Slowly Changing Dimension(SCD)

Slowly Changing Dimension

Slowly Changing Dimensions (SCD) determine how the historical changes in the dimension tables are done.

Type 1

- In SCD Type 1 column values are always current.

- When changes occur, the SCD stage overwrites existing values in the dimension table.

Slowly Changing Dimension Types

Type 2

- In SCD Type 2 a new record is added to the table when changes occur.

- Both the original and the new record will be present.

- When changes occur, the SCD stage updates the existing row to indicate that it has expired, and adds a new row to the dimension table.

- Full History is maintained in the target table.

Slowly Changing Dimension Types

Type 3

- In SCD Type 3 the current and the near current value is maintained.

- They are represented by two columns for every field to be analyzed . One column to hold current data and the other the original data.

- An active flag (Effective date of change) can be added to check the status.

Thank You