# Jobs

Generated by Talend Cloud Data
Management Platform

| Project Name | talendcloud | GENERATION DATE | 31 Jan, 2019 2:59:53 PM |
|---|---|---|---|
| AUTHOR | Joshi, Nishad | Talend Cloud VERSION | 7.1.1.20181026_1147 |

## Summary

**Project Description**
**Description**
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## Project Description

| Properties | Values |
|---|---|
| Name | talendcloud |
| Language | java |

| | |
|---|---|
| Description | |

# Description

| Properties | Values |
|---|---|
| Name | NYSE_Daily_Files_Load |
| Author | Joshi, Nishad |
| Version | 0.1 |
| Purpose | |
| Status | |
| Description | |
| Creation | 3 Sep, 2016 8:25:34 AM |
| Modification | 8 Aug, 2018 1:23:51 PM |

# Preview Picture
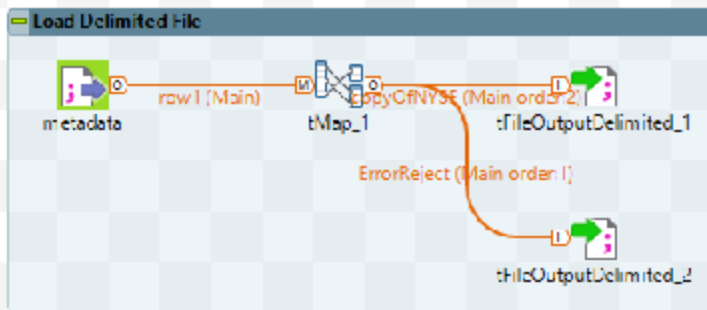
# Settings

**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 |
|---|---|---|---|---|---|
| FileName | FileName? | false | id_String | | |
| NYSE_Daily_Mege_File | NYSE_Daily_Mege_File? | false | id_String | | |
| NYSE_Daily_Reject_File | NYSE_Daily_Reject_File? | false | id_String | | |
| FileID | FileID? | false | id_String | | |

# Component List

| Component Name | Component Type |
|---|---|
| | |

| | |
|---|---|
| tFileInputDelimited_1 | tFileInputDelimited |
| tFileOutputDelimited_1 | tFileOutputDelimited |
| tFileOutputDelimited_2 | tFileOutputDelimited |
| tMap_1 | tMap |

# Components Description

## Component   tFileInputDelimited

| | UNIQUE NAME | tFileInputDelimited_1 | INPUT(S) | none |
|---|---|---|---|---|
| | LABEL | metadata | OUTPUT(S) | tMap_1 |

**Component Parameters:**

| Properties | Values |
|---|---|
| Unique Name | tFileInputDelimited_1 |
| Component Name | tFileInputDelimited |
| Version | 0.102 (ALPHA) |
| Family | File/Input |
| Start | true |
| Startable | true |
| SUBTREE_START | true |
| END_OF_FLOW | false |
| Activate | true |

| | |
|---|---|
| DUMMY | false |
| tStatCatcher Statistics | false |
| Help | org.talend.help.tFileInputDelimited |
| Update components | true |
| IREPORT_PATH | |
| JAVA_LIBRARY_PATH | C:\Talend-Studio-20181026_1147-V7.1.1\configuration\lib\java |
| Subjob color | |
| Title color | |
| Enable parallel execution | false |
| Number of parallel executions | 2 |
| PARALLELIZE_KEEP_EMPTY | false |
| Property Type | Built-In |
| REPOSITORY_ALLOW_AUTO_SWITCH | true |
| Schema | Built-In |
| File name/Stream | context.FileName |
| CSV options | true |
| Row Separator | "\n" |
| CSV Row Separator | "\n" |
| Field Separator | "," |
| Escape char | """ |
| Text enclosure | """ |
| Header | 1 |

| | |
|---|---|
| Footer | 0 |
| Limit | |
| Skip empty rows | false |
| Uncompress as zip file | false |
| Die on error | false |
| Schema | repository: DELIM:NYSE - metadata |
| !!!TEMP_DIR.NAME!!! | "D:/Talend-Tools-Studio-20151214_1327-V6.1.1/workspace" |
| Advanced separator (for numbers) | false |
| Thousands separator | "," |
| Decimal separator | "." |
| Extract lines at random | false |
| Number of lines | 10 |
| Trim all columns | false |
| Check column to trim | [{SCHEMA_COLUMN=exchange, TRIM=false}, {SCHEMA_COLUMN=stock_symbol, TRIM=false}, {SCHEMA_COLUMN=date, TRIM=false}, {SCHEMA_COLUMN=stock_price_open, TRIM=false}, {SCHEMA_COLUMN=stock_price_high, TRIM=false}, {SCHEMA_COLUMN=stock_price_low, TRIM=false}, {SCHEMA_COLUMN=stock_price_close, TRIM=false}, {SCHEMA_COLUMN=stock_volume, TRIM=false}, {SCHEMA_COLUMN=stock_price_adj_close, TRIM=false}] |
| 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 | [{SCHEMA_COLUMN=exchange, DECODE=false}, {SCHEMA_COLUMN=stock_symbol, DECODE=false}, {SCHEMA_COLUMN=date, DECODE=false}, {SCHEMA_COLUMN=stock_price_open, DECODE=false}, {SCHEMA_COLUMN=stock_price_high, DECODE=false}, {SCHEMA_COLUMN=stock_price_low, DECODE=false}, {SCHEMA_COLUMN=stock_price_close, DECODE=false}, {SCHEMA_COLUMN=stock_volume, DECODE=false}, {SCHEMA_COLUMN=stock_price_adj_close, DECODE=false}] |
| !!!DESTINATION.NAME!!! | |
| Min column number of optimize code | 100 |
| Label format | metadata |
| Hint format | <b>__UNIQUE_NAME__</b><br>__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 |
|---|---|---|---|---|---|---|
| exchange | false | String | 4 | | true | |
| stock_symbol | false | String | 3 | | true | |
| date | false | String | 10 | | true | |
| stock_price_open | false | String | 4 | | true | |
| stock_price_high | false | String | 4 | 3 | true | |
| stock_price_low | false | String | 4 | 3 | true | |

| | | | | | | |
|---|---|---|---|---|---|---|
| stock_price_close | false | String | 4 | 3 | true | |
| stock_volume | false | String | 7 | | true | |
| stock_price_adj_close | false | String | 4 | 3 | true | |

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

| | UNIQUE NAME | tFileOutputDelimited_1 | INPUT(S) | tMap_1 |
|---|---|---|---|---|
| | 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-Studio-20181026_1147-V7.1.1\configuration\lib\java |
| Subjob color | |
| Title color | |
| Enable parallel execution | false |
| Number of parallel executions | 2 |
| PARALLELIZE_KEEP_EMPTY | false |
| Property Type | Built-In |
| Use Output Stream | false |
| Output Stream | outputStream |
| File Name | context.NYSE_Daily_Mege_File |
| 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 | false |
| Min column number of optimize code | 90 |
| Label format | __UNIQUE_NAME__ |
| Hint format | <b>__UNIQUE_NAME__</b><br>__COMMENT__ |
| Connection format | row |
| Show Information | false |
| Comment | |
| Use an existing validation rule | false |
| Validation Rule Type | |

## Schema for NYSE :

| Column | Key | Type | Length | Precision | Nullable | Comment |
|---|---|---|---|---|---|---|
| exchange | false | String | 4 | | true | |
| stock_symbol | false | String | 3 | | true | |
| date | false | java.util.Date | 10 | | true | |
| stock_price_open | false | Float | 4 | | true | |
| stock_price_high | false | Float | 4 | 3 | true | |
| stock_price_low | false | Float | 4 | 3 | true | |
| stock_price_close | false | String | 4 | 3 | true | |
| stock_volume | false | Integer | 7 | | true | |
| stock_price_adj_close | false | String | 4 | 3 | true | |
| FileID | false | String | | | true | |

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

| | UNIQUE NAME | tFileOutputDelimited_2 | INPUT(S) | tMap_1 |
|---|---|---|---|---|
| | LABEL | __UNIQUE_NAME__ | OUTPUT(S) | none |

**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-Studio-20181026_1147-V7.1.1\configuration\lib\java |
| Subjob color | |
| Title color | |
| Enable parallel execution | false |
| Number of parallel executions | 2 |
| PARALLELIZE_KEEP_EMPTY | false |
| Property Type | Built-In |
| Use Output Stream | false |
| Output Stream | outputStream |
| File Name | context.NYSE_Daily_Reject_File |

| | |
|---|---|
| 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 | false |
| Min column number of optimize code | 90 |
| Label format | __UNIQUE_NAME__ |
| Hint format | <b>__UNIQUE_NAME__</b><br>__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 |
|---|---|---|---|---|---|---|
| stock_volume | false | String | 7 | | true | |
| date | false | String | 10 | | true | |
| stock_price_open | false | String | | | false | |
| errorMessage | false | String | | | true | |
| errorStackTrace | false | String | | | true | |

## Original Function Parameters:
## Component   tMap

| | UNIQUE NAME | tMap_1 | INPUT(S) | tFileInputDelimited_1 |
|---|---|---|---|---|

| LABEL | __UNIQUE_NAME__ | OUTPUT(S) | tFileOutputDelimited_2 , tFileOutputDelimited_1 |
|---|---|---|---|
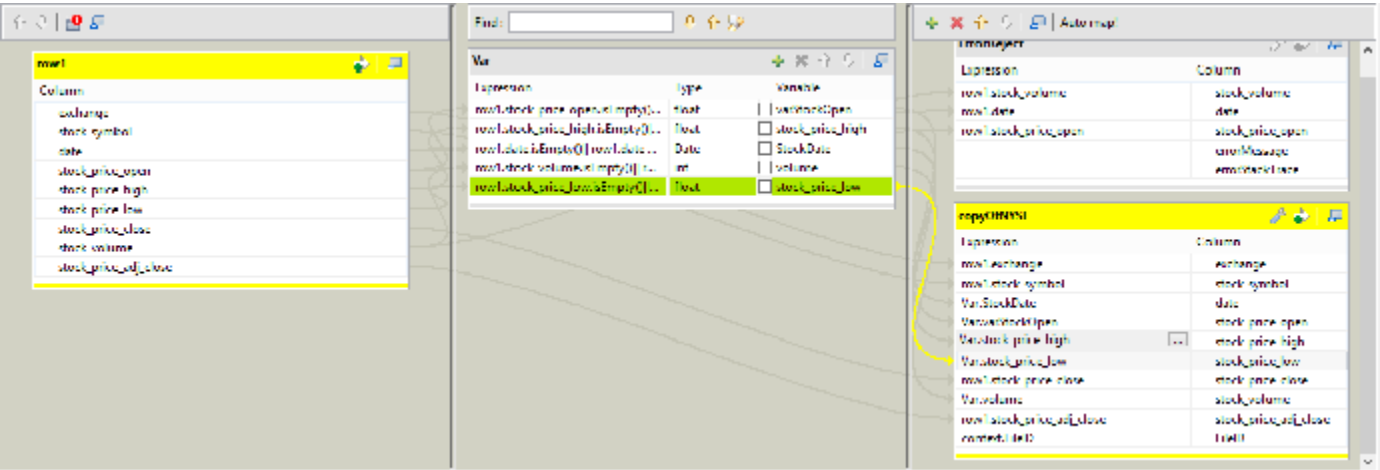


**Component Parameters:**

| 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 |
|---|---|---|---|
| exchange | String | | true |
| stock_symbol | String | | true |
| date | String | | true |
| stock_price_open | String | | true |
| stock_price_high | String | | true |
| stock_price_low | String | | true |
| stock_price_close | String | | true |
| stock_volume | String | | true |
| stock_price_adj_close | String | | true |

### Constraint Table Entries( row1 ):

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

**Mapper table for tMap_1 ( output ):**

**Mapper table Properties( ErrorReject ):**

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

**Metadata Table Entries( ErrorReject ):**

| Name | Type | Expression | isNullable |
|---|---|---|---|
| stock_volume | String | row1.stock_volume | true |
| date | String | row1.date | true |
| stock_price_open | String | row1.stock_price_open | false |
| errorMessage | String | | true |
| errorStackTrace | String | | true |

**Constraint Table Entries( ErrorReject ):**

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

**Mapper table Properties( copyOfNYSE ):**

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

**Metadata Table Entries( copyOfNYSE ):**

| Name | Type | Expression | isNullable |
|---|---|---|---|
| exchange | String | row1.exchange | true |
| stock_symbol | String | row1.stock_symbol | true |
| date | java.util.Date | Var.StockDate | true |
| stock_price_open | Float | Var.varStockOpen | true |
| stock_price_high | Float | Var.stock_price_high | true |
| stock_price_low | Float | Var.stock_price_low | true |
| stock_price_close | String | row1.stock_price_close | true |
| stock_volume | Integer | Var.volume | true |
| stock_price_adj_close | String | row1.stock_price_adj_close | true |
| FileID | String | context.FileID | true |

**Constraint Table Entries( copyOfNYSE ):**

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

**Mapper table for tMap_1 ( var ):**
**Mapper table Properties( Var ):**

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

**Metadata Table Entries( Var ):**

| Name | Type | Expression |
|---|---|---|
| varStockOpen | float | row1.stock_price_open.isEmpty()|| Relational.ISNULL(row1.stock_pric Float.parseFloat("0.0"):Float.parseFloat(row1.stock_price_open) |
| stock_price_high | float | row1.stock_price_high.isEmpty()|| Relational.ISNULL(row1.stock_price Float.parseFloat("0.0"):Float.parseFloat(row1.stock_price_high) |
| StockDate | java.util.Date | row1.date.isEmpty()|| row1.date == null ? TalendDate.parseDate("MM/dd/yyyy","12/31/2100"):TalendDate.parse row1.date) |
| volume | int | row1.stock_volume.isEmpty()|| row1.stock_volume == null ? Integer.parseInt("0"):Integer.parseInt(row1.stock_volume) |
| stock_price_low | float | row1.stock_price_low.isEmpty()|| Relational.ISNULL(row1.stock_price_ Float.parseFloat("0.0"):Float.parseFloat(row1.stock_price_low) |

**Constraint Table Entries( Var ):**

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