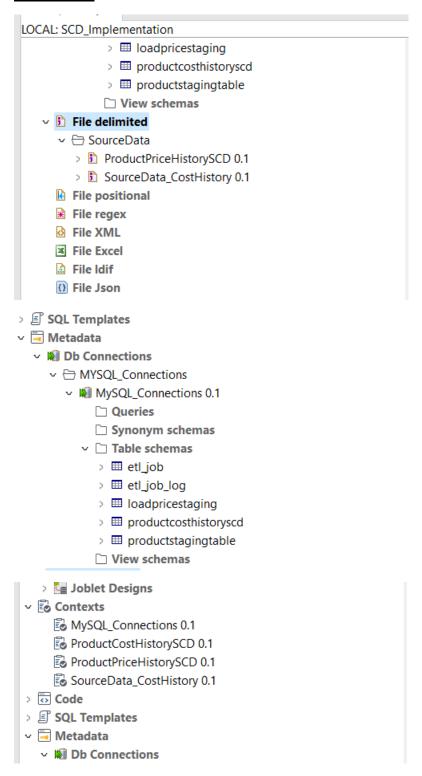
# <u>Talend SCD implementation with Audit Logging and Orchestration pipeline (Individual Submission)</u>



```
V Standard
V MainOrchestration
Main_Orchestration 0.1
V PostJob
Post_job_log 0.1
V PreJob
Pre_job_log 0.1
V PreTask
Load_Product_Cost_History 0.1
Load_Product_Price_History_SCD 0.1
V Staging
Staging_Job 0.1
StagingTablePrice 0.1
```

## 1. DDL scripts for

a. etl job

```
Query 1 SQL File 3* SQL File 4* SQL File 5* SQL File 6* SQL File 7* ×

| SQL File 3* SQL File 4* SQL File 5* SQL File 6* SQL File 7* ×

| SQL File 7* ×

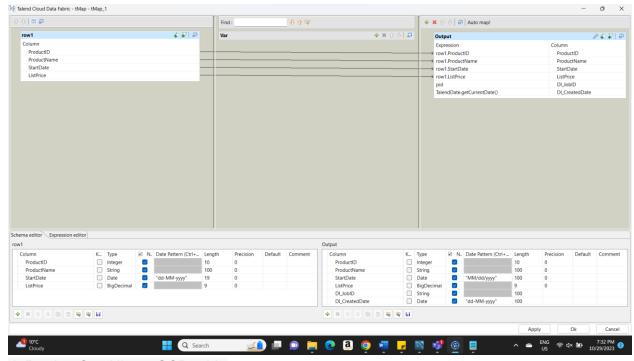
| SQL File 3* SQL File 4* SQL File 6* SQL File 7* ×

| SQ
```

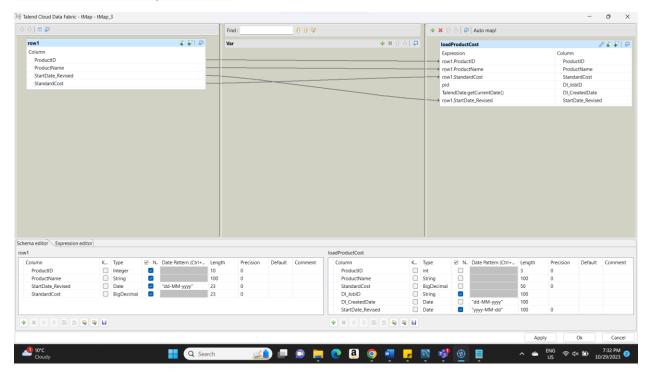
### b. etl\_job\_log

```
🚞 🖫 | 🦩 🖟 👰 🕒 | 🚳 | 💿 🔞 🔞 | Limit to 1000 rows 🔻 🙀 🍑 🔍 🗻 🖃
51
52 • ○ CREATE TABLE etl_job_log (
53
        job_log_id INT PRIMARY KEY NOT NULL,
         job_id INT NULL,
55
         job_name VARCHAR(50) NULL,
56
         job_status VARCHAR(20) NULL,
57
         created_by VARCHAR(30) NULL,
58
         created_date DATE NULL,
59
          FOREIGN KEY (job_id) REFERENCES etl_job(job_id)
     ٠);
60
```

### c. ProductPriceHistorySCD table

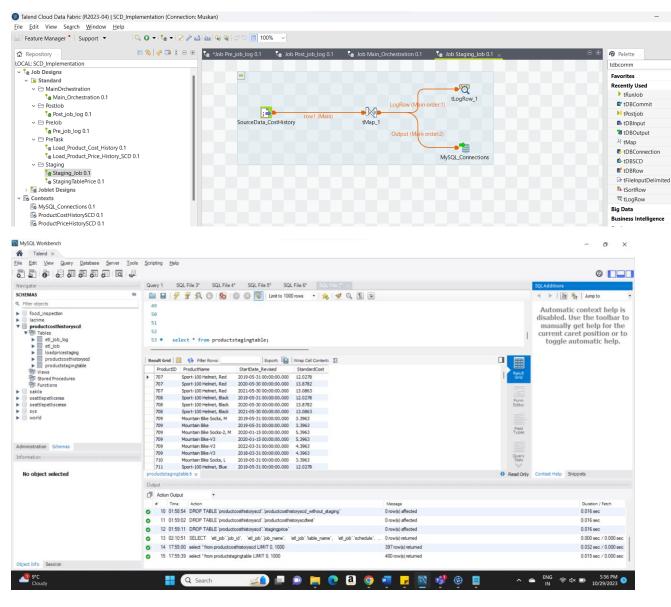


d. ProductCostHistorySCD table



2. Screenshot of all talend jobs and Screenshot of all tables' data in the database after the talend job run

Staging for Product Cost History

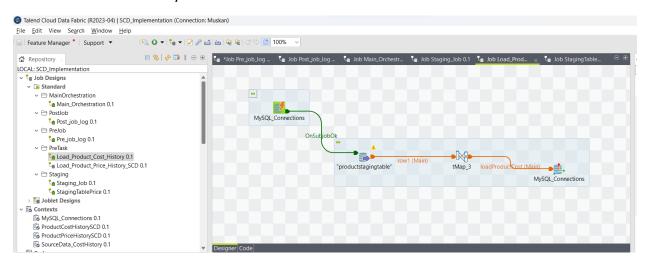


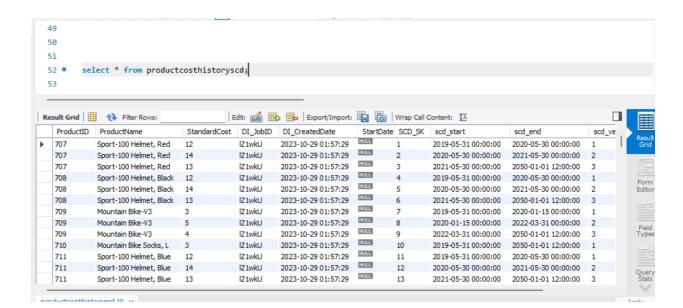
R L

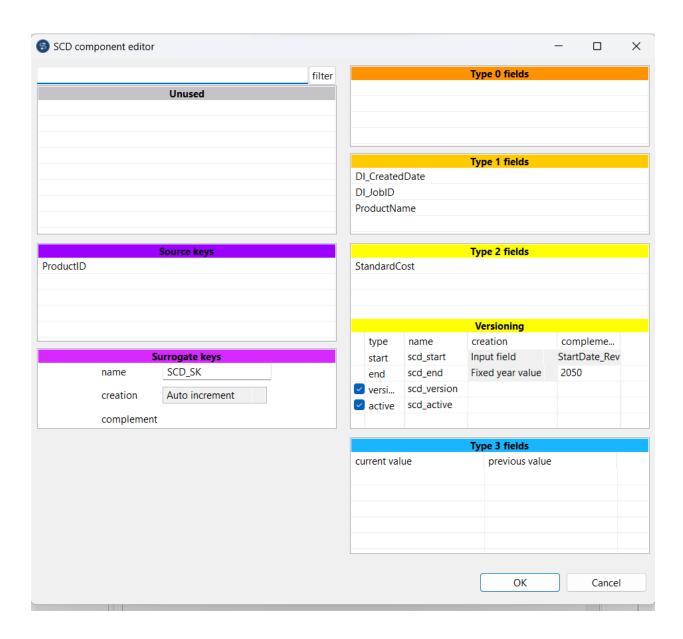
**™** ⊖ ⊕

Q

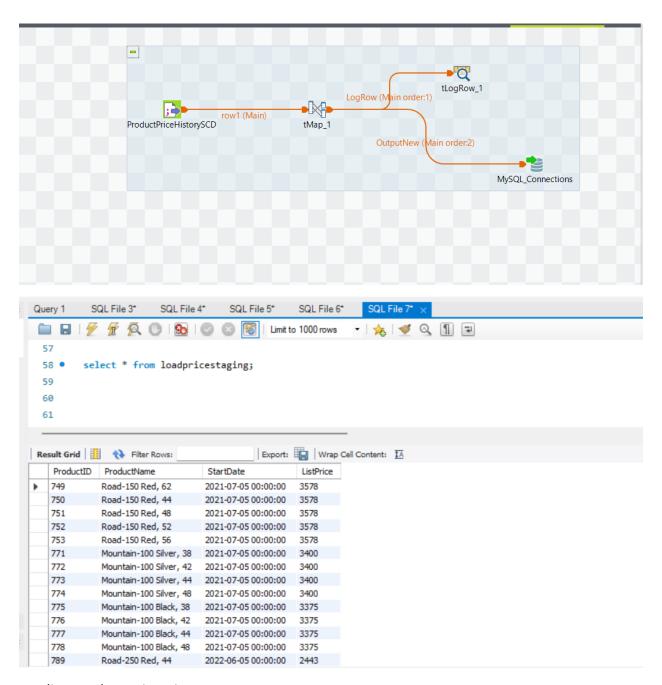
#### Load Product Cost History



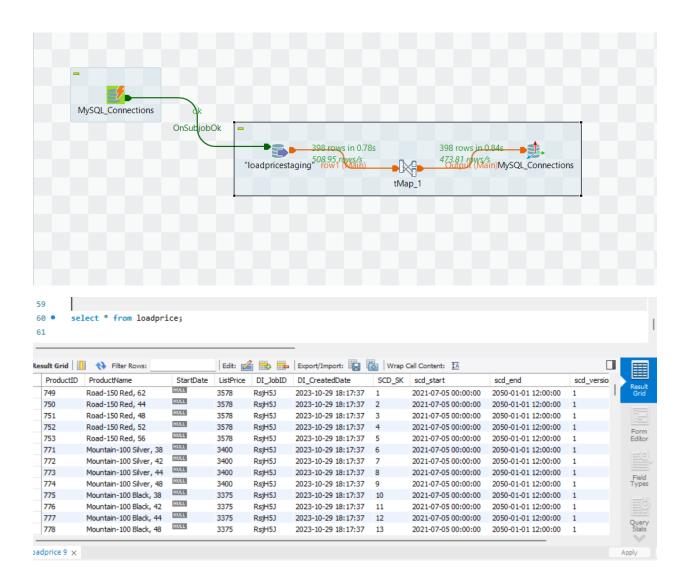


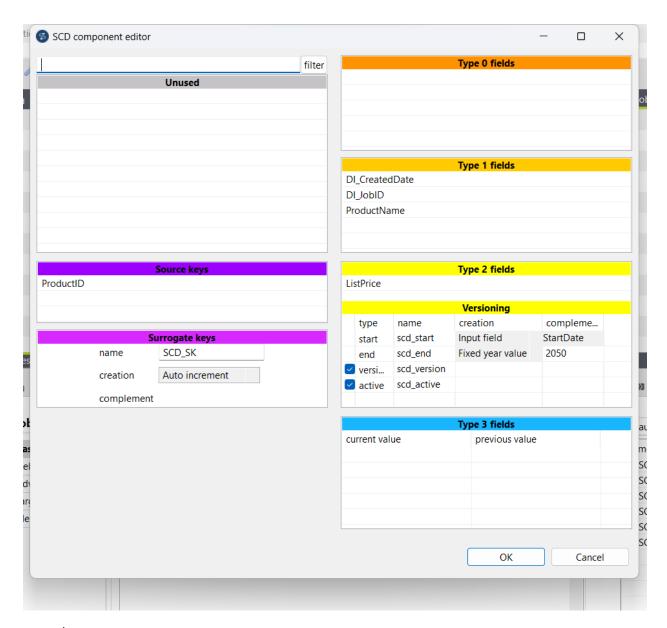


Staging for Product Price History

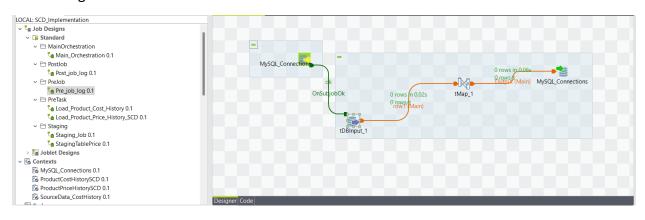


**Loading Product Price History** 



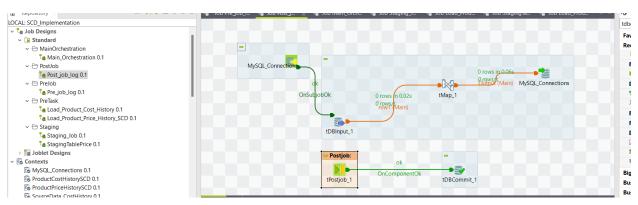


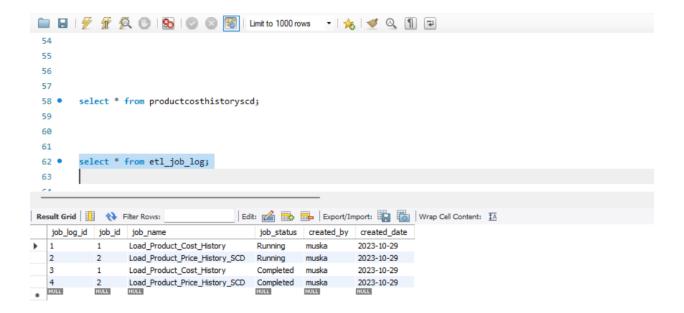
#### Pre Job Log



```
59
 60
 61
        select * from etl_job_log;
 62 •
 63
 64
        select * from loadpricestaging;
 65 •
        select * from loadprice;
 66 •
        select * from productstagingtable;
 68 •
| Edit: 🕍 🖶 | Export/Import: 📳 🎳 | Wrap Cell Content: 🔣
   job_id job_name
                                                     schedule created_by created_date
                                   table_name
         Load_Product_Cost_History
  1
                                  productcosthistoryscd
                                                    Daily
                                                            muska
                                                                       2023-07-28
         Load_Product_Price_History_SCD
                                 LoadPrice
                                                    Daily
                                                            muska
                                                                       2023-07-28
NULL
                                                            NULL
        HULL
                                  NULL
                                                                       NULL
```

### Post Job Log





3. Screenshot of main job run after completion in talend Main Orchestration

