# Synchronization between two tables in different SQL servers.

## **Steps to load the template to Data Integration Platform**

**Step 1:** Click on the templates from the graph work area to upload the data integration template.



**Step 2:** In template dialog click on the browse button



**Step 3:** Select the xml file and click on open button.

**Step 4:** Now click on import button and then close the dialog.

**Step 5:** We can find the list of sample’s details by drag and drop template icon in graph work area.



**Step 6:** List of sample’s, provided in data Integration.



**Step 7:** Choose ‘**Sync tables in two different sql servers**’sample and click on ‘Add’ button.

 **Step 8:** The group processor enabled on the work area.



 **Step 9:** Double click on the group processor to configure the processors.

##

# **Steps to create the connection with SQL server.**

After loading the Template in to the Data Integration Platform you need to create Connection with SQL server.

**Note** : You need to create two different connection for each server using the below step

## **Step 1 -**

Go to Controller services in the Data Integration Platform.



## **Step 2-**

In the “**Data Flow Settings”**, Navigate to “**Controller Services**” tab.



## **Step 3 -**

Click on “**+**” icon to create new controller service.



## **Step 4-**

In Add controller service window, select “**DBCPConnectionPool**” and click add



## **Step 5-**

In that click on “EDIT” icon to configure the controller services.



## **Step 6:**

In Configure Controller Service give the below details to connect with sql.

|  |  |  |
| --- | --- | --- |
| Field | Format | Example |
| Database Connection URL | Jdbc:sqlserver://<ipaddress>or<hostname>:<portno>;databse=<databasename> | jdbc:sqlserver://localhost:1433;database=demo |
| Database Driver Class Name | com.microsoft.sqlserver.jdbc.SQLServerDriver | com.microsoft.sqlserver.jdbc.SQLServerDriver |
| Database Drive Locations | file:///<Input Directory path for jar>**Note:** Download the sqljdbc jar and give the input directory path for the jar.Link to download - <https://www.microsoft.com/en-in/download/details.aspx?id=11774>  | [file:///C:\Users\Desktop\sqljdbc4-3.0.jar](file:///C%3A%5CUsers%5CDesktop%5Csqljdbc4-3.0.jar)  |
| Database User | Data base user name | username |
| Password | Data base Password | xxxxx |

Give the required details and click on apply.



## **Step 7:**

Click on enable symbol and click on the enable button from enable controller service dialog.





## **Step 8:**

After enabling the services close the process group configuration dialog. Now the connection established with SQL server.



### **Step 9:**



# **Description about the Workflow**

## **QueryDatabaseTable**



* Right click on the **QueryDatabaseTable** and configure the values.



|  |  |
| --- | --- |
| * **Property**
 | * **Value**
 |
| * Database Connection Pooling Service
 | * Created DBCP connection pool
 |
| * Table Name
 | * Your source table
 |
| * Maximum-value Columns
 | * modified\_timestamp(lastupdate timestamp column)
 |

* Scheduling-
* In the scheduling tab, we can configure the Scheduler of the workflow. In the template, we have configured interval of 30 secs.



## **EvaluateJsonPath**



* Right click on the processor and navigate to properties.



* In this you need to add the column name based on the tables. Let’s consider an example,

**Table schema:**

* 
* You need to specify the new property values as below.



* Click on add New Property to add the attribute of the table schema.



* Once added the properties the values in the Tables are moved the appropriate “AttributeNames”.

## **SQLSERVER\_2**



* In this processor, we need to check whether the record present in the Target table or not.
* Note: - Please select the “Database Connection Pooling Service” for the **TARGET** table



## **SQLSERVER 2\_Insert**



* You need to specify “Database Connection Pooling Service” for the **TARGET** table to Insert and update the data in source table.

