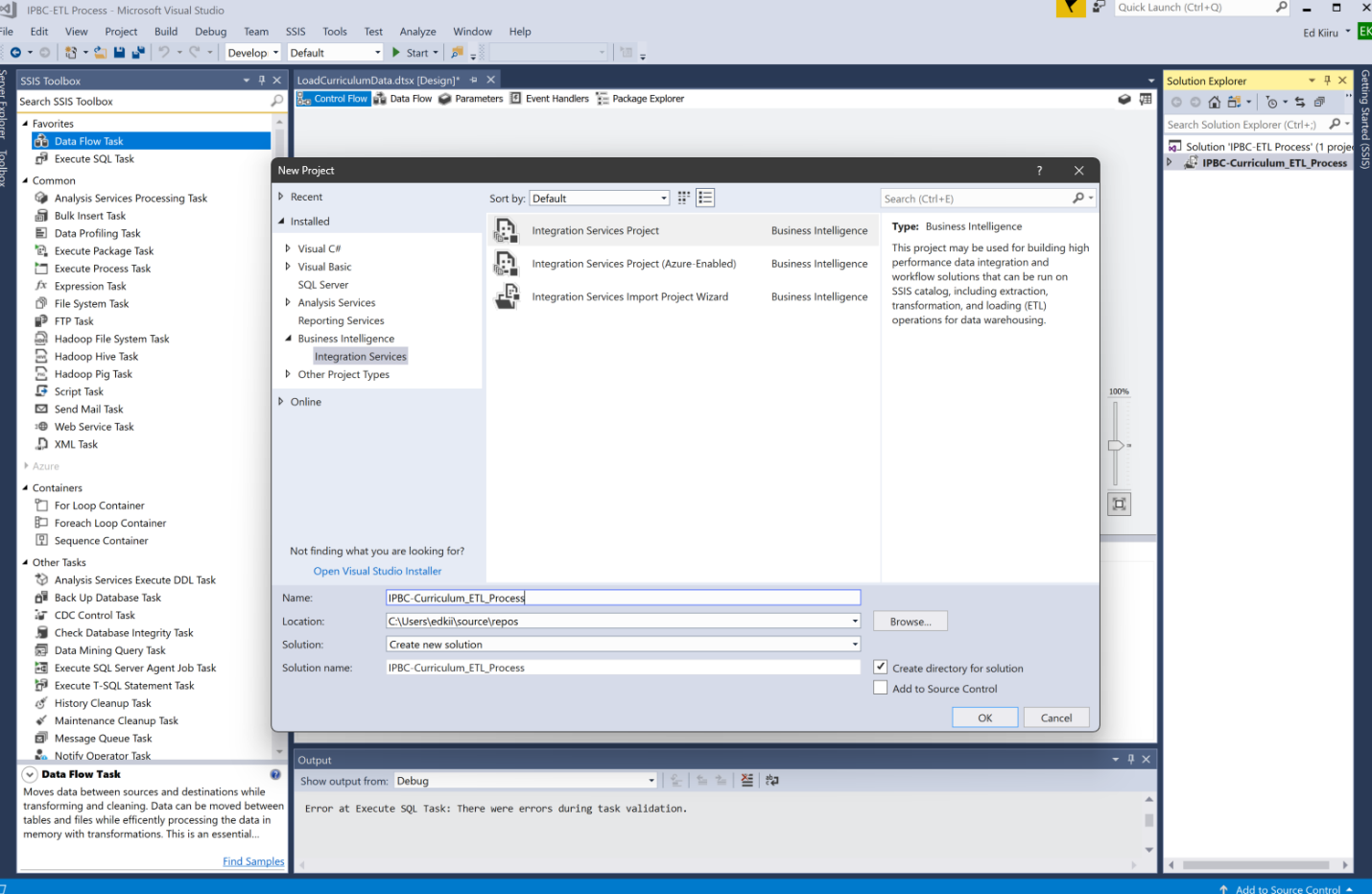
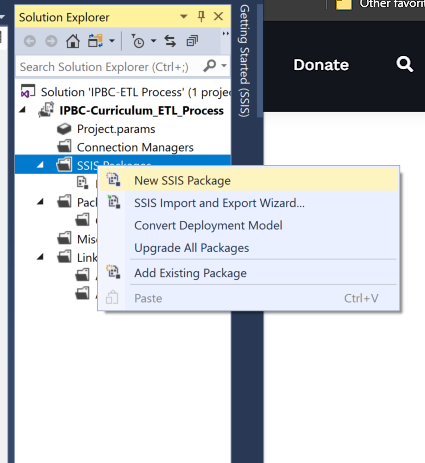
ED KIIRU

ETL PROCESS



Opened Visual Studio And started a new integration service project called IPBC Curriculum\_ETL\_Process



Started a new SSIS Package called LoadCurriclumumdata

A screenshot of a computer

Description automatically generated

Created a control flow to load the Excel workbook sheet to Course and load it to the curriculum database. Used an Execute SQL task for a truncated SQL Script as the first task.

A screenshot of a computer

Description automatically generated

Execute SQL settings for the truncate task

A screenshot of a computer

Description automatically generated

I created a data flow task named Load Course. I added an Excel source transformation which fetched the Excel files and an OLE DB Destination to load to the destination tables—also created the Excel connection Manager to fetch the file to the source transformation.

A screenshot of a computer

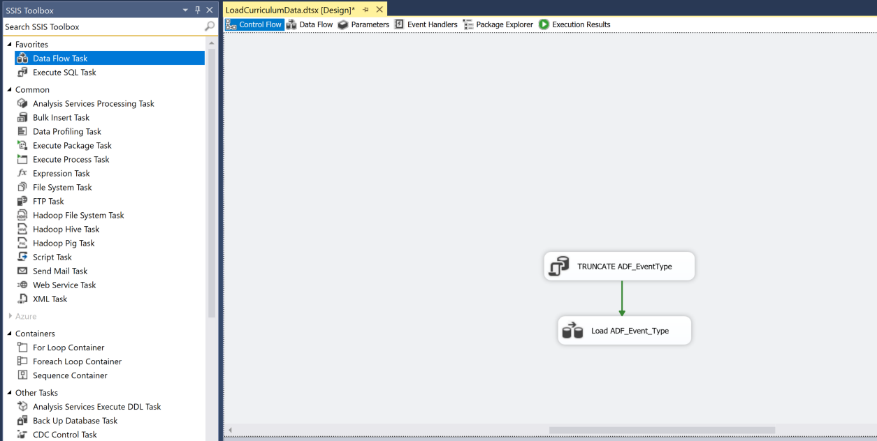
Description automatically generated

Excel Source editor settings

A screenshot of a computer

Description automatically generated

Replicated the same data flows and tasks for the other 2 Excel sheets

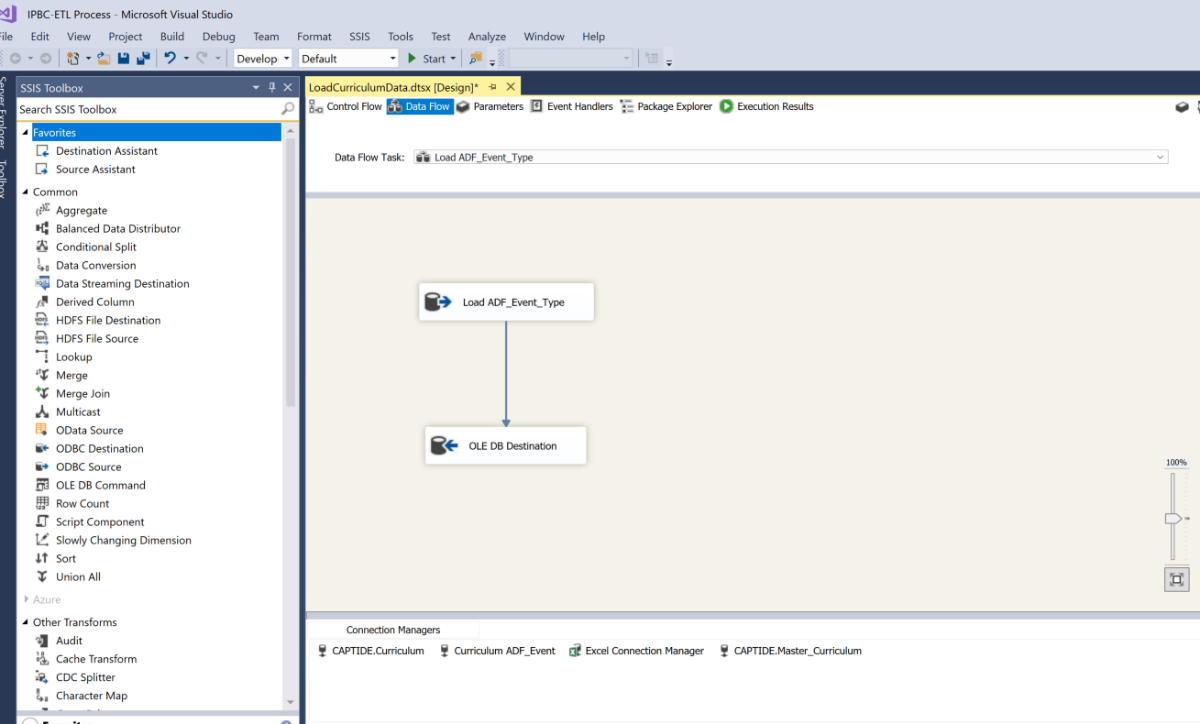


Created a new Control flow using an Execute SQL Task to run a truncate task on table ADF\_EventType and connected it to a Data Flow called Load ADF\_EventType

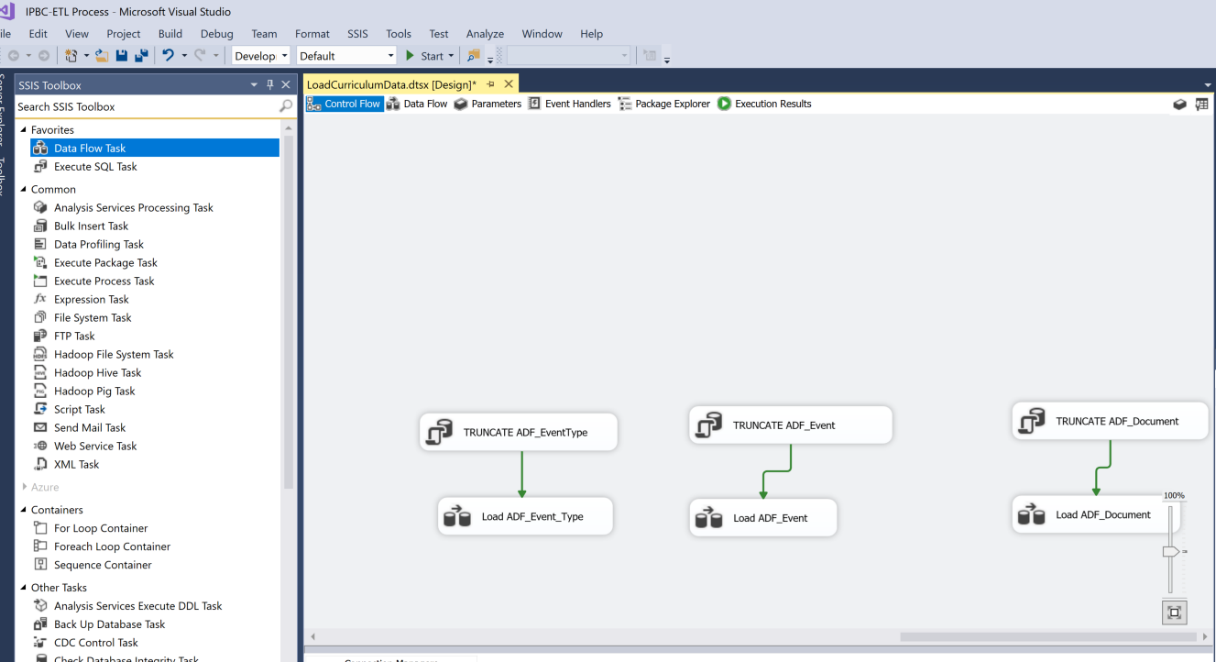
A screenshot of a computer

Description automatically generated

Run the ETL-Diagram SQL script in the SQL server verify it's ok, and create a new temporary database, called Master\_curriculum.



In the Dataflow I used OLE DB Source Transformation to load data from the ADF\_EventType table from Master\_Curriculum. Configured and connected it to the OLE DB Destination Transformation loading the files to the ADF-EventType table in the Curriculum database. Created 2 new connection managers Captide: Curriculum and Captide: Master\_curriculum

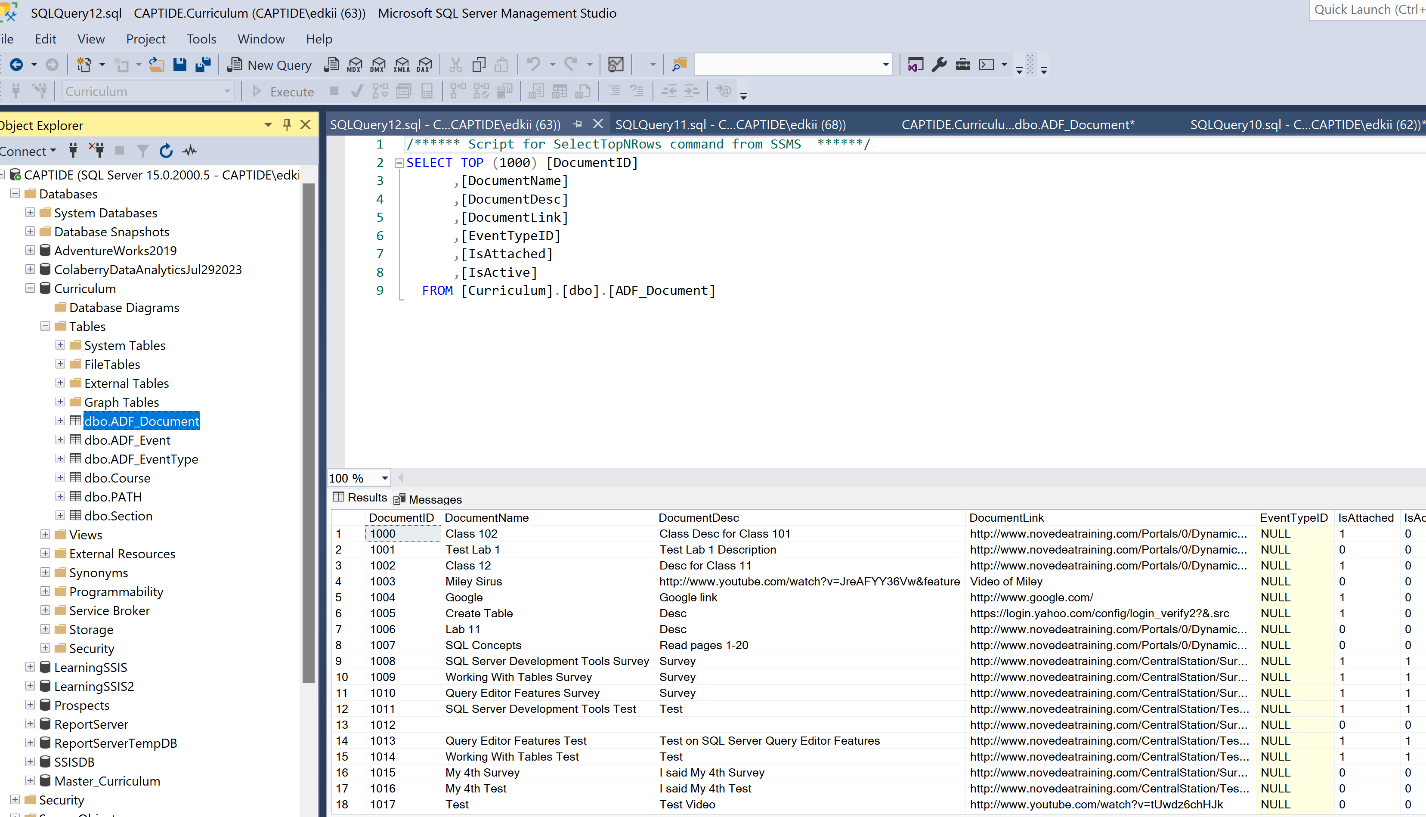


Replicated the same setup above to the other 2 tables from the ETL\_Diagram SQL script loading them to ADF\_Events and ADF\_Documents Tables in the curriculum database

A screenshot of a computer

Description automatically generated

Executed the whole package and verified all the processes run and loaded data to the Curriculum table. Repeated 3 times with successful replication.



The curriculum database has six tables which are updated every time the package is executed