

System Of Records (All sources)
Target Datawarehouse (Retail)
Observations in SOR
Data Profiling
Reject Codes and Error Handling
Currency Calculation
SCDs



- RETAIL_SOR_AS (Oracle) 19 tables
- RETAIL_SOR_NA (MySQL) 19 tables
- RETAIL_SOR_EU (SqlServer) 19 tables
- RETAIL_SOR_CAT (Postgres) 12 tables
- RETAIL_SOR_PLAN (MySQL) 2 tables
- CSVs, Excel Sheets (Tab delaminated, comma delaminated) – 25







SOR



- RETAIL_DW (Oracle)
- 30 Tables
- 19 Dimensions
- 11 Facts
- Four Channels (Online, Store, Catalog, Resellers)
- Three Scenarios (Forecast, Budget, Actuals)

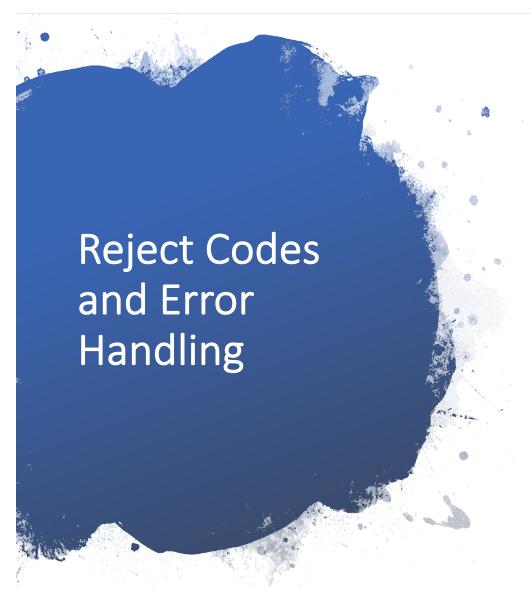


- Different unique key for product's table across all SORs e.g. ProductID, BrandID, ProductLabel
- Length of the values were different across SORs
- Data type for dates in the CSV and TXT files are not constant.



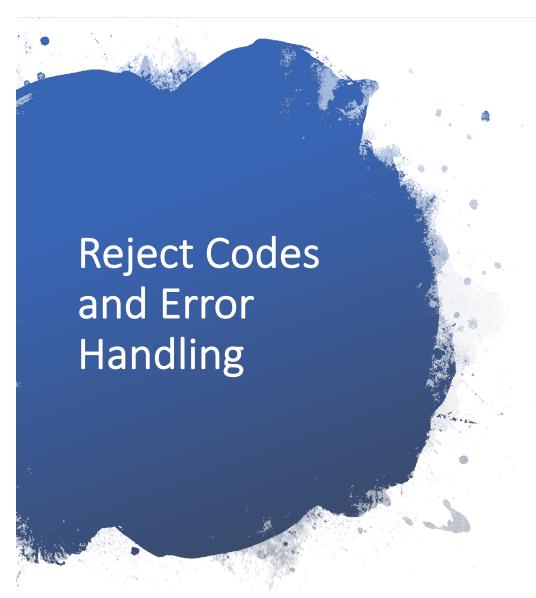
- Changed the SOR Load and Update dates from TIMESTAMP to DATE for Oracle and PostgreSQL to load SOR_LOADDATE
- Converted data type values for DATES to DATE data type across all the CSVs and Text input files
- For SCDs DimProductPrice and DimProductCost we had to use SOR dimproduct (MySQL) as a bridge between input file price_cny_step_1_of_4 and DIMPRODUCT
- Converted all the possible columns in the target metadata from Big Decimal to INT
- Data Type csv contains all the column's data type which we kept constant across all the SORs and Target table depending upon the size of data
- Had to append zeros and trimmed values in the for joining product tables





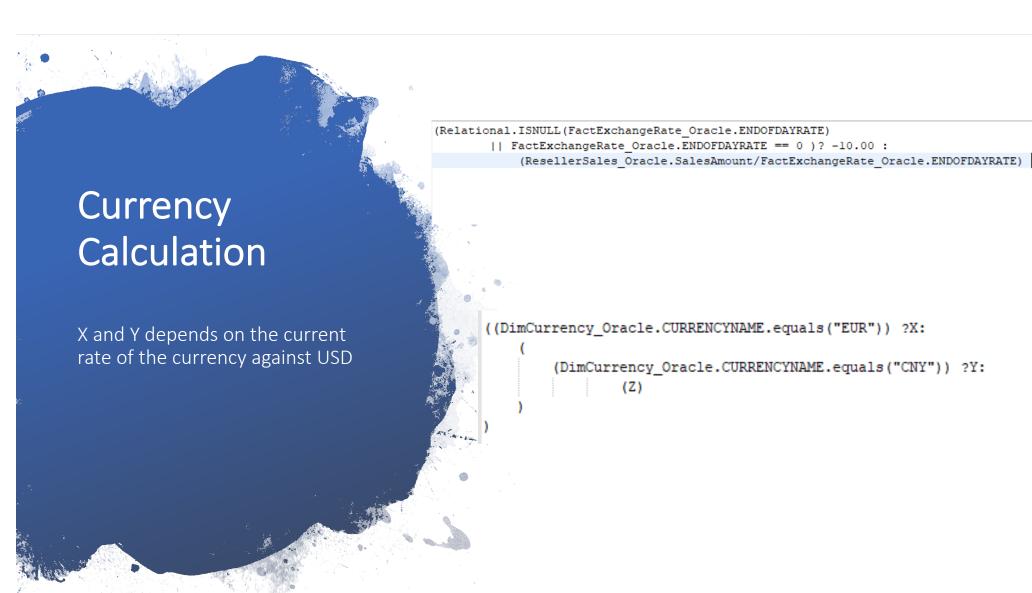
- Reject Codes are used to catch bad data, missing values or invalid data present in the facts rejects
- Reject Reasons help you understand the bad data in detail





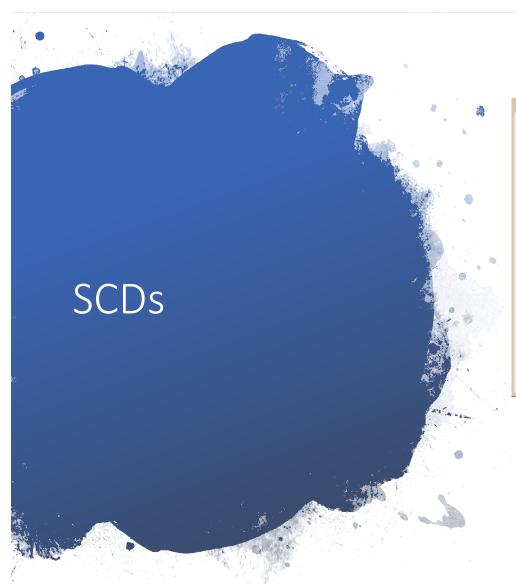
- Handled null values using Relation.ISNULL function and applied code 99 if nulls are found
- Refer Error handling document for more details

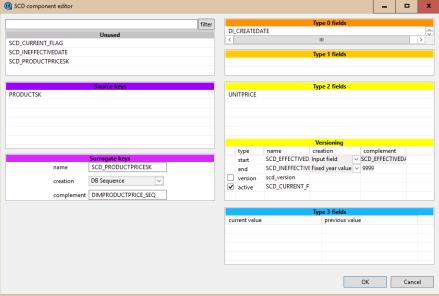






- SCDs stands for Slowly Changing Dimensions
- SCDs are used in the data integration to track changing values of unit cost and unit price
- SCD TYPE 2 is implemented to integrate the tables DIMPRODUCTPRICE and DIMPRODUCTCOST





Refer Scd Example document for more details

