**Almost every statement type project has message manager ie bank or credit unions wants messages mainly for advertising purpose embedded with statements . It may be text message or graphic message. So in dfa we need to code for that.**

**The message name comes from an external file called portal file such as albkms1\_msg\_portal.txt and the contents of this file may be:**

**1|DEFAULT|000000.300|68882**

**EOF**

**0000000.300 is the pseg .**

**To display this message we need to set some configurations variables like the positions where to display etc. Also we need to call external dfa( e.g. FORMAT MSG\_MGR\_READ\_SAM\_LIST EXTERNAL) to read the portal file and get the message name**

**In Beforefirstdoc:**

**/\*\*\*\*\*\*\*\*\*\*\*\*\*\* msg mgr \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/**

**&MSG1\_HOR\_POS = 0.1 ;**

**&MSG1\_VER\_POS = 3.1 ;**

**&MSG1\_WIDTH = 7.5 ;**

**&PRINTED\_MSG1 = 0 ;**

**&MSG2\_HOR\_POS = 0 ;**

**&MSG2\_VER\_POS = 3.4 ;**

**&MSG2\_WIDTH = 2.8 ;**

**&PRINTED\_MSG2 = 0 ;**

**IF &JOB\_TYPE=='m' ;**

**THEN ;**

**IF $SYSTEM=='Windows' ;**

**THEN ;**

**:LOCAL\_DIRECTORY ;**

**ELSE ;**

**:PRODUCTION\_DIRECTORY ;**

**ENDIF ;**

**USE**

**FORMAT MSG\_MGR\_READ\_SAM\_LIST EXTERNAL ;**

**ELSE ;**

**IF &JOB\_TYPE<>'d' ;**

**THEN ;**

**USE**

**FORMAT MSG\_MGR\_READ\_CU\_SEL\_LIST EXTERNAL**

**;**

**ENDIF ;**

**ENDIF ;**

**In $\_BEFOREDOC( initializing selective criteria variables):**

**/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Message Manager Veriables \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/**

**BRANCH = '' ;**

**ACN = '' ;**

**ZIP = '' ;**

**MSG\_ID\_STR = '' ;**

**ID\_PTR = 0 ;**

**MSG1\_ID = '' ;**

**MSG\_AREA1\_NAME = '' ;**

**MSG\_AREA1\_PRINTED = 0 ;**

**MSG\_AREA1\_TYPE = 0 ;**

**MSG2\_ID = '' ;**

**MSG\_AREA2\_NAME = '' ;**

**MSG\_AREA2\_PRINTED = 0 ;**

**MSG\_AREA2\_TYPE = 0 ;**

**ENDBALANCE = '' ;**

**PRODUCTTYPE = '' ;**

**MM2\_VALUE\_PTR = 0 ;**

**In Other doc( normally in PRINT\_DOC) display message:**

**Note: we need to set all the selective criteria variables before executing below code, see** [**setting selective criteria**](#setting_selective_criteria) **sections**

**/\*\*\*\*\*\*\*\*\*\*\*\*\*\* msg mgr \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/**

**IF &JOB\_TYPE=='m' ;**

**THEN ;**

**IF &TOTAL\_MSG\_PRINTED>=&MSG\_CNT ;**

**THEN ;**

**ENDDOCUMENT;**

**ENDIF ;**

**ENDIF ;**

**/\*\*\*\*\*\*\*\*\*\*\*\*\*\* msg mgr \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/**

**IF &JOB\_TYPE=='m' ;**

**THEN ;**

**USE**

**FORMAT MSG\_MGR\_FORMAT\_MSG\_SAM EXTERNAL ;**

**ELSE ;**

**IF &JOB\_TYPE=='d' ;**

**THEN ;**

**USE**

**FORMAT MSG\_MGR\_FORMAT\_DYN\_SAM EXTERNAL ;**

**ELSE ;**

**USE**

**FORMAT MSG\_MGR\_FORMAT\_CU\_MSG EXTERNAL ;**

**ENDIF ;**

**ENDIF ;**

**In paper writerecord: (for jobtype ‘s’)**

**PUT MSG\_AREA1\_TYPE START 411 LENGTH 1;**

**PUT MSG\_AREA1\_TYPE START 412 LENGTH 1;**

**If there is one message put 1 line if 2 then put 2 line**

**In DOCFORMAT $\_AFTERDOC;( for job type ‘f’)**

**MSG\_ID\_STR = '' ;**

**FOR MC**

**REPEAT MAXINDEX(MSG\_ID) ;**

**IF MC>1 ;**

**THEN ;**

**MSG\_ID\_STR = MSG\_ID\_STR!','!MSG\_ID[MC] ;**

**ELSE ;**

**MSG\_ID\_STR = MSG\_ID[MC] ;**

**ENDIF ;**

**ENDFOR ;**

**&MESSAGEID = MSG\_ID\_STR ;**

**setting selective criteria:**

**Selective criteria’s:**

|  |  |  |
| --- | --- | --- |
| ***CRITETIA NAME*** | ***MESSAGE MANAGER NAME*** | ***COMMENTS*** |
| **ACCOUNT NUMBER** | **ACN** | **NO LEADING ZEROS (NUMPICTURE(ACCOUNT\_NUMBER,'################0') ) or just Multiply by 1** |
| **ZIP CODE** | **ZIP** | **EXTRACT(ZIP\_CODE,'-',1) should hold no more than 5 digits** |
| **BRANCH** | **BRANCH** | **NO LEADING ZEROS OF SPACE** |
| **ENDBALANCE** | **MM2 TABLE 2ND FIELD** | **NUMPICTURE(MSG\_ENDINGBAL,'0000000000.00') 10 DIGITS PADDED WITH ZEROS NO COMMAS BUT CAN HAVE DECIMAL POINT e.g. 0000278939.25** |
| **MAJOR CODE** | **MM2 TABLE 5TH FIELD** | **NO LEADING OR TRAILING SPACE** |
| **MINOR CODE** | **MM2 TABLE 6TH FIELD** | **NO LEADING OR TRAILING SPACE** |
|  |  |  |

**Example:**

**MSG\_MINOR\_CODE = NOSPACE(SUBSTR(CUR\_RECORD\_LINE,43,4, '')) ;**

**MSG\_MAJOR\_CODE = NOSPACE(SUBSTR(CUR\_RECORD\_LINE,39,4, '')) ;**

**MSG\_ENDINGBAL = NOSPACE(SUBSTR(CUR\_RECORD\_LINE,88,11, ''))\*1 ;**

**MSG\_ENDINGBAL = CONVERT('cobol','picture',MSG\_ENDINGBAL,2) ;**

**MSG\_ENDINGBAL = NUMPICTURE(MSG\_ENDINGBAL,'0000000000.00') ;**

**MM2\_VALUE\_PTR = MM2\_VALUE\_PTR+1 ;**

**MM2\_VALUE\_TABLE[MM2\_VALUE\_PTR] = '|'!MSG\_ENDINGBAL!'|||'!MSG\_MAJOR\_CODE!'|'!MSG\_MINOR\_CODE!'|' ;**

MM2 table value needs to be set for each product ie each product should have it’s own entry in MM2 table

Then each logo should also be printed for job type m and d like job type ‘f’

Setting message manger in pilot:

First you have set up message in pilot site with applicable criteria and create message holder in appropriate position

In creating campaign when creating target groups give actual information meaning actual balance or actual account number etc from the data file the will be processed

Put fake ( strictly fake ) data name <prefix>.dyn\_sam with only one customer which will generate only one logical page in output in /home/dsi/keep/ directory which will run under job\_type=”d” or in preview in web

And put <prefix>.sam in same directory with same no customer as selective criteria or specificly target group created in the pilot site when creating campaign which will run under ‘m’ option in or approve in web

In control msg mgr flag should be set appropriately

Important notes:

Portal file , masseges will be generated in /d/cid/prefix/sample/ or /t/tfcu/tfcums1/sample/ also a log file

/d/pdf\_afp/wash/washml1/afp/ should be created before preview or approve

Resources(graphics pseg,ovl) should be in preprocessing02 server which production so we don’t have the access to do it so ask the client

need directory - /t/pdf\_afp/wash/washds1/afp

- /d/pdf\_afp/wash/washds1/afp

message portal file generated in /d/cid/prefix/sample/

also tiff files are generated there

/d/cid/cid\_jid\_msgmgr2\_preview\_sam.log is the log file for message manager

[12:33:41 AM] Diego Franco: well i see one in the log

[12:33:55 AM] Diego Franco: so on rht if you go into /d/cobz/

[12:34:07 AM] Diego Franco: there is a file called cobz\_ms1\_msgmgr2\_preview\_sam.log

[12:34:16 AM] Rony Das: ok

[12:34:30 AM] Diego Franco: inside there is a repetition of the same call

[12:34:35 AM] Rony Das: o

[12:34:41 AM] Diego Franco: /home/master/approve\_sample\_msgid.sh cobz ms1 1|cobz\_ms1\_02222017\_03102017.zip 02222017 03102017 DDA 1

[12:34:53 AM] Diego Franco: so this is the error message isd usually sends us

[12:35:26 AM] Diego Franco: if you run that command it will return what the error is ... only difference is you need to put quotes around 2 items

[12:35:36 AM] Diego Franco: like this

[12:35:37 AM] Diego Franco: /home/master/approve\_sample\_msgid.sh cobz ms1 "1|cobz\_ms1\_02222017\_03102017.zip" 02222017 03102017 DDA 1

[12:35:58 AM] Diego Franco: if you run that we get returned 4|unable to tranfer pdf file

[12:36:18 AM] Rony Das: ok

[12:37:12 AM] Diego Franco: this error is what gives us insight into whats going on in the backend with ISD servers

[12:37:28 AM] Diego Franco: in this case it looks the same as what i was running into which was a permissions issu e

[12:38:07 AM] Diego Franco: you did your part i asked for in the last email which was to generate the error.

[12:45:01 AM] Rony Das: + /home/master/approve\_sample\_msgid.sh cobz ms1 '1|cobz\_ms1\_03232017\_03232017.zip' 03232017 03232017 DDA 1

cp: cannot create regular file '/d/test/msgmgr/pseg/base\_pseg\_30123.icd': Permission denied

bash: /d/test/msgmgr/pseg/base\_pseg\_30123.icd: Permission denied

bash: /d/test/msgmgr/pseg/base\_pseg\_30123.icd: Permission denied

cp: cannot create regular file '/d/test/msgmgr/pseg/base\_pseg\_30124.icd': Permission denied

bash: /d/test/msgmgr/pseg/base\_pseg\_30124.icd: Permission denied

bash: /d/test/msgmgr/pseg/base\_pseg\_30124.icd: Permission denied

cp: cannot create regular file '/d/test/msgmgr/pseg/base\_pseg\_30122.icd': Permission denied

bash: /d/test/msgmgr/pseg/base\_pseg\_30122.icd: Permission denied

bash: /d/test/msgmgr/pseg/base\_pseg\_30122.icd: Permission denied

[12:45:17 AM] Rony Das: I got this

[12:47:37 AM] Diego Franco: ah your permissions on your own server are messing you up

[12:47:42 AM] Diego Franco: thats a network issue

[12:47:46 AM] Rony Das: o

[12:48:14 AM] Diego Franco: so ISD just change the permissions and im generating the next step now