

# talendJobs

Generated by Qlik Talend Cloud Enterprise  
Edition

Project Name	DemoPrep	GENERATION DATE	Mar 3, 2025, 4:07:57 PM
AUTHOR	Dae Wah, Daniel	Qlik Talend Cloud VERSION	8.0.1.20250126_0750-patch

## Summary

[Project Description](#)  
[Description](#)  
[Preview Picture](#)  
[Settings](#)  
[Context List](#)  
[Component List](#)  
[Components Description](#)

## Project Description

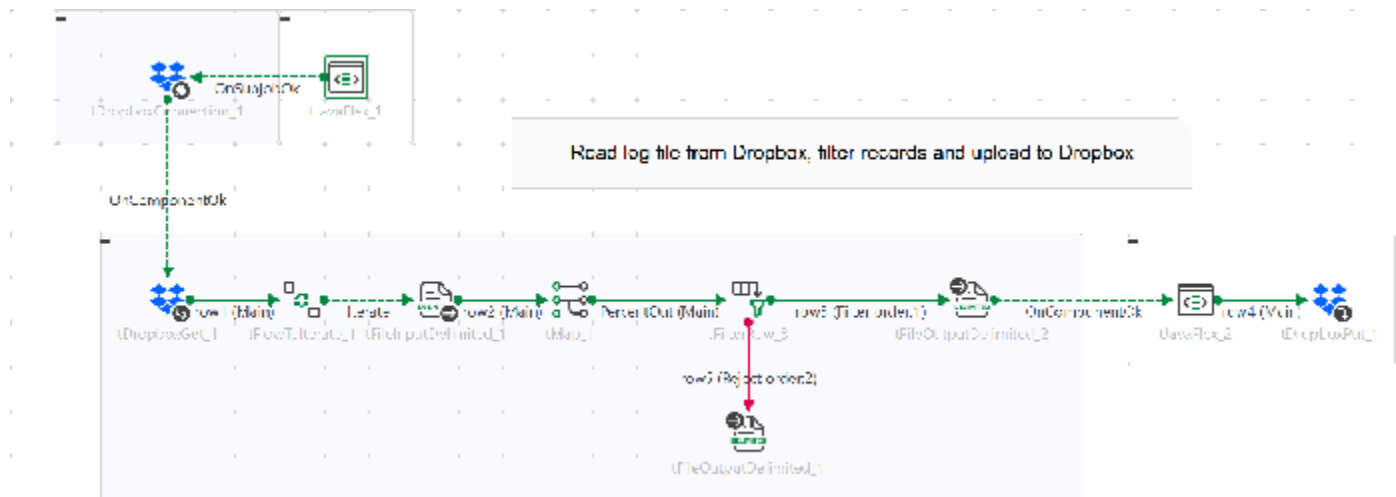
Properties	Values
Name	DemoPrep
Language	java
Description	demo

## Description

Properties	Values
Name	Video_Viewers_Watch_Results_Log_Filter
Author	Dae Wah, Daniel
Version	0.1
Purpose	Main job with movie streaming consumption use case
Status	
Description	This Job connects to Dropbox, downloads, reads and filters a log .csv file and then writes the results back to Dropbox. The following parameters are required:

	<p>## Connection Parameter</p> <ul style="list-style-type: none"> <li>- <i>*connection_dropbox_access_token*</i>: access token of the Dropbox account</li> </ul> <p>## General Parameters</p> <ul style="list-style-type: none"> <li>- <i>*parameter_download_path*</i>: path of the file to be downloaded from Dropbox</li> <li>- <i>*parameter_percent_to_pay_views*</i>: percentage of movie watched above which royalties are due</li> <li>- <i>*parameter_upload_path*</i>: path of the folder on Dropbox</li> </ul>
Creation	Sep 29, 2014, 6:55:55 PM
Modification	Oct 24, 2024, 1:28:07 PM

## 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	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	
parameter_download_path	parameter_download_path?	false	id_String	/Talend/Streaming
parameter_percent_to_pay_views	parameter_percent_to_pay_views?	false	id_Float	0.2
parameter_upload_path	parameter_upload_path?	false	id_String	/Talend/Streaming
connection_dropbox_access_token	connection_dropbox_access_token?	false	id_String	sl.B-uuo1OBzmTiA hgnM0B9P7Yol2b5

### ContextDEV

Name	Prompt	Need Prompt?	Type	
parameter_download_path	parameter_download_path?	false	id_String	/Talend/Streaming
parameter_percent_to_pay_views	parameter_percent_to_pay_views?	false	id_Float	0.2
parameter_upload_path	parameter_upload_path?	false	id_String	/Talend/Streaming
connection_dropbox_access_token	connection_dropbox_access_token?	false	id_String	sl.B-uuo1OBzmTiA hgnM0B9P7Yol2b5

### ContextPROD


Name	Prompt	Need Prompt?	Type	
parameter_download_path	parameter_download_path?	false	id_String	/Talend/Streaming
parameter_percent_to_pay_views	parameter_percent_to_pay_views?	false	id_Float	0.2
parameter_upload_path	parameter_upload_path?	false	id_String	/Talend/Streaming
connection_dropbox_access_token	connection_dropbox_access_token?	false	id_String	sl.B-uuo1OBzmTiA hgnM0B9P7Yol2b5

## Component List

Component Name	Component Type
<a href="#">tDropboxConnection_1</a>	tDropboxConnection
<a href="#">tDropboxGet_1</a>	tDropboxGet
<a href="#">tDropboxPut_1</a>	tDropboxPut
<a href="#">tFileInputDelimited_1</a>	tFileInputDelimited
<a href="#">tFileOutputDelimited_1</a>	tFileOutputDelimited
<a href="#">tFileOutputDelimited_2</a>	tFileOutputDelimited
<a href="#">tFilterRow_3</a>	tFilterRow
<a href="#">tFlowTolterate_1</a>	tFlowTolterate
<a href="#">tJavaFlex_1</a>	tJavaFlex
<a href="#">tJavaFlex_2</a>	tJavaFlex
<a href="#">tMap_1</a>	tMap

## Components Description

### Component tDropboxConnection


	UNIQUE NAME	tDropboxConnection_1	INPUT(S)	<a href="#">tJavaFlex_1</a>
	LABEL	__UNIQUE_NAME__	OUTPUT(S)	<a href="#">tDropboxGet_1</a>

### Component Parameters:

Properties	Values
Unique Name	tDropboxConnection_1
Component Name	tDropboxConnection
Version	0.102 (ALPHA)
Family	Cloud/Dropbox
Start	false
Startable	true
SUBTREE_START	true
END_OF_FLOW	true
Activate	true
DUMMY	false
tStatCatcher Statistics	false
Help	org.talend.help.tDropboxConnection
Update components	true
IREPORT_PATH	
JAVA_LIBRARY_PATH	C:\Talend\8.0.1\studio\configuration\lib\java
Subjob color	
Subjob header color	
Enable parallel execution	false
Number of parallel executions	2
PARALLELIZE_KEEP_EMPTY	false
Access Token	context.connection_dropbox_access_token
Use HTTP Proxy	false
Proxy Host	"192.20.1.160"
Proxy Port	1090
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	

## Original Function Parameters:

### Component tDropboxGet

	UNIQUE NAME	tDropboxGet_1	INPUT(S)	<a href="#">tDropboxConnection_1</a>
	LABEL	__UNIQUE_NAME__	OUTPUT(S)	<a href="#">tFlowTolterate_1</a>

## Component Parameters:


Properties	Values
Unique Name	tDropboxGet_1
Component Name	tDropboxGet
Version	0.102 (ALPHA)
Family	Cloud/Dropbox
Start	false
Startable	true
SUBTREE_START	true
END_OF_FLOW	false
Activate	true
DUMMY	false
tStatCatcher Statistics	false
Help	org.talend.help.tDropboxGet
Update components	true
IREPORT_PATH	
JAVA_LIBRARY_PATH	C:\Talend\8.0.1\studio\configuration\lib\java
Subjob color	
Subjob header color	
Enable parallel execution	false
Number of parallel executions	2
PARALLELIZE_KEEP_EMPTY	false
Use Existing Connection	true
CONNECTION	tDropboxConnection_1
Access Token	""
Use HTTP Proxy	false
Proxy Host	"127.0.0.1"
Proxy Port	8087
Path	context.parameter_download_path
Save As File	false
Save To	""
REPOSITORY_ALLOW_AUTO_SWITCH	true
Schema	Built-In
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 tDropboxGet\_1 :

Column	Key	Type	Length	Precision	Nullable	Comment
fileName	false	String			true	
content	false	Object			true	

## Original Function Parameters:

### Component tDropboxPut

	UNIQUE NAME	tDropboxPut_1	INPUT(S)	<a href="#">tJavaFlex_2</a>
---	-------------	---------------	----------	-----------------------------

	LABEL	__UNIQUE_NAME__	OUTPUT(S)	none
--	-------	-----------------	-----------	------

## Component Parameters:


Properties	Values
Unique Name	tDropboxPut_1
Component Name	tDropboxPut
Version	0.102 (ALPHA)
Family	Cloud/Dropbox
Start	false
Startable	true
SUBTREE_START	false
END_OF_FLOW	true
Activate	true
DUMMY	false
tStatCatcher Statistics	false
Help	org.talend.help.tDropboxPut
Update components	true
IREPORT_PATH	
JAVA_LIBRARY_PATH	C:\Talend\8.0.1\studio\configuration\lib\java
Subjob color	
Subjob header color	
Enable parallel execution	false
Number of parallel executions	2
PARALLELIZE_KEEP_EMPTY	false
Use Existing Connection	true
CONNECTION	tDropboxConnection_1
Access Token	""
Use HTTP Proxy	false
Proxy Host	"127.0.0.1"
Proxy Port	8087
Path(File Only)	context.parameter_upload_path
Rename if Existing	false
Replace if Existing	true
Update specified Revision	false
Revision	""
Upload Incoming content as File	true
Upload Local File	false
Expose As OutputStream	false
File	"C:/Talend/6.2.1/studio/workspace/success.csv"
REPOSITORY_ALLOW_AUTO_SWITCH	true
Schema	Built-In
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 tDropboxPut\_1 :

Column	Key	Type	Length	Precision	Nullable	Comment
content	false	Object			true	

## Original Function Parameters:

### Component tFileInputDelimited

	UNIQUE NAME	tFileInputDelimited_1	INPUT(S)	<a href="#">tFlowTolterate_1</a>
	LABEL	__UNIQUE_NAME__	OUTPUT(S)	<a href="#">tMap_1</a>

## 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\8.0.1\studio\configuration\lib\java
Subjob color	
Subjob header color	
Enable parallel execution	false
Number of parallel executions	2
PARALLELIZE_KEEP_EMPTY	false
Property Type	Built-In
REPOSITORY_ALLOW_AUTO_SCHEMA	true
Schema	Built-In
Use existing dynamic	false
Component List	
File name/Stream	((Object)globalMap.get("row1.content"))
CSV options	true
Row Separator	"\n"
CSV Row Separator	"\n"
Field Separator	","
Escape char	""
Text enclosure	""
Header	1
Footer	0
Limit	
Skip empty rows	true
Uncompress as zip file	false
Die on error	false
Schema	Built-In
Temporary directory	"C:/Talend/6.2.1/studio/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=customerId, TRIM=false), (SCHEMA_COLUMN=movieId, TRIM=false), (SCHEMA_COLUMN=movieDurationMinutes, TRIM=false), (SCHEMA_COLUMN=MinutesWatched, TRIM=false)}}
Check each row structure against schema	false
Check date	false
Encoding	"ISO-8859-15"
Split row before field	false
Permit hexadecimal (0xNNN) or octal (0NNNN) for numeric types (clear the check box to read Byte type as octal and hexadecimal numbers by default)	false
Decode table	{{(SCHEMA_COLUMN=customerId, DECODE=false), (SCHEMA_COLUMN=movieId, DECODE=false), (SCHEMA_COLUMN=movieDurationMinutes, DECODE=false), (SCHEMA_COLUMN=MinutesWatched, DECODE=false)}}


	vieID, DECODE=false}, {SCHEMA_COLUMN=movieDurationMinutes, DECODE=false}, {SCHEMA_COLUMN=MinutesWatched, DECODE=false}]
Destination	
Use Header As Is	false
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 metadata :

Column	Key	Type	Length	Precision	Nullable	Comment
customerId	false	Integer	4		true	
movieID	false	Integer	4		true	
movieDurationMinutes	false	Integer	3		true	
MinutesWatched	false	Integer	3		true	

### Original Function Parameters:

#### Component tFileOutputDelimited

	UNIQUE NAME	tFileOutputDelimited_1	INPUT(S)	<a href="#">tFilterRow_3</a>
	LABEL	__ UNIQUE_NAME __	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\8.0.1\studio\configuration\lib\java
Subjob color	
Subjob header color	
Enable parallel execution	false
Number of parallel executions	2
PARALLELIZE_KEEP_EMPTY	false
Property Type	Built-In
Use Output Stream	false
Output Stream	outputStream
File Name	"C:/Temp/rejectVideo.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_SCHEMA_SWITCH	true
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
Throw an error if the file already exist	false
Min column number of optimize code	90
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 metadata :

Column	Key	Type	Length	Precision	Nullable	Comment
customerId	false	Integer	2		true	
movieID	false	Integer	4		true	
movieDurationMinutes	false	Integer	3		true	
PercentWatched	false	float	2		false	
errorMessage	false	String	255		true	

### Original Function Parameters:

#### Component tFileOutputDelimited

	UNIQUE NAME	tFileOutputDelimited_2	INPUT(S)	<a href="#">tFilterRow_3</a>
	LABEL	__ UNIQUE_NAME __	OUTPUT(S)	<a href="#">tJavaFlex_2</a>

### 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	true
Activate	true
DUMMY	false
tStatCatcher Statistics	false
Help	org.talend.help.tFileOutputDelimited
Update components	true

IREPORT_PATH	
JAVA_LIBRARY_PATH	C:\Talend\8.0.1\studio\configuration\lib\java
Subjob color	
Subjob header color	
Enable parallel execution	false
Number of parallel executions	2
PARALLELIZE_KEEP_EMPTY	false
Property Type	Built-In
Use Output Stream	true
Output Stream	((java.io.OutputStream)globalMap.get("excel_output_stream"))
File Name	"C:/Talend/6.2.1/studio/workspace/success.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	true
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
Throw an error if the file already exist	false
Min column number of optimize code	90
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 metadata :

Column	Key	Type	Length	Precision	Nullable	Comment
customerId	false	Integer	2		true	
movieID	false	Integer	4		true	
movieDurationMinutes	false	Integer	3		true	
PercentWatched	false	float	2		false	

### Original Function Parameters:

#### Component tFilterRow

	UNIQUE NAME	tFilterRow_3	INPUT(S)	<a href="#">tMap_1</a>
---	-------------	--------------	----------	------------------------

	LABEL	__UNIQUE_NAME__	OUTPUT(S)	<a href="#">tFileOutputDelimited_2</a> , <a href="#">tFileOutputDelimited_1</a>
--	-------	-----------------	-----------	---

## Component Parameters:


Properties	Values
Unique Name	tFilterRow_3
Component Name	tFilterRow
Version	0.102 (ALPHA)
Family	Processing
Startable	false
SUBTREE_START	false
END_OF_FLOW	false
Activate	true
DUMMY	false
tStatCatcher Statistics	false
Help	org.talend.help.tFilterRow
Update components	true
IREPORT_PATH	
JAVA_LIBRARY_PATH	C:\Talend\8.0.1\studio\configuration\lib\java
Subjob color	
Subjob header 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
Schema	Built-In
Logical operator used to combine conditions	&&
Conditions	{{INPUT_COLUMN=PercentWatched, FUNCTION=Math.abs(\$source) \$operator \$target, OPERATOR=>, RVALUE=context.parameter_percent_to_pay_views}}
Use advanced mode	false
Advanced	// code sample : use input_row to define the condition. // input_row.columnName1.equals("foo")   !(input_row.columnName2.equals("bar")) // replace the following expression by your own filter condition input_row.columnName1.equals(input_row.columnName2)
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 metadata :

Column	Key	Type	Length	Precision	Nullable	Comment
customerId	false	Integer	2		true	
movieID	false	Integer	4		true	
movieDurationMinutes	false	Integer	3		true	
PercentWatched	false	float	2		false	

## Original Function Parameters:

### Component tFlowTolterate

	UNIQUE NAME	tFlowTolterate_1	INPUT(S)	<a href="#">tDropboxGet_1</a>
	LABEL	__UNIQUE_NAME__	OUTPUT(S)	<a href="#">tFileInputDelimited_1</a>

## Component Parameters:


Properties	Values
Unique Name	tFlowTolterate_1
Component Name	tFlowTolterate
Version	0.101 (ALPHA)
Family	Orchestration
Startable	false
SUBTREE_START	false
END_OF_FLOW	true
Activate	true
DUMMY	false
tStatCatcher Statistics	false
Help	org.talend.help.tFlowTolterate
Update components	true
IREPORT_PATH	
JAVA_LIBRARY_PATH	C:\Talend\8.0.1\studio\configuration\lib\java
Subjob color	
Subjob header color	
Enable parallel execution	false
Number of parallel executions	2
PARALLELIZE_KEEP_EMPTY	false
Use the default (key, value) in global variables.	true
Customize	[]
Schema	Built-In
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 tFlowTolterate\_1 :

Column	Key	Type	Length	Precision	Nullable	Comment
--------	-----	------	--------	-----------	----------	---------

### Original Function Parameters:

#### Component tJavaFlex

	UNIQUE NAME	tJavaFlex_1	INPUT(S)	none
	LABEL	__UNIQUE_NAME__	OUTPUT(S)	<a href="#">tDropboxConnection_1</a>

### Component Parameters:

Properties	Values
Unique Name	tJavaFlex_1
Component Name	tJavaFlex
Version	0.101 (ALPHA)
Family	Custom_Code
Start	true
Startable	true
SUBTREE_START	true
END_OF_FLOW	true
Activate	true
DUMMY	false
tStatCatcher Statistics	false
Help	org.talend.help.tJavaFlex
Update components	true
IREPORT_PATH	
JAVA_LIBRARY_PATH	C:\Talend\8.0.1\studio\configuration\lib\java
Subjob color	
Subjob header color	


Enable parallel execution	false
Number of parallel executions	2
PARALLELIZE_KEEP_EMPTY	false
REPOSITORY_ALLOW_AUTO_SWITCH	true
Schema	Built-In
Data Auto Propagate	true
Start code	// start part of your Java code
Main code	// here is the main part of the component, // a piece of code executed in the row // loop java.io.OutputStream excel_out = new java.io.ByteArrayOutputStream(); globalMap.put("excel_output_stream", excel_out);
End code	// end of the component, outside/closing the loop
TOS2.0	false
TOS3.2	false
TOS4.0	true
Import	//import java.util.List;
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 tJavaFlex\_1 :

Column	Key	Type	Length	Precision	Nullable	Comment
--------	-----	------	--------	-----------	----------	---------

### Original Function Parameters:

#### Component tJavaFlex

	UNIQUE NAME	tJavaFlex_2	INPUT(S)	<a href="#">tFileOutputDelimited_2</a>
	LABEL	__ UNIQUE_NAME __	OUTPUT(S)	<a href="#">tDropboxPut_1</a>

### Component Parameters:

Properties	Values
Unique Name	tJavaFlex_2
Component Name	tJavaFlex
Version	0.101 (ALPHA)
Family	Custom_Code
Start	false
Startable	true
SUBTREE_START	true
END_OF_FLOW	false
Activate	true
DUMMY	false
tStatCatcher Statistics	false
Help	org.talend.help.tJavaFlex
Update components	true
IREPORT_PATH	
JAVA_LIBRARY_PATH	C:\Talend\8.0.1\studio\configuration\lib\java
Subjob color	
Subjob header color	
Enable parallel execution	false
Number of parallel executions	2
PARALLELIZE_KEEP_EMPTY	false
REPOSITORY_ALLOW_AUTO_SWITCH	true
Schema	Built-In
Data Auto Propagate	true
Start code	// start part of your Java code


Main code	// here is the main part of the component, // a piece of code executed in the row // loop java.io.ByteArrayOutputStream baos = (java.io.ByteArrayOutputStream) g lobalMap.get("excel_output_stream"); baos.flush(); java.io.ByteArrayInputStrea m bais = new java.io.ByteArrayInputStream(baos.toByteArray()); row4.content = bais;
End code	// end of the component, outside/closing the loop
TOS2.0	false
TOS3.2	false
TOS4.0	true
Import	//import java.util.List;
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 tJavaFlex\_2 :

Column	Key	Type	Length	Precision	Nullable	Comment
content	false	Object			true	

### Original Function Parameters:

#### Component tMap

	UNIQUE NAME	tMap_1	INPUT(S)	<a href="#">tFileInputDelimited_1</a>
	LABEL	__ UNIQUE_NAME __	OUTPUT(S)	<a href="#">tFilterRow_3</a>

### Component Parameters:

Properties	Values
tStatCatcher Statistics	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( row2 ):

Properties	Values
Name	row2
Matching-mode	UNIQUE_MATCH
isMinimized	false

isReject	false
isRejectInnerJoin	false
isInnerJoin	false
expressionFilter	null

#### Metadata Table Entries( row2 ):

Name	Type	Expression	isNullable
customerId	Integer		true
movieID	Integer		true
movieDurationMinutes	Integer		true
MinutesWatched	Integer		true

#### Constraint Table Entries( row2 ):

Name	Type	Expression	isNullable
------	------	------------	------------

#### Mapper table for tMap\_1 ( output ):

##### Mapper table Properties( PercentOut ):

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

#### Metadata Table Entries( PercentOut ):

Name	Type	Expression	isNullable
customerId	Integer	row2.customerId	true
movieID	Integer	row2.movieID	true
movieDurationMinutes	Integer	row2.movieDurationMinutes	true
PercentWatched	float	(float)row2.MinutesWatched / (float)row2.movieDurationMinutes	false

#### Constraint Table Entries( PercentOut ):

Name	Type	Expression	isNullable
------	------	------------	------------

#### 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
------	------	------------	------------

**Constraint Table Entries( Var ):**

Name	Type	Expression	isNullable
------	------	------------	------------