Here is what is stated in Sidney's paper:

## Reconciliation

**To add more details on the requirements and validate with OPS.**

Reconciliation data are stored in TLM RP application. There is a regulatory need to keep those data as well as an operational need in case of litigation.

For each reconciliation matching Item as well as breaks needs to be retain. Criteria should be:

1. Breaks should be retained as long as they are opened.
2. Matching items should be retained for 13 month online.

Breaks are already stored daily in the data warehouse, but not the matching items. Smartstream provides an archival framework but it is not satisfactory as the restitution of archive data cannot be exploited.

NB: APTP have also have a full access to the application DB, and could create a custom archival processing.

## Corporate Action

Data related to corporate action application needs to be retained or archive for a 10 years period.

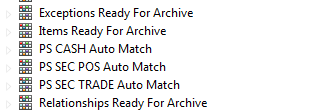
**To add more details on the requirements.**

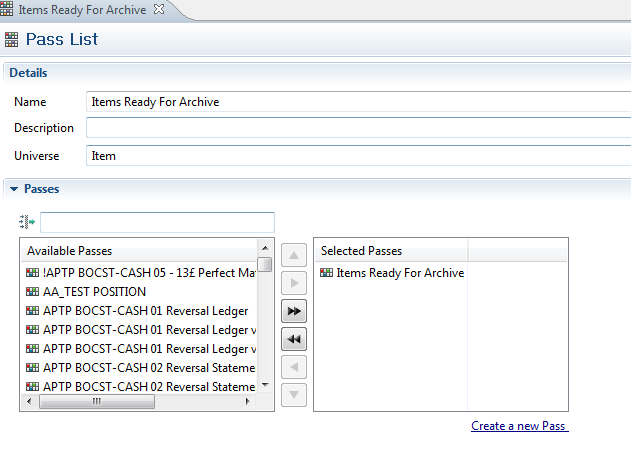
In SmartStudio on the LPS4 environment:

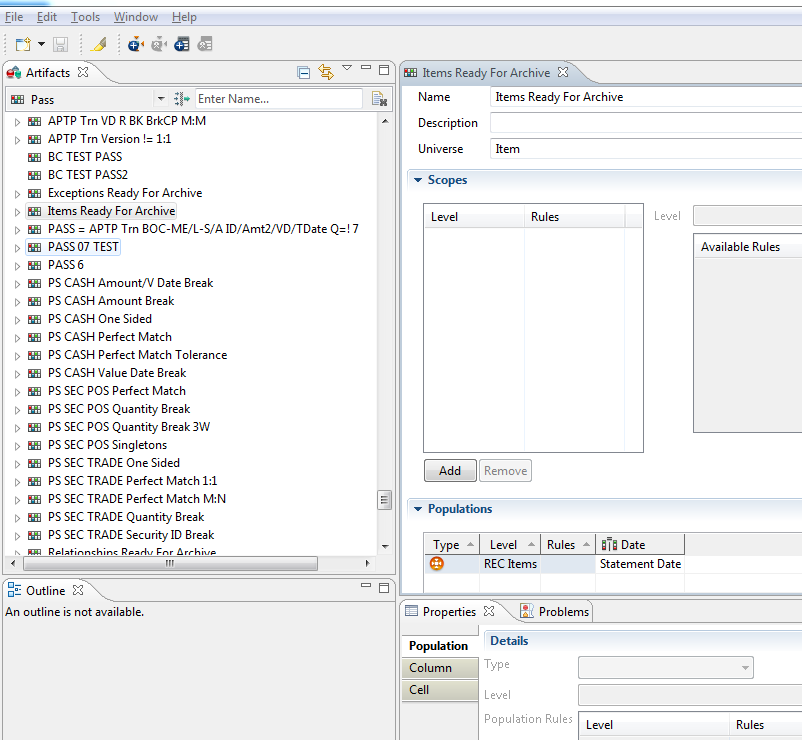
Three initiations are already present:



Three Pass Lists already present:

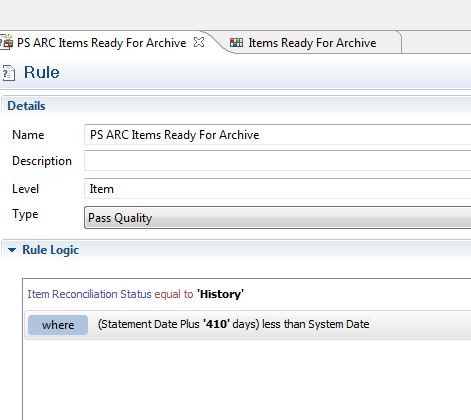




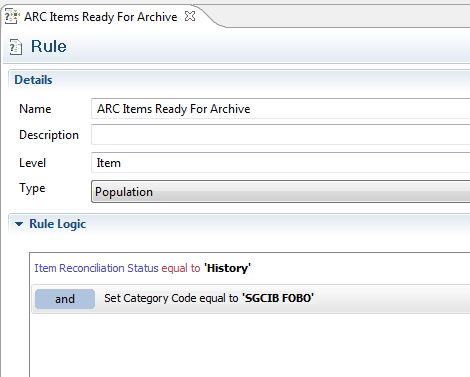


For Test:

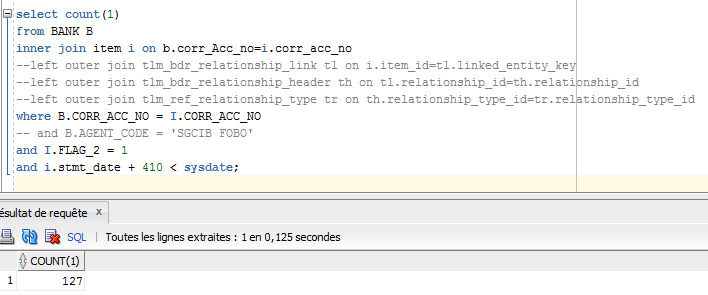
Not used



Used:



Perimeter of test:



In the end, we should not do this at the level of Items but at the level of Relations.

Indeed, according to GOPALA, when we archive the relations, it also archives the ITEMS and associated Exceptions.

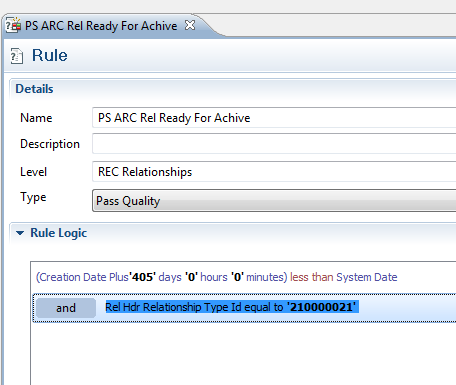
The three target tables are empty:

Select \* from RECS\_ARCHIVE\_ITEM;

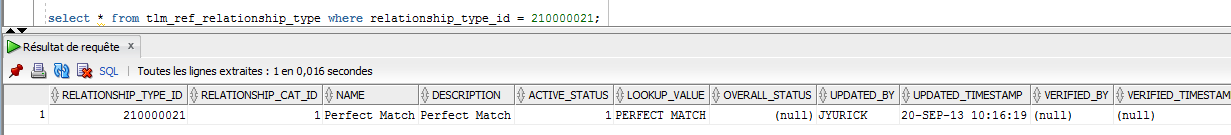
Select \* from RECS\_ARCHIVE\_EXCEPTION;

Select \* from RECS\_ARCHIVE\_RELATIONSHIP;

Test with this rule:



The 210000021 is:



REM INSERTING into WORKFLOW\_QUEUE

SET DEFINE OFF;

Insert into WORKFLOW\_QUEUE (CORR\_ACC\_NO,LOCK\_FLG,PASS\_LIST\_ID,PRIORITY,USER\_ID,INITIATION\_ID,EVENT\_GROUP\_ID,TYPE,WORKFLOW\_LIST\_ID,REMOTE\_INTEGER\_VALUE,REMOTE\_STRING\_VALUE,EVENT\_DATE,PROPOSAL\_TIME,WORKFLOW\_QUEUE\_ID,ENTITY\_TYPE) values (0,0, 10004,0,'AP100081', 10042,0,1,0,0,' ',to\_date('01-JAN-00 00:00:00','DD-MON-RR HH24:MI:SS'),to\_date('01-JAN-00 00:00:00','DD-MON-RR HH24:MI:SS'),select WORKFLOW\_QUEUE\_ID\_SEQ.NEXTVAL from dual,0);

Insert into WORKFLOW\_QUEUE (CORR\_ACC\_NO,LOCK\_FLG,PASS\_LIST\_ID,PRIORITY,USER\_ID,INITIATION\_ID,EVENT\_GROUP\_ID,TYPE,WORKFLOW\_LIST\_ID,REMOTE\_INTEGER\_VALUE,REMOTE\_STRING\_VALUE,EVENT\_DATE,PROPOSAL\_TIME,WORKFLOW\_QUEUE\_ID,ENTITY\_TYPE)

select 0,0, 10005,0,'AP100081', 10044,0,1,0,0,' ',to\_date('01-JAN-00 00:00:00','DD-MON-RR HH24:MI:SS'),to\_date('01-JAN-00 00:00:00','DD-MON-RR HH24:MI:SS'),WORKFLOW\_QUEUE\_ID\_SEQ.NEXTVAL ,0

from dual;

INSERT INTO WORKFLOW\_QUEUE (CORR\_ACC\_NO, LOCK\_FLG, PASS\_LIST\_ID, PRIORITY, TYPE) VALUES (0, '0', '10005', '0', '11');

This one works but does not archive anything.

INSERT INTO WORKFLOW\_QUEUE (CORR\_ACC\_NO, LOCK\_FLG, INITIATION\_ID, PRIORITY, TYPE, PASS\_LIST\_ID) VALUES (0, '0', '10044', '0', '11','10005');

Same for this one

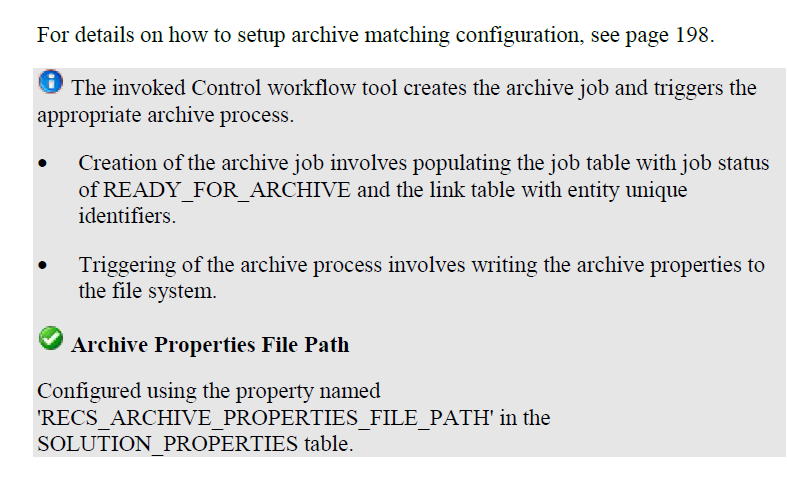
INSERT INTO WORKFLOW\_QUEUE (CORR\_ACC\_NO, LOCK\_FLG, PASS\_LIST\_ID, PRIORITY, TYPE) VALUES (100008340, '0', '10005', '0', '11');

Hristo insert statement :

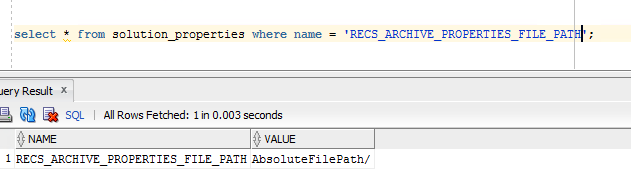
INSERT INTO WORKFLOW\_QUEUE (CORR\_ACC\_NO, LOCK\_FLG, PASS\_LIST\_ID, PRIORITY, TYPE) VALUES (100008414, '0', '10209', '0', '11');

Open questions for Hristo:

It is said that the process has to write a properties file on the system :



Actually the setting is as follow:



Is it OK ?

Is Morpheus (Servicemix) needed for the data to be archived or is it only useful for viewing already archived data ?

with link

as

(

select tl.linked\_entity\_key from tlm\_bdr\_relationship\_link tl, tlm\_bdr\_relationship\_header th, tlm\_ref\_relationship\_type tr where tl.relationship\_id=th.relationship\_id

and th.relationship\_type\_id=tr.relationship\_type\_id

and tl.CREATED\_DATETIME + 445 < sysdate

and tr.relationship\_type\_id = 210000021

)

select b.corr\_acc\_no, b.local\_acc\_no, i.\* from link, item i, bank b

where i.item\_id=link.linked\_entity\_key

and b.corr\_Acc\_no=i.corr\_acc\_no;

Following Hristo meeting :

