```
Structural          Key              Backfill
Alignment        Detection            Data

   Yes

         Stop Data flow
Structual
Change?              No

              Schema
              match?

 Schema      Yes      Schema
Detection             Detection

           Continue
```

DATA STREAMING PIPELINE

Source Table 1   Data Pipeline   Stage Table 1   Stream Pipe 1   Target Table 1

Source Table 2   Data Pipeline   Stage Table 2   Stream Pipe 2   Target Table 2

SQL database (generic)

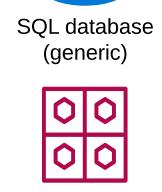Source Table n   Data Pipeline   Stage Table n   Stream Pipe n   Target Table n

1. Streaming pipeline will have the capability to trace insertion of new data or any update made to existing records. Usage : Snowflake Streaming pipeline , Snowflake Task

2. Snowflake platform stream can be used to periodically check for inserted records or updated records and merge to existing target tables.

3. Data PIpeline between Source and Stage : Fivetran or Matillion or Python scripting

Any realtional Database system

SQL database (generic)

Kafka Confluent or Python Scripting

Schema Detection