



Jobs

Generated by Talend Cloud Data
Management Platform

Project Name	talendcloud	GENERATION DATE	31 Jan, 2019 3:00:09 PM
AUTHOR	Joshi, Nishad	Talend Cloud VERSION	7.1.1.20181026_1147

Summary

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Project Description

Properties	Values
Name	talendcloud
Language	java

Description	
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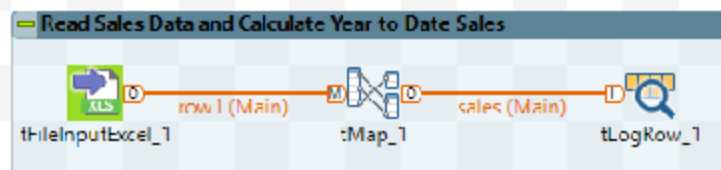
Description

Properties	Values
Name	PerformCumulativeSum
Author	Joshi, Nishad
Version	1.0
Purpose	
Status	DEV
Description	
Creation	6 Jun, 2016 2:24:50 PM
Modification	25 Jan, 2019 6:24:25 PM

Preview Picture

Sometimes it is useful to be able to compare a column against the same column in a previous row within a dataset. A simple example of this requirement might be as follows.

We can do this in Talend quite simply using a tMap component and tMap variables. One of the most overlooked features of the tMap component is the fact that the tMap variables can store values between rows and they are processed in order (top down). This allows us to store values between rows and compare them with current rows.



Settings

Extra settings

Name	Value
COMP_DEFAULT_FILE_DIR	
Multi thread execution	false
Implicit tContextLoad	false

Status & Logs

Name	Value
Use statistics (tStatCatcher)	false
Use logs (tLogCatcher)	false
Use volumetrics (tFlowMeterCatcher)	false

On Console	false
On Files	false
On Databases	false
Catch components statistics	false
Catch runtime errors	true
Catch user errors	true
Catch user warnings	true

Context List

ContextDefault


Name	Prompt	Need Prompt?	Type	Value	Source
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Component List

Component Name	Component Type
tFileInputExcel_1	tFileInputExcel
tLogRow_1	tLogRow
tMap_1	tMap

Components Description

Component tFileInputExcel

	UNIQUE NAME	tFileInputExcel_1	INPUT(S)	none
	LABEL	__UNIQUE_NAME__	OUTPUT(S)	tMap_1

Component Parameters:

Properties	Values
Unique Name	tFileInputExcel_1
Component Name	tFileInputExcel
Version	0.102 (ALPHA)
Family	File/Input
Start	true
Startable	true
SUBTREE_START	true
END_OF_FLOW	false
Activate	true
DUMMY	false
tStatCatcher Statistics	false
Help	org.talend.help.tFileInputExcel
Update components	true
IREPORT_PATH	
JAVA_LIBRARY_PATH	C:\Talend-Studio-20181026_1147-V7.1.1\configuration\lib\java
Subjob color	

Title color	
Enable parallel execution	false
Number of parallel executions	2
PARALLELIZE_KEEP_EMPTY	false
Property Type	Built-In
Read excel2007 file format(xlsx)	false
File name/Stream	"F:/Trainings/CITI/SampleFiles/Sales_Summary_2016.xls"
All sheets	false
Sheet list	[[SHEETNAME="Sheet1", USE_REGEX=false]]
Header	1
Footer	0
Limit	
Affect each sheet(header&&footer)	false
First column	1
Last column	
Die on error	false
REPOSITORY_ALLOW_AUTO_SWITCH	True
Schema	Built-In
Schema	Built-In
Advanced separator (for numbers)	false
Thousands separator	" " ,
Decimal separator	" " .


Trim all columns	false
Check column to trim	[[{SCHEMA_COLUMN=Month, TRIM=false}, {SCHEMA_COLUMN=Sales, TRIM=false}, {SCHEMA_COLUMN=Year_To_Date_Sales, TRIM=false}]
Convert date column to string	false
Check need convert date column	[[{SCHEMA_COLUMN=Month, CONVERTDATE=false, PATTERN="MM-dd-yyyy"}, {SCHEMA_COLUMN=Sales, CONVERTDATE=false, PATTERN="MM-dd-yyyy"}, {SCHEMA_COLUMN=Year_To_Date_Sales, CONVERTDATE=false, PATTERN="MM-dd-yyyy"}]
Encoding	"ISO-8859-15"
Read real values for numbers	false
Stop reading on encountering empty rows	false
Don't validate the cells	false
Ignore the warning	false
Generation mode	USER_MODE
Include phonetic runs	true
Label format	__UNIQUE_NAME__
Hint format	__UNIQUE_NAME__ __COMMENT__
Connection format	row
Show Information	false
Comment	
Use an existing validation rule	false
Validation Rule Type	

Schema for tFileInputExcel_1 :

Column	Key	Type	Length	Precision	Nullable	Comment
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Month	false	String			true	
Sales	false	Double			true	
Year_To_Date_Sales	false	Double			true	

Original Function Parameters:
Component tLogRow

	UNIQUE NAME	tLogRow_1	INPUT(S)	tMap_1
	LABEL	__UNIQUE_NAME__	OUTPUT(S)	none

Component Parameters:

Properties	Values
Unique Name	tLogRow_1
Component Name	tLogRow
Version	0.101 (ALPHA)
Family	Logs_Errors
Startable	false
SUBTREE_START	false
END_OF_FLOW	true
Activate	true
DUMMY	false
tStatCatcher Statistics	false
Help	org.talend.help.tLogRow
Update components	true


REPORT_PATH	
JAVA_LIBRARY_PATH	C:\Talend-Studio-20181026_1147-V7.1.1\configuration\lib\java
Subjob color	
Title color	
Enable parallel execution	false
Number of parallel executions	2
PARALLELIZE_KEEP_EMPTY	false
REPOSITORY_ALLOW_AUTO_SWITCH	TRUE
Schema	Built-In
Basic	false
Table (print values in cells of a table)	true
Vertical (each row is a key/value list)	false
Print unique name	true
Print label	false
Print unique name and label	false
Field Separator	" "
Print header	false
Print component unique name in front of each output row	false
Print schema column name in front of each value	false
Use fixed length for values	false
Lengths	[[{SCHEMA_COLUMN=Month, LENGTH=10}, {SCHEMA_COLUMN=Sales, LENGTH=10}, {SCHEMA_COLUMN=Year_To_Date_Sales, LENGTH=10}]

Print content with log4j	true
Min column number of optimize code	100
Label format	__UNIQUE_NAME__
Hint format	__UNIQUE_NAME__ __COMMENT__
Connection format	row
Show Information	false
Comment	
Use an existing validation rule	false
Validation Rule Type	

Schema for sales :

Column	Key	Type	Length	Precision	Nullable	Comment
Month	false	String			true	
Sales	false	Double			true	
Year_To_Date_Sales	false	Double			true	

Original Function Parameters:
Component tMap

	UNIQUE NAME	tMap_1	INPUT(S)	tFileInputExcel_1
	LABEL	__UNIQUE_NAME__	OUTPUT(S)	tLogRow_1

Component Parameters:

Properties	Values
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tStatCatcher Statistics	false
Enable parallel execution	false
Mapping links display as:	AUTO
Temp data directory path:	
Max buffer size (nb of rows):	2000000
Ignore trailing zeros for BigDecimal	false
Show Information	false
Comment	
Use an existing validation rule	false

Mapper table for tMap_1 (input):

Mapper table Properties(row1):

Properties	Values
Name	row1
Matching-mode	UNIQUE_MATCH
isMinimized	false
isReject	false
isRejectInnerJoin	false
isInnerJoin	false
expressionFilter	null

Metadata Table Entries(row1):

Name	Type	Expression	isNullable
Month	String		true
Sales	Double		true
Year_To_Date_Sales	Double		true

Constraint Table Entries(row1):

Name	Type	Expression	isNullable
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Mapper table for tMap_1 (output):

Mapper table Properties(sales):

Properties	Values
Name	sales
Matching-mode	
isMinimized	false
isReject	false
isRejectInnerJoin	false
isInnerJoin	false
expressionFilter	null

Metadata Table Entries(sales):

Name	Type	Expression	isNullable
Month	String	row1.Month	true
Sales	Double	row1.Sales	true
Year_To_Date_Sales	Double	Var.YearSales	true

Constraint Table Entries(sales):

Name	Type	Expression	isNullable
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Mapper table for tMap_1 (var):

Mapper table Properties(Var):

Properties	Values
Name	Var
Matching-mode	
isMinimized	false
isReject	false
isRejectInnerJoin	false
isInnerJoin	false
expressionFilter	null

Metadata Table Entries(Var):

Name	Type	Expression	isNullable
YearSales	double	Var.Month == null ? row1.Sales : Var.YearSales + row1.Sales	false
Month	String	row1.Month	false

Constraint Table Entries(Var):

Name	Type	Expression	isNullable
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