Problem Statement:

- No common IDE to build transformations, automated tests and document code with complete data lineage from source to target, job orchestration (snapshot, historical ...). No shared code library. No CI/CD methodology with no integration to JIRA and Slack. Developer tools are on-prem requiring local install and manual maintenance increasing security risks.
- The result is : accessible to a select few, workflow silos with limited to no standardization, data and transformation duplication, limited to no automation, no DevOps and costly.

Solution:

- Provide a central cloud development platform that helps data engineer, data analytics and anyone with SQL knowledge productionize their data model deployment.
- Offers some support for scheduling jobs, CI/CD, automating and serving documentation, automating testing from source to data marts, and monitoring and altering.
- Integration with our existing set of tools or future data replication tool offering a complete governed data ingestion / transformation solution.

Value:

- Generate a Cultural Shift rather than Technological One
    - A standardized framework for data ingestion and transformations results in:
        - Collaboration: everyone can work together
        - Velocity: Focus on analytics, not infrastructure
        - Quality: Test and work from the same assumptions to ensure alignment
        - Governance: Standardize processes and control access to simplify compliance
- Build data like developers build application = Data as a Product
    - Unite on SQL: SQL is used by every cloud data warehouse, and known by every team, even outside of IT.
    - Work like engineers: Modularity, Testing, CI, and Documentation promote speed and reliability

- Although a new vendor (founded in 2016) in the data space , DBT is now highly recognized as the standard data modeling platform by over 10000+ compagnies. dbt offers an open-source solution, DBT Core , and a SaaS solution, DBT Cloud. In June 2022, DBT announced the creation of a DBT certification.

- Using Modern Data Infrastructure help attracting talents