



# Jobs

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|              |                 |                            |                         |
|--------------|-----------------|----------------------------|-------------------------|
| Project Name | zach-talend     | GENERATION DATE            | Feb 5, 2019 12:10:52 PM |
| AUTHOR       | Lorenzini, Zach | Talend Data Fabric VERSION | 7.1.1.20181026_1147     |

## Summary

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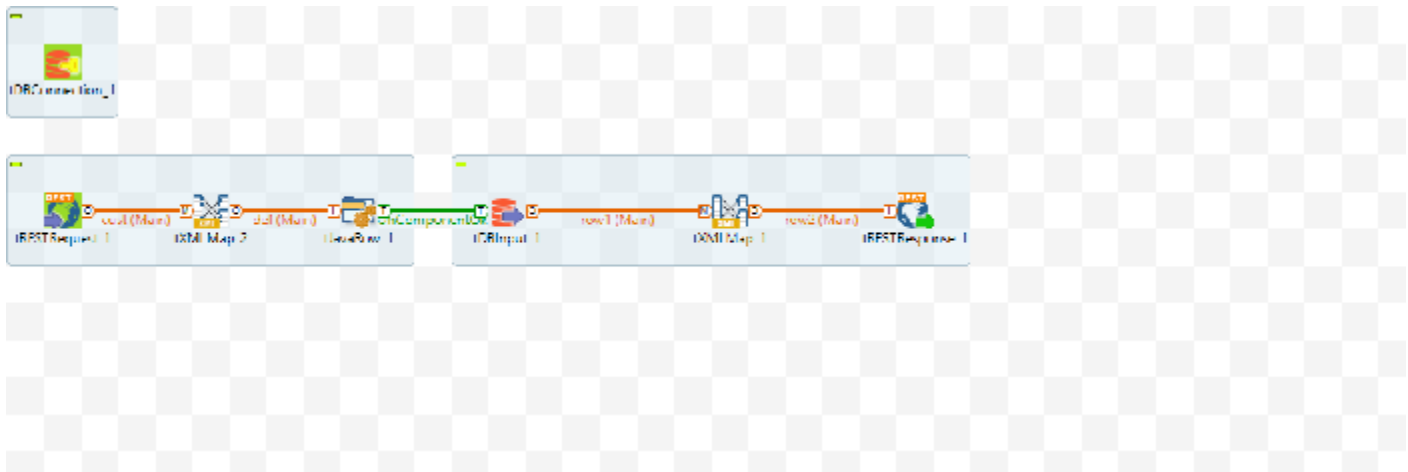
## Project Description

| Properties  | Values      |
|-------------|-------------|
| Name        | zach-talend |
| Language    | java        |
| Description |             |

# Description

| Properties   | Values                  |
|--------------|-------------------------|
| Name         | ESB_SQL_Demo            |
| Author       | Lorenzini, Zach         |
| Version      | 0.1                     |
| Purpose      |                         |
| Status       |                         |
| Description  |                         |
| Creation     | Nov 30, 2018 1:55:36 PM |
| Modification | Nov 30, 2018 2:05:55 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  |

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|                     |      |
|---------------------|------|
| Catch user errors   | true |
| Catch user warnings | true |

## Context List

### ContextDefault

| Name   | Prompt  | Need Prompt? | Type      | Value | Source |
|--------|---------|--------------|-----------|-------|--------|
| custid | custid? | false        | id_String |       |        |
| sql    | sql?    | false        | id_String |       |        |


## Component List

| Component Name                  | Component Type   |
|---------------------------------|------------------|
| <a href="#">tDBConnection_1</a> | tMSSqlConnection |
| <a href="#">tDBInput_1</a>      | tMSSqlInput      |
| <a href="#">tJavaRow_1</a>      | tJavaRow         |
| <a href="#">tRESTRequest_1</a>  | tRESTRequest     |
| <a href="#">tRESTResponse_1</a> | tRESTResponse    |
| <a href="#">tXMLMap_1</a>       | tXMLMap          |

|           |         |
|-----------|---------|
| tXMLMap_2 | tXMLMap |
|-----------|---------|

## Components Description

### Component tMSSqlConnection

|   |             |                 |           |      |
|---|-------------|-----------------|-----------|------|
|  | UNIQUE NAME | tDBConnection_1 | INPUT(S)  | none |
|   | LABEL       | __UNIQUE_NAME__ | OUTPUT(S) | none |


### Component Parameters:

| Properties              | Values   |
|-------------------------|--|
| Database                | tMSSqlConnection                                     |
| Unique Name             | tDBConnection_1                                      |
| Component Name          | tMSSqlConnection                                     |
| Version                 | 0.102 (ALPHA)  |
| Family                  | Databases/DB Specifics/MS_SQL_Server ELT/Connections |
| Start                   | true   |
| Startable               | true   |
| SUBTREE_START           | true   |
| END_OF_FLOW             | true   |
| Activate                | true   |
| DUMMY                   | false  |
| tStatCatcher Statistics | false  |
| Help                    | org.talend.help.tMSSqlConnection                     |

|  |  |
|--|--|
| Update components                      | true   |
| IREPORT_PATH                           |  |
| JAVA_LIBRARY_PATH                      | C:\Program Files (x86)\Talend-Studio\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   |
| JDBC Provider                          | JTDS   |
| Host                                   | "zachdb1.database.windows.net"                                     |
| Database Driver                        | MSSQL  |
| Port                                   | "1433"   |
| Schema                                 | ""   |
| Database                               | "ZDB1"   |
| Username                               | "zach"   |
| Password                               | *****  |
| Encoding                               | "ISO-8859-15"  |
| Additional JDBC Parameters             | ""   |
| Use or register a shared DB Connection | false  |
| Shared DB Connection Name              |  |
| Specify a data source alias            | false  |

|                                      |                                       |
|--------------------------------------|---------------------------------------|
| Data source alias                    | ""                                    |
| Auto Commit                          | false                                 |
| Share identity insert in multi table | false                                 |
| 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                 |                                       |

Original Function Parameters:  
Component tMSSqlInput

|   |             |                 |           |            |
|---|-------------|-----------------|-----------|------------|
|  | UNIQUE NAME | tDBInput_1      | INPUT(S)  | tJavaRow_1 |
|   | LABEL       | __UNIQUE_NAME__ | OUTPUT(S) | tXMLMap_1  |

Component Parameters:

| Properties     | Values                               |
|----------------|--------------------------------------|
| Database       | tMSSqlInput                          |
| Unique Name    | tDBInput_1                           |
| Component Name | tMSSqlInput                          |
| Version        | 0.102 (ALPHA)                        |
| Family         | Databases/DB Specifics/MS_SQL_Server |

|                               |  |
|-------------------------------|--|
| Start                         | false  |
| Startable                     | true   |
| SUBTREE_START                 | true   |
| END_OF_FLOW                   | false  |
| Activate                      | true   |
| DUMMY                         | false  |
| tStatCatcher Statistics       | false  |
| Help                          | org.talend.help.tMSSqlInput  |
| Update components             | true   |
| IREPORT_PATH                  |  |
| JAVA_LIBRARY_PATH             | C:\Program Files (x86)\Talend-Studio\studio\configuration\lib\java |
| Subjob color                  |  |
| Title color                   |  |
| Enable parallel execution     | false  |
| Number of parallel executions | 2  |
| PARALLELIZE_KEEP_EMPTY        | false  |
| Use an existing connection    | true   |
| Component List                | tDBConnection_1  |
| Property Type                 | Built-In   |
| Host                          | ""   |
| JDBC Provider                 | JTDS   |
| Database Driver               | MSSQL  |




|                                  |  |
|----------------------------------|--|
| Port                             | "1433"   |
| Schema                           | ""   |
| Database                         | ""   |
| Username                         | ""   |
| Password                         | **   |
| REPOSITORY_ALLOW_AUTO_SWITCH     | true   |
| Schema                           | Built-In   |
| Table Name                       | ""   |
| Query Type                       | Built-In   |
| Guess Schema                     | ""   |
| Query                            | context.sql  |
| Specify a data source alias      | false  |
| Data source alias                | ""   |
| Mapping                          | id_MSSQL   |
| Additional JDBC Parameters       | "noDatetimeStringSync=true"  |
| Encoding                         | "ISO-8859-15"  |
| Trim all the String/Char columns | false  |
| Trim column                      | [[{SCHEMA_COLUMN=customer_id, TRIM=false},<br>{SCHEMA_COLUMN=last_name, TRIM=false}, {SCHEMA_COLUMN=first_name,<br>TRIM=false}, {SCHEMA_COLUMN=address_json, TRIM=false},<br>{SCHEMA_COLUMN=phone_number, TRIM=false}] |
| 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 tDBInput\_1 :

| Column       | Key   | Type   | Length | Precision | Nullable | Comment |
|--------------|-------|--------|--------|-----------|----------|---------|
| customer_id  | false | long   | 19     |           | false    |         |
| last_name    | false | String | 50     |           | true     |         |
| first_name   | false | String | 50     |           | true     |         |
| address_json | false | String | 200    |           | true     |         |
| phone_number | false | String | 10     |           | true     |         |

Original Function Parameters:  
Component tJavaRow

|   |             |                 |           |            |
|---|-------------|-----------------|-----------|------------|
|  | UNIQUE NAME | tJavaRow_1      | INPUT(S)  | tXMLMap_2  |
|   | LABEL       | __UNIQUE_NAME__ | OUTPUT(S) | tDBInput_1 |

Component Parameters:

| Properties     | Values        |
|----------------|---------------|
| Unique Name    | tJavaRow_1    |
| Component Name | tJavaRow      |
| Version        | 0.101 (ALPHA) |


|                               |   |
|-------------------------------|---|
| Family                        | Custom_Code   |
| Startable                     | false   |
| SUBTREE_START                 | false   |
| END_OF_FLOW                   | true  |
| Activate                      | true  |
| DUMMY                         | false   |
| tStatCatcher Statistics       | false   |
| Help                          | org.talend.help.tJavaRow  |
| Update components             | true  |
| IREPORT_PATH                  |   |
| JAVA_LIBRARY_PATH             | C:\Program Files (x86)\Talend-Studio\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  |
| Code                          | context.custid = input_row.custid; context.sql = "SELECT * FROM customers WHERE customer_id = " + context.custid; |
| Import                        | //import java.util.List;  |
| 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 tJavaRow\_1 :

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

### Original Function Parameters: Component tRESTRequest

|   |             |                 |           |                           |
|---|-------------|-----------------|-----------|---------------------------|
|  | UNIQUE NAME | tRESTRequest_1  | INPUT(S)  | none                      |
|   | LABEL       | __UNIQUE_NAME__ | OUTPUT(S) | <a href="#">tXMLMap_2</a> |

### Component Parameters:

| Properties     | Values         |
|----------------|----------------|
| Unique Name    | tRESTRequest_1 |
| Component Name | tRESTRequest   |
| Version        | 0.101 (ALPHA)  |
| Family         | ESB/REST       |
| Start          | true           |
| Startable      | true           |
| SUBTREE_START  | true           |
| END_OF_FLOW    | false          |
| Activate       | true           |

|                               |  |
|-------------------------------|--|
| DUMMY                         | false  |
| tStatCatcher Statistics       | false  |
| Help                          | org.talend.help.tRESTRequest   |
| Update components             | true   |
| IREPORT_PATH                  |  |
| JAVA_LIBRARY_PATH             | C:\Program Files (x86)\Talend-Studio\studio\configuration\lib\java   |
| Subjob color                  |  |
| Title color                   |  |
| Enable parallel execution     | false  |
| Number of parallel executions | 2  |
| PARALLELIZE_KEEP_EMPTY        | false  |
| Definition                    | Built-In   |
| !!!API_ID.NAME!!!             |  |
| REPOSITORY_ALLOW_AUTO_SWITCH  |  |
| Schema                        | Built-In   |
| REST Endpoint                 | "http://localhost:8088/"   |
| REST API Mapping              | [[{SCHEMA=cust, HTTP_VERB=GET, URI_PATTERN="/cust/{custid}", CONSUMES=NONE, PRODUCES=XML-JSON, STREAMING=false}, {SCHEMA=abc, HTTP_VERB=GET, URI_PATTERN="/", CONSUMES=NONE, PRODUCES=XML-JSON, STREAMING=false}]] |
| Use Service Locator           | false  |
| Service Namespace             | "http://www.talend.org/rest/"  |
| Service Name                  | "ESB_SQL_Demo"   |
| Use Service Activity Monitor  | false  |

|   |                                       |
|---|---------------------------------------|
| Use Authentication (ESB runtime only)     | false                                 |
| AUTH_TYPE                                 | BASIC                                 |
| Use Authorization                         | false                                 |
| Use Business Correlation                  | false                                 |
| Log messages                              | false                                 |
| Wrap JSON Request                         | false                                 |
| Service Locator Custom Properties         | []                                    |
| Service Activity Custom Properties        | []                                    |
| Convert JSON values to String in response | false                                 |
| Expose Swagger specification              | false                                 |
| Include Documentation into Swagger Spec   | true                                  |
| 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 WRONG\_CALLS :

| Column | Key   | Type   | Length | Precision | Nullable | Comment |
|--------|-------|--------|--------|-----------|----------|---------|
| uri    | false | String | 255    |           | true     |         |

|        |       |         |      |  |      |  |
|--------|-------|---------|------|--|------|--|
| method | false | String  | 255  |  | true |  |
| status | false | Integer |      |  | true |  |
| error  | false | String  | 1024 |  | true |  |


#### Schema for cust :

| Column | Key   | Type   | Length | Precision | Nullable | Comment |
|--------|-------|--------|--------|-----------|----------|---------|
| custid | false | String |        |           | true     |         |

#### Schema for abc :

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

#### Original Function Parameters: Component tRESTResponse

|  |             |                 |           |           |
|--|-------------|-----------------|-----------|-----------|
|  | UNIQUE NAME | tRESTResponse_1 | INPUT(S)  | tXMLMap_1 |
|  | LABEL       | __UNIQUE_NAME__ | OUTPUT(S) | none      |

#### Component Parameters:

| Properties     | Values          |
|----------------|-----------------|
| Unique Name    | tRESTResponse_1 |
| Component Name | tRESTResponse   |
| Version        | 0.101 (ALPHA)   |
| Family         | ESB/REST        |
| Startable      | false           |
| SUBTREE_START  | false           |
| END_OF_FLOW    | true            |

|                               |  |
|-------------------------------|--|
| Activate                      | true   |
| DUMMY                         | false  |
| tStatCatcher Statistics       | false  |
| Help                          | org.talend.help.tRESTResponse                                      |
| Update components             | true   |
| IREPORT_PATH                  |  |
| JAVA_LIBRARY_PATH             | C:\Program Files (x86)\Talend-Studio\studio\configuration\lib\java |
| Subjob color                  |  |
| Title color                   |  |
| Enable parallel execution     | false  |
| Number of parallel executions | 2  |
| PARALLELIZE_KEEP_EMPTY        | false  |
| Return Body Type              | id_Document  |
| Return status code            | 200  |
| CUSTOM_STATUS_CODE            | 200  |
| REPOSITORY_ALLOW_AUTO_SWITCH  | true   |
| Schema                        | Built-In   |
| Response Headers              | []   |
| Drop JSON Response Root       | false  |
| JSON Array Keys               |  |
| 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 tRESTResponse\_1 :

| Column | Key   | Type     | Length | Precision | Nullable | Comment |
|--------|-------|----------|--------|-----------|----------|---------|
| body   | false | Document |        |           | true     |         |

#### Original Function Parameters: Component tXMLMap

|  |             |                 |           |                 |
|--|-------------|-----------------|-----------|-----------------|
|  | UNIQUE NAME | tXMLMap_1       | INPUT(S)  | tDBInput_1      |
|  | LABEL       | __UNIQUE_NAME__ | OUTPUT(S) | tRESTResponse_1 |

#### Component Parameters:

| Properties                | Values |
|---------------------------|--------|
| tStatCatcher Statistics   | false  |
| Enable parallel execution | false  |
| Keep order for document   | false  |
| Show Information          | false  |
| Comment                   |        |

|                                 |       |
|---------------------------------|-------|
| Use an existing validation rule | false |
|---------------------------------|-------|

**Mapper table for tXMLMap\_1 ( input ):**

**Mapper table Properties( row1 ):**

| Properties        | Values   |
|-------------------|----------|
| Name              | row1     |
| Matching-mode     | ALL_ROWS |
| isMinimized       | false    |
| isReject          | false    |
| isRejectInnerJoin | false    |
| isInnerJoin       | false    |
| expressionFilter  | null     |

**Metadata Table Entries( row1 ):**

| Name                  | Type   | Expression | isNullable |
|-----------------------|--------|------------|------------|
| row1/ customer_id     | long   |            | false      |
| row1/ last_name       | String |            | true       |
| row1/ first_name      | String |            | true       |
| row1/ address_json    | String |            | true       |
| row1/<br>phone_number | String |            | true       |

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

**Mapper table Properties( row2 ):**

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

**Metadata Table Entries( row2 ):**

| Name                             | Type     | Expression       | isNullable |
|----------------------------------|----------|------------------|------------|
| row2/ body                       | Document |                  | true       |
| row2.body:/ root                 | String   |                  | true       |
| row2.body:/ root/<br>customer_id | String   | row1.customer_id | true       |
| row2.body:/ root/<br>last_name   | String   | row1.last_name   | true       |
| row2.body:/ root/<br>first_name  | String   | row1.first_name  | true       |

**Mapper table for tXMLMap\_1 ( var ):**


Mapper table Properties( Var ):

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

Metadata Table Entries( Var ):

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

Component tXMLMap

|   |             |                 |           |                |
|---|-------------|-----------------|-----------|----------------|
|  | UNIQUE NAME | tXMLMap_2       | INPUT(S)  | tRESTRequest_1 |
|   | LABEL       | __UNIQUE_NAME__ | OUTPUT(S) | tJavaRow_1     |

Component Parameters:

| Properties              | Values |
|-------------------------|--------|
| tStatCatcher Statistics | false  |

|                                 |       |
|---------------------------------|-------|
| Enable parallel execution       | false |
| Keep order for document         | false |
| Show Information                | false |
| Comment                         |       |
| Use an existing validation rule | false |

**Mapper table for tXMLMap\_2 ( input ):**

**Mapper table Properties( cust ):**

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

**Metadata Table Entries( cust ):**

| Name         | Type   | Expression | isNullable |
|--------------|--------|------------|------------|
| cust/ custid | String |            | true       |

**Mapper table for tXMLMap\_2 ( output ):****Mapper table Properties( def ):**

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

**Metadata Table Entries( def ):**

| Name        | Type   | Expression  | isNullable |
|-------------|--------|-------------|------------|
| def/ custid | String | cust.custid | true       |

**Mapper table for tXMLMap\_2 ( var ):**

**Mapper table Properties( Var ):**

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

**Metadata Table Entries( Var ):**

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