



# Jobs

First Trust  
Portfolios

Generated by Talend Cloud API  
Services Platform

Project Name	TalendFTP	GENERATION DATE	Apr 18, 2022, 11:24:11 AM
AUTHOR	Thompson, Andrew	Talend Cloud VERSION	8.0.1.20220412_1227-patch

## Summary

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## Project Description

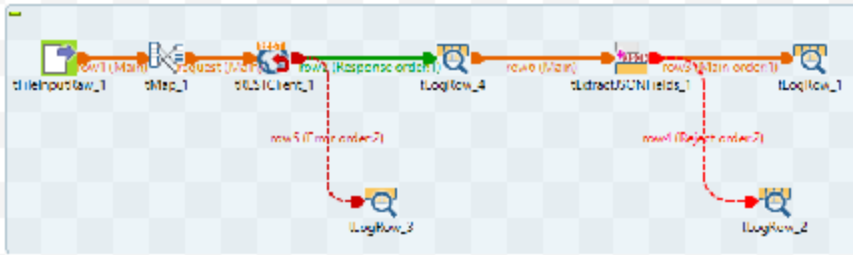
Properties	Values
Name	TalendFTP
Language	java

Description	
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## Description

Properties	Values
Name	TestOpenFIGI
Author	Thompson, Andrew
Version	0.1
Purpose	Test basic OpenFIGI API connection
Status	
Description	
Creation	Apr 4, 2022, 2:44:28 PM
Modification	Apr 18, 2022, 11:24:11 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	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
<a href="#">tExtractJSONFields_1</a>	tExtractJSONFields
<a href="#">tFileInputRaw_1</a>	tFileInputRaw
<a href="#">tLogRow_1</a>	tLogRow

tLogRow_2	tLogRow
tLogRow_3	tLogRow
tLogRow_4	tLogRow
tMap_1	tMap
tRESTClient_1	tRESTClient

## Components Description

### Component tExtractJSONFields

	UNIQUE NAME	tExtractJSONFields_1	INPUT(S)	tLogRow_4
	LABEL	__UNIQUE_NAME__	OUTPUT(S)	tLogRow_1 , tLogRow_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	string
Loop XPath query	"\$[*].data[*]"
Loop Jsonpath query	"\$[*].data[*]"

Mapping	<pre>[{SCHEMA_COLUMN=figi, QUERY="figi", NODECHECK=, ISARRAY=}, {SCHEMA_COLUMN=compositeFIGI, QUERY="compositeFIGI", NODECHECK=, ISARRAY=}, {SCHEMA_COLUMN=shareClassFIGI, QUERY="shareClassFIGI", NODECHECK=, ISARRAY=}, {SCHEMA_COLUMN=securityType, QUERY="securityType", NODECHECK=, ISARRAY=}, {SCHEMA_COLUMN=ticker, QUERY="ticker", NODECHECK=, ISARRAY=}, {SCHEMA_COLUMN=exchCode, QUERY="exchCode", NODECHECK=, ISARRAY=}, {SCHEMA_COLUMN=name, QUERY="name", NODECHECK=, ISARRAY=}, {SCHEMA_COLUMN=securityDescription, QUERY="securityDescription", NODECHECK=, ISARRAY=}, {SCHEMA_COLUMN=marketSector, QUERY="marketSector", NODECHECK=, ISARRAY=}]</pre>
Mapping	<pre>[{SCHEMA_COLUMN=figi, QUERY="figi"}, {SCHEMA_COLUMN=compositeFIGI, QUERY="compositeFIGI"}, {SCHEMA_COLUMN=shareClassFIGI, QUERY="shareClassFIGI"}, {SCHEMA_COLUMN=securityType, QUERY="securityType"}, {SCHEMA_COLUMN=ticker, QUERY="ticker"}, {SCHEMA_COLUMN=exchCode, QUERY="exchCode"}, {SCHEMA_COLUMN=name, QUERY="name"}, {SCHEMA_COLUMN=securityDescription, QUERY="securityDescription"}, {SCHEMA_COLUMN=marketSector, QUERY="marketSector"}]</pre>
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	__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
figi	false	String			true	
compositeFIGI	false	String			true	
shareClassFIGI	false	String			true	
securityType	false	String			true	
ticker	false	String			true	
exchCode	false	String			true	
name	false	String			true	
securityDescription	false	String			true	
marketSector	false	String			true	

**Original Function Parameters:**  
**Component   tFileInputRaw**

	UNIQUE NAME	tFileInputRaw_1	INPUT(S)	none
	LABEL	__UNIQUE_NAME__	OUTPUT(S)	tMap_1

**Component Parameters:**

Properties	Values
Unique Name	tFileInputRaw_1
Component Name	tFileInputRaw
Version	0.101 (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.tFileInputRaw
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
Filename	"C:/Users/student/Desktop/OpenFIGI/request.json"
Read the file as a string	true
Read the file as a bytes array	false

Stream the file	false
Encoding	"ISO-8859-15"
Die on error	false
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 tFileInputRaw\_1 :

Column	Key	Type	Length	Precision	Nullable	Comment
content	false	Object			true	

Original Function Parameters:  
Component tLogRow

	UNIQUE NAME	tLogRow_1	INPUT(S)	tExtractJSONFields_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
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=figi, LENGTH=10}, {SCHEMA_COLUMN=compositeFIGI, LENGTH=10}, {SCHEMA_COLUMN=shareClassFIGI, LENGTH=10}, {SCHEMA_COLUMN=securityType, LENGTH=10}, {SCHEMA_COLUMN=ticker, LENGTH=10}, {SCHEMA_COLUMN=exchCode, LENGTH=10}, {SCHEMA_COLUMN=name, LENGTH=10}, {SCHEMA_COLUMN=securityDescription, LENGTH=10}, {SCHEMA_COLUMN=marketSector, LENGTH=10}]
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 metadata :**

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Column	Key	Type	Length	Precision	Nullable	Comment
figi	false	String			true	
compositeFIGI	false	String			true	
shareClassFIGI	false	String			true	
securityType	false	String			true	
ticker	false	String			true	
exchCode	false	String			true	
name	false	String			true	
securityDescription	false	String			true	
marketSector	false	String			true	

Original Function Parameters:  
Component tLogRow

	UNIQUE NAME	tLogRow_2	INPUT(S)	tExtractJSONFields_1
	LABEL	__UNIQUE_NAME__	OUTPUT(S)	none

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	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	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=figi, LENGTH=10}, {SCHEMA_COLUMN=compositeFIGI, LENGTH=10}, {SCHEMA_COLUMN=shareClassFIGI, LENGTH=10}, {SCHEMA_COLUMN=securityType, LENGTH=10}, {SCHEMA_COLUMN=ticker, LENGTH=10}, {SCHEMA_COLUMN=exchCode, LENGTH=10}, {SCHEMA_COLUMN=name, LENGTH=10}, {SCHEMA_COLUMN=securityDescription, LENGTH=10}, {SCHEMA_COLUMN=marketSector, LENGTH=10}, {SCHEMA_COLUMN=errorJSONField, LENGTH=10}, {SCHEMA_COLUMN=errorCode, LENGTH=10}, {SCHEMA_COLUMN=errorMessage, LENGTH=10}]
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 metadata :**

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Column	Key	Type	Length	Precision	Nullable	Comment
figi	false	String			true	
compositeFIGI	false	String			true	
shareClassFIGI	false	String			true	
securityType	false	String			true	
ticker	false	String			true	
exchCode	false	String			true	
name	false	String			true	
securityDescription	false	String			true	
marketSector	false	String			true	
errorJSONField	false	String	255		true	
errorCode	false	String	255		true	
errorMessage	false	String	255		true	

**Original Function Parameters:**  
**Component   tLogRow**

	UNIQUE NAME	tLogRow_3	INPUT(S)	tRESTClient_1
	LABEL	__UNIQUE_NAME__	OUTPUT(S)	none

**Component Parameters:**

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Properties	Values
Unique Name	tLogRow_3
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	__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\_3 :

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

### Original Function Parameters:

#### Component tLogRow

	UNIQUE NAME	tLogRow_4	INPUT(S)	tRESTClient_1
	LABEL	__UNIQUE_NAME__	OUTPUT(S)	tExtractJSONFields_1

### Component Parameters:

Properties	Values
Unique Name	tLogRow_4
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
REPORT_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	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=statusCode, LENGTH=10}, {SCHEMA_COLUMN=body, LENGTH=10}, {SCHEMA_COLUMN=string, LENGTH=10}]
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\_4 :

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

Original Function Parameters:  
Component tRESTClient

	UNIQUE NAME	tRESTClient_1	INPUT(S)	tMap_1
	LABEL	__UNIQUE_NAME__	OUTPUT(S)	tLogRow_4 , tLogRow_3

Component Parameters:

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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://api.openfigi.com/v3/mapping"

Relative Path	""
HTTP Method	POST
Content Type	application/json
Accept Type	*/*
Query parameters	[]
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	false
Authentication Type	BASIC
Username	"username"
Password	*****
Bearer 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	__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 tRESTClient\_1 :

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

#### Original Function Parameters: Component tMap

	UNIQUE NAME	tMap_1	INPUT(S)	<a href="#">tFileInputRaw_1</a>
	LABEL	__UNIQUE_NAME__	OUTPUT(S)	<a href="#">tRESTClient_1</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	true
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
content	Object		true

**Constraint Table Entries( row1 ):**

Name	Type	Expression	isNullable

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

**Mapper table Properties( request ):**

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

**Metadata Table Entries( request ):**

Name	Type	Expression	isNullable
body	Document		true
string	String	row1.content.toString()	true

**Constraint Table Entries( request ):**

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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