| --- | --- | --- |
| Empl ID | HcmPosition > Position | A new record will be inserted into the **HcmPosition** table for every employee. There will be a 1:1 relationship between **Personnel number** and **PositionId** |
| Job Code Info | HcmPositionDetail > Description |  |
| Job Code | HcmJob > Job \* | Mandatory. The record should exist in the Master table > HcmJob > JobId , otherwise jobcode should be added. . |
| Dept Number Description | HcmPositionDetail > Department | The record should exist in the Master table > OMOperatingUnit > Name , otherwise it will throw error. |
| Reports To Manger ID | HcmPosition > Reports to position | The record should exist in the Master table > HcmPosition >Position Id , otherwise it will throw error |
| Business Title | HcmTitle > Title | The record should exist in the Master table > HcmTitle >TitleId , otherwise it will throw error. |
| Full / Part Time | HcmPositionType > Position type | The record should exist in the Master table > HcmPositionType > TypeId , otherwise it will throw error. |
| FTE | HcmPositionDetail > Full – time equivalent |  |

**Human Resources> Common > Organization > Jobs**

**Fasttab: General**

| **Source** | **Destination** | **Notes** |
| --- | --- | --- |
| Job Code | HcmJob > Job | Mandatory. If the job doesn’t exist in the hcmjob table, a new record will be created. |
| Job Code Info | HcmJobDetail > Description |  |
| Max No. Positions | HcmJob > MaximumPositions | Maximum Number Of Positions (Radio button) |

**Human Resources> Common > Organization > Positions > Positions**

**Fasttab: Position duration**

| **Source** | **Destination** | **Notes** |
| --- | --- | --- |
| Hire Date | Position duration – activation  ( ValidFrom\_control) | The HcmPositionDuration.Validfrom should be updated with the HireDate. |

**Human Resources> Common > Organization > Positions > Positions**

**Fasttab: Worker assignment**

| **Source** | **Destination** | **Notes** |
| --- | --- | --- |
| Hire Date | Worker  Worker assignment – start  ( ValidFrom\_control) | The HcmPositionDuration.Validfrom should be updated with the HireDate. |

**Human Resources> Common > Organization > Positions > Positions**

**Fasttab: General**

| **Source** | **Destination** | **Notes** |
| --- | --- | --- |
| Empl ID | HcmPosition > position |  |

**Human Resources> Common > Organization > Positions > Positions**

**Fasttab: Position duration**

| **Source** | **Destination** | **Notes** |
| --- | --- | --- |
| Termination Date | Position duration – retirement  (ValidTo\_Control) | Termination date will be taken as specified in excel or Default value as ‘never’. |

**Human Resources> Common > Organization > Positions > Positions** Termination Date

**Fasttab: Worker assignment**

| **Source** | **Destination** | **Notes** |
| --- | --- | --- |
| Termination Date | Worker  Worker assignment – end  (ValidTo\_Control) | Termination date will be taken as specified in excel or Default value as ‘never’. |

**Human Resources>Common> Workers>Workers**

**Fasttab: Competencies and development > Competencies > Education**

| **Source** | **Destination** | **Notes** |
| --- | --- | --- |
| Empl ID | Personnel Number |  |
| Major | HcmEducationDiscipline > EducationDisciplineId | Mandatory. A record should exist in the Master table > HcmEducationDiscipline >EducationDisciplineId, otherwise it will throw error. |
| Major Description | HcmPersonEducation > Description |  |
| Education Code | HcmEducationLevel > EducationLevelId |  |
| Institution ID | HcmEducationInstitution > EducationInstitutionId | . |
| Institution Info | HcmEducationInstitution > Description |  |
| Date Earned or Expected | HcmPersonEducation > End date |  |

**Human Resources>Common>Workers>Workers**

**Fasttab: Competencies and development > Competencies > Certificates**

| **Source** | **Destination** | **Notes** |
| --- | --- | --- |
| Empl ID | Personnel Number |  |
| License/Cert Name | HcmCertificateType > CertificateTypeId | The record should exist in the Master table > HcmCertificateType > CertificateTypeId, otherwise it will throw error. |
| License/Cert Description | HcmCertificateType > Description |  |
| Issue Date | HcmPersonCertificate > IssueDate |  |
| Expiration Date | HcmPersonCertificate > ExpirationDate |  |
| Renewal | HcmCertificateType > Require renewal |  |
| License or Certificate Number | HcmPersonCertificate > Note |  |

**Human Resources>Common> Workers>Workers**

**Fasttab: Competencies and development > Competencies > Skills**

| **Source** | **Destination** | **Notes** |
| --- | --- | --- |
| Empl ID | Personnel Number  HcmPersonSkill >Person |  |
| Skill Short Description | HcmPersonSkill>Skill | The record should exist in the Master table > HcmSkill > SkillId, otherwise it will throw error. |
| Proficiency Level | HcmRatingLevel > RatingLevelId | The record should exist in the Master table > HcmRatingModel > RatingModelId, otherwise it will throw error. |
| Rating | HcmPersonSkill>RatingLevel | The record should exist in the Master table > HcmRatingLevel, otherwise an error will be thrown |
| Date Acquired | HcmPersonSkill > RatingLevelDate |  |

**Human Resources>Common> Workers>Workers**

**Fasttab: Competencies and development > Competencies > Courses**

| **Source** | **Destination** | **Notes** |
| --- | --- | --- |
| Empl ID | HcmPersonCourse > Person |  |
| Description | HcmPersonCourse > CourseId |  |
| Start date | HcmPersonCourse > StartDate |  |
| End date | HcmPersonCourse > EndDate |  |
| Session ID | HcmPersonCourse > CourseId |  |
| Location | HcmPersonCourse > Location |  |

Below are the prior setups needed before processing the csv files:

**Human Resources>Setup>Education>Education disciplines**

**Fasttab: None**

| **Source** | **Destination** | **Notes** |
| --- | --- | --- |
| Major | HcmEducationDiscipline > EducationDisciplineId |  |
| Major Description | HcmEducationDiscipline > Description |  |

**Human Resources>Setup>Education>Institutions**

**Fasttab: None**

| **Source** | **Destination** | **Notes** |
| --- | --- | --- |
| Institution ID | HcmEducationInstitution > EducationDisciplineId |  |
| Institution Description | HcmEducationInstitution > Description |  |

**Human Resources>Setup>Education>Degrees**

**Fasttab: None**

| **Source** | **Destination** | **Notes** |
| --- | --- | --- |
| Education Code | HcmEducationLevel > EducationLevelId |  |
| Education Description | HcmEducationLevel > Description |  |

**Human Resources>Setup>Competencies>Certificate types**

**Fasttab: None**

| **Source** | **Destination** | **Notes** |
| --- | --- | --- |
| License/Cert Name | HcmCertificateType > CertificateTypeId |  |
| License/Cert Description | HcmCertificateType > Description |  |
| Renewal | HcmCertificateType > Require Renewal |  |

**Human Resources>Setup>Skills>Skills**

**Fasttab: None**

| **Source** | **Destination** | **Notes** |
| --- | --- | --- |
| Skill Short Description | HcmSkill > SkillId |  |
| Skill Description | HcmSkill > Description |  |
| Rating | HcmRatingModel > RatingModel | The record should exist in the Master table > HcmRatingModel > RatingModelId, otherwise it will throw error. |

Dependencies and Assumptions

As outlined in the FDD the following assumptions are taken into consideration.

1. ADP will create 5 different csv files containing various employee data fields. This file will be stored on a FTP Site.
2. When an error occurs an e-mail alert is sent to the appropriate HR staff and if any corrections need to be made, they will be completed within ADP.
3. Once the corrections are made within ADP, they will be resending to AX during the next file that is generated by ADP.
4. Once a file has been successfully updated, the file should then be archived for 7 days. The archival of the file is used for reference purposes only.
5. Error handling needs to be managed.

Dependencies:

The Details of the csv files needs to be updated in the HRMParameters form.

The details of the FTP site and the credentials (username and password) should be provided in the HRMParameters form.

Along with these a temporary folder needs to be created in the local system and the path given in the HRMParameters form.

Sample Schemas

Sample XML schemas with versioning need to be embedded here

**Employee Data**



### Education



### Certificates



### Skills



### Courses



Security Strategy Summary

No Development work required.