**SSD KT Understanding Document**

**Project: AFL(Axis Finance Limited)**

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| **Understanding Document** | **Name** | **Date** |
| **Prepared By:** | **Sudhansu Gouda/Dillip Reddy Thumma** | **11/01/21** |
| **Verified By:** |  |  |

**Objective**: Creating UCIC based upon the matches.

The main uses of this application are to generating UCIC and adding all their customers into one UCIC.

For matchcount zero cases we are generating the ucic and we are adding the data into intraday and we are only responding that ucic.

For matchcount greater than zero cases they are manually tagging the ucic in assign\_ucic column.

Suppose we got the two matches but we didn’t get the excepted match in that case user will tell by using assign ucic so ucic can give ucic\_type as new. So in this situation if it is new we are directly creating the new ucic and tagging to the particular request and adding into the intraday base.

In Afl we are having two source systems:

1)Customers

2)Rbi

The Webservice inserts the request information into the below given input tables.

**PSX\_REQUEST\_T**

**PSX\_DG\_BLK\_REQUEST(demographic data)**

**PSX\_ACE\_BLK\_REQUEST(address,contact,email data)**

Then the webservice simultaneously build the activemq messages and sent it to the PSX\_PM\_QUEUE. Then prime 360 engine will consumes the request queue.

**PSX\_WS\_AUDIT** table is used to track the Api request.

**Search Customer**: Search customer request structure having one loan table. Suppose by taking two customer IDs and selecting in the loan table then whatever the information we received we are population in Loan details table.

After that we are having the RBI MATCH RESPONSE. If we got any matches with RBI source systems or any negative matches those are also showing here. If we receive matchcounts=0 then we will receive response as response\_status\_info with particular tagged ucic and ucic\_type. Suppose we got the match count=0 but we received the rbi match count in that situation also we are directly tagging that ucic and based on the response they will verify.

RBI source systems we are having some rbi rules and based on those rules we get the matches and that matches inserted into **PSX\_REPORT\_INPUT** table with record\_type as RBI and same also populating on the response. If the record\_type=input then it is called source data and record\_type=offline it is target data. Webesrvice application listens on response queue and receives the response data from the PSX\_REPORT\_INPUT table.

**Posidex Ucic Allocation:** Posidex is assigning ucic based on the match\_count,scale\_type,ucic\_type.

When client send the request for dedupe ,

If matchcount is zero then posidex will allocate new ucic.

If matchcount is zero and existing base is having same customer with ucic then it will return same ucic as new.

If matchcount is zero but we are having the same customer in the base, in this situation we are dividing the customer into new ucic and updating the same in the customer\_audit table.

**Intraday Process:** In intraday process whenever zero matches came automatically we are doing intraday insertions and we send that jms request to the prime 360 to process.

**Microbatching:**  Every 30 seconds/1 min time it takes for process. Microbatching have particular time to process and it build the objects for online matches.

**Eod Proces**s: In Eod process, whatever the intraday data we are having by end of the day we will take that data by using timestamp we will push that same data to staging tables after that will send the request to the prime 360 engine then engine will process that data and moved that data to the staging tables.

The check whether eod is completed or not, below are the tables.

**PSX\_EOD\_STATUS and PSX\_EVENT\_DETAILS** .

After completion of Eod process we will move that staging data to the staging history tables and intraday data to the intraday history tables.

**Purging Process:** In this process we have to send one message to the engine by using the message as purging then engine automatically deletes the duplicate data from bulk\_trg\_table and same data will move to the audit tables.