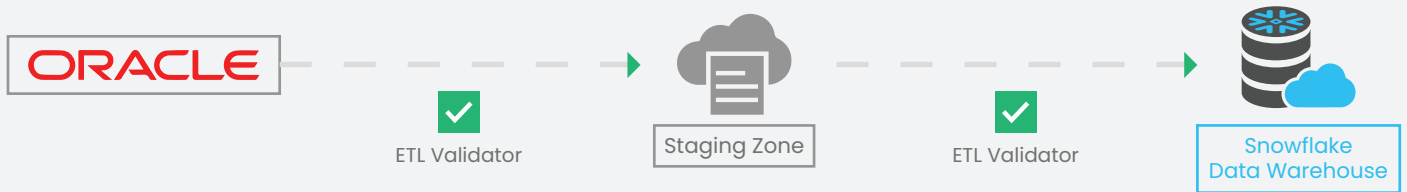


## Customer Objective

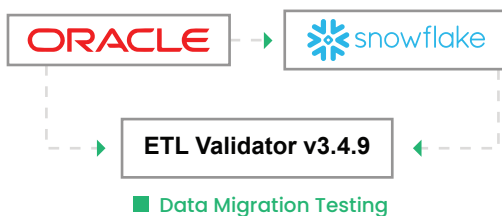
- Customer is a leading American consumer packaged goods company.
- Customer is one of the top three cereal-companies.
- The Company was using Oracle database as the data warehouse.
- Customer wanted to automate the testing of ETL processes used in their Data Warehouse.
- Customer wanted to migrate from Oracle data warehouse to Snowflake cloud data platform.



## Business challenges

- Data types differences between Oracle and Snowflake resulted in ETL errors or truncated data.
- Fairly large number of dimension and fact tables needed to be migrated and tested.
- ETL issues result in bad insights to the business user.
- Manual testing is limited to a small data set and is very time consuming.
- Data Quality and Referential Integrity issues in the data.

## Technologies



## Solution

- Customer implemented ETL Validator to help automate the ETL testing in the Data Warehouse and the Data Migration.
- Mapped and compared the metadata of tables in Oracle and Snowflake.
- Generated hundreds of test cases in one go using the Data Migration wizard. Compared over 1000 tables during the migration.
- Over 50% of the tables being migrated and tested had over one million records.
- Grouped test cases into test plans and executed in parallel
- Customer was able to compare millions of records and achieve 100% test coverage.
- Define and maintain Data Quality and Referential Integrity rules.
- Monitoring the production ETL runs on a daily basis.
- Automated the execution of test cases in the Dev, Test and Prod environments.
- Customer initially started off with 10 user licenses of ETL Validator and increased it to 16 users.

## Benefits Realized

Reduction in migration testing time by

**45-60%**

Reduction in data quality testing time by

**25-35%**

Reduction in QA Cost by

**20-30%**

Overall reduction of TCO by

**20%**