Medico Private Limited Business Requirements Document (BRD)

Medico Private limited

February 2022

3 Introduction

3.1 Project Summary

3.1.1 Objectives

- Enhancing client's business of Medical devices by transforming the raw data into processed data
- Transforming raw data in the columns of the table in meaningful data by using Data Built tool(DBT)
- DBT is a tool which is open source and free of cost
- Business owner will save the cost of transformation of raw data as it does not uses snowflake credits for transformation

3.1.2 Background

A data build tool is necessary for simplifying the data engineering process for the client. Clients should be able to retrieve all the transformed and clean data as and when required. Data transformation solutions that will be provided to the client will help in making the right decisions for the business and understand how to grow the business by improving cost efficiency.

3.1.3 Business Drivers

- Client is looking for transformation of all the data in one place

- Client is responsible for managing all the data from various sources and dumping them at one place for further processing

3.2 Project Scope

The scope of the project is to transform and clean data for marketing and opportunity processes. Clients will be able to use the transformed and clean data for different purposes like machine learning ,word cloud etc . The Data build tool will help the client in changing,transforming and cleaning the data and creating views and tables according to their business requirements.

3.2.1   Scope Functionality
- creation of View and Table
- Transform and clean data
- check the freshness of data
- Test the uniqueness of data
- Test not-null

3.3 User Role

Role	Description
USER/ Owner	- can Transform data - can Create view and Table - can test data according to some conditions ,eg-:To check unique and not null - Can check Freshness of data - Can add new transformed column to the existing table or view - Can be used in cleaning of data of a column in a table

3.4 System Perspective

3.4.1   Assumptions
- Data is Raw data
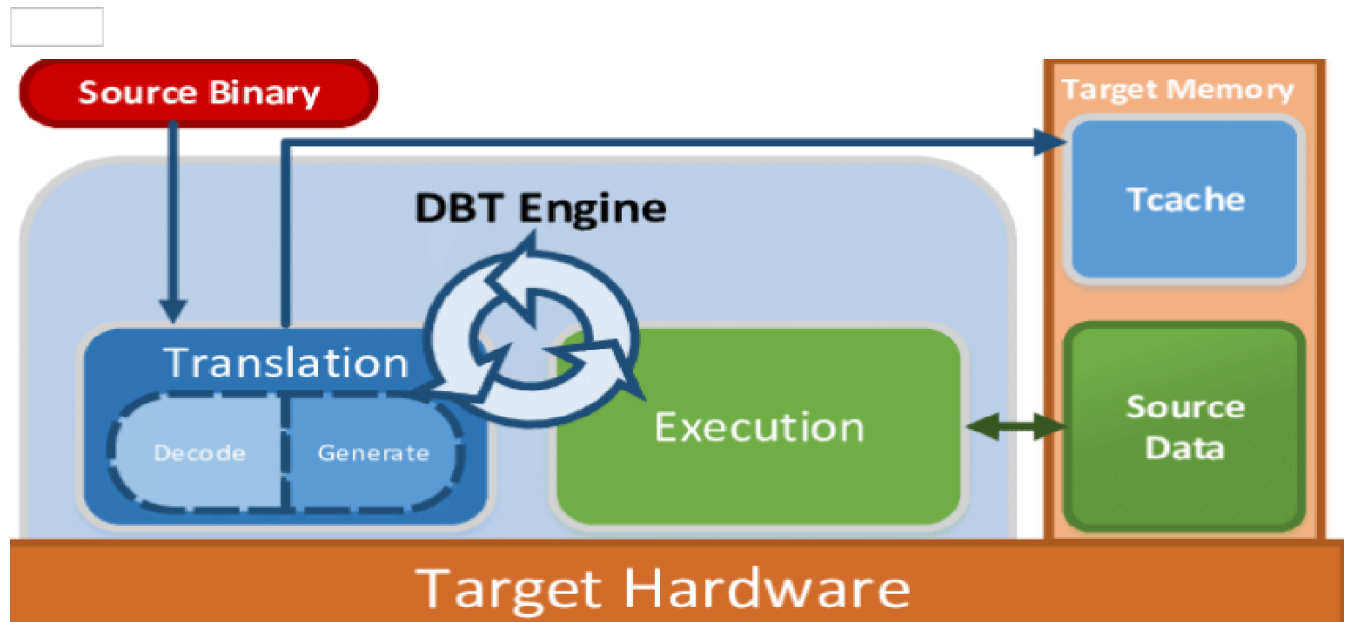- Data needs to be cleaned and transformed

- Data is not uniform.

- can only be used with select statement
- In a particular model ,while creating a view or table we can transform only one column at a time
- Cannot be used for DML operations like Insert and update

4 Business Process Overview

- Client gets transformed data

- Can create views and table by connecting this tool with the existing snowflake account

- Can check the freshness of the data

- Checks the data of a column whether it is not null and check the duplicacy of data in a column

******************** DBT ARCHITECTURE **********************

5 Business Requirements

The requirements in this project are prioritized as follows:

Value	Rating	Description
1	Critical	Most Urgent and most important requirements.
2	High	Urgent but not as critical requirements and important requirements
3	Medium	Important but not urgent requirements
4	Low	Low Important and not urgent requirements
5	Future	Future scope requirements.

5.1 Functional Requirements

Req#	Priority	Description
FR-001	1	Can create View and Table as per the requirement of the model
FR-002	2	Transform the raw data of a column in a table
FR-003	3	check the freshness of data means weather it is real time or not
FR-004	4	Test that data should not be repeated or tests the data duplicacy
FR-005	5	Test that no row of a column is empty

5.2 Non-Functional Requirements

ID	Requirement
NFR-001	Scalability: There is no limitation on the Data size limit
NFR-002	Speed: Gives result of the transformation within 5 seconds
NFR-003	Reliability: Data transformation result of DBT is present in query history view o