

We click PROCESS----> PROCEDURE INSERT\_EXT\_STAGE\_MF\_BRKG\_RTA\_TRANS is called

Pseudo-code:

```
PROCEDURE INSERT_EXT_STAGE_MF_BRKG_RTA_TRANS(File_name, File_id, Output_msg){
```

(defined variables)

```
V_COUNT_EXT NUMBER; //count of rows in external table.  
V_COUNT_STAGE NUMBER; //count of rows in stage table  
v_query_str_new varchar2(8000);  
v_query_str VARCHAR2(1000);  
v_ext_query_str VARCHAR2(4000);  
V_CLAWBACK_FAIL NUMBER;
```

CREATE TABLE EXT\_STAGE\_MF\_BRKG\_RTA\_TRANS for loading CSV data, its an external table created for temporary use  
column defined on the basis of columns of CSV file

files are in MF\_CAMS\_TRAIL\_DIR directory,

read file from directory Oracle loader is used to load file from CSV to External table which reads file line by line and loads into rows of table

V\_CLAWBACK\_FAIL= count num of records in external table where (BRKAGE AMT) >0 AND (CLW\_AMT) < 0

if V\_CLAWBACK\_FAIL<0 {

V\_COUNT\_EXT= count num of rows in external table

UPDATE DBF\_PROCESSING\_LOG table.

SET DPL\_TOTAL\_ROWS=V\_COUNT\_EXT WHERE DPL\_FILE\_ID=File\_id; // updating table with total rows

Insert into STAGE\_MF\_BRKG\_RTA\_TRANS\_CSV stage table from external table

UPDATE STAGE\_MF\_BRKG\_RTA\_TRANS\_CSV

SET SMBRTC\_BRKAGE\_AMT=NVL( SMBRTC\_CLW\_AMT, 0);

WHERE NVL( SMBRTC\_BRKAGE\_AMT,0) = 0 AND NVL( SMBRTC\_CLW\_AMT, 0) < 0 AND SMARTC\_FILE\_ID=File\_id;

V\_COUNT\_STAGE= SELECT COUNT (1) INTO V\_COUNT\_STAGE FROM STAGE\_MF\_BRKG\_RTA\_TRANS\_CSV where  
SMBRTC\_FILE\_ID=File\_id;

UPDATE DBF\_PROCESSING\_LOG

SET DPL\_UPLOADED\_ROWS=V\_COUNT\_STAGE,

DPL\_STATUS\_CD=1

WHERE DPL\_FILE\_ID=File\_id ;

INSERT INTO STAGE\_MF\_BRKG\_RTA\_TRANS FROM STAGE\_MF\_BRKG\_RTA\_TRANS\_CSV WHERE SMBRTC\_FILE\_ID=" || File\_id;

DROP TABLE EXT\_STAGE\_MF\_BRKG\_RTA\_TRANS

Process successful: output\_msg=1 }

The above procedure is doing the following things:

1. Create external table- EXT STAGE\_MF BRKG RTA TRANS
2. Load CSV file into external table using Oracle loader which reads data line by line
3. Calculating Clawback, num of rows in external table and then updating DBF\_PROCESSING\_LOG table.
4. Loading data from external table to stage table STAGE\_MF\_BRKG\_RTA\_TRANS\_CSV
5. Updating record like SMBRTC\_BRKAGE\_AMT in stage table STAGE\_MF\_BRKG\_RTA\_TRANS\_CSV
6. Calculating number of records from stage table STAGE\_MF\_BRKG\_RTA\_TRANS\_CSV and updating DBF\_PROCESSING\_LOG table.
7. inserting into the main table called STAGE\_MF\_BRKG\_RTA\_TRANS from STAGE\_MF\_BRKG\_RTA\_TRANS\_CSV.
8. If the process is successful output is 1 else throws an exception/error message.

From the logs we can state that:

1. 2.70 GB csv file took 55 minutes to load into main stage table
2. 2.25 GB csv file took 1 hour 22 min
3. 1.87 GB took 1 hour.
4. Point 7 above is taking most of the time