# SQLS3ImportStep

**Objective:**

It loads the data from s3 based on bucket name and file path and then imports whole data into a particular table which given by user.

**Attributes:**

|  |  |
| --- | --- |
| **Attributes** | **Description** |
| value\_type | To select type as free marker template or handlebar |
| output\_variable | Used to store the response of the request |
| table\_name | Used to store the data into a particular table |
| lines\_terminated\_by | To enter what are the lines to terminate |
| fields\_terminated\_by | To select what are the fields need to terminate |
| header | If header is false then includes the headers else excludes the headers, by default it is false |
| custom\_fields | Used to provide custom fields based on requirement |
| bucket\_name | To give the particular bucket name in s3 to upload data |
| file\_name | To give exact file path in s3 bucket to upload data |
| mysql\_plugin\_name | To connect with mysql server based on the plugin credentials |
| s3\_plugin\_name | To connect with aws amazon based access key and secret key which given plugin |

**Sample config.json:**

{

"server": {},

"workflows": [

{

"id": "sqls3import",

"name": "sqls3import",

"trigger": "rest",

"method": "get",

"expression": "sqls3import",

"steps": [

{

"id": "1",

"type": "sql-s3-import",

"file\_name":"test/qalist1.csv",

"value\_type":"hb",

"output\_variable":"output",

"bucket\_name":"appup-bucket",

"s3\_plugin\_name":"appup\_bucket",

"table\_name":"importstep",

"db\_plugin\_name":"localdb",

"fields\_terminated\_by":",",

"lines\_terminated\_by":"\n",

"header":true,

"custom\_fields":"id,name,bro1,address,email,bro4,bro3,bro2,bro5",

"next":{

"success":"send"

}

},

{

"id": "send",

"type": "send",

"variable\_name": ""

}

]

}

],

"plugins": [

{

"id": "1\_user\_db",

"type": "mysql-plugin",

"server": "localhost",

"username": "root",

"password": "rootnikhil",

"schema": "testing",

"name": "localdb",

"version": "1.0"

},

{

"id": "2\_appup\_bucket",

"type": "s3-plugin",

"name": "appup\_bucket",

"accessKey": "AKIAIVJMBGBK4PRJ3SKA",

"secretKey": "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",

"region": "us-east-1"

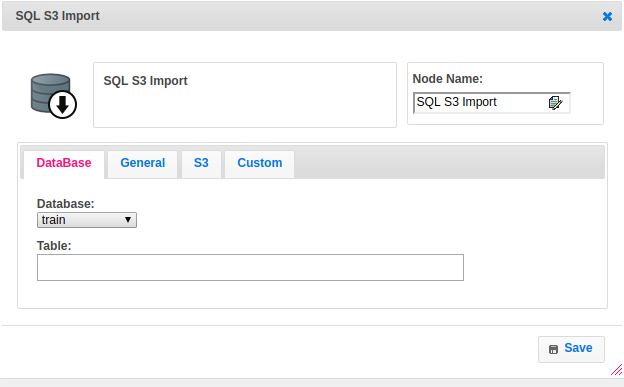
}

],

"filters": [

]

}



**Executor Description:**

* In executor class first it loads the whole data into s3object by using s3 plugin then get inputstream class object by using s3object.
* By using bufferedreader get the data as buffer by buffer and next create a temporary file.
* Convert the byte data as string and write into temporary file by using bufferedwriter then Set delimiter.
* Connect to mysql server by using mysql plugin then Import the csv data into a table which given by user. If user select header as true then exclude headers otherwise it include headers, by default it is false. User can add custom fields and also user can terminate lines as well fields based on requirement.