

Splitting a Unified file with multiple years data and loading it in respective tables in Snowflake

This involves below main steps and sub steps:

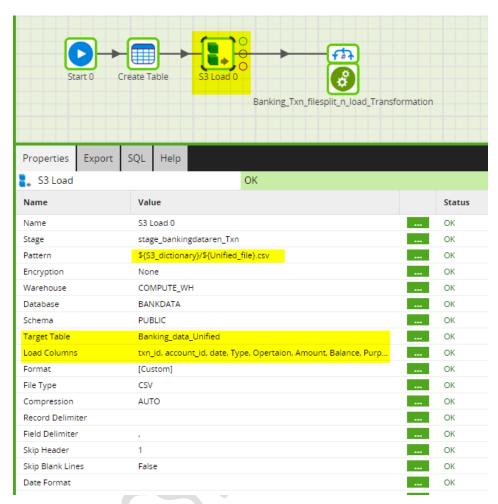
- 1. Load unified data from CSV in S3 to Snowflake table
 - o Create a table structure in snowflake using CREATE TABLE



Use S3 LOAD to load into snowflake

S



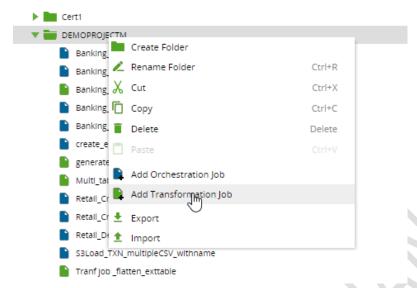


2. Since we need to loop/iterarte YEAR, create a variable for year

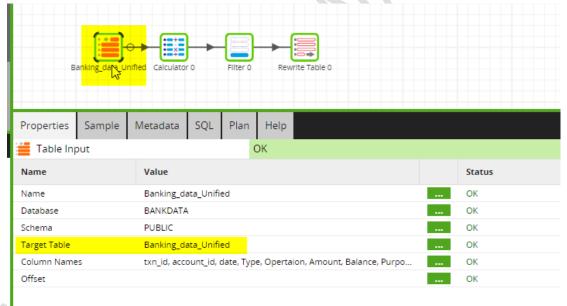


- 3. Creating transformations:
 - o Create a transformation Job



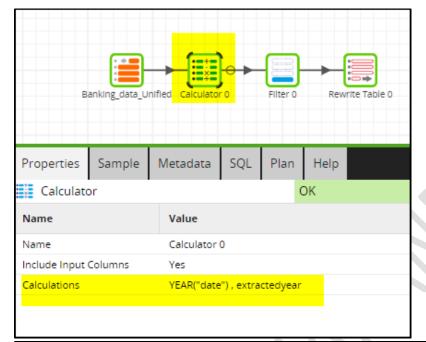


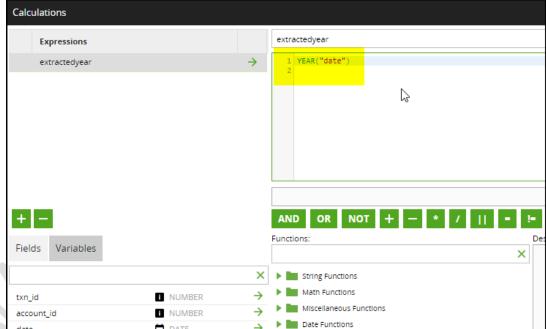
Use TABLE INPUT, to bring in data to transform



Use CALCULATER to add a YEAR column

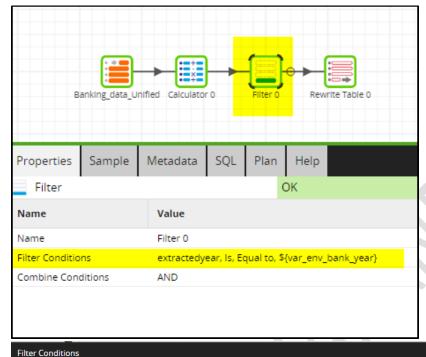






Use FILTER to filter out the year

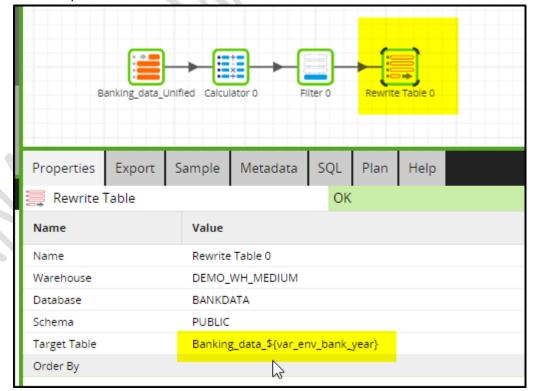




Input Column Qualifier Comparator Value

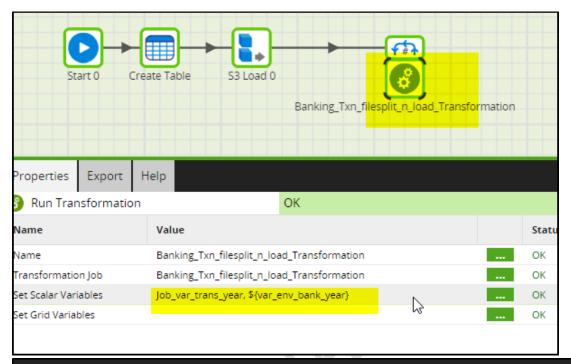
extractedyear Is Equal to \$\{\text{var_env_bank_year}\}\]

Write into the respective tables



- 4. To tie the Orchestration and Iteration Job together we use 'Run transformation' component. But for the variable to loop when transforming we need a LOOP ITERATOR
 - RUN TRANSFORMATION





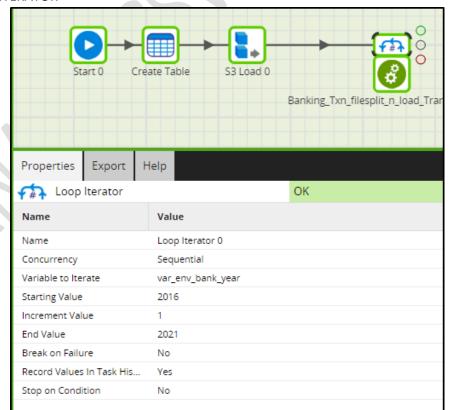
 Set Scalar Variables

 Variable
 Value

 Job_var_trans_year
 \${var_env_bank_year}

 Type:

LOOP ITERATOR





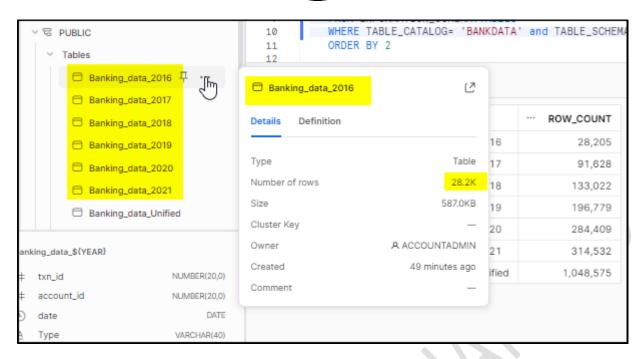
RESULTS:

In mattillion:

Banking_Txn_filesplit_n_load_Transformation $^{ imes}$		Banking_Txn_filesplit_n_load ×		Banking_T			Task - Banking_Txn_filesplit_n_load ×
Environment: Matillion_Bank	ed: 22:55:19						
Job	Component	Duration	Queued	Started	Completed	Row Co	Message
Banking_Txn_filesplit_n_load		31.9s	22:55:19	22:55:19	22:55:51		
Banking_Txn_filesplit_n_loa	Start 0	0.0s	22:55:19	22:55:19	22:55:19		
Banking_Txn_filesplit_n_loa	Create Table	1.2s	22:55:19	22:55:19	22:55:20		Created table ["BANKDATA"."PUBLIC"."Banking_data_L
Banking_Txn_filesplit_n_loa	S3 Load 0	9.4s	22:55:20	22:55:20	22:55:29	1048575	
▼ ▼ Banking_Txn_filesplit_n_loa	Loop Iterator 0	21.2s	22:55:29	22:55:29	22:55:51		6 iterations generated.
▼ ▼ Banking_Txn_filesplit_n_	. Banking_Txn_fil	3.1s	22:55:29	22:55:29	22:55:32		var_env_bank_year = 2016
▼ 🐼 Banking_Txn_filespli	Banking_Txn_fil	3.1s	22:55:29	22:55:29	22:55:32		
Banking_Txn_file	e Banking_data_U	0.5s	22:55:29	22:55:29	22:55:30	0	
Banking_Txn_file	Calculator 0	0.1s	22:55:30	22:55:30	22:55:30	0	
Banking_Txn_file	Filter 0	0.1s	22:55:30	22:55:30	22:55:30	0	
Banking_Txn_file	Rewrite Table 0	2.4s	22:55:30	22:55:30	22:55:32	28205	B
▼ ▼ Banking_Txn_filesplit_n_	Banking_Txn_fil	3.4s	22:55:32	22:55:32	22:55:36		var_env_bank_year = 2017
▼ 🚱 Banking_Txn_filespli	Banking_Txn_fil	3.4s	22:55:32	22:55:32	22:55:36		
Banking_Txn_file	e Banking_data_U	1.0s	22:55:32	22:55:32	22:55:33	0	
Banking_Txn_file	Calculator 0	0.1s	22:55:33	22:55:33	22:55:34	0	
Banking_Txn_file	Filter 0	0.1s	22:55:34	22:55:34	22:55:34	0	
Banking_Txn_file	Rewrite Table 0	2.1s	22:55:34	22:55:34	22:55:36	91628	
Banking_Txn_filesplit_n_	Banking_Txn_fil	3.5s	22:55:36	22:55:36	22:55:39		var_env_bank_year = 2018
Banking_Txn_filesplit_n_	Banking_Txn_fil	3.4s	22:55:39	22:55:39	22:55:43		var_env_bank_year = 2019
Banking_Txn_filesplit_n_	Banking_Txn_fil	3.9s	22:55:43	22:55:43	22:55:47		var_env_bank_year = 2020
Banking_Txn_filesplit_n_	Banking_Txn_fil	3.9s	22:55:47	22:55:47	22:55:51		var_env_bank_year = 2021

In Snowflake new tables:





Total rows in each table



Cross verifying counts in the unified table:



