# TPC-DI

TPC-Di using PostgreSQL and Pentaho Data Integration Services

**Table creation:**

We have created Unique indexes for every business key (IDENT\_T column Type in specification)

**Historical-tracking dimension tables:**

Some tables like DimCompany are populated 1 time with data. Hovewer, in the historial file, it is possible to find multiple records for the same natural key (business key). This means that we need to keep thack of the changes, as it is described in chapter 4.4.1 of the specification document. In this implementation, we achieve this by comparing the natural keys of every row that is read from the source files with the current records of the table.

If there is no matching, the record is marked as "new" and it is inserted in the database.

If there is a matching, then the old record is closed (enddate = effectivedate of the new recods && iseffective = 0) and the new record is inserted into the database.