This tutorial explains how to work with the custom component called: **ELTMSSqlQueryOutput**

Objective: The **ELTMSSqlQueryOutput** can be used when users are not granted to write on the database running the EL-T process. Therefore, they can't use the standard tELTMSSqlOutput component provided by Talend.

NOTE 1: This component is intended to get the SQL query build in a tELTMSSQLMAP and use it outside the EL-T subjob.

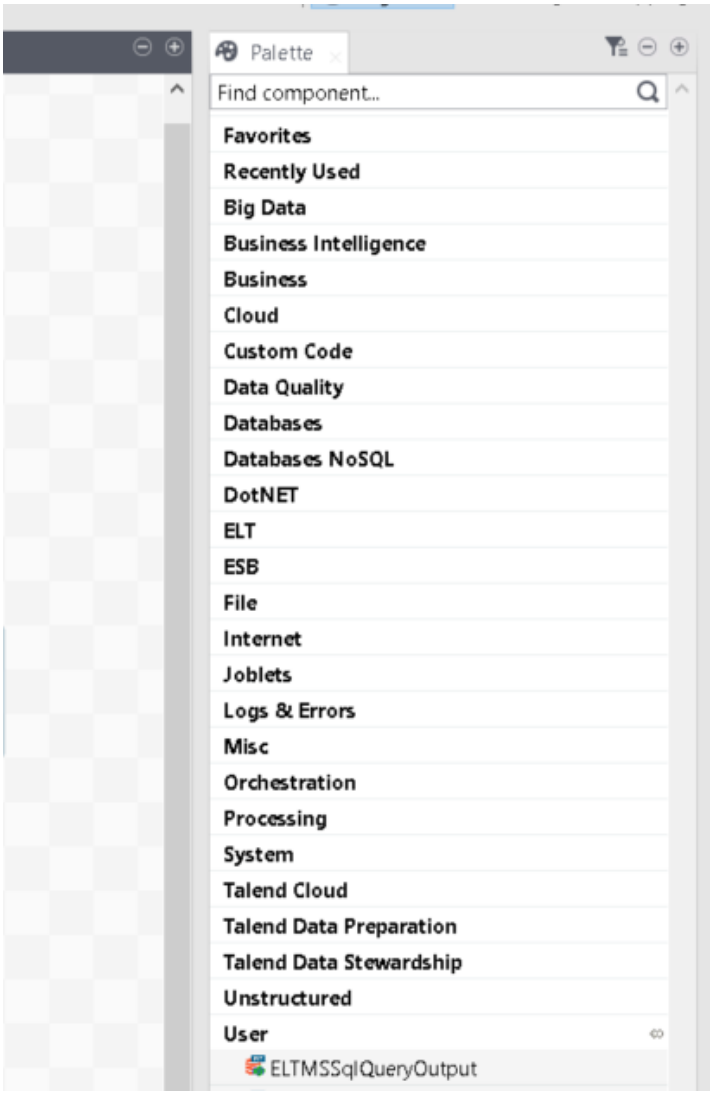
NOTE 2: it only works for Microsoft Sql Server Data Bases.

NOTE 3: This component doesn't execute any process in the source DATA BASE.

NOTE 4: First see these instructions to know how to install this component:
https://help.talend.com/reader/QDC7DnW3S_chYXXornFuGw/3QRqVgh0vXKx3BPeUidHZw

NOTE 5: It only works on versions 7.1.1 and 7.2. It has not been tested in other versions of Talend.

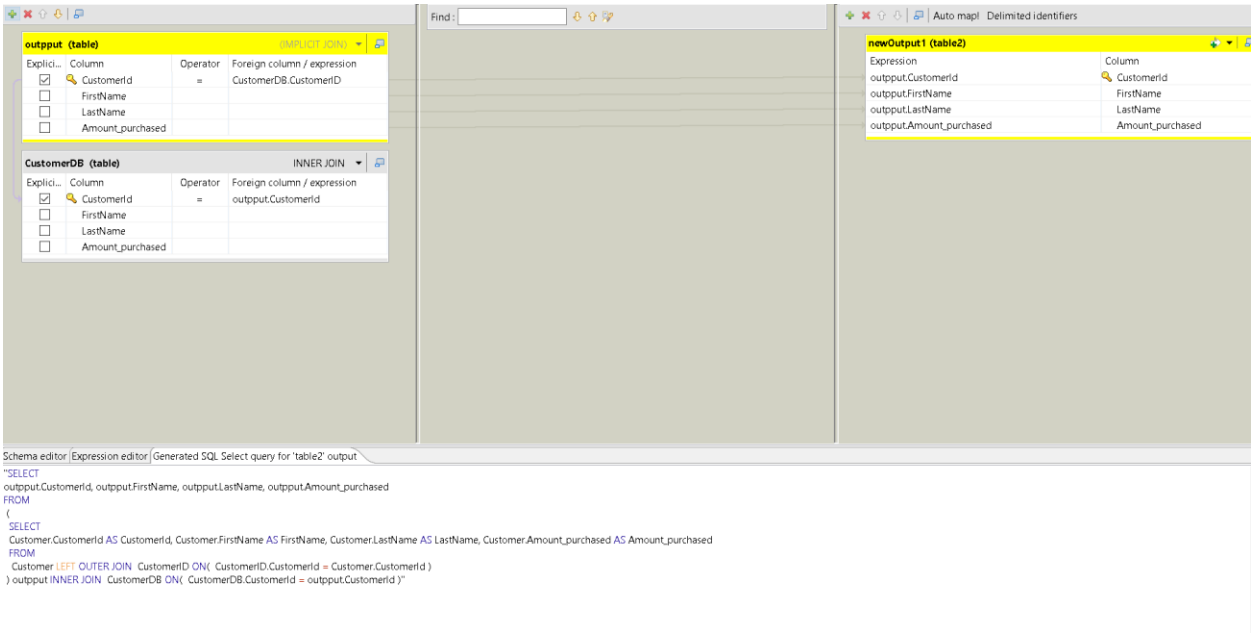
Once the component is properly installed, users will see it in the User Section within the Palette:



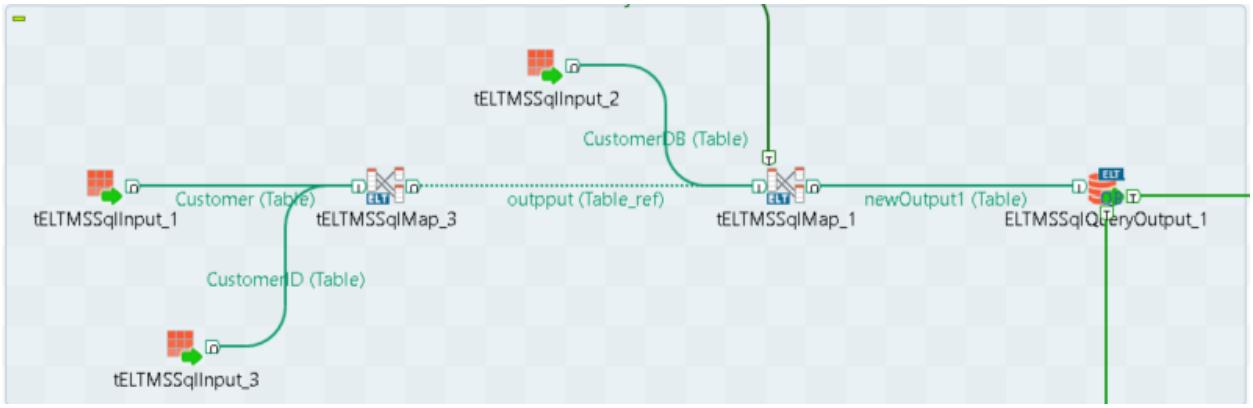
Before using this component, please, see this tutorial to know how ELT works:
https://help.talend.com/reader/mjoDghHoMPI0yuyZ83a13Q/M~_1i4Ogg0W02FXUwKirrA

Once, it’s installed, follow these steps to use the component properly.

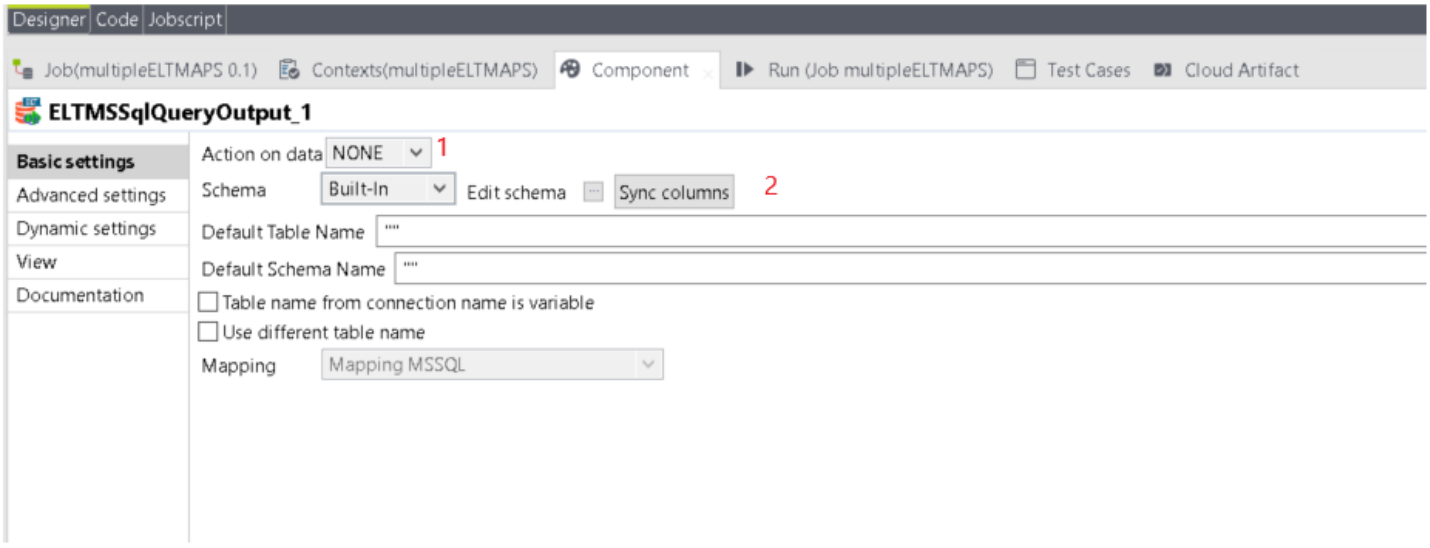
1. Create a standard ELT job using MS SQL DB. The **ELTMSSqlQueryOutput** component will take the SQL query presented in the “Generated SQL” Tab and exposed as an outline result.



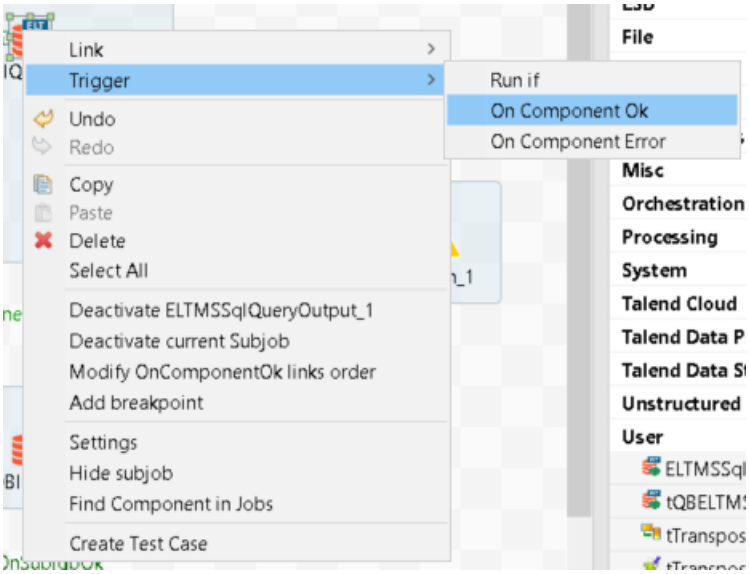
2. Once the final tELTMSSQLMAP contains the expected query, drag and drop the component into the canvas and connect the output of the ELTMSSQLMAP to the **ELTMSSqlQueryOutput**

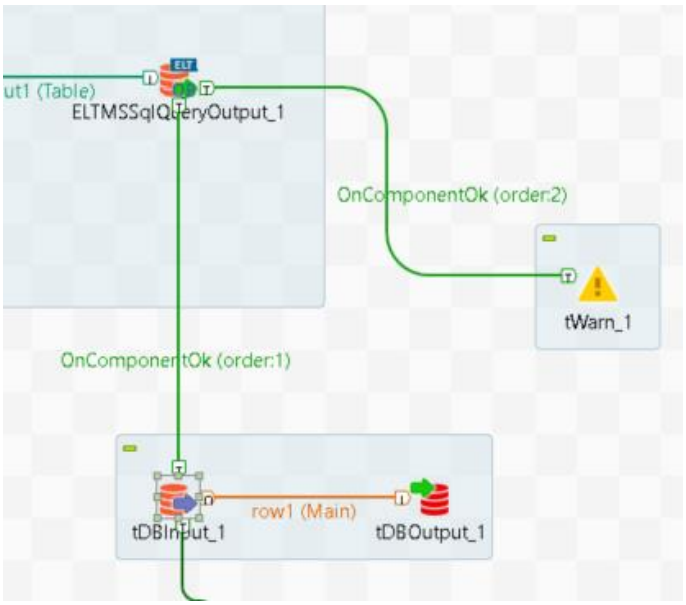


3. Click on the **ELTMSSQLQueryOutput** and see the component tab



4. Change **“Action on Data”** to **‘NONE’** and click on **“Sync columns”**
5. Right click on the component and select **Trigger>On Component OK.** Connect the arrow to a standard **“MSSQLInput”**





6. Click on the **MSSqlInput** component and see the Component tab. Type this instruction within the query box:

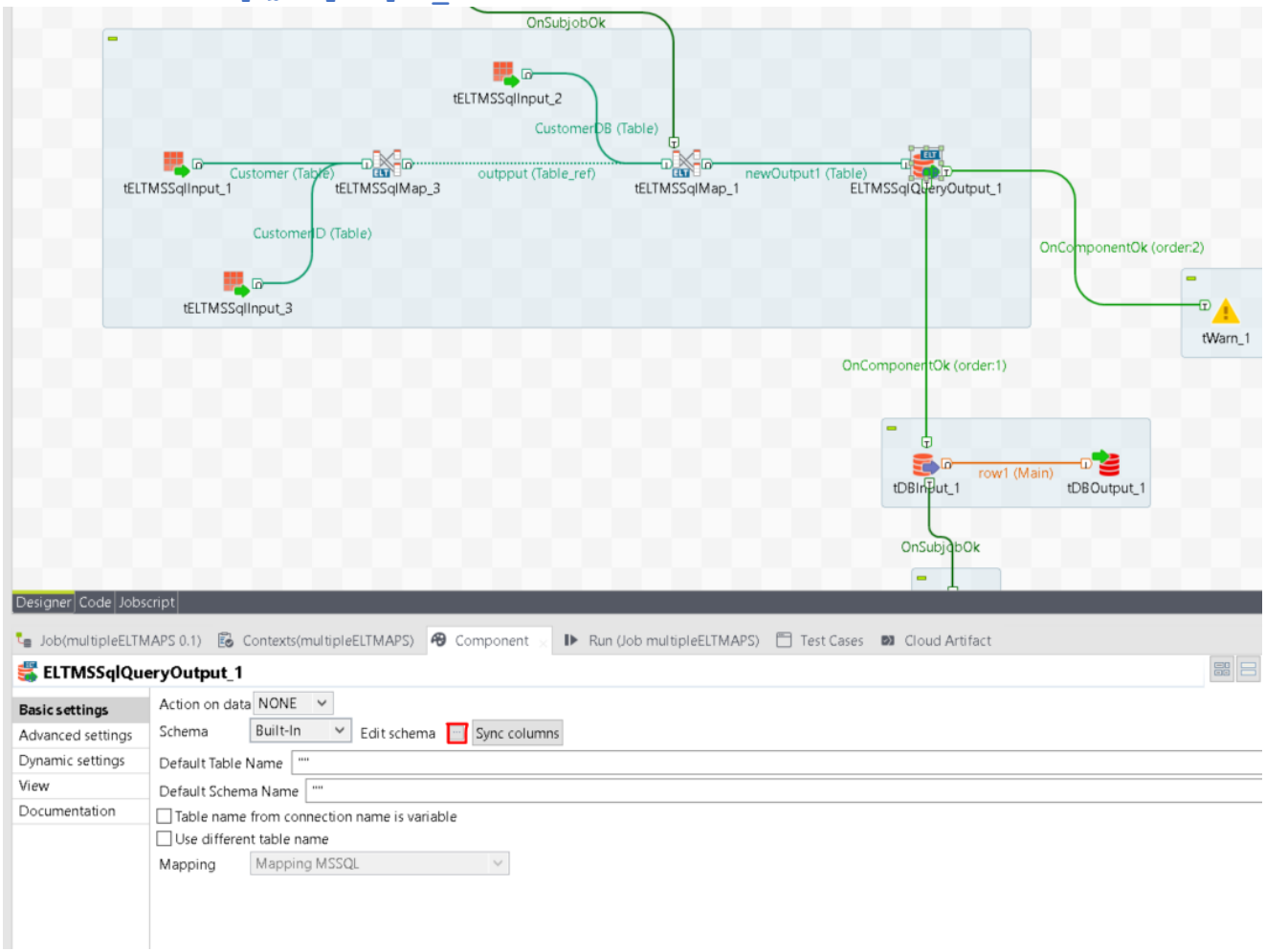
```
((String)globalMap.get("[Name of the ELT MSSQL QueryOutput]_NB_LINE_QUERY"))
```

In our case the `ELT MSSQL QueryOutput is called` **`ELTMSSqlQueryOutput_1`**, so, the instruction should be like this:

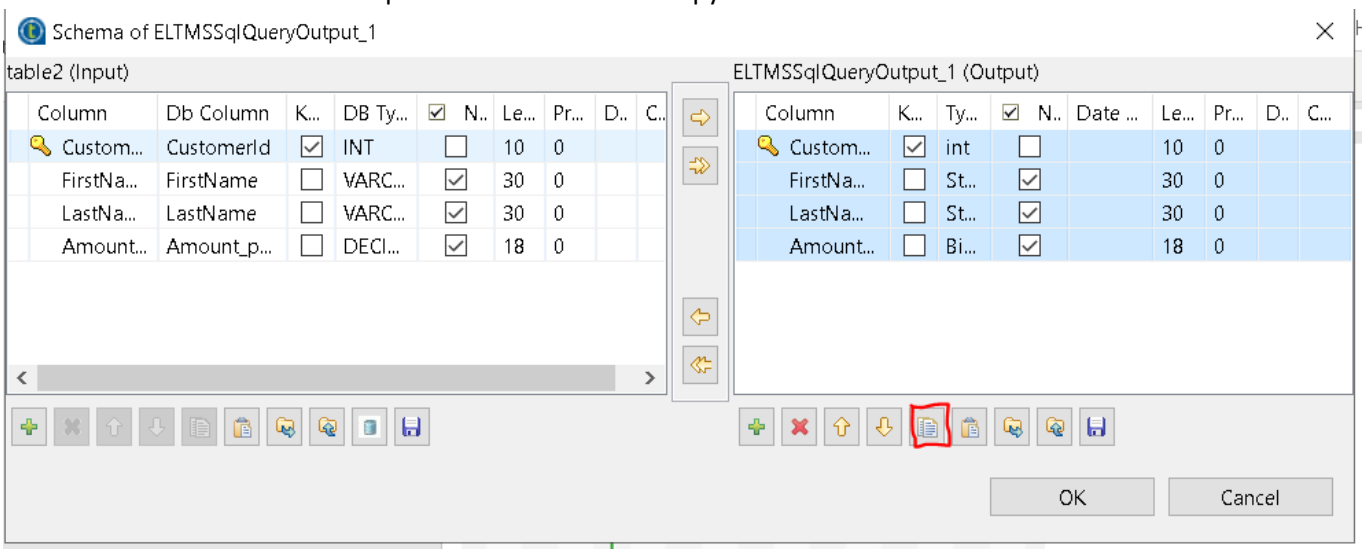
```
((String)globalMap.get("ELTMSSqlQueryOutput_1_NB_LINE_QUERY"))
```

In this instruction, Talend will take the query generated in the ELT process and use it in the MSSql Input component.

7. Copy and paste the metadata defined in the **ELTMSSqlQueryOutput_1** into the MSSQL Input.
   a. Click on the **ELTMSSqlQueryOutput_1** then click on "**Edit Schema**".



   b. Select all the columns in the output metadata and click copy schema.



   c. Click on the **MSSqlInput** component then "**Edit Schema**". Paste the metadata copied in the previous step by clicking this icon 

8. Finally, continue with you ETL process as usual. In this case, Talend is taking the query generated in the ELT process, execute it within the MSSQL Input and send the results to an Oracle DB using a **tOracleOutput**.