



# Jobs

Generated by Talend Data Fabric

Project Name	BDBasics	GENERATION DATE	Jun 2, 2017 3:00:31 PM
AUTHOR	ulastname, ufirstname	Talend Data Fabric VERSION	6.2.1.20160704_1411

## Summary

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## Project Description

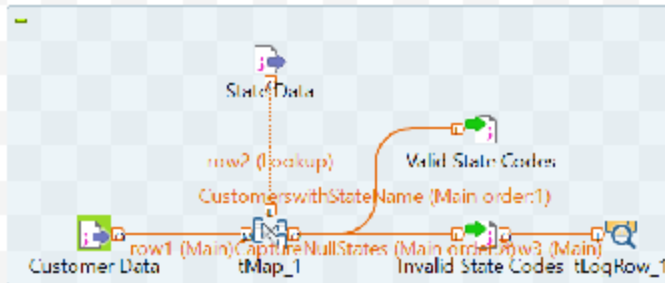
Properties	Values
Name	BDBasics
Language	java

Description	Development Project
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## Description

Properties	Values
Name	CaptureJoinFailures
Author	ulastname, ufirstname
Version	1.0
Purpose	Relate State Codes with Names
Status	
Description	Lookup table for US State Names
Creation	May 30, 2017 7:11:22 PM
Modification	Jun 2, 2017 7:13:25 AM

## Preview Picture



## 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	true
Property Type	
Property	REPOSITORY
Property:source	MySQLAMC
Db Type	tMysqlOutput
Host	context.MySQLAMC_Server
Port	context.MySQLAMC_Port
Db Name	context.MySQLAMC_Database
Additional parameters	context.MySQLAMC_AdditionalParams
Schema	
User	context.MySQLAMC_Login
Password	*****
Datasource	""
Logs Table	"logcatcher"
Meter Table	"flowmetercatcher"
Stats Table	"statcatcher"

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
MySQLAMC_Database	MySQLAMC_Database?	false	id_String	amc
MySQLAMC_Password	MySQLAMC_Password?	false	id_Password	****
MySQLAMC_Server	MySQLAMC_Server?	false	id_String	localhost
MySQLAMC_AdditionalParams	MySQLAMC_AdditionalParams?	false	id_String	noDatetimeStr
MySQLAMC_Login	MySQLAMC_Login?	false	id_String	root
MySQLAMC_Port	MySQLAMC_Port?	false	id_String	3306

## Component List


Component Name	Component Type
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tFileInputDelimited_1	tFileInputDelimited
tFileInputDelimited_2	tFileInputDelimited
tFileOutputDelimited_1	tFileOutputDelimited
tFileOutputDelimited_2	tFileOutputDelimited
tLogRow_1	tLogRow
tMap_1	tMap

## Components Description

### Component tFileInputDelimited

	UNIQUE NAME	tFileInputDelimited_1	INPUT(S)	none
	LABEL	State Data	OUTPUT(S)	tMap_1

### Component Parameters:

Properties	Values
Unique Name	tFileInputDelimited_1
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 Software\Talend-Studio-20160704_1411-V6.2.1\configurat
Subjob color	
Title color	
Enable parallel execution	false
Number of parallel executions	2
	false
Property Type	repository: DELIM:StateCodes
File name/Stream	"C:/StudentFiles/DIBasics/StateCodes.csv"

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
REPOSITORY_ALLOW_AUTO_SWITCH	false
Schema	repository: DELIM:StateCodes - metadata
Schema	repository: DELIM:StateCodes - metadata
!!!TEMP_DIR.NAME!!!	"C:/Talend Software/Talend-Studio-20160704_1411-V6.2.1/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	[[{TRIM=false, SCHEMA_COLUMN=StateID}, {TRIM=false, SCHEMA_COLUMN=StateName}, {TRIM=false, SCHEMA_COLUMN=StateCode}]]
Check each row structure against schema	false
Check date	false
Encoding	"US-ASCII"
Split row before field	false
Permit hexadecimal (0xNNN) or octal (0NNNN) for numeric types	false
Decode table	[[{DECODE=false, SCHEMA_COLUMN=StateID}, {DECODE=false, SCHEMA_COLUMN=StateName}, {DECODE=false, SCHEMA_COLUMN=StateCode}]]
!!!DESTINATION.NAME!!!	
Min column number of optimize code	100
Label format	State Data

Hint format	<b>__UNIQUE_NAME__</b> __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
StateID	false	Integer	2		true	
StateName	false	String	20		true	
StateCode	false	String	2		true	

Original Function Parameters:  
Component tFileInputDelimited

	UNIQUE NAME	tFileInputDelimited_2	INPUT(S)	none
	LABEL	Customer Data	OUTPUT(S)	tMap_1

Component Parameters:

Properties	Values
Unique Name	tFileInputDelimited_2

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 Software\Talend-Studio-20160704_1411-V6.2.1\configurat
Subjob color	
Title color	
Enable parallel execution	false

Number of parallel executions	2
	false
Property Type	repository: DELIM:CustomerData
File name/Stream	"C:/StudentFiles/DIBasics/RetailCustomers.csv"
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
REPOSITORY_ALLOW_AUTO_SWITCH	false

Schema	Built-In
Schema	Built-In
!!!TEMP_DIR.NAME!!!	"C:/Talend Software/Talend-Studio-20160704_1411-V6.2.1/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	[{TRIM=false, SCHEMA_COLUMN=ID}, {TRIM=false, SCHEMA_COLUMN=CustomerName}, {TRIM=false, SCHEMA_COLUMN=CustomerAddress}, {TRIM=false, SCHEMA_COLUMN=StateID}, {TRIM=false, SCHEMA_COLUMN=RegisterTime}, {TRIM=false, SCHEMA_COLUMN=Sum}]
Check each row structure against schema	false
Check date	false
Encoding	"US-ASCII"
Split row before field	false


Permit hexadecimal (0xNNN) or octal (0NNNN) for numeric types	false
Decode table	[[{DECODE=false, SCHEMA_COLUMN=ID}, {DECODE=false, SCHEMA_COLUMN=CustomerName}, {DECODE=false, SCHEMA_COLUMN=CustomerAddress}, {DECODE=false, SCHEMA_COLUMN=StateID}, {DECODE=false, SCHEMA_COLUMN=RegisterTime}, {DECODE=false, SCHEMA_COLUMN=Sum}]]
!!!DESTINATION.NAME!!!	
Min column number of optimize code	100
Label format	Customer Data
Hint format	<b>__UNIQUE_NAME__</b> __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	
CustomerName	false	String	50		true	

CustomerAddress	false	String	50		true	
StateID	false	Integer			true	
RegisterTime	false	String	23		true	
Sum	false	Float	11	2	true	

**Original Function Parameters:**  
**Component tFileOutputDelimited**

	UNIQUE NAME	tFileOutputDelimited_1	INPUT(S)	tMap_1
	LABEL	Valid State Codes	OUTPUT(S)	none

**Component Parameters:**

Properties	Values
Unique Name	tFileOutputDelimited_1
Component Name	tFileOutputDelimited
Version	0.101 (ALPHA)
Family	File/Output
Startable	false
SUBTREE_START	false
END_OF_FLOW	true
Activate	true

DUMMY	false
tStatCatcher Statistics	false
Help	org.talend.help.tFileOutputDelimited
Update components	true
IREPORT_PATH	
JAVA_LIBRARY_PATH	C:\Talend Software\Talend-Studio-20160704_1411-V6.2.1\configurat
Subjob color	
Title color	
Enable parallel execution	false
Number of parallel executions	2
	false
Property Type	Built-In
Use Output Stream	false
Output Stream	outputStream
File Name	"C:/StudentFiles/DIBasics/OUT/ValidStateCodes.csv"
Row Separator	"\n"



Use OS line separator as row separator when CSV Row Separator is set to CR,LF or CRLF.	true
CSV Row Separator	"\n"
Field Separator	","
Append	false
Include Header	true
Compress as zip file	false
REPOSITORY_ALLOW_AUTO_SWITCH	false
Schema	Built-In
Advanced separator (for numbers)	false
Thousands separator	" "
Decimal separator	"."
CSV options	false
Escape char	""
Text enclosure	""
Create directory if does not exist	true
Split output in several files	false


Rows in each output file	1000
Custom the flush buffer size	false
Row number	1
Output in row mode	false
Encoding	"ISO-8859-15"
Don't generate empty file	false
Min column number of optimize code	90
Label format	Valid State Codes
Hint format	<b>__UNIQUE_NAME__</b> __COMMENT__
Connection format	row
Show Information	false
Comment	
Use an existing validation rule	false
Validation Rule Type	

#### Schema for tFileOutputDelimited\_1 :

Column	Key	Type	Length	Precision	Nullable	Comment
ID	false	Integer			true	

CustomerName	false	String	50		true	
CustomerAddress	false	String	100		true	
StateCode	false	String	2		true	
StateName	false	String	20		true	
RegisterTime	false	String	23		true	
Sum	false	Float	11	2	true	

Original Function Parameters:  
Component **tFileOutputDelimited**

	UNIQUE NAME	tFileOutputDelimited_2	INPUT(S)	tMap_1 , tFileInputDelimited_1
	LABEL	Invalid State Codes	OUTPUT(S)	tLogRow_1

Component Parameters:

Properties	Values
Unique Name	tFileOutputDelimited_2
Component Name	tFileOutputDelimited
Version	0.101 (ALPHA)
Family	File/Output
Startable	false
SUBTREE_START	false

END_OF_FLOW	false
Activate	true
DUMMY	false
tStatCatcher Statistics	false
Help	org.talend.help.tFileOutputDelimited
Update components	true
IREPORT_PATH	
JAVA_LIBRARY_PATH	C:\Talend Software\Talend-Studio-20160704_1411-V6.2.1\configurat
Subjob color	
Title color	
Enable parallel execution	false
Number of parallel executions	2
	false
Property Type	Built-In
Use Output Stream	false
Output Stream	outputStream
File Name	"C:/StudentFiles/DIBasics/OUT/InvalidStateCodes.csv"

Row Separator	"\n"
Use OS line separator as row separator when CSV Row Separator is set to CR,LF or CRLF.	true
CSV Row Separator	"\n"
Field Separator	","
Append	false
Include Header	false
Compress as zip file	false
REPOSITORY_ALLOW_AUTO_SWITCH	false
Schema	Built-In
Advanced separator (for numbers)	false
Thousands separator	","
Decimal separator	"."
CSV options	false
Escape char	""
Text enclosure	""
Create directory if does not exist	true


Split output in several files	false
Rows in each output file	1000
Custom the flush buffer size	false
Row number	1
Output in row mode	false
Encoding	"ISO-8859-15"
Don't generate empty file	false
Min column number of optimize code	90
Label format	Invalid State Codes
Hint format	<b>__UNIQUE_NAME__</b> __COMMENT__
Connection format	row
Show Information	false
Comment	
Use an existing validation rule	false
Validation Rule Type	

#### Schema for tFileOutputDelimited\_2 :

Column	Key	Type	Length	Precision	Nullable	Comment
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ID	false	Integer	2		true	
CustomerName	false	String	50		true	
CustomerAddress	false	String	50		true	
RegisterTime	false	String	23		true	
Sum	false	Float	11	2	true	
StateName	false	String	20		true	
StateCode	false	String	2		true	

Original Function Parameters:  
Component tLogRow

	UNIQUE NAME	tLogRow_1	INPUT(S)	tFileOutputDelimited_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 Software\Talend-Studio-20160704_1411-V6.2.1\configurat
Subjob color	
Title color	
Enable parallel execution	false
Number of parallel executions	2
	false
REPOSITORY_ALLOW_AUTO_SWITCH	false
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	[{LENGTH=10, SCHEMA_COLUMN=ID}, {LENGTH=10, SCHEMA_COLUMN=CustomerName}, {LENGTH=10, SCHEMA_COLUMN=CustomerAddress}, {LENGTH=10, SCHEMA_COLUMN=RegisterTime}, {LENGTH=10, SCHEMA_COLUMN=Sum}, {LENGTH=10, SCHEMA_COLUMN=StateName}, {LENGTH=10, SCHEMA_COLUMN=StateCode}]
Print content with log4j	true
Min column number of optimize code	100
Label format	__UNIQUE_NAME__

Hint format	<b>__UNIQUE_NAME__</b> __COMMENT__
Connection format	row
Show Information	false
Comment	
Use an existing validation rule	false
Validation Rule Type	

Schema for tLogRow\_1 :

Column	Key	Type	Length	Precision	Nullable	Comment
ID	false	Integer	2		true	
CustomerName	false	String	50		true	
CustomerAddress	false	String	50		true	
RegisterTime	false	String	23		true	
Sum	false	Float	11	2	true	
StateName	false	String	20		true	
StateCode	false	String	2		true	

Original Function Parameters:  
Component tMap

	UNIQUE NAME	tMap_1	INPUT(S)	tMap_1 , tFileInputDelimited_1
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	LABEL	UNIQUE_NAME	OUTPUT(S)	tFileOutputDelimited_1 , tFileOutputDelimited_2
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**Component Parameters:**

Properties	Values
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
ID	Integer		true
CustomerName	String		true
CustomerAddress	String		true
StateID	Integer		true
RegisterTime	String		true
Sum	Float		true

**Constraint Table Entries( row1 ):**

Name	Type	Expression	isNullable
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**Mapper table Properties( row2 ):**

Properties	Values
Name	row2
Matching-mode	UNIQUE_MATCH
isMinimized	false
isReject	false
isRejectInnerJoin	false
isInnerJoin	true
expressionFilter	null

**Metadata Table Entries( row2 ):**

Name	Type	Expression	isNullable
StateID	Integer	row1.StateID	true
StateName	String		true
StateCode	String		true

**Constraint Table Entries( row2 ):**

Name	Type	Expression	isNullable
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**Mapper table for tMap\_1 ( output ):****Mapper table Properties( CustomerswithStateName ):**

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

**Metadata Table Entries( CustomerswithStateName ):**

Name	Type	Expression	isNullable
ID	Integer	row1.ID	true
CustomerName	String	row1.CustomerName	true
CustomerAddress	String	row1.CustomerAddress	true
StateCode	String	row2.StateCode	true
StateName	String	row2.StateName	true
RegisterTime	String	row1.RegisterTime	true
Sum	Float	row1.Sum	true

**Constraint Table Entries( CustomerswithStateName ):**

Name	Type	Expression	isNullable
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#### Mapper table Properties( CaptureNullStates ):

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

#### Metadata Table Entries( CaptureNullStates ):

Name	Type	Expression	isNullable
ID	Integer	row1.ID	true
CustomerName	String	row1.CustomerName	true
CustomerAddress	String	row1.CustomerAddress	true
RegisterTime	String	row1.RegisterTime	true
Sum	Float	row1.Sum	true
StateName	String	row2.StateName	true
StateCode	String	row2.StateCode	true

**Constraint Table Entries( CaptureNullStates ):**

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	true
isReject	false
isRejectInnerJoin	false
isInnerJoin	false
expressionFilter	null

**Metadata Table Entries( Var ):**

Name	Type	Expression	isNullable
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**Constraint Table Entries( Var ):**

Name	Type	Expression	isNullable
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