talend

Jobs

First Trust Portfolios   Generated by Talend Cloud API Services Platform

Project Name	TalendFTP	GENERATION DATE	Apr 18, 2022, 2:37:15 PM
AUTHOR	Thompson, Andrew	Talend Cloud VERSION	8.0.1.20220412_1227-patch

Summary

Project Description
Description
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Project Description

Properties	Values
Name	TalendFTP
Language	java

Description	

Description

Properties	Values
Name	BNYNexenBasket_JavaForGZIP
Author	Thompson, Andrew
Version	0.1
Purpose	
Status	
Description	
Creation	Apr 5, 2022, 11:03:52 AM
Modification	Apr 18, 2022, 2:37:15 PM

Preview Picture
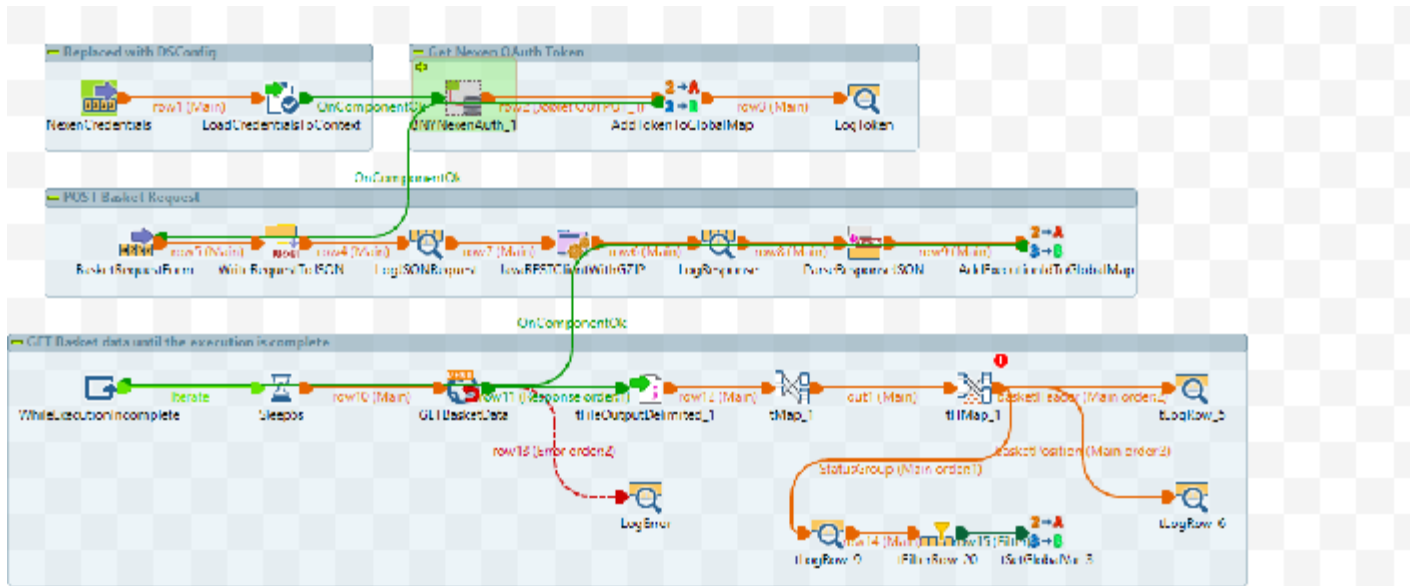
Settings

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	Value	Source
nexenUser	nexenUser?	false	id_String		
nexenPassword	nexenPassword?	false	id_String		
truststore	truststore?	false	id_Resource	_3awokLZ8Eeyfl-jwQVZPQQ|Latest	
keystore	keystore?	false	id_Resource	_7T9uwLZ8Eeyfl-jwQVZPQQ|Latest	
keystorePKCS	keystorePKCS?	false	id_Resource	_C31hILaDEeynWvBWR9-tFw|Latest	
truststoreJKS	truststoreJKS?	false	id_Resource	_MIJHgLaGEeynWvBWR9-tFw|Latest	

Component List

Component Name	Component Type
BNYNexenAuth_1	BNYNexenAuth
tContextLoad_1	tContextLoad
tExtractJSONFields_1	tExtractJSONFields
tFileOutputDelimited_1	tFileOutputDelimited
tFilterRow_20	tFilterRow
tFixedFlowInput_1	tFixedFlowInput
tFixedFlowInput_2	tFixedFlowInput
tHMap_1	tHMap
tJavaFlex_1	tJavaFlex
tLogRow_1	tLogRow
tLogRow_2	tLogRow
tLogRow_3	tLogRow
tLogRow_5	tLogRow
tLogRow_6	tLogRow

tLogRow_7	tLogRow
tLogRow_9	tLogRow
tLoop_1	tLoop
tMap_1	tMap
tRESTClient_1	tRESTClient
tSetGlobalVar_1	tSetGlobalVar
tSetGlobalVar_2	tSetGlobalVar
tSetGlobalVar_3	tSetGlobalVar
tSleep_1	tSleep
tWriteJSONField_1	tWriteJSONField

Components Description

Component tContextLoad

	UNIQUE NAME	tContextLoad_1	INPUT(S)	tFixedFlowInput_1
	LABEL	LoadCredentialsToContext	OUTPUT(S)	BNYNexenAuth_1

Component Parameters:

Properties	Values
Unique Name	tContextLoad_1

Component Name	tContextLoad
Version	0.101 (ALPHA)
Family	Misc
Startable	false
SUBTREE_START	false
END_OF_FLOW	true
Activate	true
DUMMY	false
tStatCatcher Statistics	false
Help	org.talend.help.tContextLoad
Update components	true
IREPORT_PATH	
JAVA_LIBRARY_PATH	D:\Talend-Studio\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
If a variable loaded, but not in the context	Warning
If a variable in the context, but not loaded	Warning

Print operations	false
Disable errors	false
Disable warnings	true
Disable info	true
Die on error	false
Label format	LoadCredentialsToContext
Hint format	__UNIQUE_NAME__ __COMMENT__
Connection format	row
Show Information	false
Comment	
Use an existing validation rule	false
Validation Rule Type	

Schema for tContextLoad_1 :

Column	Key	Type	Length	Precision	Nullable	Comment
key	false	String	255		true	
value	false	String	255		true	

Original Function Parameters:
Component   tExtractJSONFields

	UNIQUE NAME	tExtractJSONFields_1	INPUT(S)	tLogRow_2
	LABEL	ParseResponseJSON	OUTPUT(S)	tSetGlobalVar_2

Component Parameters:

Properties	Values
Unique Name	tExtractJSONFields_1
Component Name	tExtractJSONFields
Version	0.102 (ALPHA)
Family	Processing/Fields
Startable	false
SUBTREE_START	false
END_OF_FLOW	false
Activate	true
DUMMY	false
tStatCatcher Statistics	false
Help	org.talend.help.tExtractJSONFields
Update components	true
IREPORT_PATH	
JAVA_LIBRARY_PATH	D:\Talend-Studio\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	Built-In
Read By	JSONPATH
API version	2_1_0
JSON field	content
Loop XPath query	"$.data[*]"
Loop Jsonpath query	"$.data[*]"
Mapping	[{SCHEMA_COLUMN=status, QUERY="$.metadata.status", NODECHECK=, ISARRAY=}, {SCHEMA_COLUMN=responseId, QUERY="$.metadata.responseId", NODECHECK=, ISARRAY=}, {SCHEMA_COLUMN=description, QUERY="$.metadata.description", NODECHECK=, ISARRAY=}, {SCHEMA_COLUMN=executionId, QUERY="executionId", NODECHECK=, ISARRAY=}]
Mapping	[{SCHEMA_COLUMN=status, QUERY="$.metadata.status"}, {SCHEMA_COLUMN=responseId, QUERY="$.metadata.responseId"}, {SCHEMA_COLUMN=description, QUERY="$.metadata.description"}, {SCHEMA_COLUMN=executionId, QUERY="executionId"}]
Die on error	false
Schema	Built-In
!!!SCHEMA_OPT_NUM.NAME!!!	100
!!!DESTINATION.NAME!!!	tExtractJSONFields_1
Encoding	"UTF-8"
Use the loop node as root	false
!!!SPLIT_LIST.NAME!!!	true
Label format	ParseResponseJSON
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
status	false	String			true	
responseId	false	String			true	
description	false	String			true	
executionId	false	String			true	

Original Function Parameters:
Component   tFileOutputDelimited

	UNIQUE NAME	tFileOutputDelimited_1	INPUT(S)	tRESTClient_1
	LABEL	__UNIQUE_NAME__	OUTPUT(S)	tMap_1

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	false
Activate	true
DUMMY	false
tStatCatcher Statistics	false
Help	org.talend.help.tFileOutputDelimited
Update components	true
IREPORT_PATH	
JAVA_LIBRARY_PATH	D:\Talend-Studio\configuration\lib\java
Subjob color	
Title 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:/Users/student/Desktop/OpenFIGI/TestCases/out.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	true

Include Header	false
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	true
Min column number of optimize code	90
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 tFileOutputDelimited_1 :

Column	Key	Type	Length	Precision	Nullable	Comment
statusCode	false	Integer			true	
body	false	Document			true	
string	false	String	4048		true	

Original Function Parameters:
Component   tFilterRow

	UNIQUE NAME	tFilterRow_20	INPUT(S)	tLogRow_9
	LABEL	__UNIQUE_NAME__	OUTPUT(S)	tSetGlobalVar_3

Component Parameters:

Properties	Values
Unique Name	tFilterRow_20
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	D:\Talend-Studio\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
Schema	Built-In
Logical operator used to combine conditions	&&
Conditions	[{INPUT_COLUMN=Status, FUNCTION=, OPERATOR====, RVALUE="Success"}]
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	__UNIQUE_NAME__ __COMMENT__
Connection format	row
Show Information	false
Comment	
Use an existing validation rule	false
Validation Rule Type	

Schema for tFilterRow_20 :

Column	Key	Type	Length	Precision	Nullable	Comment
Status	false	String			true	

Original Function Parameters:
Component   tFixedFlowInput

	UNIQUE NAME	tFixedFlowInput_1	INPUT(S)	none
	LABEL	NexenCredentials	OUTPUT(S)	tContextLoad_1

Component Parameters:

Properties	Values
Unique Name	tFixedFlowInput_1
Component Name	tFixedFlowInput
Version	0.102 (ALPHA)

Family	Misc
Start	true
Startable	true
SUBTREE_START	true
END_OF_FLOW	false
Activate	true
DUMMY	false
tStatCatcher Statistics	false
Help	org.talend.help.tFixedFlowInput
Update components	true
IREPORT_PATH	
JAVA_LIBRARY_PATH	D:\Talend-Studio\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
Number of rows	1
Use Single Table	false
Values	[{SCHEMA_COLUMN=key, VALUE=}, {SCHEMA_COLUMN=value, VALUE=}]

Use Inline Table	true
Inline Table	[{value="q2QpHCYtna9NURmajqaSGfEZMkMa", key="nexenUser"}, {value="r44jdkQqK619MFobVZIb8XeLyrUa", key="nexenPassword"}]
Use Inline Content(delimited file)	false
Row Separator	"\n"
Field Separator	";"
Content	
Label format	NexenCredentials
Hint format	__UNIQUE_NAME__ __COMMENT__
Connection format	row
Show Information	false
Comment	
Use an existing validation rule	false
Validation Rule Type	

Schema for tFixedFlowInput_1 :

Column	Key	Type	Length	Precision	Nullable	Comment
key	false	String			true	
value	false	String			true	

Original Function Parameters:
Component   tFixedFlowInput

	UNIQUE NAME	tFixedFlowInput_2	INPUT(S)	tSetGlobalVar_1
	LABEL	BasketRequestForm	OUTPUT(S)	tWriteJSONField_1

Component Parameters:

Properties	Values
Unique Name	tFixedFlowInput_2
Component Name	tFixedFlowInput
Version	0.102 (ALPHA)
Family	Misc
Start	false
Startable	true
SUBTREE_START	true
END_OF_FLOW	false
Activate	true
DUMMY	false
tStatCatcher Statistics	false
Help	org.talend.help.tFixedFlowInput
Update components	true
IREPORT_PATH	
JAVA_LIBRARY_PATH	D:\Talend-Studio\configuration\lib\java
Subjob color	
Title color	
Enable parallel execution	false
Number of parallel executions	2
PARALLELIZE_KEEP_EMPTY	false

REPOSITORY_ALLOW_AUTO_SWITCH	
Schema	Built-In
Number of rows	1
Use Single Table	true
Values	[{SCHEMA_COLUMN=view, VALUE="combined"}, {SCHEMA_COLUMN=fromDate, VALUE="2022-03-21"}, {SCHEMA_COLUMN=toDate, VALUE="2022-03-23"}, {SCHEMA_COLUMN=etfIssuerIdentifier, VALUE="11"}, {SCHEMA_COLUMN=etfIssuerIdentifierType, VALUE="uniqueEpicIssuerId"}, {SCHEMA_COLUMN=fundIdentifier, VALUE="GRID"}, {SCHEMA_COLUMN=fundIdentifierType, VALUE="etfTradingTicker"}]
Use Inline Table	false
Inline Table	[]
Use Inline Content(delimited file)	false
Row Separator	"\n"
Field Separator	";"
Content	
Label format	BasketRequestForm
Hint format	__UNIQUE_NAME__ __COMMENT__
Connection format	row
Show Information	false
Comment	
Use an existing validation rule	false
Validation Rule Type	

Schema for tFixedFlowInput_2 :

Column	Key	Type	Length	Precision	Nullable	Comment

view	false	String				true	
fromDate	false	String				true	
toDate	false	String				true	
etfIssuerIdentifier	false	String				true	
etfIssuerIdentifierType	false	String				true	
fundIdentifier	false	String				true	
fundIdentifierType	false	String				true	

Original Function Parameters:
Component   tJavaFlex

	UNIQUE NAME	tJavaFlex_1	INPUT(S)	tLogRow_3
	LABEL	JavaRESTClientWithGZIP	OUTPUT(S)	tLogRow_2

Component Parameters:

Properties	Values
Unique Name	tJavaFlex_1
Component Name	tJavaFlex
Version	0.101 (ALPHA)
Family	Custom_Code
Start	false
Startable	true
SUBTREE_START	false

END_OF_FLOW	false
Activate	true
DUMMY	false
tStatCatcher Statistics	false
Help	org.talend.help.tJavaFlex
Update components	true
IREPORT_PATH	
JAVA_LIBRARY_PATH	D:\Talend-Studio\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
Data Auto Propagate	true
Start code	URL url = new URL("https://apigateway.bnymellon.com/etfdataservices/v1/baskets"); HttpURLConnection con = (HttpURLConnection) url.openConnection(); System.out.println("Opened connection"); con.setRequestMethod("POST"); con.setRequestProperty("Authorization", "Bearer " + (String)globalMap.get("token")); con.setRequestProperty("Content-Type", "application/json; utf-8"); con.setRequestProperty("Accept", "application/json"); con.setDoOutput(true); System.out.println("configured");

Main code	// here is the main part of the component, // a piece of code executed in the row // loop try(OutputStream os = con.getOutputStream()) { byte[] input = row7.jsonString.getBytes("utf-8"); os.write(input, 0, input.length); } System.out.println("POSTed request content"); // Store ResponseCode int status = con.getResponseCode(); System.out.println("Content-Encoding: " + con.getHeaderField("Content-Encoding")); // Inflat gzip stream (the API response content is gziped) GZIPInputStream gzis = new GZIPInputStream(con.getInputStream()); InputStreamReader reader = new InputStreamReader(gzis); BufferedReader in = new BufferedReader(reader); // Send the output to next component, line by line String reader; row6.content = ""; while ((readed = in.readLine()) != null) { row6.content += readed; } row6.responseCode = status;
End code	// end of the component, outside/closing the loop
TOS2.0	false
TOS3.2	false
TOS4.0	true
Import	import java.util.zip.GZIPInputStream; import java.io.InputStreamReader; import java.io.BufferedReader; import java.net.HttpURLConnection; import java.net.URL; import java.io.OutputStream;
Label format	JavaRESTClientWithGZIP
Hint format	__UNIQUE_NAME__ __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
responseCode	false	Integer			true	
content	false	String			true	

Original Function Parameters:

Component   tLogRow

	UNIQUE NAME	tLogRow_1	INPUT(S)	tSetGlobalVar_1
	LABEL	LogToken	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	D:\Talend-Studio\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	true
Table (print values in cells of a table)	false
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=access_token, LENGTH=10}, {SCHEMA_COLUMN=scope, LENGTH=10}, {SCHEMA_COLUMN=token_type, LENGTH=10}, {SCHEMA_COLUMN=expires_in, LENGTH=10}]
Print content with log4j	true
Min column number of optimize code	100
Label format	LogToken
Hint format	__UNIQUE_NAME__ __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
access_token	false	String	40		true	
scope	false	String	3		true	
token_type	false	String	6		true	
expires_in	false	Integer	4		true	

Original Function Parameters:
Component   tLogRow

	UNIQUE NAME	tLogRow_2	INPUT(S)	tJavaFlex_1
	LABEL	LogResponse	OUTPUT(S)	tExtractJSONFields_1

Component Parameters:

Properties	Values
Unique Name	tLogRow_2
Component Name	tLogRow
Version	0.101 (ALPHA)

Family	Logs_Errors
Startable	false
SUBTREE_START	false
END_OF_FLOW	false
Activate	true
DUMMY	false
tStatCatcher Statistics	false
Help	org.talend.help.tLogRow
Update components	true
IREPORT_PATH	
JAVA_LIBRARY_PATH	D:\Talend-Studio\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	true
Table (print values in cells of a table)	false
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=responseCode, LENGTH=10}, {SCHEMA_COLUMN=content, LENGTH=10}]
Print content with log4j	true
Min column number of optimize code	100
Label format	LogResponse
Hint format	__UNIQUE_NAME__ __COMMENT__
Connection format	row
Show Information	false
Comment	
Use an existing validation rule	false
Validation Rule Type	

Schema for tLogRow_2 :

Column	Key	Type	Length	Precision	Nullable	Comment
responseCode	false	Integer			true	

content	false	String			true	

Original Function Parameters:
Component   tLogRow

	UNIQUE NAME	tLogRow_3	INPUT(S)	tWriteJSONField_1
	LABEL	LogJSONRequest	OUTPUT(S)	tJavaFlex_1

Component Parameters:

Properties	Values
Unique Name	tLogRow_3
Component Name	tLogRow
Version	0.101 (ALPHA)
Family	Logs_Errors
Startable	false
SUBTREE_START	false
END_OF_FLOW	false
Activate	true
DUMMY	false
tStatCatcher Statistics	false
Help	org.talend.help.tLogRow
Update components	true
IREPORT_PATH	
JAVA_LIBRARY_PATH	D:\Talend-Studio\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	true
Table (print values in cells of a table)	false
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=jsonString, LENGTH=10}]
Print content with log4j	true
Min column number of optimize code	100

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

Schema for tLogRow_3 :

Column	Key	Type	Length	Precision	Nullable	Comment
jsonString	false	String			true	

Original Function Parameters:
Component   tLogRow

	UNIQUE NAME	tLogRow_5	INPUT(S)	tHMap_1
	LABEL	__UNIQUE_NAME__	OUTPUT(S)	none

Component Parameters:

Properties	Values
Unique Name	tLogRow_5
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	D:\Talend-Studio\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	repository: GENERIC:BasketHeader - metadata
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=BasketCUSIP, LENGTH=10}, {SCHEMA_COLUMN=FundTicker, LENGTH=10}, {SCHEMA_COLUMN=Details, 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
BasketCUSIP	false	String			true	
FundTicker	false	String			true	
Details	false	String			true	

Original Function Parameters:
Component   tLogRow

	UNIQUE NAME	tLogRow_6	INPUT(S)	tHMap_1
	LABEL	__UNIQUE_NAME__	OUTPUT(S)	none

Component Parameters:

Properties	Values
Unique Name	tLogRow_6
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	D:\Talend-Studio\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	repository: GENERIC:BasketPosition - metadata
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=BasketCUSIP, LENGTH=10}, {SCHEMA_COLUMN=FIGI, LENGTH=10}, {SCHEMA_COLUMN=Price, 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
BasketCUSIP	false	String			true	
FIGI	false	String			true	
Price	false	Double			true	

Original Function Parameters:
Component   tLogRow

	UNIQUE NAME	tLogRow_7	INPUT(S)	tRESTClient_1
	LABEL	LogError	OUTPUT(S)	none

Component Parameters:

Properties	Values
Unique Name	tLogRow_7
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	D:\Talend-Studio\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	true
Table (print values in cells of a table)	false
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=errorCode, LENGTH=10}, {SCHEMA_COLUMN=errorMessage, LENGTH=10}]
Print content with log4j	true
Min column number of optimize code	100
Label format	LogError
Hint format	__UNIQUE_NAME__ __COMMENT__
Connection format	row
Show Information	false
Comment	
Use an existing validation rule	false
Validation Rule Type	

Schema for tLogRow_7 :

Column	Key	Type	Length	Precision	Nullable	Comment
errorCode	false	Integer			true	
errorMessage	false	String	1024		true	

Original Function Parameters:
Component   tLogRow

	UNIQUE NAME	tLogRow_9	INPUT(S)	tHMap_1
	LABEL	__UNIQUE_NAME__	OUTPUT(S)	tFilterRow_20

Component Parameters:

Properties	Values
Unique Name	tLogRow_9
Component Name	tLogRow
Version	0.101 (ALPHA)
Family	Logs_Errors
Startable	false
SUBTREE_START	false
END_OF_FLOW	false
Activate	true
DUMMY	false
tStatCatcher Statistics	false
Help	org.talend.help.tLogRow
Update components	true
IREPORT_PATH	
JAVA_LIBRARY_PATH	D:\Talend-Studio\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	true
Table (print values in cells of a table)	false
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=Status, 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 tLogRow_9 :

Column	Key	Type	Length	Precision	Nullable	Comment
Status	false	String			true	

Original Function Parameters:
Component   tLoop

	UNIQUE NAME	tLoop_1	INPUT(S)	tSetGlobalVar_2
	LABEL	WhileExecutionIncomplete	OUTPUT(S)	tSleep_1

Component Parameters:

Properties	Values
Unique Name	tLoop_1
Component Name	tLoop
Version	0.102 (ALPHA)
Family	Orchestration
Start	false
Startable	true
SUBTREE_START	true
END_OF_FLOW	true
Activate	true

DUMMY	false
tStatCatcher Statistics	false
Help	org.talend.help.tLoop
Update components	true
IREPORT_PATH	
JAVA_LIBRARY_PATH	D:\Talend-Studio\configuration\lib\java
Subjob color	
Title color	
Enable parallel execution	false
Number of parallel executions	2
PARALLELIZE_KEEP_EMPTY	false
For	false
While	true
From	1
To	10
Step	1
Values are increasing	true
Declaration	
Condition	!(boolean)globalMap.get("executionComplete")
Iteration	
Label format	WhileExecutionIncomplete
Hint format	__UNIQUE_NAME__ __COMMENT__

Connection format	row
Show Information	false
Comment	
Use an existing validation rule	false
Validation Rule Type	

Original Function Parameters:
Component   tRESTClient

	UNIQUE NAME	tRESTClient_1	INPUT(S)	tSleep_1
	LABEL	GETBasketData	OUTPUT(S)	tFileOutputDelimited_1 , tLogRow_7

Component Parameters:

Properties	Values
Unique Name	tRESTClient_1
Component Name	tRESTClient
Version	0.102 (ALPHA)
Family	ESB/REST
Start	false
Startable	true
SUBTREE_START	false
END_OF_FLOW	false
Activate	true
DUMMY	false

tStatCatcher Statistics	false
Help	org.talend.help.tRESTClient
Update components	true
IREPORT_PATH	
JAVA_LIBRARY_PATH	D:\Talend-Studio\configuration\lib\java
Subjob color	
Title color	
Enable parallel execution	false
Number of parallel executions	2
PARALLELIZE_KEEP_EMPTY	false
URL	"https://apigateway.bnymellon.com/etfdataservices/v1/baskets-data"
Relative Path	""
HTTP Method	GET
Content Type	application/xml
Accept Type	*/*
Query parameters	[{NAME="executionId", VALUE=(String)globalMap.get("executionId")}]
REPOSITORY_ALLOW_AUTO_SWITCH	true
Input Schema	Built-In
Response Schema	Built-In
Error Schema	Built-In
Use Service Locator	false
Service namespace	"http://www.talend.org/rest/"

Service name	""
Use Service Activity Monitor	false
Use Authentication	true
Authentication Type	OAUTH2_BEARER
Username	"username"
Password	**********
Bearer Token	(String)globalMap.get("token")
Use Authorization	false
Role	""
Use Business Correlation	false
Correlation Value	""
Check Server Identity	true
Die on error	true
Log messages	false
Follow redirects	false
Allow non-same host redirects	false
Enable WebClient Operation Reporting	true
Convert Response To DOM Document	true
Drop JSON Request Root	false
Wrap JSON Response	true
Convert Types To Strings	false
HTTP Headers	[]

Service Locator	[]
Service Activity Monitor	[]
Disable chunked encoding	false
Connection timeout (seconds)	30
Receive timeout (seconds)	60
Use HTTP proxy	false
Host	"127.0.0.1"
Port	8080
Username	""
Password	**
Transfer these JSON elements as arrays	""
Label format	GETBasketData
Hint format	__UNIQUE_NAME__ __COMMENT__
Connection format	row
Show Information	false
Comment	
Use an existing validation rule	false
Validation Rule Type	

Schema for tRESTClient_1 :

Column	Key	Type	Length	Precision	Nullable	Comment
body	false	Document			true	

string	false	String	4048		true	

Original Function Parameters:
Component   tSetGlobalVar

2→A 3→B	UNIQUE NAME	tSetGlobalVar_1	INPUT(S)	BNYNexenAuth_1
	LABEL	AddTokenToGlobalMap	OUTPUT(S)	tLogRow_1 , tFixedFlowInput_2

Component Parameters:

Properties	Values
Unique Name	tSetGlobalVar_1
Component Name	tSetGlobalVar
Version	0.101 (ALPHA)
Family	Custom_Code
Start	false
Startable	true
SUBTREE_START	false
END_OF_FLOW	false
Activate	true
DUMMY	false
tStatCatcher Statistics	false
Help	org.talend.help.tSetGlobalVar
Update components	true
IREPORT_PATH	

JAVA_LIBRARY_PATH	D:\Talend-Studio\configuration\lib\java
Subjob color	
Title color	
Enable parallel execution	false
Number of parallel executions	2
PARALLELIZE_KEEP_EMPTY	false
Variables	[{KEY="token", VALUE=row2.token_type + " " + row2.access_token}]
Schema	Built-In
Label format	AddTokenToGlobalMap
Hint format	__UNIQUE_NAME__ __COMMENT__
Connection format	row
Show Information	false
Comment	
Use an existing validation rule	false
Validation Rule Type	

Schema for tSetGlobalVar_1 :

Column	Key	Type	Length	Precision	Nullable	Comment
access_token	false	String	40		true	
scope	false	String	3		true	
token_type	false	String	6		true	
expires_in	false	Integer	4		true	

Original Function Parameters:
Component   tSetGlobalVar

2→A 3→B	UNIQUE NAME	tSetGlobalVar_2	INPUT(S)	tExtractJSONFields_1
	LABEL	AddExecutionIdToGlobalMap	OUTPUT(S)	tLoop_1

Component Parameters:

Properties	Values
Unique Name	tSetGlobalVar_2
Component Name	tSetGlobalVar
Version	0.101 (ALPHA)
Family	Custom_Code
Start	false
Startable	true
SUBTREE_START	false
END_OF_FLOW	true
Activate	true
DUMMY	false
tStatCatcher Statistics	false
Help	org.talend.help.tSetGlobalVar
Update components	true
IREPORT_PATH	
JAVA_LIBRARY_PATH	D:\Talend-Studio\configuration\lib\java
Subjob color	

Title color	
Enable parallel execution	false
Number of parallel executions	2
PARALLELIZE_KEEP_EMPTY	false
Variables	[{KEY="executionId", VALUE=row9.executionId}, {KEY="executionComplete", VALUE=false}]
Schema	Built-In
Label format	AddExecutionIdToGlobalMap
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
status	false	String			true	
responseId	false	String			true	
description	false	String			true	
executionId	false	String			true	

Original Function Parameters:
Component   tSetGlobalVar

	UNIQUE NAME	tSetGlobalVar_3	INPUT(S)	tFilterRow_20
	LABEL	__UNIQUE_NAME__	OUTPUT(S)	none

Component Parameters:

Properties	Values
Unique Name	tSetGlobalVar_3
Component Name	tSetGlobalVar
Version	0.101 (ALPHA)
Family	Custom_Code
Start	false
Startable	true
SUBTREE_START	false
END_OF_FLOW	true
Activate	true
DUMMY	false
tStatCatcher Statistics	false
Help	org.talend.help.tSetGlobalVar
Update components	true
IREPORT_PATH	
JAVA_LIBRARY_PATH	D:\Talend-Studio\configuration\lib\java
Subjob color	
Title color	
Enable parallel execution	false

Number of parallel executions	2
PARALLELIZE_KEEP_EMPTY	false
Variables	[{KEY="executionComplete", VALUE=true}]
Schema	Built-In
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 tSetGlobalVar_3 :

Column	Key	Type	Length	Precision	Nullable	Comment
Status	false	String			true	

Original Function Parameters:
Component   tSleep

	UNIQUE NAME	tSleep_1	INPUT(S)	tLoop_1
⏳	LABEL	Sleep5s	OUTPUT(S)	tRESTClient_1

Component Parameters:

Properties	Values
Unique Name	tSleep_1

Component Name	tSleep
Version	0.102 (ALPHA)
Family	Orchestration
Start	false
Startable	true
SUBTREE_START	false
END_OF_FLOW	false
Activate	true
DUMMY	false
tStatCatcher Statistics	false
Help	org.talend.help.tSleep
Update components	true
IREPORT_PATH	
JAVA_LIBRARY_PATH	D:\Talend-Studio\configuration\lib\java
Subjob color	
Title color	
Enable parallel execution	false
Number of parallel executions	2
PARALLELIZE_KEEP_EMPTY	false
Pause (in seconds)	5
Schema	Built-In
Label format	Sleep5s

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

Schema for tSleep_1 :

Column	Key	Type	Length	Precision	Nullable	Comment
body	false	Document			true	
string	false	String	4048		true	

Original Function Parameters:
Component   BNYNexenAuth

	UNIQUE NAME	BNYNexenAuth_1	INPUT(S)	tContextLoad_1
	LABEL	__UNIQUE_NAME__	OUTPUT(S)	tSetGlobalVar_1

Component Parameters:

Properties	Values
Version	Latest
Schema	OUTPUT_1:access_token scope token_type expires_in
Joblet TRIGGER_INPUT_1	COMPONENT_OK

Show Information	false
Comment	

Schema for OUTPUT_1 :

Column	Key	Type	Length	Precision	Nullable	Comment
access_token	false	String	40		true	
scope	false	String	3		true	
token_type	false	String	6		true	
expires_in	false	Integer	4		true	

Component   tHMap

	UNIQUE NAME	tHMap_1	INPUT(S)	tMap_1
	LABEL	__UNIQUE_NAME__	OUTPUT(S)	tLogRow_9 , tLogRow_5, tLogRow_6

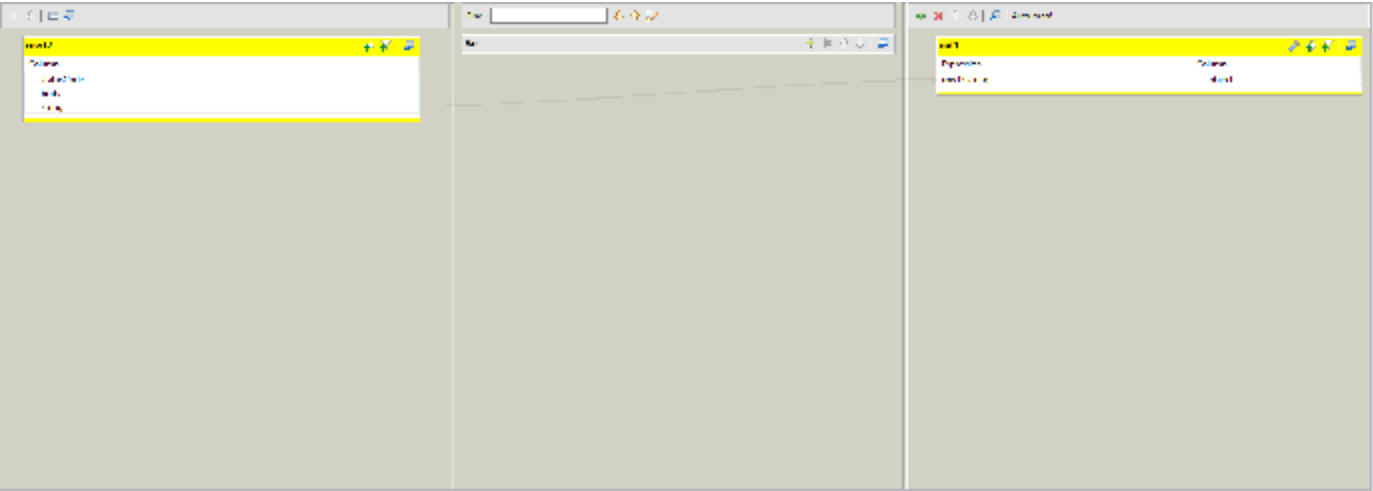|	
tStatCatcher Statistics	false
To create a new map based on the input and output of tHMap, use Open Map Editor below. To use an existing map, select the Map Path below and then use Open Map Editor.	

Open Map Editor	
Synchronize map with schema connections	false
Map Path	"Jobs/BNYNexenBasket_JavaForGZIP/tHMap_1"
Single column	true
Data Integration columns	true
Map Variable	" "
Alternate contextual Map(s)	" "
Map each row (disable virtual component)	false
Emit empty payload	true
Exception Threshold	64
Show Information	false
Comment	
Use an existing validation rule	false

Component   tMap

	UNIQUE NAME	tMap_1	INPUT(S)	tFileOutputDelimited_1

LABEL	__UNIQUE_NAME__	OUTPUT(S)	tHMap_1

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	true
Show Information	false
Comment	
Use an existing validation rule	false

Mapper table for tMap_1 (input):

Mapper table Properties(row12):

Properties	Values
Name	row12
Matching-mode	UNIQUE_MATCH
isMinimized	false
isReject	false
isRejectInnerJoin	false
isInnerJoin	false
expressionFilter	null

Metadata Table Entries(row12):

Name	Type	Expression	isNullable
statusCode	Integer		true
body	Document		true
string	String		true

Constraint Table Entries(row12):

Name	Type	Expression	isNullable

Mapper table for tMap_1 (output):

Mapper table Properties(out1):

Properties	Values
Name	out1
Matching-mode	
isMinimized	false
isReject	false
isRejectInnerJoin	false
isInnerJoin	false
expressionFilter	null

Metadata Table Entries(out1):

Name	Type	Expression	isNullable
object	Object	row12.string	true

Constraint Table Entries(out1):

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

Component   tWriteJSONField

	UNIQUE NAME	tWriteJSONField_1	INPUT(S)	tFixedFlowInput_2
	LABEL	WriteRequestToJSON	OUTPUT(S)	tLogRow_3

Component Parameters:

Properties	Values
Activate	true

tStatCatcher Statistics	false
Output Column	jsonString
Configure JSON Tree	
Group by	[]
Remove root node.	true
Quote all non-null values	false
Pass null values and empty strings explicitly	false
Show Information	false
Comment	
Use an existing validation rule	false

Schema for tWriteJSONField_1 :

Column	Key	Type	Length	Precision	Nullable	Comment
jsonString	false	String			true	