Jobs

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Summary

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Project Description

Properties	Values
Name	talendcloud
Language	java

Description	

Description

Properties	Values
Name	Joins
Author	Joshi, Nishad
Version	0.1
Purpose	
Status	
Description	
Creation	9 May, 2016 6:36:17 PM
Modification	8 Apr, 2018 1:48:02 PM

Preview Picture
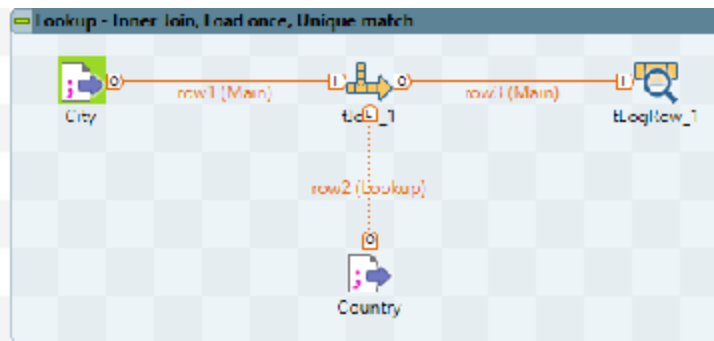
tJoin is a basic pure component used to do a join, including inner join and left outer join, between two data sources. tMap is more powerful in terms of functionality than tJoin, though tMap can be used to perform the same functionality as tJoin, but they are different components and are designed for different needs.

Below is the list of the differences between tJoin and tMap:

tMap can have many output links compared to tJoin which only has a main and reject links.

tMap supports for writing expression on the columns while providing the joining condition, however, tJoin only supports exact match between the keys.

tMap supports the storage of the look-up data on disk.

tMap allows you to reload the look-up data for each main record.

tMap supports more types of join model, includes unique join, first join and all join.

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

Component List

Component Name	Component Type
tFileInputDelimited_1	tFileInputDelimited

tFileInputDelimited_2	tFileInputDelimited
tJoin_1	tJoin
tLogRow_1	tLogRow

Components Description

Component   tFileInputDelimited

	UNIQUE NAME	tFileInputDelimited_1	INPUT(S)	none
	LABEL	City	OUTPUT(S)	tJoin_1

Component Parameters:

Properties	Values
Unique Name	tFileInputDelimited_1
Component Name	tFileInputDelimited
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.tFileInputDelimited
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
REPOSITORY_ALLOW_AUTO_SWITCH	true
Schema	repository: DELIM:City - metadata
File name/Stream	"F:/Trainings/CITI/SampleFiles/City_Delimited.txt"
CSV options	false
Row Separator	"\n"
CSV Row Separator	"\n"
Field Separator	";"
Escape char	"""
Text enclosure	"""
Header	1
Footer	0
Limit	

Skip empty rows	false
Uncompress as zip file	false
Die on error	false
Schema	repository: DELIM:City - metadata
!!!TEMP_DIR.NAME!!!	"D:/Talend-Tools-Studio-20151214_1327-V6.1.1/workspace"
Advanced separator (for numbers)	false
Thousands separator	","
Decimal separator	"."
Extract lines at random	false
Number of lines	10
Trim all columns	false
Check column to trim	[{SCHEMA_COLUMN=ID, TRIM=false}, {SCHEMA_COLUMN=Name, TRIM=false}, {SCHEMA_COLUMN=CountryCode, TRIM=false}, {SCHEMA_COLUMN=District, TRIM=false}, {SCHEMA_COLUMN=Population, TRIM=false}]
Check each row structure against schema	false
Check date	false
Encoding	"UTF-8"
Split row before field	false
Permit hexadecimal (0xNNN) or octal (0NNNN) for numeric types	false
Decode table	[{SCHEMA_COLUMN=ID, DECODE=false}, {SCHEMA_COLUMN=Name, DECODE=false}, {SCHEMA_COLUMN=CountryCode, DECODE=false}, {SCHEMA_COLUMN=District, DECODE=false}, {SCHEMA_COLUMN=Population, DECODE=false}]
!!!DESTINATION.NAME!!!	
Min column number of optimize code	100

Label format	City
Hint format	__UNIQUE_NAME__ __COMMENT__
Connection format	row
Show Information	false
Comment	
Use an existing validation rule	false
Validation Rule Type	

Schema for metadata :

Column	Key	Type	Length	Precision	Nullable	Comment
ID	false	Integer	2		true	
Name	false	String	19		true	
CountryCode	false	String	3		true	
District	false	String	15		true	
Population	false	Integer	7		true	

Original Function Parameters:
Component   tFileInputDelimited

	UNIQUE NAME	tFileInputDelimited_2	INPUT(S)	none
	LABEL	Country	OUTPUT(S)	tJoin_1

Component Parameters:

Properties	Values

Unique Name	tFileInputDelimited_2
Component Name	tFileInputDelimited
Version	0.102 (ALPHA)
Family	File/Input
Start	false
Startable	true
SUBTREE_START	false
END_OF_FLOW	false
Activate	true
DUMMY	false
tStatCatcher Statistics	false
Help	org.talend.help.tFileInputDelimited
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
REPOSITORY_ALLOW_AUTO_SWITCH	true

Schema	repository: DELIM:Country - metadata
File name/Stream	"F:/Trainings/CITI/SampleFiles/Country_Delimited.txt"
CSV options	false
Row Separator	"\n"
CSV Row Separator	"\n"
Field Separator	";"
Escape char	"""
Text enclosure	"""
Header	1
Footer	0
Limit	
Skip empty rows	false
Uncompress as zip file	false
Die on error	false
Schema	repository: DELIM:Country - metadata
!!!TEMP_DIR.NAME!!!	"D:/Talend-Tools-Studio-20151214_1327-V6.1.1/workspace"
Advanced separator (for numbers)	false
Thousands separator	","
Decimal separator	"."
Extract lines at random	false
Number of lines	10
Trim all columns	false

Check column to trim	[{SCHEMA_COLUMN=Code, TRIM=false}, {SCHEMA_COLUMN=Name, TRIM=false}, {SCHEMA_COLUMN=Continent, TRIM=false}, {SCHEMA_COLUMN=Region, TRIM=false}, {SCHEMA_COLUMN=SurfaceArea, TRIM=false}, {SCHEMA_COLUMN=IndepYear, TRIM=false}, {SCHEMA_COLUMN=Population, TRIM=false}, {SCHEMA_COLUMN=LifeExpectancy, TRIM=false}, {SCHEMA_COLUMN=GNP, TRIM=false}, {SCHEMA_COLUMN=GNPOld, TRIM=false}, {SCHEMA_COLUMN=LocalName, TRIM=false}, {SCHEMA_COLUMN=GovernmentForm, TRIM=false}, {SCHEMA_COLUMN=HeadOfState, TRIM=false}, {SCHEMA_COLUMN=Capital, TRIM=false}, {SCHEMA_COLUMN=Code2, TRIM=false}]
Check each row structure against schema	false
Check date	false
Encoding	"UTF-8"
Split row before field	false
Permit hexadecimal (0xNNNN) or octal (0NNNN) for numeric types	false
Decode table	[{SCHEMA_COLUMN=Code, DECODE=false}, {SCHEMA_COLUMN=Name, DECODE=false}, {SCHEMA_COLUMN=Continent, DECODE=false}, {SCHEMA_COLUMN=Region, DECODE=false}, {SCHEMA_COLUMN=SurfaceArea, DECODE=false}, {SCHEMA_COLUMN=IndepYear, DECODE=false}, {SCHEMA_COLUMN=Population, DECODE=false}, {SCHEMA_COLUMN=LifeExpectancy, DECODE=false}, {SCHEMA_COLUMN=GNP, DECODE=false}, {SCHEMA_COLUMN=GNPOld, DECODE=false}, {SCHEMA_COLUMN=LocalName, DECODE=false}, {SCHEMA_COLUMN=GovernmentForm, DECODE=false}, {SCHEMA_COLUMN=HeadOfState, DECODE=false}, {SCHEMA_COLUMN=Capital, DECODE=false}, {SCHEMA_COLUMN=Code2, DECODE=false}]
!!!DESTINATION.NAME!!!	
Min column number of optimize code	100
Label format	Country
Hint format	__UNIQUE_NAME__ __COMMENT__
Connection format	row
Show Information	false
Comment	

Use an existing validation rule	false	
Validation Rule Type		

Schema for metadata :

Column	Key	Type	Length	Precision	Nullable	Comment
Code	false	String	3		true	
Name	false	String	37		true	
Continent	false	String	13		true	
Region	false	String	25		true	
SurfaceArea	false	String	9		true	
IndepYear	false	String	5		true	
Population	false	Integer	10		true	
LifeExpectancy	false	String	4		true	
GNP	false	Float	8	4	true	
GNPOld	false	String	8		true	
LocalName	false	String	35		true	
GovernmentForm	false	String	44		true	
HeadOfState	false	String	27		true	
Capital	false	String	4		true	

Code2	false	String	2		true	

Original Function Parameters:
Component   tJoin

	UNIQUE NAME	tJoin_1	INPUT(S)	tJoin_1 , tFileInputDelimited_2
	LABEL	__UNIQUE_NAME__	OUTPUT(S)	tLogRow_1

Component Parameters:

Properties	Values
Unique Name	tJoin_1
Component Name	tJoin
Version	0.101 (ALPHA)
Family	Processing
Startable	false
SUBTREE_START	false
END_OF_FLOW	false
Activate	true
DUMMY	false
tStatCatcher Statistics	false
Help	org.talend.help.tJoin
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
REPOSITORY_ALLOW_AUTO_SWITCH	true
Schema	Built-In
Schema	Built-In
Include lookup columns in output	true
Column mapping	[{OUTPUT_COLUMN=CountryCode, LOOKUP_COLUMN=Code}]
Key definition	[{INPUT_COLUMN=CountryCode, LOOKUP_COLUMN=Code}]
Inner join (with reject output)	false
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 metadata :

Column	Key	Type	Length	Precision	Nullable	Comment
ID	false	Integer	2		true	

Name	false	String	19		true	
CountryCode	false	String	3		true	
District	false	String	15		true	
Population	false	Integer	7		true	

Original Function Parameters:
Component   tLogRow

	UNIQUE NAME	tLogRow_1	INPUT(S)	tJoin_1 , tFileInputDelimited_2
	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
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
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=ID, LENGTH=10}, {SCHEMA_COLUMN=Name, LENGTH=10}, {SCHEMA_COLUMN=CountryCode, LENGTH=10}, {SCHEMA_COLUMN=District, LENGTH=10}, {SCHEMA_COLUMN=Population, 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 metadata :

Column	Key	Type	Length	Precision	Nullable	Comment
ID	false	Integer	2		true	
Name	false	String	19		true	
CountryCode	false	String	3		true	
District	false	String	15		true	
Population	false	Integer	7		true	

Original Function Parameters: