ETL – INFORMATICA POWER-CENTER EMPLOYEE_DATA_ANALYSIS USING SCD TYPE-2

OVERVIEW

This Informatica project involves Extracting, Transforming, and Loading (ETL) data from a CSV file: employee_data.csv, and representing the SCD type-2.

SCD Type-2:

- Commonly used out of all types of SCDs and real-time business requirements.
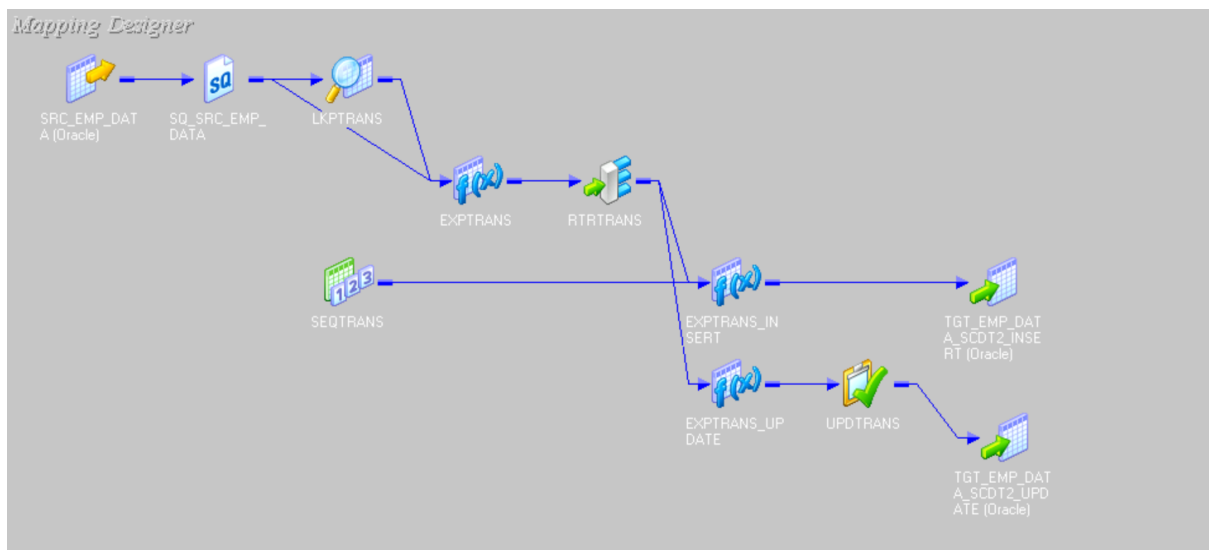- Preserves the history of the record.

Methodologies:
1. Current_Flag: Records are flagged (Active OR Inactive | YES OR NO | 1 OR 0 |Y OR N | A OR I)
2. Effective_Date: STRAT_DATE and END_DATE
3. Version_Number: Top most one – Maximum Version Number

TASK

Analyze the INSERT records and UPDATE records using SCD Type-2.

SCREENSHOT

OUTPUT

- INSERT a new record in the Source Table (EMPLOYEE_DATA) in Oracle SQL Developer and execute the workflow.
- UPDATE any one field/parameter in the Source Table (EMPLOYEE_DATA) in Oracle SQL Developer and execute the workflow. e.g.,

S_Key	Emp_ID	START_DATE	END_DATE	FLAG	VERSION
1	1234	01-Jan-20	12-Dec-20	0	1
2	1234	12-Dec-20	01-Jan-21	0	2
3	1234	01-Jan-21	(null)	1	3