

Contents

Loading data using Batch Loader – Technical Essay	Error! Bookmark not defined.
1 Features of Batch Loader	3
1.1 Transforming and loading the source data into batches	3
1.1.1 Load Batch from File	3
1.1.2 Batch Loader Spreadsheet.....	7
1.1.3 Batch Service	10
1.1.4 Create Batch from an Object Group	11
1.2 Processing of the batch.....	12
1.2.1 Transfer Batch.....	12
1.2.2 Purge Batch	12
1.3 Verification and Reconciliation.....	13
1.3.1 Spreadsheet Loader of the Batch Loader	13
1.4 Downloading a data into a Batch for migration.....	14
1.4.1 Create Batch for an Object	14
2 Supported Objects	15
2.1 Element Entry	15
2.2 Element.....	15
2.3 Fast Formula	16
2.4 Fast Formula Global.....	16
2.5 Balance Group.....	16
2.6 HCM User-Defined Table	16
2.7 Payroll Relationship	17
2.8 Bank	17
2.9 Bank Branch	17
2.10 External Bank Account	17
2.11 Personal Payment Method.....	17
2.12 Payroll Definition	17
2.13 Balance.....	17
2.14 Cost Allocation.....	17
3 Use Cases	19
3.1 Kronos Integration	19
3.2 Ceridian Time Card Integration.....	22
3.3 Creating/Migrating Elements.....	24
3.3.1 Creating an element in the source environment	24
3.3.2 Download the element from the source environment.....	26
3.3.3 Copy the element definition to the target environment.....	30
4 FAQ.....	31
4.1 Batch Loader: Spreadsheet.....	31
5 Appendix	32
5.1 Kronos Integration Sample Formula and Data File	32
5.1.1 Formula	32

5.1.2	Data File.....	32
5.2	Ceridian Integration Sample Formula and Data File.....	34
5.2.1	Formula	34
5.2.2	Data File.....	35
5.3	Object Supported - Attribute Level Information	36

1 Features of Batch Loader

1.1 Transforming and loading the source data into batches

1.1.1 Load Batch from File

This flow allows a file (such as xml, comma separated, etc.) to be transformed and loaded into a Batch.

Flow Name: Load Batch from File

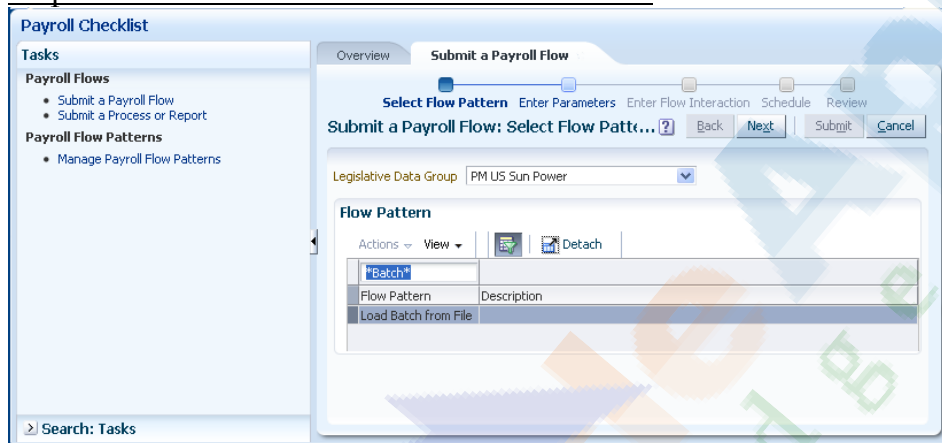
Parameters:

Batch	Name of the batch in which to load this file.
Transformation	Choose the Fast Formula that contains the Rule to transform the file.
Formula	

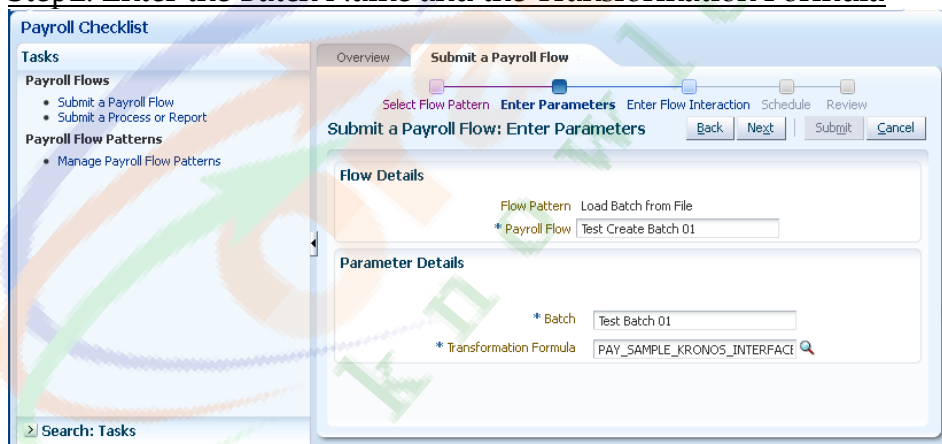
Transformation Formula is based on "Batch Loader" Formula Type. This formula holds the information on how to read the source file, how to transform and any conversion before mapping to the Fusion Batch objects.

1.1.1.1 How to submit it?

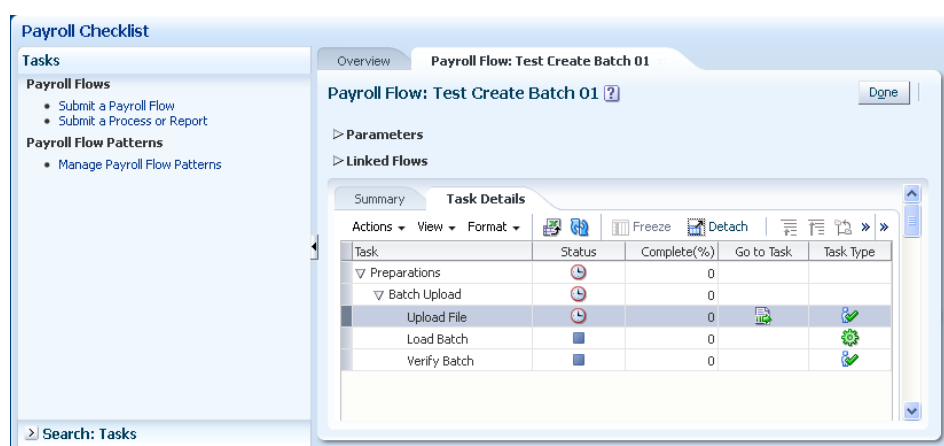
Step 1: Select the flow "Load Batch from File"



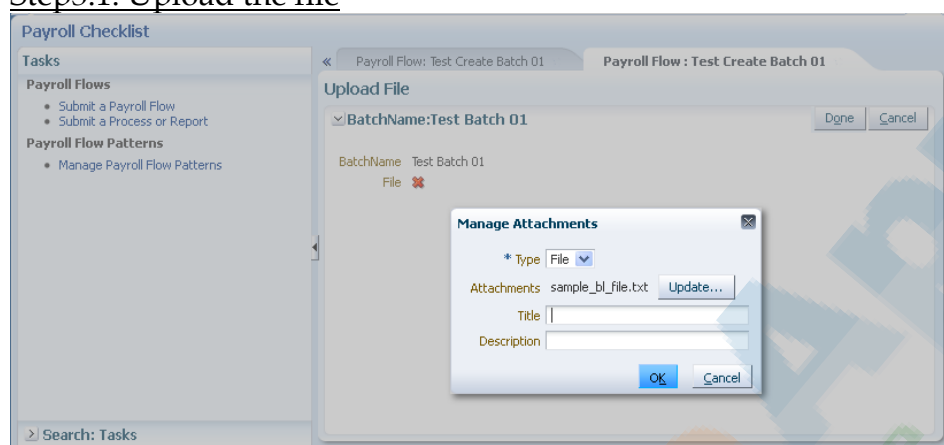
Step2: Enter the Batch Name and the Transformation Formula



Step 3: Carry out each task in the checklist



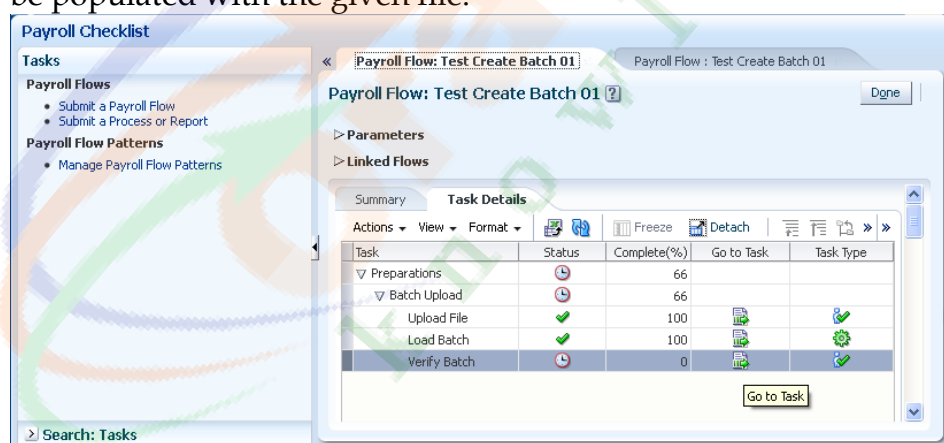
Step3.1: Upload the file

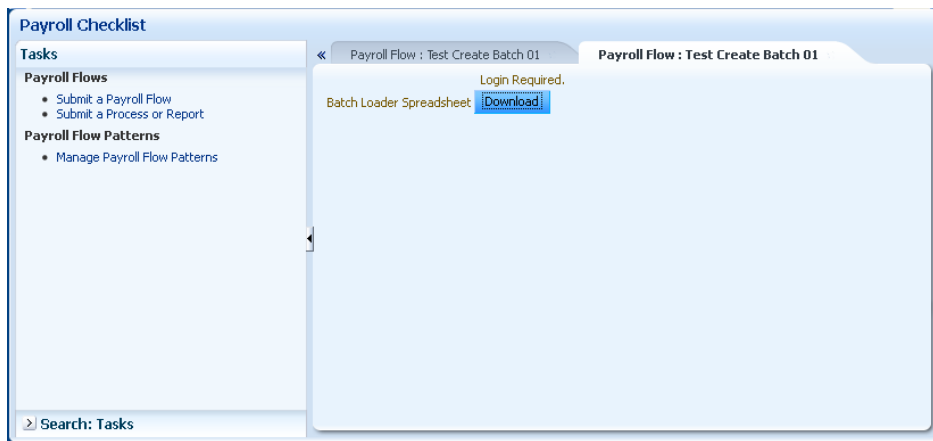


Please note if the batch doesn't exist then a new batch will be created. Once the file is uploaded and user clicks on the "Done" button then this task will be marked as complete.

Step 3.2: Load and Verify Batch

Once the file is uploaded the Load file will automatically executed and the named batch will be populated with the given file.





Via this UI the spreadsheet can be downloaded to view and verify the content of the batch.

1.1.1.2 Transformation Formula

This formula is used to provide information about the type of file, how to read the file and how to transform the data that is in the file to map information that is required to create a batch line for a given Task/Task Action.

Formula Type

Batch Loader

Inputs

OPERATION (text): Such as FILETYPE, DELIMITER, READ and MAP .

LINENO (number) : Line number to be used for the Batch Line Sequence.

LINEREPEATNO (number): This is only needed if a single line in the file can be used to create multiple batch lines. Please refer to Section 5.1.1 for an formula where it splits a single line from the file into two batch lines in the batch.

POSITION1..X (text) : This is needed if the file is delimited or position based. Also only need to pass those columns that will be referenced in the formula, such as POSITION1, POSITION2, etc.

<XML TAG NAME> (text): If the file is XML based then name of the tags can be passed.

Outputs (if OPERATION is FILETYPE or DELIMITER or READ)

OUTPUTVALUE (text)

For example, for a comma separated file;

OPERATION='FILETYPE' => OUTPUTVALUE='DELIMITED'

OPERATION=' DELIMITER' => OUTPUTVALUE=','

Outputs (if OPERATION is MAP)

TASK : Name of the task. E.g. 'Element Entry'

TASKACTION : Name of the task action. E.g. 'Quick Create Overtime'

LINSEQUENCE : Line sequence. E.g. 1

LINEREPEAT: This is only required if multiple batch lines need to be created for a single line in the file. The value for this can be either Y or N.

<Name of the column> : This will be based on the name of the columns for the selected Task/Task Action. E.g. 'Effective_Start_Date' if the column is 'Effective Start Date'. Please note that if the column name has space then underscore character needs to be used when referencing in the formula.

Please refer to Use Case and Appendix sections for sample usage of this feature.



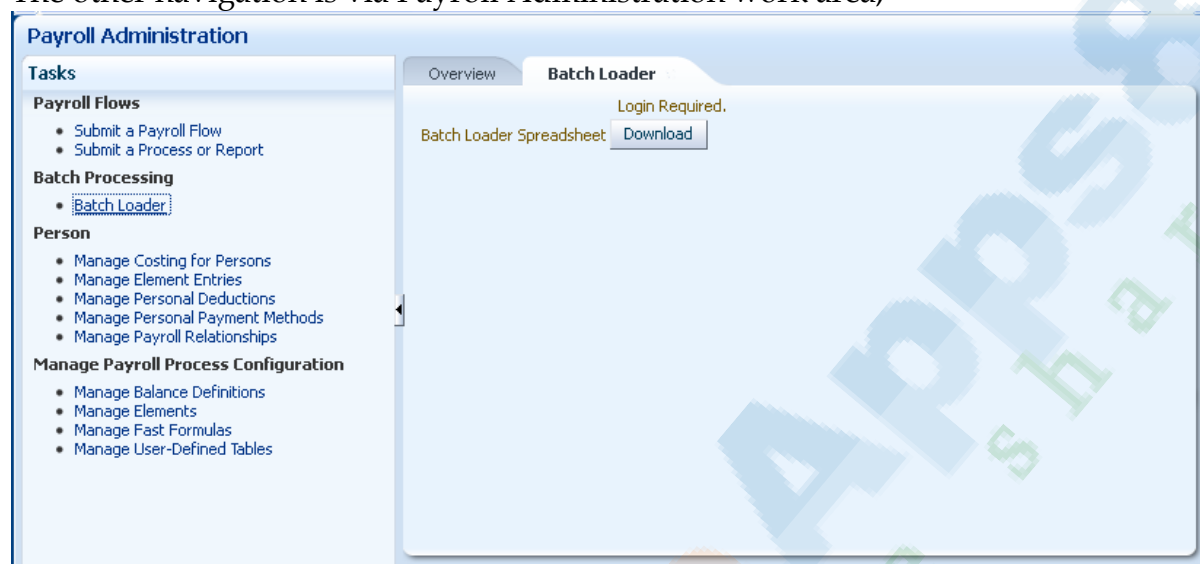
1.1.2 Batch Loader Spreadsheet

Batch Loader spreadsheet allows the user to manage batch for all supported objects, such as Element Entry, Fast Formula Global, etc. This is manual form of entry.

1.1.2.1 How to navigate?

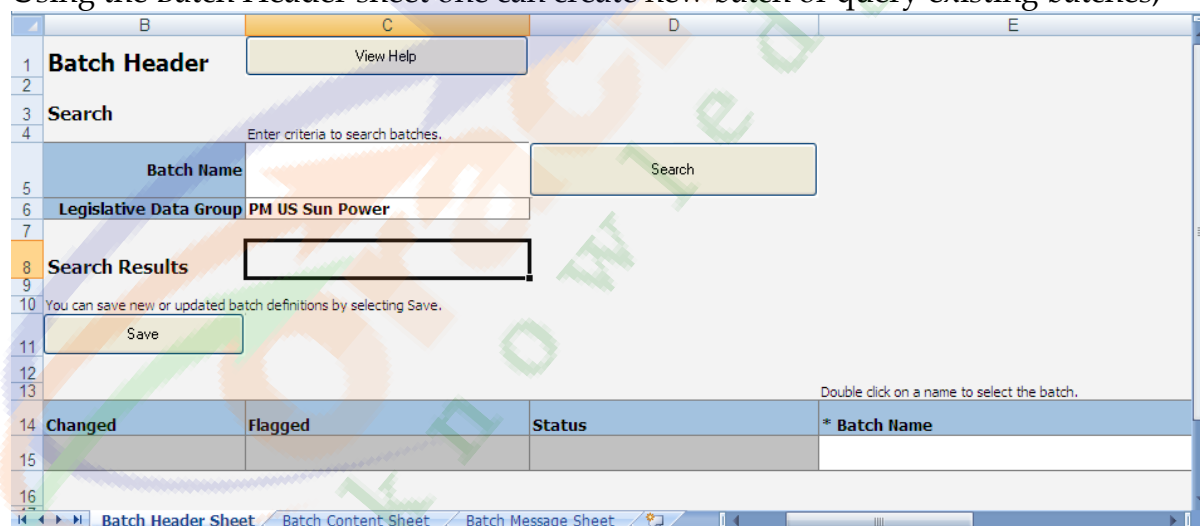
When working with Flows, the navigation access to batch loader spreadsheet is commonly available via tasks provided to enter or load batches. The Go To link of the Checklist user interface will take the user to a page where they can download the spreadsheet. An example of this is given above in the "Load Batch from File" flow.

The other navigation is via Payroll Administration work area;



1.1.2.2 How to create or view batch and batch lines?

Using the Batch Header sheet one can create new batch or query existing batches;



NOTE: Before navigating to Batch Content sheet or Batch Message sheet then please ensure the user have selected a batch by double clicking the name.

The Batch lines can be created or viewed via the Batch Content sheet;

Batch Content Sheet: Test Batch 01 - PM US Sun Power

Batch Contents Action

Select Add to enter new actions for the batch.

Add

Double click on a task action to select it.

Task Name	Task Action Name	Number of Lines

Batch Content Line Details

Click Save to commit line details and update the number of batch lines.

Refresh Delete Save

Right-click on a row and select Insert to add a batch content line.

Changed	Flagged	Status	Batch Line Status	* Line Sequence	Key

Batch Header Sheet Batch Content Sheet Batch Message Sheet

If the batch name is not shown in the title then the batch is not selected.

In here user can add additional lines, but prior to that they need to either by clicking “Add” button to add a Task/Task Action or select an existing one;

Batch Content Sheet: Test Batch 01 - PM US Sun Power

Batch Contents Action

Select Add to enter new actions for the batch.

Add

Double click on a task action to select it.

Task Name	Task Action Name	Number of Lines

Batch Content Line Details

Click Save to commit line details and update the number of batch lines.

Refresh Delete Save

Right-click on a row and select Insert to add a batch content line.

Changed	Flagged	Status	Batch Line Status	* Line Sequence	Key

Batch Header Sheet Batch Content Sheet Batch Message Sheet

Task Actions

Search and Select

Task Name: Formula%

Task Action Name:

Search Reset

Task Name	Task Action Name
Fast Formula	Create
Fast Formula	Delete
Fast Formula	Update
Fast Formula Global	Create

	B	C	D	E	F	G
1	Batch Content Sheet: Test Batch 01 - PM US Sun Power					
2						
3	Batch Contents Action					
4						
5	Select Add to enter new actions for the batch.					
6	<input type="button" value="Add"/>					
7						
8	Double click on a task action to select it.					
9	Task Name	Task Action Name	Number of Lines			
10	Fast Formula Global	Create	0			
11	Fast Formula	Create	1			
12						
13	Batch Content Line Details					
14						
15	Click Save to commit line details and update the number of batch lines.					
16	<input type="button" value="Refresh"/>	<input type="button" value="Delete"/>	<input type="button" value="Save"/>			
17						
18	Right-click on a row and select Insert to add a batch content line.					
19	Changed	Flagged	Status	Batch Line Status	* Line Sequence	* Effective Start Date
20						
21						
22						
23						

1.1.2.3 How to view error or warning messages?

Error or warning messages can be viewed via the Batch Message sheet.

	B	C	D	E
1	Messages: Test Batch 01 - PM US Sun Power			
2				
3	Task Name	Task Action Name	Line Sequence	Severity Level
4				Message
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				

Batch Header Sheet Batch Content Sheet **Batch Message Sheet**

Please note that if the batch name is not shown in the title then the batch is not selected.

1.1.3 Batch Service

Batch services can also be used to by predefined custom solutions to create and load batches.

Service

Service context root: hcmBatchInterfaceService/BatchInterfaceService

Service Methods

Batch Header: createBatchHeader, updateBatchHeader, deleteBatchHeader and mergeBatchHeader

Batch Line: createBatchLine, updateBatchLine, deleteBatchLine and mergeBatchLine

Batch Line Values: createBatchLineValue, updateBatchLineValue, deleteBatchLineValue and mergeBatchLineValue

Batch lines values takes one row for each parameter. E.g. in the Element Entry case, operations needs to be called for Reason, Effective Start Date, Assignment Number and Amount. When the service is available then the corresponding documentation also will be available via Oracle Enterprise Repository.

1.1.4 Create Batch from an Object Group

This process is used to create a batch for a task and an action for all members of a given Object Group.

Process Name: Create Batch

Parameters:

Process Date	The date in which to content of the object group to be evaluated.
Batch	Name of a group of entries, or batch of data, to load into certain records based on predefined templates.
Task Action	Name of the batch. If the given batch already exists then it will be used.
Object Group	Task Action that needs to be loaded into the batch.
	Name of the Object Group that will be used to create batch lines.

1.2 Processing of the batch

1.2.1 Transfer Batch

This process transfers the contents of the batch to live tables. If there are failures in few lines then they will be in error but the remaining will be transferred.

Process Name: Transfer Batch

Parameters:

Batch Name of the batch that needs to be transferred.

1.2.2 Purge Batch

This process purge the given batch header and lines.

Process Name: Purge Batch

Parameters:

Batch Name of the batch that needs to be purged.



1.3 Verification and Reconciliation

1.3.1 Spreadsheet Loader of the Batch Loader

This allows the status of the transfer to be reviewed as well as corrected before attempting to transfer the batch again.



1.4 Downloading a data into a Batch for migration

1.4.1 Create Batch for an Object

This process is used to download the content of an object into a batch, which can be copied to another batch in the target system, such that record and its date effective history can be created.

Process Name: Create Batch for an Object

Parameters:

Batch	Name of a group of entries, or batch of data, to load into certain records based on predefined template.
Object	The object to download into the batch, such as Fast Formula or Element.
Record	Filter the download by the given name. It can be the exact or partial, such as %My%.
Legislative Data Group Level	Where applicable only download the object for the given Legislative Data Group. For example, to download all Fast Formulas at enterprise level then the value for this would be No, but to download Fast Formulas for a given Legislative Data Group of the batch then it will be Yes.

2 Supported Objects

2.1 Element Entry

Quick Create

Create Element Entry

Update Element Entry

This supports the correction and update of element entries.

Delete Element Entry

This supports the purge or end dating of element entries.

2.2 Element

Quick Create

The creation of an element is based on a template that is available for the given classification of the element. However this also varies by the product usage (i.e. license); No Payroll (i.e. HR Only)

Regardless of what element classification is chosen the “Basic Element Template” should be used for this type of product usage.

Payroll Interface

For this type of product usage then all earning classifications should be used with “Global Earnings Basic” and for rest the “Basic Element Template” should be used.

Payroll

All available templates can be used. However they should be used with the following classification;

Primary Classifications	Secondary Classifications	Template Name
Absences		GLOBAL_ABSENCE_ELEMENTS
Balance Initialization		Basic Element Template
Direct Payments		Global Earnings
Employee Tax Credits		Global Tax Credits and Charges
Employer Charges		401K Deduction Template
Employer Charges		Global Tax Credits and Charges
Employer Taxes		Global Tax Credits and Charges
Information		Basic Element Template
Involuntary Deductions	Alimony	Support
Involuntary Deductions	Bankruptcy Order	Court Order
Involuntary Deductions	Court Order	Court Order
Involuntary Deductions	Debt Collection	Court Order
Involuntary Deductions	Educational Loan	Court Order
Involuntary Deductions	Employee Requested	Court Order
Involuntary Deductions	Spousal Support	Support
Involuntary Deductions	Support Child	Support
Involuntary Deductions	Tax Levy	Tax Levy
Involuntary Deductions	Wage Attachment	Court Order
Pre-Statutory Deductions	Deferred Compensation Plan	401K Deduction Template
Pre-Statutory Deductions		Global Pre-Statutory Deduction
Social Insurance Deductions		Basic Element Template
Standard Earnings		Global Earnings

Standard Earnings	Premium	Global Earnings Premium
Standard Earnings	Regular	Global Earnings
Supplemental Earnings		Global Earnings
Tax Deductions		Basic Element Template
Taxable Benefits		Global Earnings
Voluntary Deductions		Global Voluntary Deduction

The values for the questionnaire matches the values entered in the UI. Supported list of values for each can be seen on the UI for the given template and questionnaire.

However please note that in the Batch Loader there may be more questionnaire than what it appears in the UI. These are hidden questionnaires with defaults and are used in connection with other questionnaires in the UI. In such case the way to find the values is by creating the element via UI and then downloading it.

It is recommended that this task action to be used to create element based on another element created via the UI. For example, an element created in a test environment can be downloaded into a batch via the "Create Batch for an Object", where by the content of the batch can be copied a batch in the production environment. This is because the defaulting and validation on questionnaire is limited when compared to the UI. Please refer to section 3.3 for an example of how this can be used to clone elements from one environment to another.

Update Element

Delete Element

Create Input Value

Update Input Value

Delete Input Value

Download Supported via Create Batch for an Object process

2.3 Fast Formula

Create

Update

Delete

Download Supported via Create Batch for an Object process

2.4 Fast Formula Global

Create

2.5 Balance Group

Add a Defined Balance

Remove a Defined Balance

2.6 HCM User-Defined Table

Create User-Defined Table

Update User-Defined Table: Currently this only allows the correction of existing records.

Create User-Defined Column

Update User-Defined Column: Currently this only allows the correction of existing records.

Create User-Defined Row

Update User-Defined Row: Currently this only allows the correction of existing records, where by the user needs to pass the Effective Start Date and Effective End Date of the existing record.

Create User-Defined Column Instance

Update User-Defined Column Instance: Currently this only allows the correction of existing records, where by the user needs to pass the Effective Start Date and Effective End Date of the existing record.

2.7 Payroll Relationship

Add Payroll

End Payroll

2.8 Bank

Create Bank

2.9 Bank Branch

Create Bank Branch

2.10 External Bank Account

Create External Bank Account

2.11 Personal Payment Method

Create Personal Payment Method

2.12 Payroll Definition

Create Payroll Definition

Update Payroll Definition: Currently this only allows the correction of existing records, where by the user needs to pass the Effective Start Date and Effective End Date of the existing record.

Delete Payroll Definition: Currently this only allows the deletion of existing records, where by the user needs to pass the Effective Start Date and Effective End Date of the existing record.

2.13 Balance

Initialize Balance

NOTE: This is not a Batch Loader object. This object is used in connection with Balance Initialization feature. Please refer to Balance Initialization documentation for more information.

2.14 Cost Allocation

Create Cost Allocation

Delete Cost Allocation

For above two actions the information that needs to be passed for Source and Creator can vary based on the Source Type;

Level	Source Type	Source	Creator
Element at Assignment number	AET	Element name	Assignment
Element at Employment Terms number	TET	Element name	Terms
Element at Payroll Relationship Relationship Number	PRET	Element name	Payroll
Assignment	ASG	Assignment number	
Employment Terms	TERM	Terms number	
Payroll Relationship	PREL	Payroll Relationship Number	
Position	POS	Position Name	

Job	JOB		Job Name
Department	ORG		Department Name
Element Eligibility	EL		Element Eligibility name
Payroll	PAY		Payroll Name

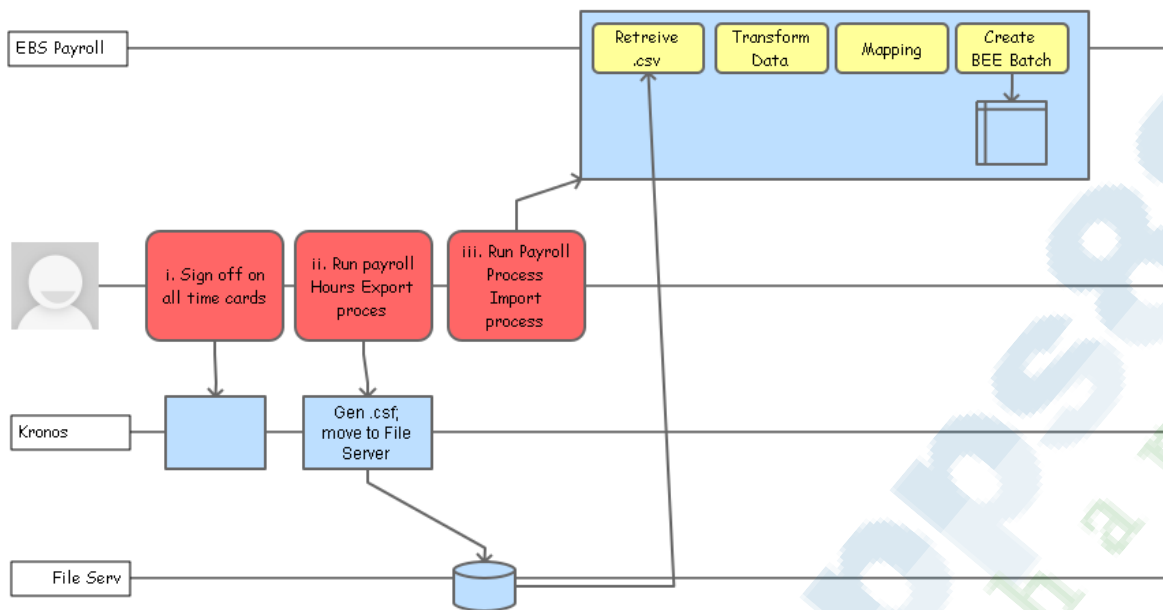
Please note that balance costing can be only entered at the element eligibility.



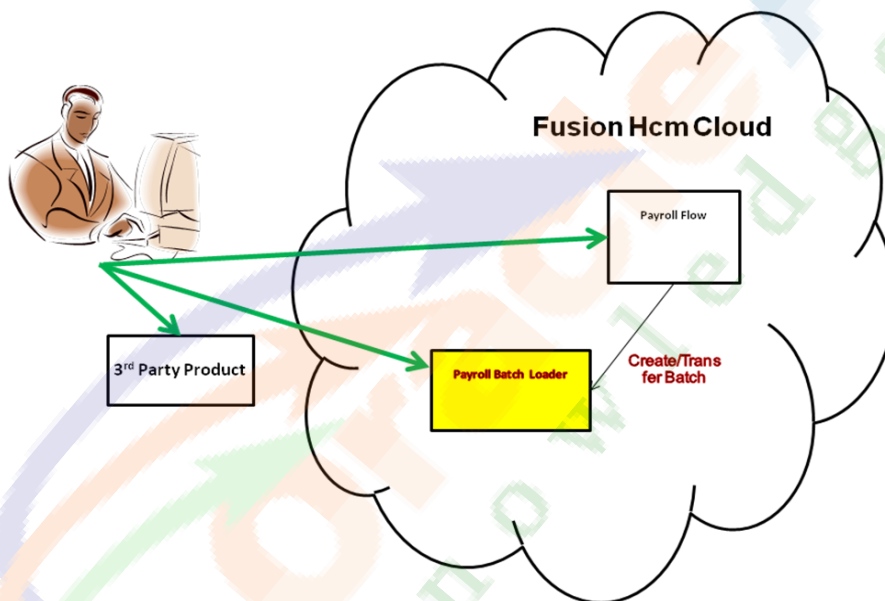
3 Use Cases

3.1 Kronos Integration

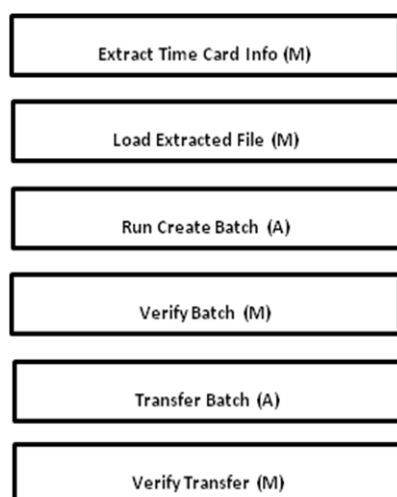
Existing EBS solution



Fusion Solution Overview



Payroll Flow can be created to automate the import of Kronos data in bi-weekly frequency



Define the above flow in the Manage Payroll Flow Pattern user interface.

Task: Extract Time Card Info

This is a manual task in the flow. This is where user the extract the Kronos output via its supported tools. A sample output might look like;

Person Number | Date Earned | Payroll | Hours | | Element

...

0002241 | 05/10/2013 | LPS Bi-weekly | 08.00 | | VCT

0002241 | 05/13/2013 | LPS Bi-weekly | 08.00 | | SCK

0002300 | 05/15/2013 | LPS Bi-weekly | 08.00 | | VCT

0002300 | 05/16/2013 | LPS Bi-weekly | 08.00 | | VCT

...

Task: Load Extracted File

This is again a manual step. This is where the user takes the file from the customer FTP server and load it into the Fusion as required for the Load Batch Via File process with the name matching to the Flow instance name.

Task: Run Create Batch

This is an automatic task. This task will execute the Load Batch via File. This will take the attached data file and transform it before loading it into the given Batch (i.e. the batch name can be defaulted to the name of the flow instance).

The Fast Formula used for this transformation rule needs to contain the following;

FileType:

"DELIMITED"

FileDelimiter:

" | "

Read:

""

Map and Convert:

"

/*Batch Related Outputs*/

TASK="Element Entry"

TASKACTION="Quick Create - VCT Element"

LINESEQUENCE=LINENO

```
/*Task Action Related Outputs */  
Effective_Start_Date=POSITION2  
Assignment_Number="E" | | POSITION1  
Units=POSITION4
```

"

Verify Batch

This is a manual task where user can launch the spreadsheet. User can open up the loaded batch via the spreadsheet and verify the content before transferring them.

Transfer Batch

This is an automatic task that transfers the content of the batch into the Fusion objects. In this example the Batch Name can be defaulted to the name of the Flow instance.

Verify Transfer

This is a manual task where the user can be provided with the navigation to the Manage Element Entry user interface. Therefore user can go there and do some sample check to see whether the data is loaded or not.

3.2 Ceridian Time Card Integration

The integration for this can be done similar to the Kronos example, but these sections focus on how the information in the Ceridian output can be transformed in order to import this in Fusion.

Sample Ceridian output

Batch Name (for Ceridian)	Clock	Time Hours	Constant	Cost
	Hours			
Center (if charging to other than Home CC)				

AAAAAAAAAAAAAA	BBBBBB	CCDEE.EE	#	
FFFFF				

Key

AAAAAAAAAAAAAA - Batch Name

BBBBBB - Employee Number

CC - Element Code

D - "0" for positive and "-" for negative

EE.EE - Hours

The file name might indicate the period in which these time cards need to be created.

Key information needed for Fusion Payroll

The task and the action that is to be performed. E.g. Element Entry and Quick Create. In addition to the next key information is the element.

Other than this following are essential;

Reason (optional), Sub Priority (optional), Effective Start Date, Effective End Date (optional), Assignment Number

Information that are controlled by the integration use case

For example Payroll Interface customers, when an earning element is created then the following input values might get generated and it can vary by the calculation rule selected; Flat Amount - Pay Value, Amount, Periodicity, Third-Party Earnings Type, Third-Party Earnings Code, Reduce Regular, Reduce Regular Earning, Reduce Regular Hours, Reduce Regular Days, Third-Party Earnings Code, Hours Worked, etc.

Percentage of Earnings - Pay Value, Percentage, Periodicity, Hours Worked, etc.

Hour By Rate - Pay Value, Unit Type, Units, Rate, Multiple, Periodicity, Calculated Rate, Calculated Days, Reduce Regular, Reduce Regular Earning, Reduce Regular Hours, Reduce Regular Days, Calculated Hours, Hours Worked

In addition to these there will other user defined input values too.

What should be the ideal output required for Ceridian?

So as part of the mapping one should consider whether any of these are relevant and if it is then it should be either passed or defaulted.

In this example let's consider the following assumptions;

- 1) The time entries that are being transferred is non recurring element.
- 2) The information that is required is only Hours and Date Earned and the rest are defaulted, like Rate, etc.
- 3) Costing information.

Given this the format of information needed from Ceridian is as follows but can vary if the above assumption changes;

Preferred information from Ceridian for Time entries

Element (i.e. Element Code), Assignment Number (e.g. Employee Number if it is single assignment), Start Date, End Date, Date Earned, Hours, Cost

This information can be comma-separated.

How can these be mapped to Element Entry in Fusion via the Batch Loader?

Task/Task Action/Element Name - The two digit code can be converted to the corresponding action in the formula rule mechanism. E.g. code of 01 can be mapped to "Quick Create - Normal Hours".

Assignment Number - If the implementation has only single assignment then prefixing it with "E" to the passed employer number/person number should do the trick. This can be done in the formula rule as well, but performance is the concern. However if it involves multiple assignment then it might be preferable to convert prior to passing this to Fusion.

Effective Start Date - This will be the Start Date

Effective End Date - This will be the End Date

For generated or user defined input values;

e.g. by taking the hours * rate element

Calculated Hour or Hours Worked - This can take the Hours from the imported file.

Date Earned - This can take the Date Earned from the imported file.

3.3 Creating/Migrating Elements

Here is an example where a user, with product usage of no Payroll (i.e. HR Only license), created an element via the UI. In addition to that they have also created few input values on testing environment. Once validated the given element they wanted to recreate the same in the production.

3.3.1 Creating an element in the source environment

Payroll Calculation

Overview Manage Elements

Manage Elements ?

Advanced Search

Element Name: Does not contain
Reporting Name: Starts with
Description: Starts with

Create Element

Legislative Data Group: PM US Sun Power
Primary Classification: Information
Secondary Classification:

Continue Cancel

Search Results

Element Name	Priority	Description	Primary Classification	Reporting Name	Legislative Data Group	Effective
AKS_SE1	3500					
AKS_SE1 Earnings Calculator	3500	AKS_SE1	Supplemental Earning AKS_SE1		PM US Sun Power	06/18/20
AKS_SE1 Earnings Distributor	3500	AKS_SE1	Supplemental Earning AKS_SE1		PM US Sun Power	06/18/20

Select the Primary/Secondary classifications.

Payroll Calculation

Overview Manage Elements

Basic Information Additional Details Review

Create Element: Basic Information ?

Name: Sales Overtime
Reporting Name: Sales Overtime
Description:

Element Information
Classification Name: Information
Legislative Data Group: PM US Sun Power
Effective Date: 01/01/1900

Currency
Input Currency: US Dollar

Durations
Should every person eligible for the element automatically receive it?
☒ No ☐ Yes

What is the earliest entry date for this element? First Standard Earning Date
What is the latest entry date for this element? Final Close

Back Next Submit Cancel

Choose the relevant answers for the given set of questionnaire.

Payroll Calculation

Overview **Manage Elements**

Basic Information Additional Details **Review**

Create Element: Review ?

Review the selected options and make updates before submitting.

Hide

Element Name Sales Overtime Element Classification Name Information
Reporting Name Sales Overtime Legislative Data Group PM US Sun Power
Description Effective Date 01/01/1900

Rule	Default Option	Selected Option
Input Currency	US Dollar	US Dollar
Should every person eligible for the element automatically receive it?	No	No
What is the earliest entry date for this element?		First Standard Earning Date
What is the latest entry date for this element?		Final Close
At which employment level should this element be attached?	Assignment level	Assignment level
Does this element recur each payroll period, or does it require explicit entry?	Recurring	Recurring
Can a person have more than one entry of this element in a payroll period?	No	No

Review and submit.

Payroll Calculation

Overview **Manage Elements**

Element Summary: Sales Overtime ?

View History Done

Primary Classification Information Legislative Data Group PM US Sun Power
Reporting Name Sales Overtime * Effective As-of Date 01/01/1900

Element Overview

Actions View

Create Input Values

- Input Values
- Element Eligibility
- Status Processing Rules
- Autoindirect Rules
- Frequency Rules
- Retroactive Components
- Iterative Rules

Element Details

Element Name Sales Overtime Description
Primary Classification Information Effective Start Date 01/01/1900
Secondary Classification Effective End Date
Reporting Name Sales Overtime

Standard Rules ?

Recurring entry Recurring
Employment Level Assignment level

☐ Balance adjustments only
☐ Closed for entry

Entry Values
☐ Automatic entry
☐ Allow multiple entries in same period
☐ Additional entry
Processing Options

Once the element created then adds an input value as well.

Payroll Calculation

Overview **Manage Elements**

Element Summary: Sales Overtime [View History](#) [Done](#)

Primary Classification Information Legislative Data Group PM US Sun Power
 Reporting Name Sales Overtime * Effective As-of Date 01/01/1900

Element Overview

Actions View

- Sales Overtime
 - Input Values
 - Hours Worked
 - Element Eligibility
 - Status Processing Rules
 - Autoindirect Rules
 - Frequency Rules
 - Retroactive Components

Element Details [End Date](#) [Edit](#)

Element Name Sales Overtime Description
 Primary Classification Information Effective Start Date 01/01/1900
 Secondary Classification Effective End Date
 Reporting Name Sales Overtime

Standard Rules

Recurring entry Recurring
 Employment Assignment level
 Level
☐ Balance adjustments only
☐ Closed for entry

Entry Values
☐ Automatic entry
☐ Allow multiple entries in same period
☐ Additional entry
 Processing Options

3.3.2 Download the element from the source environment

Payroll Checklist

Overview **Submit a Process or Report**

Select Flow Pattern Enter Parameters Enter Flow Interaction Schedule Review

Submit a Process or Report: Select Flow Pattern [Back](#) [Next](#) [Submit](#) [Cancel](#)

Legislative Data Group PM US Sun Power

Process or Report

Actions View [Detach](#)

Create*	Description
Create Accounting	Submit a process to preview or create accounting entries for general ledger. The review mode creates results that are not posted to General
Create Batch	Create a new spreadsheet to enter data of batch content.
Create Batch for an Object	An object and its history can be downloaded into a batch.

In the Submit Processes or Reports, select **Create Batch for an Object**.

Payroll Checklist

Overview **Submit a Process or Report**

Select Flow Pattern Enter Parameters Enter Flow Interaction Schedule Review

Submit a Process or Report: Enter Parameters

Back Next Submit Cancel

Flow Details

Flow Pattern Create Batch for an Object

* Payroll Flow SS Migrate 01

Parameter Details

* Process Date 10/02/2013

* Batch SS Migrate 01 Batch

* Object Element

* Record Sale%Over%

* Legislative Data Group Level Yes

Enter the Object as Element and the record name to filter the elements that are to be downloaded.

Payroll Checklist

Overview **Submit a Process or Report**

Select Flow Pattern Enter Parameters Enter Flow Interaction Schedule **Review**

Submit a Process or Report: Review

Back Next Submit Cancel

Flow Details

Flow Pattern Create Batch for an Object

Payroll Flow SS Migrate 01

Parameter Details

Process Date 10/02/2013

Batch SS Migrate 01 Batch

Object Element

Record Sale%Over%

Legislative Data Group Level Yes

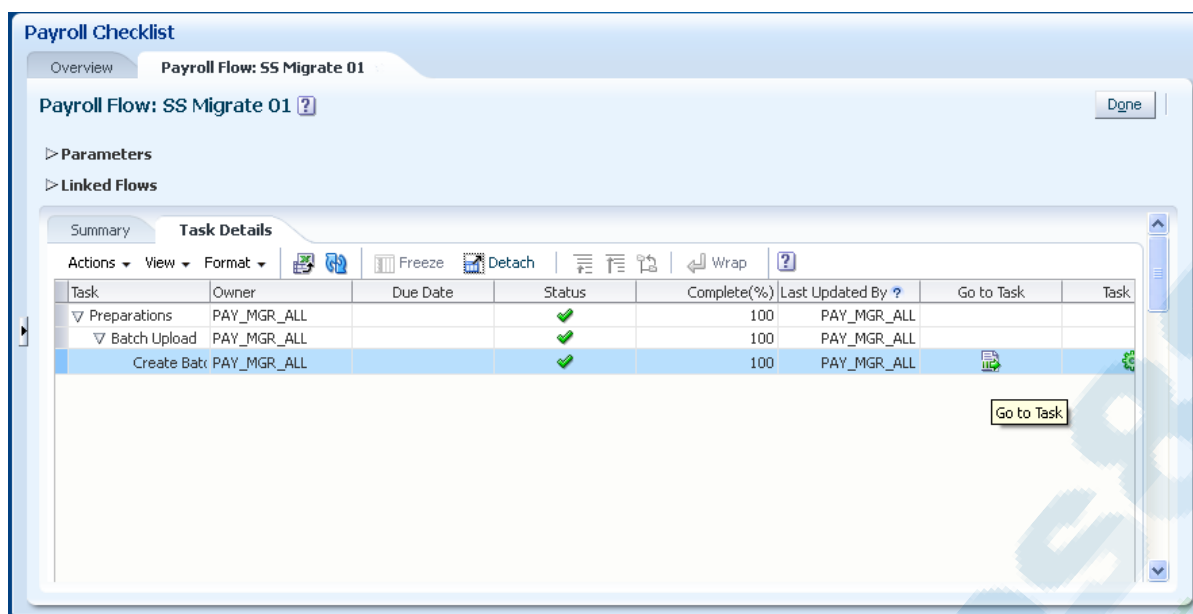
Flow Interaction

	From		To	
	Payroll Flow	Task	Payroll Flow	Task
No data to display.				

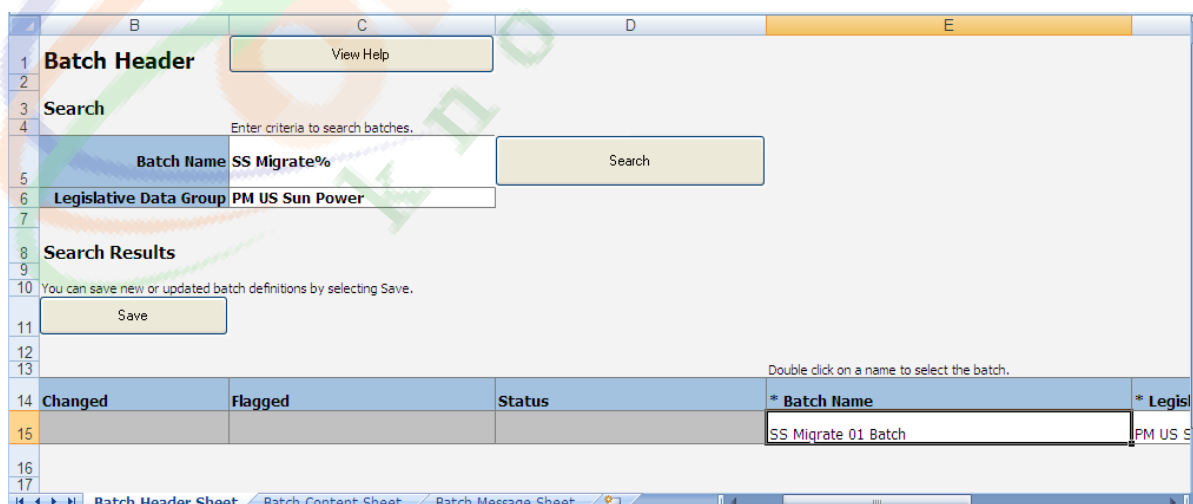
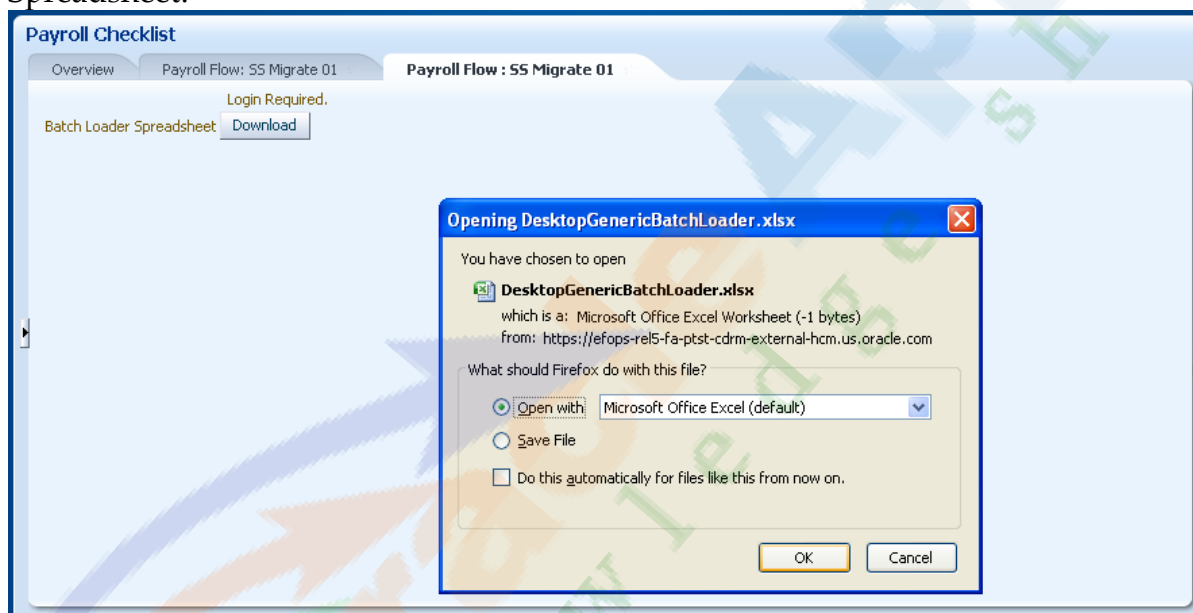
Include in next tasks

Schedule

Submit the given process.



Once the process is complete then the given batch can be viewed via the Batch Loader's Spreadsheet.



Batch Contents Action

Select Add to enter new actions for the batch.

Add

Double click on a task action to select it.

Task Name	Task Action Name	Number of Lines
Element	Create Input Value	1
Element	Quick Create - Basic Element Template	1

Batch Content Line Details

Click Save to commit line details and update the number of batch lines.

Refresh Delete Save

Right-click on a row and select Insert to add a batch content line.

Changed	Flagged	Status	Batch Line Status	* Line Sequence	* Name
			Unprocessed	1	Sales Overtime

Batch Header Sheet Batch Content Sheet Batch Message Sheet

Values for Element: Quick Create - Basic Element Template

* Line Sequence	71
* Name	Sales Overtime
* Reporting Name	Sales Overtime
Description	
* Effective Date	1900-01-01
Output Currency	US Dollar
Input Currency	US Dollar
Should every person eligible for the element automatically receive it?	No
What is the earliest entry date for this element?	First Standard Earning Date
What is the latest entry date for this element?	Final Close
Classification ID	Information
At which employment level should this element be attached?	Assignment level
Do you want the element to be processed at Payroll Relationship level?	
Do you want the element to be processed at Payroll Term level?	
Do you want the element to be processed at Payroll Assignment level?	Yes
Does this element recur each payroll period, or does it require explicit entry?	Recurring
Can a person have more than one entry of this element in a payroll period?	No
Secondary Classification ID	

Batch Content Sheet: SS Migrate 03 Batch - PM US Sun Power

Batch Contents Action

Select Add to enter new actions for the batch.

Add

Double click on a task action to select it.

Task Name	Task Action Name	Number of Lines
Element	Create Input Value	1
Element	Quick Create - Basic Element Template	1

Batch Content Line Details

Click Save to commit line details and update the number of batch lines.

Refresh Delete Save

Right-click on a row and select Insert to add a batch content line.

Changed	Flagged	Status	Batch Line Status	* Line Sequence	* Effective As Of Date	* Element	* Input Value
			Unprocessed	8	1900-01-01	Sales Overtime	Hours Worked

Batch Header Sheet Batch Content Sheet Batch Message Sheet

Values for Element: Create Input Value

* Effective As Of Date	1900-01-01
* Element	Sales Overtime
* Input Value	Hours Worked
* Unit Of Measure	Number
* Required	No
* Display Sequence	1
Default	
* Apply default at run time	No
Minimum	
Maximum	
Warning Or Error	
Lookup Type	
Validation Formula	
Validation Source	
* Create a Database Item	Yes
Reference	
* Allow User Entry	Yes
* Displayed	Yes
Special Purpose	Units
Override Message	

Likewise if there is an update to the given Input Value then there will be additional line for "Update Input Value".

3.3.3 Copy the element definition to the target environment

Create a batch in the target environment. Then cut and paste the corresponding lines from the source batch to the target batch, like the example values shown above.

Once done then Transfer the batch to create the element and the additional input value.

4 FAQ

4.1 Batch Loader: Spreadsheet

How to navigate to the spreadsheet?

Navigation: Payroll Administrator work area => Batch Loader

Is there a limitation on the size of lines I can upload or download?

No, but message sheet has a limitation to show only 500 messages.

This is tracked via a bug.

Why my batch lines are not querying or why the task or task actions are not querying?

Please re-query the batch and select the batch, before coming to the batch line sheet. Once you are in there it should show the batch header name in the line sheet.

Why the spreadsheet is not rendering the field and button properly?

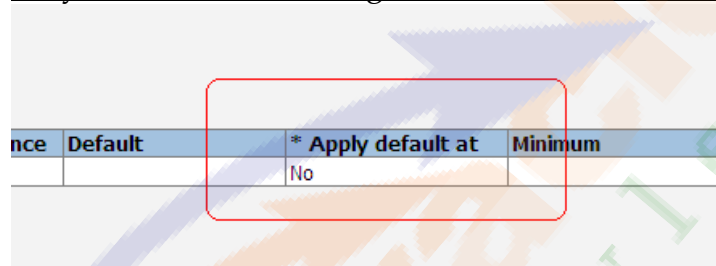
If Oracle ADF Desktop Integration for Excel is not installed then please download and install. Please refer to Oracle ADF Desktop Integration for Excel documentation for further details on this.

However if it is already installed and not working ,the try uninstalling and installing the Oracle ADF Desktop Integration for Excel client or make sure the Oracle ADF Desktop Integration for Excel add on is not disabled.

Why sometime entering a date is auto converted to number?

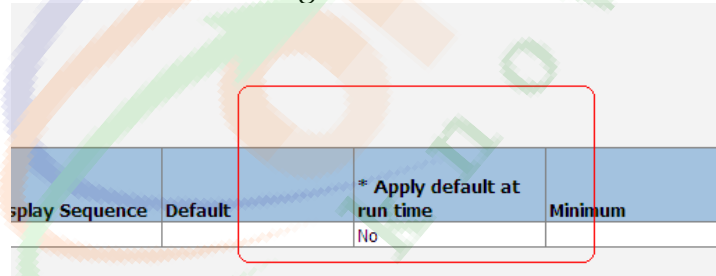
This happens based on the Ms Excel customizations. If such happens then entering the value with single resolves the issue. E.g. 'YYYY-MM-DD => '2013-01-01

Why the columns heading for the batch content are chopped?



nce	Default	* Apply default at	Minimum
		No	

In such cases the height of the row can be increased.



splay Sequence	Default	* Apply default at	Minimum
		run time	
		No	

5 Appendix

5.1 Kronos Integration Sample Formula and Data File

5.1.1 Formula

```

/*****
FORMULA NAME: Kronos Interface
FORMULA TYPE: Batch Loader

```

Sample Input File Format:

Person Number|Date Earned|Payroll|Hours||Element

```

*****/

```

/* Inputs */

```

INPUTS ARE          OPERATION (text), LINENO (number), LINEREPEATNO (number), POSITION1
(text), POSITION2 (text), POSITION4 (text)

```

```

DEFAULT FOR LINENO IS 1
DEFAULT FOR LINEREPEATNO IS 1
DEFAULT FOR POSITION1 IS 'NO DATA'
DEFAULT FOR POSITION2 IS 'NO DATA'
DEFAULT FOR POSITION4 IS 'NO DATA'

```

/* Calculations */

```

IF OPERATION='FILETYPE' THEN
    OUTPUTVALUE='DELIMITED'
ELSE IF OPERATION='DELIMITER' THEN
    OUTPUTVALUE='|'
ELSE IF OPERATION='READ' THEN
    OUTPUTVALUE='NONE'
ELSE IF OPERATION='MAP' THEN
    (
        /*Batch Related Outputs*/
        TASK='Element Entry'
        TASKACTION='Quick Create - PM US Sun Power - PM YS Overtime'
        LINESEQUENCE=LINENO
        IF LINEREPEATNO < 2 THEN
            LINEREPEAT='Y'
        ELSE
            LINEREPEAT='N'

```

/*Task Action Related Outputs */

```

Effective_Start_Date=POSITION2
Assignment_Number='E'||POSITION1
Units=POSITION4
    )
ELSE
    OUTPUTVALUE='NONE'

```

/* Returns */

```

IF OPERATION='MAP' THEN
    RETURN
TASK,TASKACTION,LINESEQUENCE,LINEREPEAT,Effective_Start_Date,Assignment_Number,Units
ELSE
    RETURN OUTPUTVALUE

```

/* End Formula Text */

5.1.2 Data File

```

1011 | 2014-01-01 | Monthly Payroll | 8 | OVT
1012 | 2014-01-01 | Monthly Payroll | 9 | TIM
10136 | 2014-01-01 | Monthly Payroll | 9 | TIM
"

```



5.2 Ceridian Integration Sample Formula and Data File

5.2.1 Formula

```

/*****
*****
FORMULA NAME:   Time Card Interface
FORMULA TYPE:  Batch Loader
Sample Input File Format:
Element Code,Assignment Number,End Date,Start Date,Hours
Worked,Department,Company Code
*****/

```

/* Inputs */

```

INPUTS ARE OPERATION (text),LINENO (number),POSITION1 (text),POSITION2
(text),POSITION3 (text),POSITION4 (text),POSITION5 (text),POSITION6
(text),POSITION7 (text)

```

```

DEFAULT FOR LINENO IS 1
DEFAULT FOR LINEREPEATNO IS 1
DEFAULT FOR POSITION1 IS 'NO DATA'
DEFAULT FOR POSITION2 IS 'NO DATA'
DEFAULT FOR POSITION3 IS 'NO DATA'
DEFAULT FOR POSITION4 IS 'NO DATA'
DEFAULT FOR POSITION5 IS 'NO DATA'
DEFAULT FOR POSITION6 IS 'NO DATA'
DEFAULT FOR POSITION7 IS 'NO DATA'

```

/* Calculations */

```

IF OPERATION='FILETYPE' THEN
    OUTPUTVALUE='DELIMITED'
ELSE IF OPERATION='DELIMITER' THEN
    OUTPUTVALUE=', '
ELSE IF OPERATION='READ' THEN
    OUTPUTVALUE='NONE'
ELSE IF OPERATION='MAP' THEN
    (
        IF POSITION1='1' THEN
            (
                /*Batch Related Outputs*/
                TASK='Element Entry'
                TASKACTION='Quick Create - PM US Sun Power - PM YS Overtime'
                LINESEQUENCE=LINENO

                /*Task Action Related Outputs */
                Effective_Start_Date=POSITION4
                Effective_End_Date=POSITION3
                Assignment_Number=POSITION2
                Units=POSITION5
            )
        ELSE IF POSITION1='5' THEN
            (
                /*Batch Related Outputs*/
                TASK='Element Entry'
                TASKACTION='Quick Create - PM US Sun Power - PM YS Regular Time'
                LINESEQUENCE=LINENO
            )
        )
    )

```

```

    /*Task Action Related Outputs */
    Effective_Start_Date=POSITION4
    Effective_End_Date=POSITION3
    Assignment_Number=POSITION2
    Amount=POSITION5
)
ELSE IF POSITION1='3A' THEN
(
    /*Batch Related Outputs*/
    TASK='Element Entry'
    TASKACTION='Quick Create - PM US Sun Power - PM YS Overtime1'
    LINESEQUENCE=LINENO

    /*Task Action Related Outputs */
    Effective_Start_Date=POSITION4
    Effective_End_Date=POSITION3
    Assignment_Number=POSITION2
    Hours_Worked=POSITION5
)
)
ELSE
    OUTPUTVALUE='NONE'

/* Returns */
IF OPERATION='MAP' THEN
    IF POSITION1='1' THEN
        RETURN
    TASK,TASKACTION,LINSEQUENCE,Effective_Start_Date,Effective_End_Date,Assignment_Number,Units
    ELSE IF POSITION1='5' THEN
        RETURN
    TASK,TASKACTION,LINSEQUENCE,Effective_Start_Date,Effective_End_Date,Assignment_Number,Amount
    ELSE IF POSITION1='5' THEN
        RETURN
    TASK,TASKACTION,LINSEQUENCE,Effective_Start_Date,Effective_End_Date,Assignment_Number,Hours_Worked
ELSE
    RETURN OUTPUTVALUE

/* End Formula Text */

```

5.2.2 Data File"

```

1,E100,09/14/2013,09/14/2013,002.50,00344,001
5,E100,09/14/2013,09/14/2013,003.00,00344,001
1,E101,09/14/2013,09/09/2013,008.50,00054,001

```

5.3 Object Supported – Attribute Level Information

Task Name	Action Name	Name	Description	Mandatory
Balance Group	Add a Defined Balance	Attribute Definition	This must be the base attribute definition name.	Yes
Balance Group	Add a Defined Balance	Balance Dimension	This must be the base balance dimension name.	Yes
Balance Group	Add a Defined Balance	Balance Type	This must be the base balance definition name.	Yes
Balance Group	Remove a Defined Balance	Attribute Definition	This must be the base attribute definition name.	Yes
Balance Group	Remove a Defined Balance	Balance Dimension	This must be the base balance dimension name.	Yes
Balance Group	Remove a Defined Balance	Balance Type	This must be the base balance definition name.	Yes
Bank	Create Bank	Bank Name	Name of bank.	Yes
Bank	Create Bank	Bank Number	Bank number of the given bank.	No
Bank	Create Bank		NOTE: Both the name and the number must be unique for the country of the given legislative data group of the batch.	
Bank Branch	Create Bank Branch	Bank Name	Name of bank.	Yes
Bank Branch	Create Bank Branch	Bank Branch Name	Name of the bank branch.	Yes
Bank Branch	Create Bank Branch	Bank Branch Number	This is known as Sort Code in UK or Routing/Transit Number in US.	Yes
Bank Branch	Create Bank Branch	BIC/Swift Code	Bank identifier code or SWIFT code that identifies bank and branch information for payments between two financial institutions.	No
Bank Branch	Create Bank Branch		NOTE: Both the name and the number must be unique for the given bank.	
Element	Create Input Value	Effective As Of Date	Date in the format of YYYY-MM-DD	Yes

Element	Create Input Value	Element	Name of the element	Yes
Element	Create Input Value	Input Value	Name of the input value	Yes
Element	Create Input Value	Unit Of Measure	Values from the Lookup Type UNITS. E.g. Money	Yes
Element	Create Input Value	Required	This takes a value of either Yes or No.	Yes
Element	Create Input Value	Display Sequence	Display sequence of the input value. E.g. 1 or 2 or 3 etc.	Yes
Element	Create Input Value	Default	Value in internal format. E.g. if is date then it will be YYYY-MM-DD. Or if it is number then 12.1 without any trailing spaces.	No
Element	Create Input Value	Apply default at run time	This takes a value of either Yes or No.	Yes
Element	Create Input Value	Minimum	Value in internal format. E.g. if is date then it will be YYYY-MM-DD. Or if it is number then 12.1 without any trailing spaces.	No
Element	Create Input Value	Maximum	Value in internal format. E.g. if is date then it will be YYYY-MM-DD. Or if it is number then 12.1 without any trailing spaces.	No
Element	Create Input Value	Warning Or Error	Values from the Lookup Type PAY_WARNING_ERROR. E.g. Error	No
Element	Create Input Value	Lookup Type	Name of the lookup type.	No
Element	Create Input Value	Validation Formula	Name of the formula.	No
Element	Create Input Value	Validation Source	ADFBc View object.	No
Element	Create Input Value	Create a Database Item	This takes a value of either Yes or No.	Yes
Element	Create Input Value	Reference	Balance Reference name (a.k.a. Balance Context).	No
Element	Create Input Value	Allow User Entry	This takes a value of either Yes or No.	Yes
Element	Create Input Value	Displayed	This takes a value of either Yes or No.	Yes

Element	Create Input Value	Special Purpose	Meaning from Lookup Type PAY_RESERVED_INPUT_VALUE. E.g. Primary output value	No
Element	Create Input Value	Override Message	Message name, such as PAY_6306_INPUT_VALUE_FORM AT.	No
Element	Delete Element	Effective As Of Date	Date in the format of YYYY-MM-DD	No
Element	Delete Element	Element	Name of the element.	Yes
Element	Delete Input Value	Effective As Of Date	Date in the format of YYYY-MM-DD	No
Element	Delete Input Value	Element	Name of the element.	Yes
Element	Delete Input Value	Input Value	Name of the input value	Yes
Element	Quick Create	Name	Name of element.	Yes
Element	Quick Create	Reporting Name	Name for an element that is displayed on reports and pay advices instead of the actual name.	Yes
Element	Quick Create	Description	Description of the given element.	No
Element	Quick Create	Effective Date	Date in the format of YYYY-MM-DD	Yes
Element	Quick Create	Rule1..80	Rule used by the element template to create elements. Text attributes expect the values in the display format. e.g. "Yes" rather than "Y". Likewise if refers to another object, like Time Definition, then the display name can be entered. E.g. Last Standard Process Date.	No
Element	Update Element	Effective As Of Date	Date in the format of YYYY-MM-DD	Yes
Element	Update Element	Element	Name of the element.	Yes
Element	Update Element	Earliest Entry Date	Name of the time definition. E.g. First Standard Earning Date.	No
Element	Update Element	Latest Entry Date	Name of the time definition. E.g. Last Standard Earning Date.	No
Element	Update Element	Allow multiple entries	This takes a value of either Yes or No.	No

		in same period		
Element	Update Element	Additio nal entry	This takes a value of either Yes or No.	No
Element	Update Element	Closed for entry	This takes a value of either Yes or No.	No
Element	Update Element	Defaulti ng Formula	Name of the formula.	No
Element	Update Element	Calculat ion Formula	Name of the formula.	No
Element	Update Element	Validati on Formula	Name of the formula.	No
Element	Update Element	Validati on Overrid e Messag e	Message name, such as PAY_6306_INPUT_VALUE_FORM AT.	No
Element	Update Input Value	Effectiv e As Of Date	Date in the format of YYYY-MM-DD	Yes
Element	Update Input Value	Element	Name of the element.	Yes
Element	Update Input Value	Input Value	Name of the input value	Yes
Element	Update Input Value	Unit Of Measur e	Values from the Lookup Type UNITS. E.g. Money	No
Element	Update Input Value	Require d	This takes a value of either Yes or No.	No
Element	Update Input Value	Display Sequenc e	Display sequence of the input value. E.g. 1 or 2 or 3 etc.	No
Element	Update Input Value	Default	Value in internal format. E.g. if is date then it will be YYYY-MM-DD. Or if it is number then 12.1 without any trailing spaces.	No
Element	Update Input Value	Apply default at run time	This takes a value of either Yes or No.	No
Element	Update Input Value	Minimu m	Value in internal format. E.g. if is date then it will be YYYY-MM-DD. Or if it is number then 12.1 without	No

			any trailing spaces.	
Element	Update Input Value	Maximum	Value in internal format. E.g. if is date then it will be YYYY-MM-DD. Or if it is number then 12.1 without any trailing spaces.	No
Element	Update Input Value	Warning Or Error	Values from the Lookup Type PAY_WARNING_ERROR. E.g. Error	No
Element	Update Input Value	Lookup Type	Name of the lookup type.	No
Element	Update Input Value	Validation Formula	Name of the formula.	No
Element	Update Input Value	Validation Source	ADFBc View object.	No
Element	Update Input Value	Create a Database Item	This takes a value of either Yes or No.	No
Element	Update Input Value	Reference	Balance Reference name (a.k.a. Balance Context).	No
Element	Update Input Value	Allow User Entry	This takes a value of either Yes or No.	No
Element	Update Input Value	Displayed	This takes a value of either Yes or No.	No
Element	Update Input Value	Override Message	Message name, such as PAY_6306_INPUT_VALUE_FORM AT.	No
Element Entry	Quick Create	Reason	Lookup code from the lookup type PAY_ELE_ENTRY_REASON.	No
Element Entry	Quick Create	Sub priority	Numerical value.	No
Element Entry	Quick Create	Effective Start Date	Date in the format of YYYY-MM-DD	Yes
Element Entry	Quick Create	Effective End Date	Date in the format of YYYY-MM-DD	No
Element Entry	Quick Create	Assignment Number	Number that identifies a person's assignment, such as E100.	Yes
Element Entry	Quick Create	Input Value1..50	Entry values for the given input value of the element. Maximum of 50 supported via this loader. Values must be in internal format. E.g. DATE is in YYYY-MM-DD format,	No

			Monetary/Numeric in numerical value with dot as the decimal, etc.	
External Bank Account	Create External Bank Account	Bank Name	This must be an existing Bank.	Yes
External Bank Account	Create External Bank Account	Bank Branch Name	This must be an existing Bank Branch.	Yes
External Bank Account	Create External Bank Account	Account Number	This is the Account number for the given Bank Account.	Yes
External Bank Account	Create External Bank Account	IBAN	This is the IBAN for the given account.	No
External Bank Account	Create External Bank Account	Account Type	This will be based on IBY_BANKACCT_TYPES lookup type; CHECKING - Checking Account, MONEYMKT - Money Market Account, SAVINGS - Savings Account	No
External Bank Account	Create External Bank Account	Secondary Account Reference	This can be used differently based on which legislation you are using. For example, this is known as Building Society Number in UK.	No
External Bank Account	Create External Bank Account	Account Name	Name of the bank account.	No
External Bank Account	Create External Bank Account	Person Number	This must be an existing Person, who also should have a corresponding TCA party.	Yes
Fast Formula	Create	Legislative Data Group	Name of the Legislative Data Group	No
Fast Formula	Create	Effective As Of Date	Date in the format of YYYY-MM-DD	Yes
Fast Formula	Create	Formula Type	Name of the Formula for Type.	Yes
Fast Formula	Create	Formula	Name of the formula.	Yes
Fast Formula	Create	Description	Description of the given formula.	No
Fast Formula	Create	Formula Text	Formula text itself.	Yes
Fast Formula	Delete	Legislative Data Group	Name of the Legislative Data Group	No

Fast Formula	Delete	Effective As Of Date	Date in the format of YYYY-MM-DD	No
Fast Formula	Delete	Formula	Name of the formula.	Yes
Fast Formula	Update	Legislative Data Group	Name of the Legislative Data Group	No
Fast Formula	Update	Effective As Of Date	Date in the format of YYYY-MM-DD	Yes
Fast Formula	Update	Formula	Name of the formula.	Yes
Fast Formula	Update	Description	Description of the given formula.	No
Fast Formula	Update	Formula Text	Formula text itself.	No
Fast Formula Global	Create	Effective Start Date	Date in the format of YYYY-MM-DD	Yes
Fast Formula Global	Create	Effective End Date	Date in the format of YYYY-MM-DD	Yes
Fast Formula Global	Create	Value	Value in internal format. E.g. if is date then it will be YYYY-MM-DD. Or if it is number then 12.1 without any trailing spaces.	Yes
Fast Formula Global	Create	Data Type	Lookup code from the lookup type FF_DATA_TYPE.	Yes
Fast Formula Global	Create	Name	Name of the formula global.	Yes
Fast Formula Global	Create	Legislative Data Group	This is the name of the Legislative Data Group for the given record.	No
Object Group	Create	Name	Name of the object group.	Yes
Object Group	Create	Object Group Type	Meaning from Lookup Type PAY_OBJECT_GROUP_TYPE. E.g. Payroll Relationship Group	Yes
Object Group	Create	Description	Description of the object group.	No
Object Group	Create	Legislative Data Group	This is the name of the Legislative Data Group for the given record.	Yes
Object Group	Create	Start Date	Date in the format of YYYY-MM-DD	No
Object Group	Create	End Date	Date in the format of YYYY-MM-DD	No

Object Group	Create	Value 1 ~ 10	Parameter values for the corresponding parameter in the order that appears in the Object Group UI.	No
Object Group	Create	Rule Level 1 ~ 5	Object group level.	No
Object Group	Create	Rule 1 ~ 5	Formula name from the given object level formula.	No
Object Group	Delete	Group	Name of object group being deleted.	Yes
Payment Method	Create Personal Payment Method	Effective Start Date	Date in the format of YYYY-MM-DD	Yes
Payment Method	Create Personal Payment Method	Name	Name of the personal payment method.	Yes
Payment Method	Create Personal Payment Method	Payroll Relationship Number	Existing payroll relationship number of the person whose payment method is being created.	Yes
Payment Method	Create Personal Payment Method	Amount	If M is selected as the payment amount type, the amount value.	No
Payment Method	Create Personal Payment Method	Priority	When there are multiple payment methods for a person, identifies which payment method should be processed first.	Yes
Payment Method	Create Personal Payment Method	Organization Payment Method	Name of the organization payment method.	Yes
Payment Method	Create Personal Payment Method	Percentage	If P is selected as the payment amount type, the percentage value.	No
Payment Method	Create Personal Payment Method	Payment Amount Type	This can be either M for Amount or P for Percentage.	Yes
Payment Method	Create Personal Payment Method	Bank Account Number	This must be an existing Bank Account.	No
Payroll Relationship	Add Payroll	Assignment Number	Assignment number for the given person.	Yes
Payroll Relationship	Add Payroll	Payroll	Name of the Payroll as seen in user interface.	Yes
Payroll Relationship	Add Payroll	Legislative Data Group	Name of the Legislative Data Group	Yes

Payroll Relationship	Add Payroll	Effective As Of Date	Date in the format of YYYY-MM-DD	Yes
Payroll Relationship	End Payroll	Assignment Number	Assignment number for the given person.	Yes
Payroll Relationship	End Payroll	Payroll	Name of the Payroll as seen in user interface.	Yes
Payroll Relationship	End Payroll	Legislative Data Group	Name of the Legislative Data Group	Yes
Payroll Relationship	End Payroll	Effective As Of Date	Date in the format of YYYY-MM-DD.	Yes
Payroll Definition	Create Payroll Definition	Consolidation Group	The default consolidation group, used to group payroll runs for this payroll definition within the same time period for reporting, costing, and post-run processing.	Yes
Payroll Definition	Create Payroll Definition	Period Type	Frequency of the payroll cycle for the payroll definition, such as Annually, Bimonthly, Biweekly, Monthly, Calendar, Monthly, Lunar, Quarterly, Semiannually, Semimonthly, Weekly.	Yes
Payroll Definition	Create Payroll Definition	Effective As-of Date	Date to be stamped on Effective Start Date. Date in format of YYYY-MM-DD.	Yes
Payroll Definition	Create Payroll Definition	First Period End Date	Last date in the first payroll period during which the payroll is available for processing. Date in format of YYYY-MM-DD.	Yes
Payroll Definition	Create Payroll Definition	Number Of Years	Number of years to use when generating the payroll schedule.	Yes
Payroll Definition	Create Payroll Definition	Payroll Run Days	Number of days that payroll run falls before or after the base date.	Yes
Payroll Definition	Create Payroll Definition	Date Earned Days	Number of days that date earned falls before or after the base date.	Yes
Payroll Definition	Create Payroll Definition	Date Paid Days	Number of days that date paid falls before or after the base date.	Yes
Payroll Definition	Create Payroll Definition	Payslip Availability Days	Number of days that payslip availability falls before or after the base date.	Yes

Payroll Definition	Create Payroll Definition	Cutoff Days	Number of days that cutoff date falls before or after the base date.	Yes
Payroll Definition	Create Payroll Definition	Payslip Availability Before or After Base Date	Indicates whether payslip availability should fall on, after, or before the base date for the payroll processing event.	Yes
Payroll Definition	Create Payroll Definition	Date Earned Before or After Base Date	Indicates whether date earned should fall on, after, or before the base date for the payroll processing event. The exact value must be either O or A or B.	Yes
Payroll Definition	Create Payroll Definition	Payroll Run Before or After Base Date	Indicates whether payroll run should fall on, after, or before the base date for the payroll processing event. The exact value must be either O or A or B.	Yes
Payroll Definition	Create Payroll Definition	Cut off Before or After Base Date	Indicates whether the cutoff date should fall on, after, or before the base date for the payroll processing event. The exact value must be either O or A or B.	Yes
Payroll Definition	Create Payroll Definition	Date Paid Before or After Base Date	Indicates whether date paid should fall on, after, or before the base date for the payroll processing event. The exact value must be either O or A or B.	Yes
Payroll Definition	Create Payroll Definition	Date Paid Day Type	The type of days used to calculate payroll processing event dates can be calendar days (C) or work days (W).	Yes
Payroll Definition	Create Payroll Definition	Payslip Availability Day Type	The type of days used to calculate payroll processing event dates can be calendar days (C) or work days (W).	Yes
Payroll Definition	Create Payroll Definition	Cut off Day Type	The type of days used to calculate payroll processing event dates can be calendar days (C) or work days (W).	Yes
Payroll Definition	Create Payroll Definition	Payroll Run Date Day Type	The type of days used to calculate payroll processing event dates can be calendar days (C) or work days (W).	Yes

Payroll Definition	Create Payroll Definition	Date Earned Day Type	The type of days used to calculate payroll processing event dates can be calendar days (C) or work days (W).	Yes
Payroll Definition	Create Payroll Definition	Payslip Availability Base Date	Date that is used as the basis for scheduling the payslip availability date. This can be either Period End Date (E) or Period Start Date (S).	Yes
Payroll Definition	Create Payroll Definition	Cut off Base Date	Date that is used as the basis for scheduling the cutoff date, which is the last date for entering payroll information. This can be either Period End Date (E) or Period Start Date (S).	Yes
Payroll Definition	Create Payroll Definition	Payroll Run Date Base Date	Date that is used as the basis for scheduling the payroll run date. This can be either Period End Date (E) or Period Start Date (S).	Yes
Payroll Definition	Create Payroll Definition	Date Earned Base Date	Date that is used as the basis for scheduling the date earned, which is the date on which element entries are added to the payroll run. This can be either Period End Date (E) or Period Start Date (S).	Yes
Payroll Definition	Create Payroll Definition	Date Paid Base Date	Date that is used as the basis for scheduling the date paid date. This can be either Period End Date (E) or Period Start Date (S).	Yes
Payroll Definition	Create Payroll Definition	Legislative Data Group	Name of a grouping of payroll data within a legislation.	Yes
Payroll Definition	Create Payroll Definition	Default Payment Method	Payment method used for people who have not specified a personal payment method.	No
Payroll Definition	Create Payroll Definition	Reporting Name	Name for the payroll definition that is displayed on reports.	No
Payroll Definition	Create Payroll Definition	Ledger	General ledger used to cost entries for the payroll run results.	No
Payroll Definition	Create Payroll Definition	Allow Negative Payments	Indicates if the prepayments process can include negative payments. This can be either Yes and No.	Yes
Payroll Definition	Update Payroll Definition	Name	Name of the payroll definition that groups workers who are processed together with the same processing	Yes

			frequency, such as weekly, biweekly, monthly, or semi-monthly.	
Payroll Definition	Update Payroll Definition	Effective Start Date	Effective Start Date of the record that needs correction to be done. Date in the format of YYYY-MM-DD	Yes
Payroll Definition	Update Payroll Definition	Effective End Date	Effective End Date of the record that needs the correction to be done. Date in the format of YYYY-MM-DD	Yes
Payroll Definition	Update Payroll Definition	Legislative Data Group	Name of a grouping of payroll data within a legislation.	Yes
Payroll Definition	Update Payroll Definition	Default Payment Method	Payment method used for people who have not specified a personal payment method.	No
Payroll Definition	Update Payroll Definition	Ledger	General ledger used to cost entries for the payroll run results.	No
Payroll Definition	Update Payroll Definition	Reporting Name	Name for the payroll definition that is displayed on reports.	No
Payroll Definition	Update Payroll Definition	Number Of Years	Number of years to use when generating the payroll schedule.	No
Payroll Definition	Update Payroll Definition	Allow Negative Payments	Indicates if the prepayments process can include negative payments.	No
Payroll Definition	Delete Payroll Definition	Legislative Data Group	Name of a grouping of payroll data within a legislation.	Yes
Payroll Definition	Delete Payroll Definition	Effective Start Date	Effective Start Date of the record that needs to be deleted. Date in the format of YYYY-MM-DD	Yes
Payroll Definition	Delete Payroll Definition	Effective End Date	Effective End Date of the record that needs to be deleted. Date in the format of YYYY-MM-DD	Yes
Payroll Definition	Delete Payroll Definition	Name	Name of the payroll definition that groups workers who are processed together with the same processing frequency, such as weekly, biweekly, monthly, or semi-monthly.	Yes
Cost Allocation	Create Cost Allocation	Effective Start Date	Date in the format of YYYY-MM-DD	Yes

Cost Allocation	Create Cost Allocation	Effective End Date	Date in the format of YYYY-MM-DD	Yes
Cost Allocation	Create Cost Allocation	Source Type	Please refer to Supported Objects section for more information.	Yes
Cost Allocation	Create Cost Allocation	Source	Please refer to Supported Objects section for more information.	Yes
Cost Allocation	Create Cost Allocation	Creator	Please refer to Supported Objects section for more information.	No
Cost Allocation	Create Cost Allocation	Cost Type	This must be COST or BAL. COST for Cost side costing and BAL for Balance side costing. Balance Type costing is only to be used with element eligibility level.	No
Cost Allocation	Create Cost Allocation	Proportion	Proportion is a number between 0 and 1 and its not a percentage.	No
Cost Allocation	Create Cost Allocation	SEGMENT1..30	Values in the internal format, such as if it is based on Lookup Type then it will be the lookup code.	No
Cost Allocation	Delete Cost Allocation	Effective Start Date	Date in the format of YYYY-MM-DD	Yes
Cost Allocation	Delete Cost Allocation	Effective End Date	Date in the format of YYYY-MM-DD.	Yes
Cost Allocation	Delete Cost Allocation	Source Type	Please refer to Supported Objects section for more information.	Yes
Cost Allocation	Delete Cost Allocation	Source	Please refer to Supported Objects section for more information.	Yes
Cost Allocation	Delete Cost Allocation	Creator	Please refer to Supported Objects section for more information.	No
Cost Allocation	Delete Cost Allocation	Cost Type	This must be COST or BAL. COST for Cost side costing and BAL for Balance side costing. Balance Type costing is only to be used with element eligibility level.	No
Cost Allocation	Delete Cost Allocation	Proportion	Proportion is a number between 0 and 1 and it's not a percentage.	No
Cost Allocation	Delete Cost Allocation	SEGMENT1..30	Values in the internal format, such as if it is based on Lookup Type then it will be the lookup code.	No
HCM User-Defined Table	Create User-Defined Column	Legislative Data Group	Name of the grouping of payroll data within a legislation.	Yes
HCM User-Defined Table	Create User-Defined Column	User-Defined Table Name	Name of the user-defined table.	Yes

HCM User-Defined Table	Create User-Defined Column	Data Type	It must be either a number (N) or date (D) or text (T). For range type, only number is supported. Match can be number, date (date in YYYY-MM-DD format), or text.	No
HCM User-Defined Table	Create User-Defined Column	Formula Effective Date	Date in YYYY-MM-DD format.	No
HCM User-Defined Table	Create User-Defined Column	Formula Name	Name of the compiled User Table Validation formula.	No
HCM User-Defined Table	Create User-Defined Column	User-Defined Column Name	Name of the user-defined column.	Yes
HCM User-Defined Table	Create User-Defined Column Instance	Legislative Data Group	Name of the grouping of payroll data within a legislation.	Yes
HCM User-Defined Table	Create User-Defined Column Instance	User-Defined Table Name	Name of the user-defined table.	Yes
HCM User-Defined Table	Create User-Defined Column Instance	Row Name	Name of the user-defined row.	Yes
HCM User-Defined Table	Create User-Defined Column Instance	User-Defined Column Name	Name of the user-defined column.	Yes
HCM User-Defined Table	Create User-Defined Column Instance	Effective Start Date	Date in the format of YYYY-MM-DD.	No
HCM User-Defined Table	Create User-Defined Column Instance	Effective End Date	Date in the format of YYYY-MM-DD.	No
HCM User-Defined Table	Create User-Defined Column Instance	Value	User-defined column instance value.	No
HCM User-Defined Table	Create User-Defined Row	Match Value Or Low Range Value	Either the value to match, if for Match type, or the low range value, for Range type.	No
HCM User-Defined Table	Create User-Defined Row	Legislative Data Group	Name of the grouping of payroll data within a legislation.	Yes
HCM User-Defined Table	Create User-Defined Row	User-Defined Table	Name of the user-defined table.	Yes

		Name		
HCM User-Defined Table	Create User-Defined Row	High Range	Maximum value in range.	No
HCM User-Defined Table	Create User-Defined Row	Sequence	This must be an integer value for the sequence.	No
HCM User-Defined Table	Create User-Defined Row	Row Name	Name of the user-defined row.	Yes
HCM User-Defined Table	Create User-Defined Row	Effective Start Date	Date in the format of YYYY-MM-DD.	No
HCM User-Defined Table	Create User-Defined Row	Effective End Date	Date in the format of YYYY-MM-DD.	No
HCM User-Defined Table	Create User-Defined Table	Legislative Data Group	Name of the grouping of payroll data within a legislation.	Yes
HCM User-Defined Table	Create User-Defined Table	User-Defined Row Title	Name to use as a title in the user-defined table for a group of rows.	No
HCM User-Defined Table	Create User-Defined Table	User-Defined Table Name	Name of the user-defined table.	Yes
HCM User-Defined Table	Create User-Defined Table	Range Or Match	Indicate whether user-defined table stores exact match data (M) or data within a specified range (R).	Yes
HCM User-Defined Table	Create User-Defined Table	User Key Units	Keys that validate which units can be entered for a table type. For example, for Range table types, only Number is applicable.	Yes
HCM User-Defined Table	Update User-Defined Column	Legislative Data Group	Name of the grouping of payroll data within a legislation.	Yes
HCM User-Defined Table	Update User-Defined Column	User-Defined Table Name	Name of the user-defined table.	Yes
HCM User-Defined Table	Update User-Defined Column	User-Defined Column Name	Name of the user-defined column.	Yes
HCM User-Defined Table	Update User-Defined Column	Formula Effective Date	Date as of when the compiled formula is effective and available for use. Date must be in the format YYYY-MM-DD.	No

HCM User-Defined Table	Update User-Defined Column	Formula Name	Name of the compiled User Table Validation formula.	No
HCM User-Defined Table	Update User-Defined Column Instance	Legislative Data Group	Name of the grouping of payroll data within a legislation.	Yes
HCM User-Defined Table	Update User-Defined Column Instance	User-Defined Table Name	Name of the user-defined table.	Yes
HCM User-Defined Table	Update User-Defined Column Instance	User-Defined Column Name	Name of the user-defined column.	Yes
HCM User-Defined Table	Update User-Defined Column Instance	Row Name	Name of the user-defined row.	Yes
HCM User-Defined Table	Update User-Defined Column Instance	Effective Start Date	Date in the format of YYYY-MM-DD.	Yes
HCM User-Defined Table	Update User-Defined Column Instance	Effective End Date	Date in the format of YYYY-MM-DD.	Yes
HCM User-Defined Table	Update User-Defined Column Instance	Value	User-defined column instance value.	No
HCM User-Defined Table	Update User-Defined Row	Legislative Data Group	Name of the grouping of payroll data within a legislation.	Yes
HCM User-Defined Table	Update User-Defined Row	User-Defined Table Name	Name of the user-defined table.	Yes
HCM User-Defined Table	Update User-Defined Row	Row Name	Name of the user-defined row.	Yes
HCM User-Defined Table	Update User-Defined Row	Effective Start Date	Date in the format of YYYY-MM-DD.	Yes
HCM User-Defined Table	Update User-Defined Row	Effective End Date	Date in the format of YYYY-MM-DD.	Yes
HCM User-Defined Table	Update User-Defined Row	Match Value Or Low Range Value	Either the value to match, if for Match type, or the low range value, for Range type.	No
HCM User-Defined Table	Update User-Defined Row	High Range	Maximum value in range.	No

HCM User-Defined Table	Update User-Defined Row	Sequence	This must be an integer value for the sequence.	No
HCM User-Defined Table	Update User-Defined Table	Legislative Data Group	Name of the grouping of payroll data within a legislation.	Yes
HCM User-Defined Table	Update User-Defined Table	User-Defined Table Name	Name of the user-defined table.	Yes
HCM User-Defined Table	Update User-Defined Table	User-Defined Row Title	Name to use as a title in the user-defined table for a group of rows.	No
Element Entry	Create Element Entry	Effective Start Date	Start date of the entry in YYYY-MM-DD format.	Yes
Element Entry	Create Element Entry	Effective End Date	End date of the entry, where applicable, in YYYY-MM-DD format.	No
Element Entry	Create Element Entry	Element	Name of the Element.	Yes
Element Entry	Create Element Entry	Person Number	Number that identifies a person's assignment or employment term or payroll relationship.	Yes
Element Entry	Create Element Entry	Assignment Number	Number that identifies a person's assignment, such as E100. Only needed if there were more than one assignment for the given person.	No
Element Entry	Create Element Entry	Term Number	Number that identifies a person's employment term, such as ET100. Only needed if there were more than one employment term for the given person.	No
Element Entry	Create Element Entry	Relationship Number	Number that identifies a person's payroll relationship, such as 100. Only needed if there were more than one payroll relationship for the given person.	No
Element Entry	Create Element Entry	Payroll	Name of the Payroll if the entry needs to be created at employment term level. Only needed if there were more than one payroll for the given person.	No
Element Entry	Create Element Entry	Reason	Lookup code from the lookup type PAY_ELE_ENTRY_REASON.	No
Element Entry	Create Element Entry	Subpriority	Numerical value.	No

Element Entry	Create Element Entry	ENTRY VALUE 1..50	Entry values for the given input value of the element. Maximum of 50 supported via this loader. Values must be in internal format. E.g. DATE is in YYYY-MM-DD format, Monetary/Numeric in numerical value with dot as the decimal, etc. The order of the entry value matches the order of the input value based on the display sequence.	No
Element Entry	Create Element Entry	SEGMENT 1..30	Value entered should be the code rather than the meaning of the corresponding Value Set.	No
Element Entry	Update Element Entry	Effective Start Date	Value in YYYY-MM-DD format.	Yes
Element Entry	Update Element Entry	Element	Name of the Element.	Yes
Element Entry	Update Element Entry	Entry Sequence	Sequence of the entry, especially if there is more than one entry exists for the given element.	No
Element Entry	Update Element Entry	Person Number	Number that identifies a person's assignment or employment term or payroll relationship.	Yes
Element Entry	Update Element Entry	Assignment Number	Number that identifies a person's assignment, such as E100. Only needed if there were more than one assignment for the given person.	No
Element Entry	Update Element Entry	Term Number	Number that identifies a person's employment term, such as ET100. Only needed if there were more than one employment term for the given person.	No
Element Entry	Update Element Entry	Relationship Number	Number that identifies a person's payroll relationship, such as 100. Only needed if there were more than one payroll relationship for the given person.	No
Element Entry	Update Element Entry	Payroll	Name of the Payroll if the entry needs to be created at employment term level. Only needed if there were more than one payroll for the given person.	No
Element Entry	Update Element Entry	Reason	Lookup code from the lookup type PAY_ELE_ENTRY_REASON.	No
Element Entry	Update Element Entry	Subpriority	Numerical value.	No
Element Entry	Update Element Entry	ENTRY VALUE	Entry values for the given input value of the element. Maximum of	No

		1..50	50 supported via this loader. Values must be in internal format. E.g. DATE is in YYYY-MM-DD format, Monetary/Numeric in numerical value with dot as the decimal, etc. The order of the entry value matches the order of the input value based on the display sequence.	
Element Entry	Update Element Entry	SEGMENT1..30	Value entered should be the code rather than the meaning of the corresponding Value Set.	No
Element Entry	Delete Element Entry	Effective Start Date	Value in YYYY-MM-DD format.	No
Element Entry	Delete Element Entry	Element	Name of the Element.	Yes
Element Entry	Delete Element Entry	Entry Sequence	Sequence of the entry, especially if there is more than one entry exists for the given element.	No
Element Entry	Delete Element Entry	Person Number	Number that identifies a person's assignment or employment term or payroll relationship.	Yes
Element Entry	Delete Element Entry	Assignment Number	Number that identifies a person's assignment, such as E100. Only needed if there were more than one assignment for the given person.	No
Element Entry	Delete Element Entry	Term Number	Number that identifies a person's employment term, such as ET100. Only needed if there were more than one employment term for the given person.	No
Element Entry	Delete Element Entry	Relationship Number	Number that identifies a person's payroll relationship, such as 100. Only needed if there were more than one payroll relationship for the given person.	No
Element Entry	Delete Element Entry	Payroll	Name of the Payroll if the entry needs to be created at employment term level. Only needed if there were more than one payroll for the given person.	No