Uda Enhancement

Prudential

Prudential

Technical Specification Document

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# Overview

# Dataflow Design Architecture

Diagram for dataflow design as picture below:

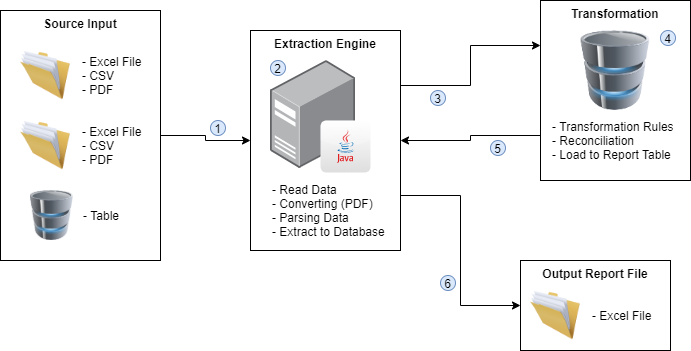


Figure . Dataflow Architecture

1. Dataflow for UDA includes reading data from Excel File, PDF, CSV from specific folder that has pattern ***and from table source (TBD).***
2. As for Extraction engine, JAVA runtime will be used as engine to extract, convert and parse data.
3. Data that has been parse will be load into database for reconcile and transformation.
4. Transformation and reconciliation rules will be run on database engine based on reconciliation rules that has been built on Database function.
5. Result data output from reconcile and transformation rules will be extracted with extraction engine.
6. Extraction engine will send extracted report to designated output report file as ***Excel File (TBD).***

# Input Data Specification Extraction

## Vestanium Journal

### Source data path

* \ACCOUNTING\MONTHLY CLOSING\<YEAR\_YYYY>\<MONTH\_MM>\INVESTMENT\Link Conven\REF
* Parameters:
  + YEAR\_YYYY : Dynamic year with format YYYY (e.g : 2020)
  + MONTH\_MM : Dynamic month with format MM (e.g : 05)

### Column Specification

* Column Specification

|  |  |  |
| --- | --- | --- |
| Column Name | Type | Details |
| No | String |  |
| LYT IDTFR | String |  |
| JRN SRC | String |  |
| JRN TYP | String |  |
| JRN REFERENCE | String |  |
| ACCNT PERIOD | String |  |
| TRANS DATE | String |  |
| ACCNT CODE | String |  |
| JRN DESCRIPTION | String |  |
| IDR RND | String |  |
| IDR BASE | Numeric |  |
| USD AMNT | Numeric |  |
| CONV CODE | String |  |
| CONV RATE | String |  |
| T0 | String |  |
| T1 | String |  |
| T2 | String |  |
| T3 | String |  |
| T4 | String |  |
| T5 | String |  |
| T6 | String |  |
| T7 | String |  |
| T8 | String |  |
| T9 | String |  |
| ASSET | String |  |
| VID | String |  |

Figure . Vesta column specification

### Extraction batch time

* Extraction will be every ***MONTH*** on ***(DATE, TIME) (TBD)***

### Source detail

1. Source Type : Excel file (XLS, XLSX)
2. Source name pattern : VESTA REF
3. Sheet name pattern : (NONE)
4. Password file : (NONE)

## Investment Operation (DTF)

### Source data path

* \SHARED\INVESTMENT\EQ TRADES Share\EQ FOR REF\DTF EQ <YEAR\_YYYY>\<MONTH\_MMM> <YEAR\_YYYYY>
* Parameters:
  + YEAR\_YYYY : Dynamic year with format YYYY (e.g : 2020)
  + MONTH\_MMM : Dynamic month with format MMM (e.g : Jun)

### Column Specification

* Column Specification

|  |  |  |
| --- | --- | --- |
| Column Name | Type | Details |
| DTF | String |  |
| pfolio code | String |  |
| cparty code | String |  |
| Broker name | String |  |
| deal type code | String |  |
| tradedate | String |  |
| settle date | String |  |
| full name | String |  |
| instrument code | String |  |
| units | Numeric |  |
| unit price | Numeric |  |
| contrgrcon | Numeric |  |
| broker comm | Numeric |  |
| vat | Numeric |  |
| localfee | Numeric |  |
| withholding tax | Numeric |  |
| sales tax | Numeric |  |
| settle amount | Numeric |  |
| Ccy | String |  |

Figure . DTF column specification

### Extraction batch time

* Extraction will be every ***MONTH*** on ***(DATE, TIME) (TBD)***

### Source detail

1. Source Type : Excel file (XLS, XLSX)
2. Source name pattern : EQ APPROVAL
3. Sheet name pattern : EQ
4. Password file : (NONE)

# Transformation / Reconcile Rules

## Approval Transaction

### Source Data

* Vestanium
* DTF

### Target table

* UDA.RECON\_INVESTMENT\_1

### Transformation Rules

1. *Not Applicable*

### Reconcile Rules

* 1. *Purchase cost amount reconcile rules*

For amount in should be matched on vestanium record with :

* + - 1. Tradedate (dtf) equal with transdaate (vestanium)
      2. Accnt code (vestanium) equal with “1231111010” and deal type “BUY”, Amount contrgncon (dtf) must be equal with amount on idr rnd (vestanium)
      3. Accnt code (vestanium) equal with “1231111010” or “4521110110” and deal type “SELL”, Amount contrgncon (dtf) must be equal with amount on idr rnd (vestanium)
  1. *Commission brokerage amount reconcile rules*

For amount in should be matched on vestanium record with :

* + - 1. Tradedate (dtf) equal with transdaate (vestanium)
      2. Amount broker\_comm (dtf) equal with amount on idr rnd (vestanium) with Accnt code (vestanium) equal with “6545010000”
      3. Amount vat (dtf) equal with amount on idr rnd (vestanium) with Accnt code (vestanium) equal with “6545010000”
      4. Amount localfee (dtf) equal with amount on idr rnd (vestanium) with Accnt code (vestanium) equal with “6545010000”
  1. *Withholding tax amount reconcile rules*

For amount in should be matched on vestanium record with :

* + - 1. Tradedate (dtf) equal with transdaate (vestanium)
      2. Accnt code (vestanium) equal with “6545010000”
      3. Amount withholding\_tax (dtf) equal with amount on idr rnd (vestanium)
  1. *Sales Tax amount reconcile rules*

For amount in should be matched on vestanium record with :

* + - 1. Tradedate (dtf) equal with transdaate (vestanium)
      2. Accnt code (vestanium) equal with “6545010000”
      3. Amount sales tax (dtf) equal with amount on idr rnd (vestanium)
  1. *Settle amount other reconcile rules*

For amount in should be matched on vestanium record with :

* + - 1. Tradedate (dtf) equal with transdaate (vestanium)
      2. Accnt code (vestanium) equal with “3392090080” and deal type “BUY”, Amount settle amount (dtf) must be equal with amount on idr rnd (vestanium)
      3. Accnt code (vestanium) equal with “1349903990” and deal type “SELL”, Amount settle amount (dtf) must be equal with amount on idr rnd (vestanium)

## Settlement Transaction

### Source Data

* Vestanium
* Bank Statement

### Target table

* UDA.RECON\_MUTASI\_1

### Transformation Rules

1. ***RULES 1***
2. ***RULES 2***

### Reconcile Rules

1. ***RULES 1***
2. ***RULES 2***

# Target table and Load data

## Rekon REF for Approval Transaction

### Table structure

### Output Folder

* \ACCOUNTING\MONTHLY CLOSING\<YEAR\_YYYY>\<MONTH\_MM>\INVESTMENT\Link Conven\REF
* Parameters
  + YEAR\_YYYY : Current year with format YYYY (e.g : 2020)
  + MONTH\_MM : Current month with format MM (e.g : 05)

### File Detail

1. Filename : REKON REF <MONTH\_MM><DATE\_DD>.xlsx
   * MONTH\_MM : Current month with format MM (e.g : 05)
   * DATE\_DD : Current date with format DD (e.g : 02)
2. Sheet Name : REKON REF APPROVAL TRANSACTION

### Extraction Batch

* Extraction will be every ***MONTH*** on ***(DATE, TIME) (TBD)***