Plan execution:

1. oracle developer – create\_ddl\_exit.sql
2. talend – execute job Exit\_task\_load\_Maryna
3. talend – execute job Exit\_task\_dim\_Maryna
4. talend – execute job Exit\_task\_fct\_Maryna
5. oracle developer - drop\_ddl\_exit.sql

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

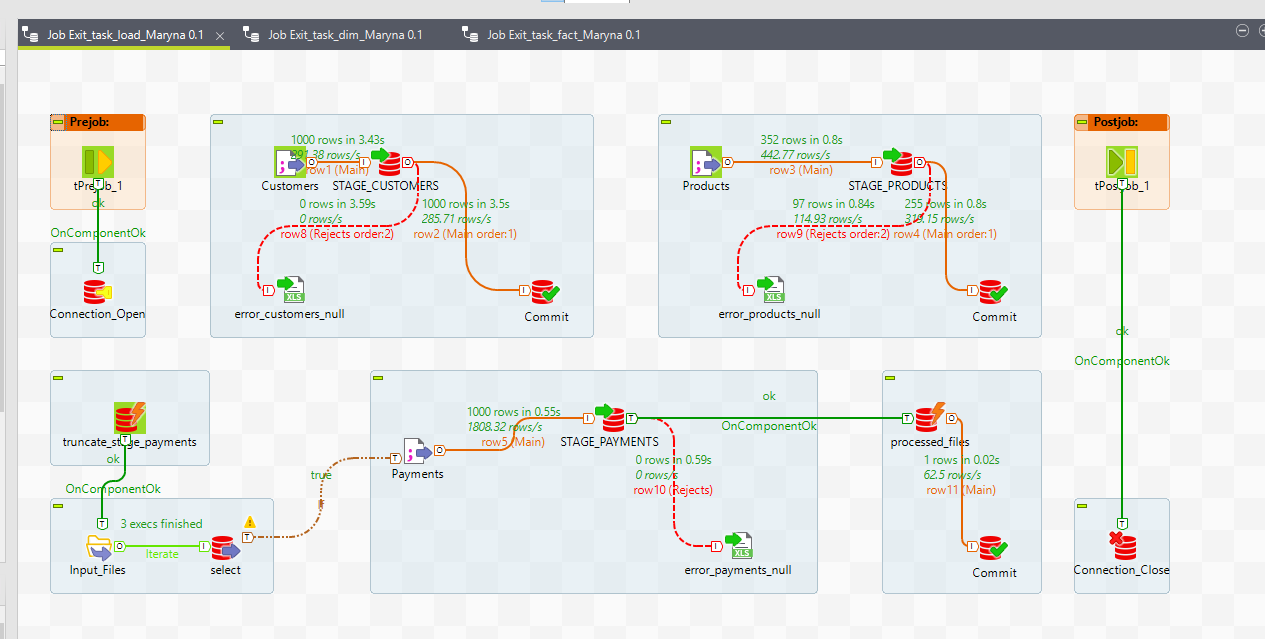
Firstly you need execute script for creating all necessary objects - create\_ddl\_exit.sql. It creates all tables with primary key and foreign keys, and sequences.

Secondly you need execute three jobs Exit\_task\_load\_Maryna, job Exit\_task\_dim\_Maryna and execute job Exit\_task\_fct\_Maryna consequentially.

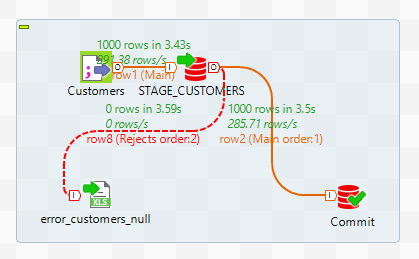
**Exit\_task\_load\_Maryna** loads data from csv files into tables stage level - stage\_customers, stage\_products and stage\_payments. In this process, all incorrect entries are recorded in the xls files: error\_customers\_null, error\_products\_null and error\_payments\_null. For instance, all products without campany name is written into error\_products\_null.

Features:

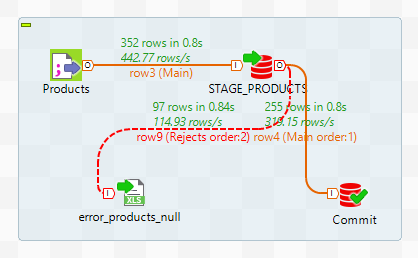
1. all tables are truncated before new loading.
2. all files payments that corresponding to the mask Payments\*.csv are loaded in turn
3. to load payments is used table stage\_pay\_list: before loading the file name is compared with information into this table, after loading – the file name is written to it.



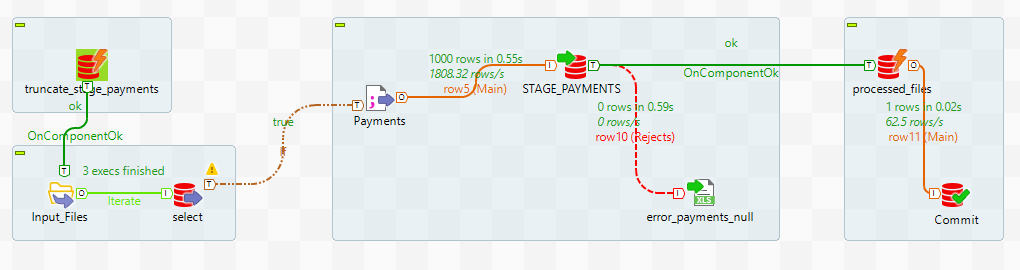
Loading stage\_customers:



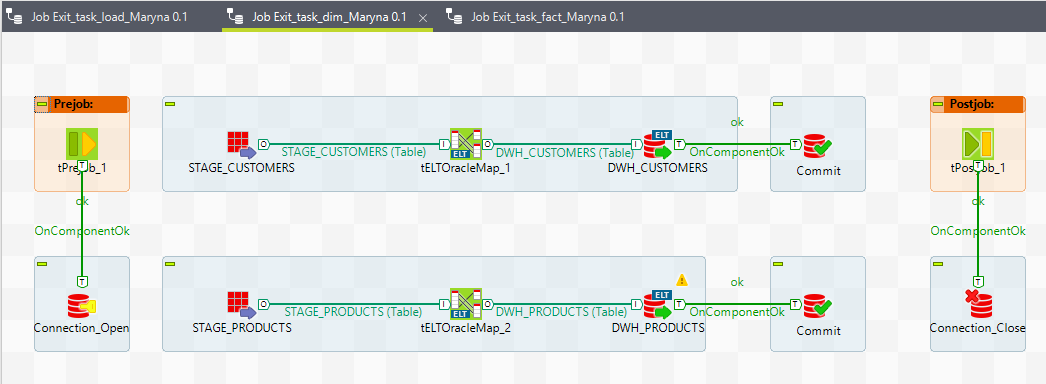
Loading stage\_products:

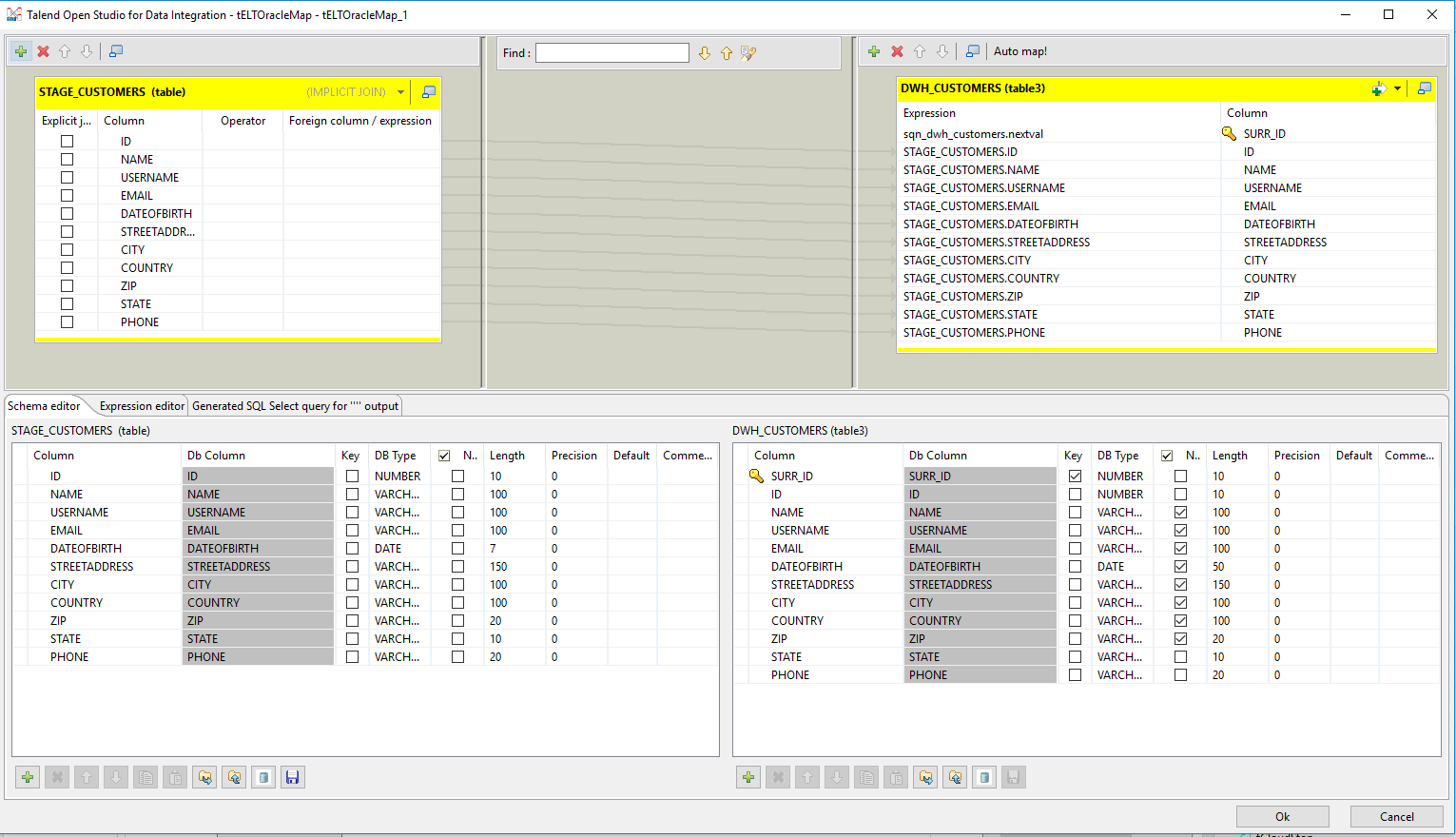


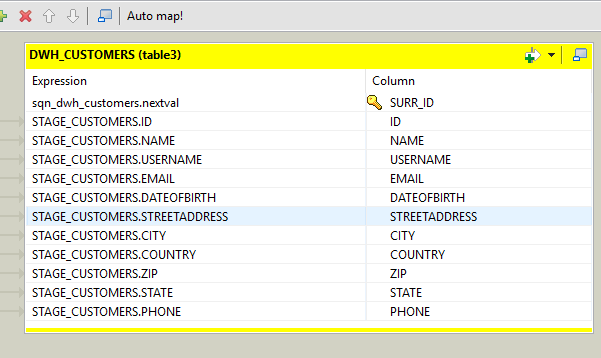
Loading stage\_payments:



**Exit\_task\_dim\_Maryna** loads data from tables’ stage level into dimensions dwh dwh\_customers and dwh\_products. These tables have primary surrogate keys which generated with help of sequences sqn\_dwh\_customers and sqn\_dwh\_products.



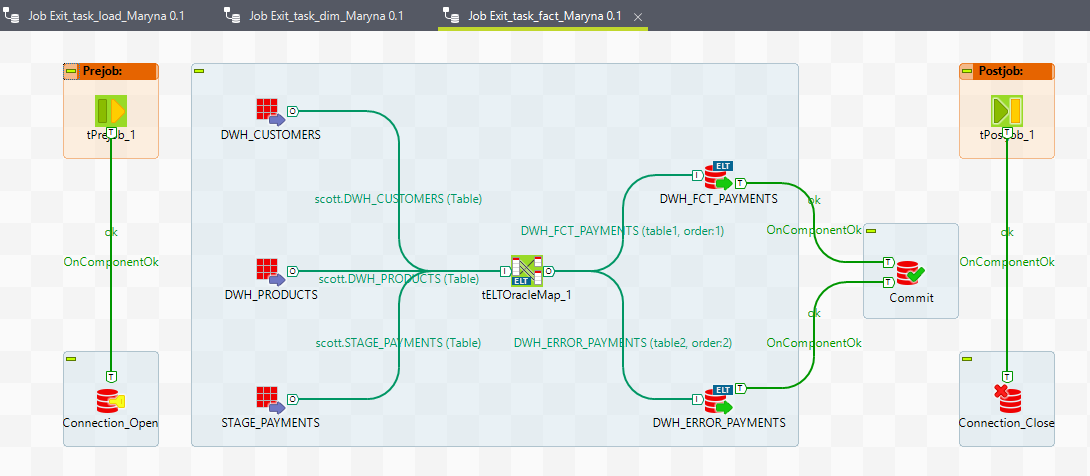


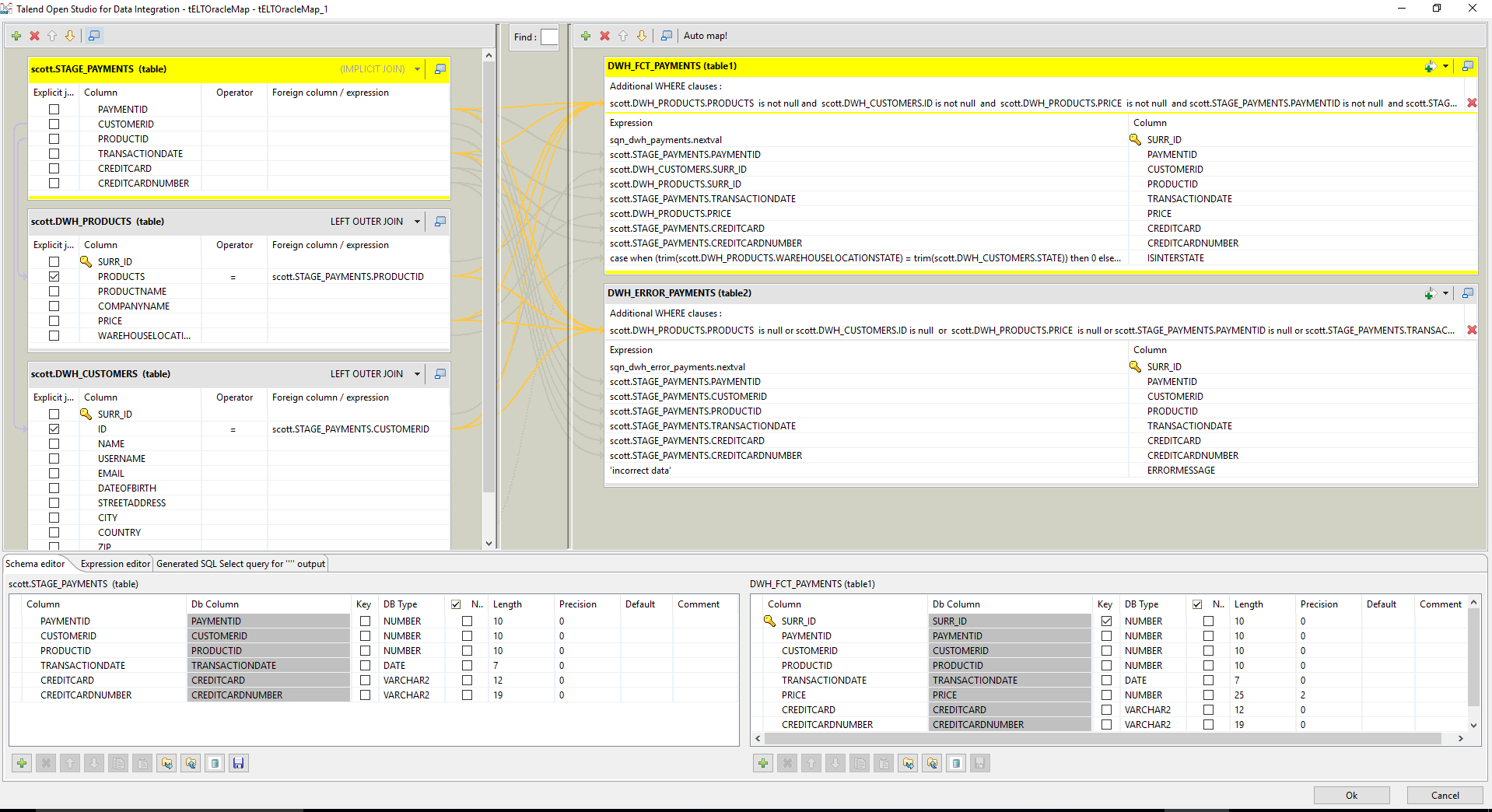


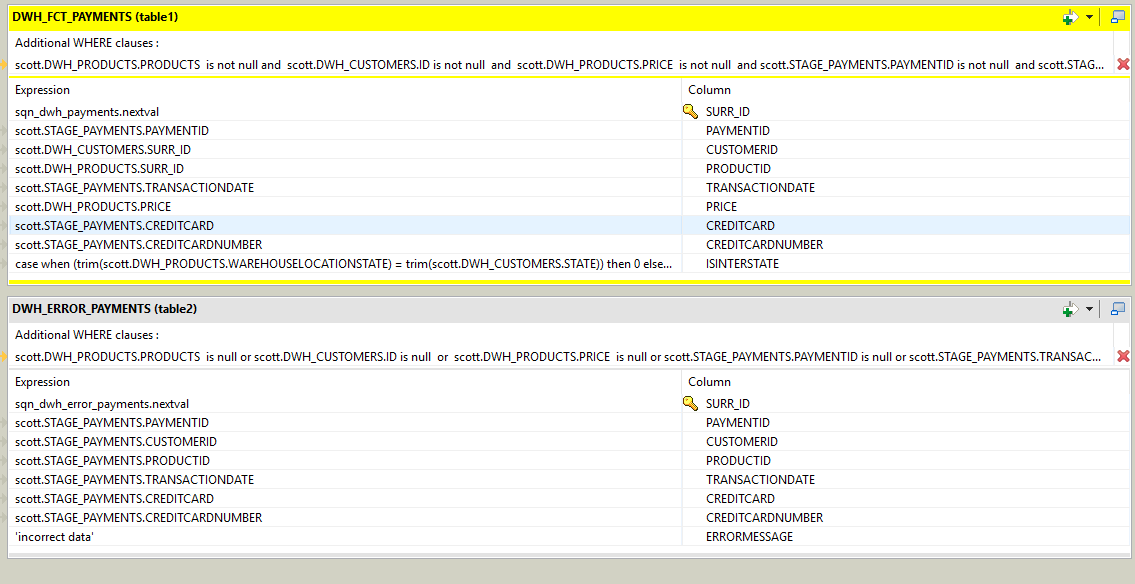
**Exit\_task\_fct\_Maryna** loads data from tables’ stage level into fact table sqn\_dwh\_payments. This table has primary and foreign keys which connected with tables dwh\_customers and dwh\_products. All entries that have ID in these tables and a filled price are recorded in this table. All other entries are loaded into the table dwh\_error\_payments as mistaken. These tables have primary surrogate keys which generated with help of sequences sqn\_dwh\_payments and sqn\_dwh\_error\_payments.

Also added an additional column KPI IsInterState calculated by the formula:

case when (trim(prod.WAREHOUSELOCATIONSTATE) = trim(cust.STATE)) then 1 else 0 end KPI







Finally you need execute script for dropping all created objects - drop\_ddl\_exit.sql