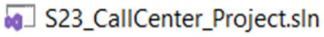
GUIDE FOR EXECUTING THE ETL PROJECT IN SSIS & SQL SERVER

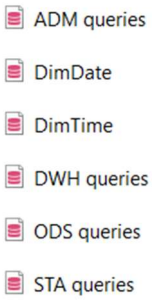
To be able to execute this SSIS project on your PC, you will need to make some parameters changes.

STEP 1 >>> Upload the Zip File

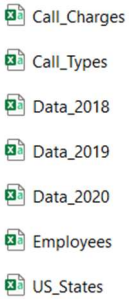
- **Upload the SSIS Solution** *(File > Open > Project/Solution)*



- **Create the tables on SQL Server**
  >> Four database : STA / ODS/ DWH/ ADM *(Script provided)*
  >> DimDate & DimTime are part of the DWH database

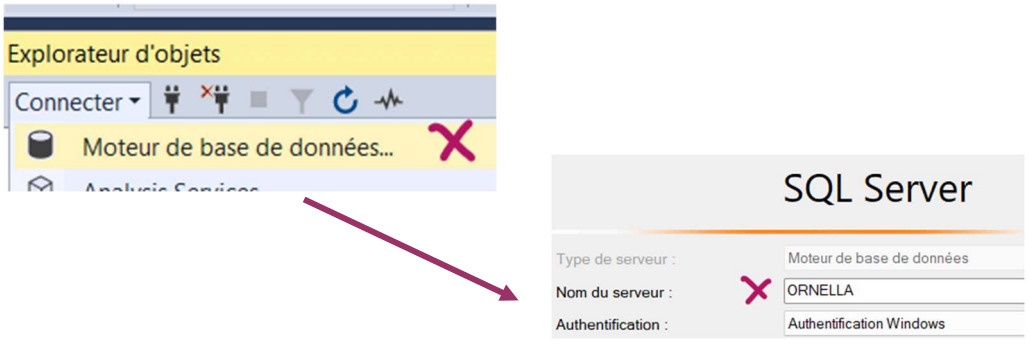


- **Upload the datasets on your PC**



Once everything is ready in your computer, you can start operating the changes.

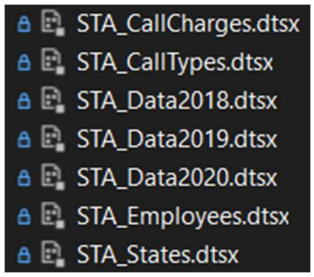
You will need to update the server and put yours. If you don't know the name of your server, you can find it on SQL, by clicking "**Connect**" and "**Database engine**".



STEP 2 >>> STA Packages

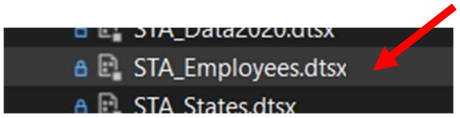
We will start by updating the STA Packages. The main changes are the "Connection Managers" (Server + Database) and the upload of the datasets (tables)

STA_Packages are the following :

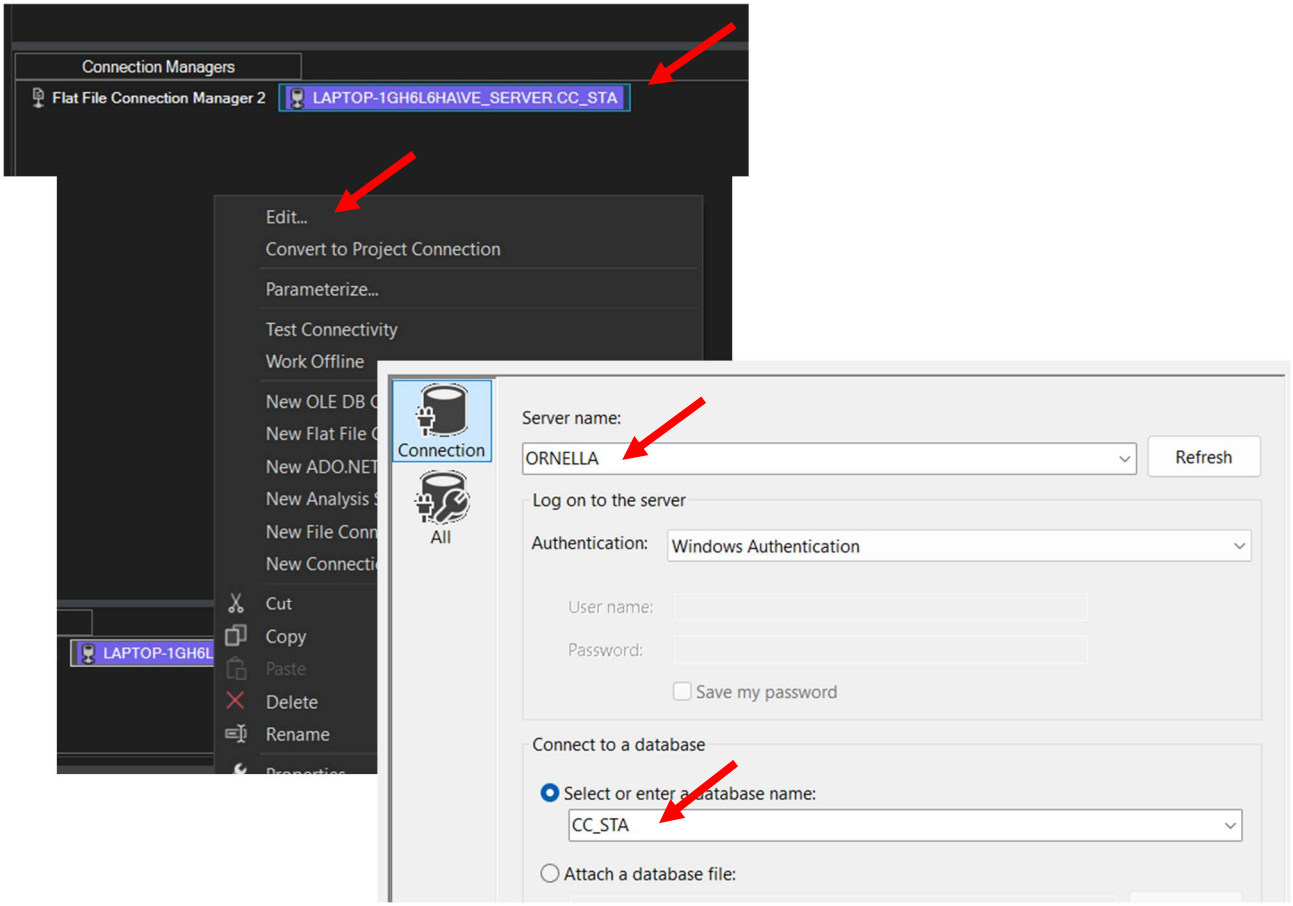


STEPS :

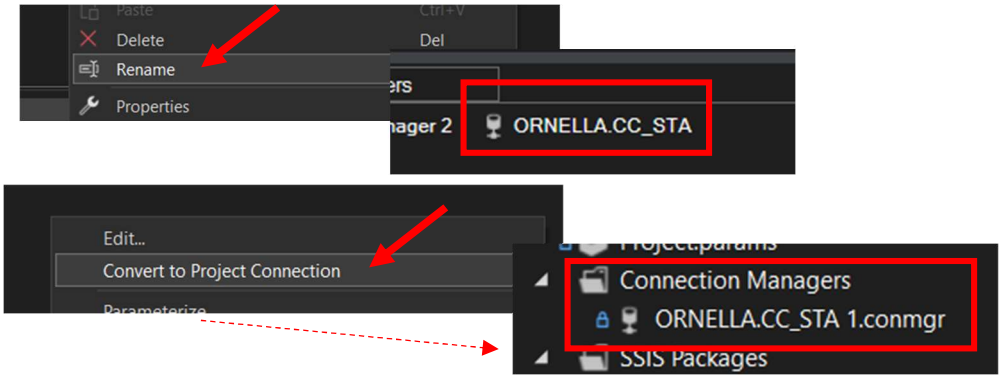
1. On the right, Double-Clic the Package 'STA_Employees'



2. At the bottom, on the 'Connection Manager' tab : Right-Clic + Edit
3. Put your server name & connect to the database 'STA' *(you created it in step 1)* + OK

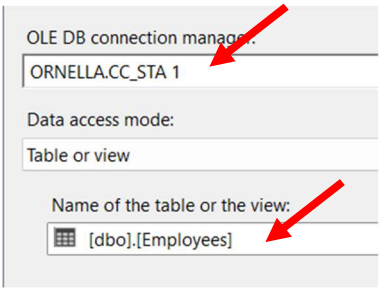


4. Right-Clic again &rename the connection "**YourServer.DatabaseName**" *(Here : ORNELLA.CC_STA)*
5. Right click and select " Convert to Project connection" => STA is now connected



6. Select "DataFlow" on the top, and open 'OLE_DST' Tab *(Double-Clic)*

7. Choose the Database STA
8. Upload the corresponding table *(Here: "STA_Employees" >> You saved it on your PC at Step 1)*



FOR THE OTHER STA_Packages :

You only need to :

1. Open every STA_Package and delete the previous server in the "Connection Managers" => **Keep only yours.**

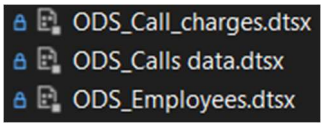
2. Upload the corresponding table on the 'OLE_DST' Tab *(Cf. Employees - Point 6-8)*
   >>> OLE DB Connection manager : **STA**
   >>> Table name : **Select the one corresponding to the package**

- STA_PACKAGES ARE NOW READY -

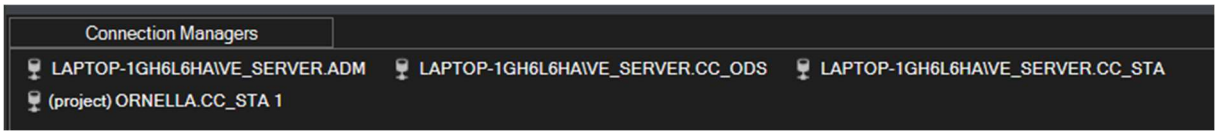
STEP 3 >>> ODS Packages

For ODS_Packages, the process is similar to STA : Adapting the “Connection Managers” & Updating Database / Tables.

ODS_Packages are the following :

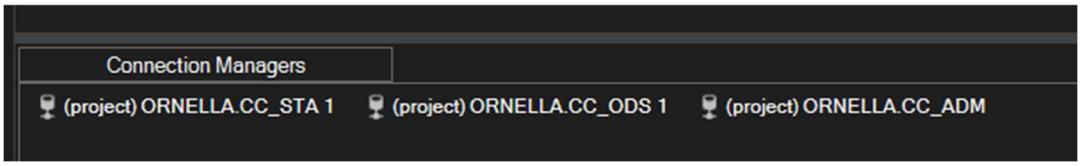


ODS_Employees :



Here, you’ll need to :

- Change the ODS and ADM “Connection Managers” *(as we did previously for STA_employees)*
- Rename them
- Convert them into “Connection”
- Delete the Previous STA connection *(Here : LAPTOP-1GH6L6HA\VE_SERVER)*



Now Double-clic these tabs & update the Database & the Tables :

>>> OLE DB Connection manager : **STA**
>>> Table name : **Employees**

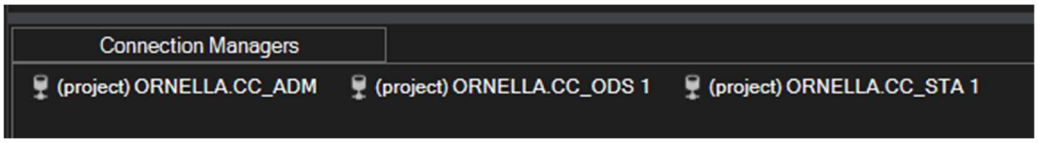
>>> OLE DB Connection manager : **STA**
>>> Table name : **States**

>>> OLE DB Connection manager : **ODS**
>>> Table name : **Employees**

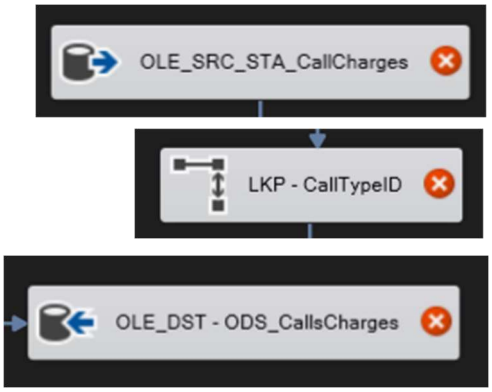
>>> OLE DB Connection manager : **ADM**
>>> Table name : **Technicals Reject**

ODS_Call_Charges *(Same as above)* **:**

Now, only delete the servers that are not yours :



And replace “Connection Managers” and Table as below :

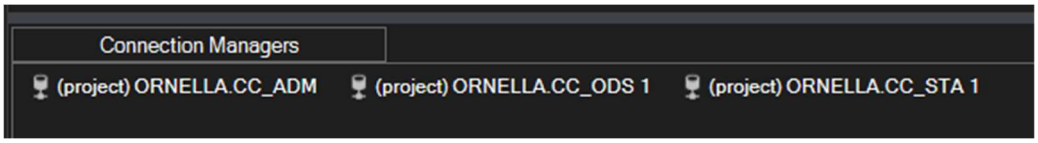


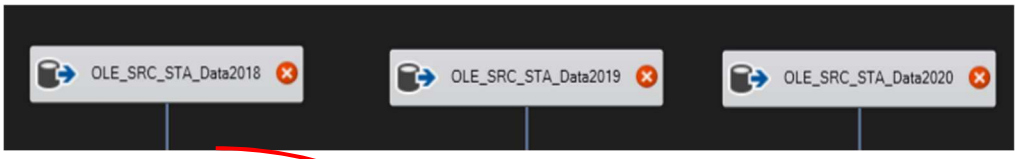
>>> OLE DB Connection manager : **STA**
>>> Table name : **CallCharges**

>>> OLE DB Connection manager : **STA**
>>> Table name : **CallType**

>>> OLE DB Connection manager : **ODS**
>>> Table name : **CallCharges**

ODS_Call data *(Same as above)* **:**





>>> OLE DB Connection manager : **STA**
>>> Table name : **Data2018 / 2019/ 2020**

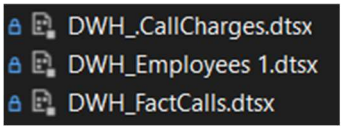
>>> OLE DB Connection manager : **ODS**
>>> Table name : **CallData**

- ODS_PACKAGES ARE NOW READY -

STEP 4 >>> DWH Packages

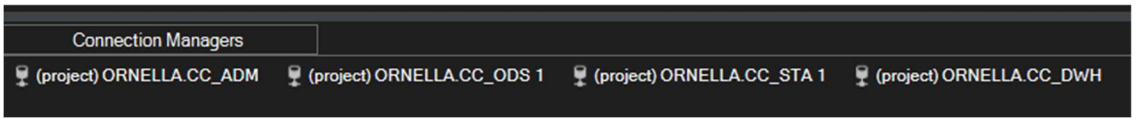
Same process as above

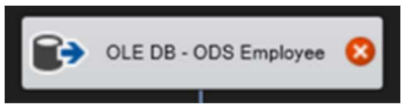
DWH_Packages are the following :



+ DimDate & DimTime *(Created in SQL directly)*

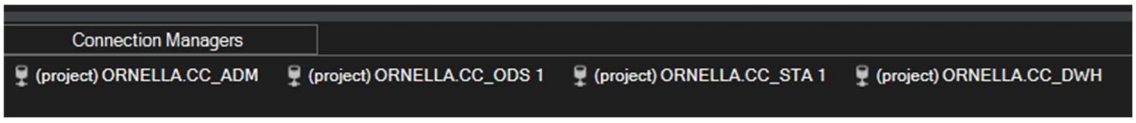
DWH_Employees :

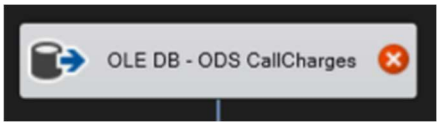




>>> OLE DB Connection manager : **ODS**
>>> Table name : **Employees**

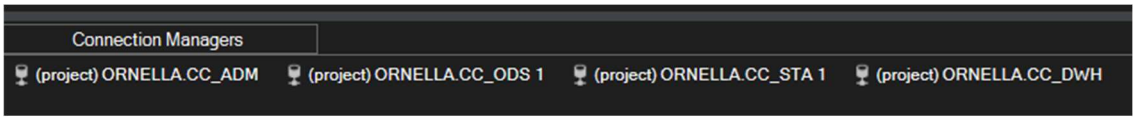
DWH_CallCharge :

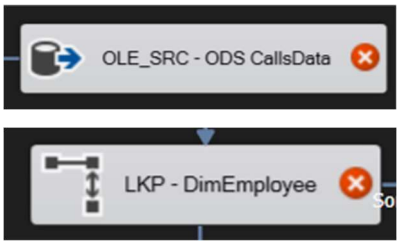




>>> OLE DB Connection manager : **ODS**
>>> Table name : **CallCharges**

Fact_Calls :





>>> OLE DB Connection manager : **ODS**
>>> Table name : **CallData**

>>> OLE DB Connection manager :**DWH**
>>> Table name : **Employees**

>>> OLE DB Connection manager : **DWH**
>>> Table name : **CallCharges**

>>> OLE DB Connection manager : **DWH**
>>> Table name : **DimTime**

>>> OLE DB Connection manager : **DWH**
>>> Table name : **DimDate**

>>> OLE DB Connection manager : **DWH**
>>> Table name : **FactCalls**

>>> OLE DB Connection manager : **ADM**
>>> Table name : **Functional rejects**

***** Now you can execute the package *****