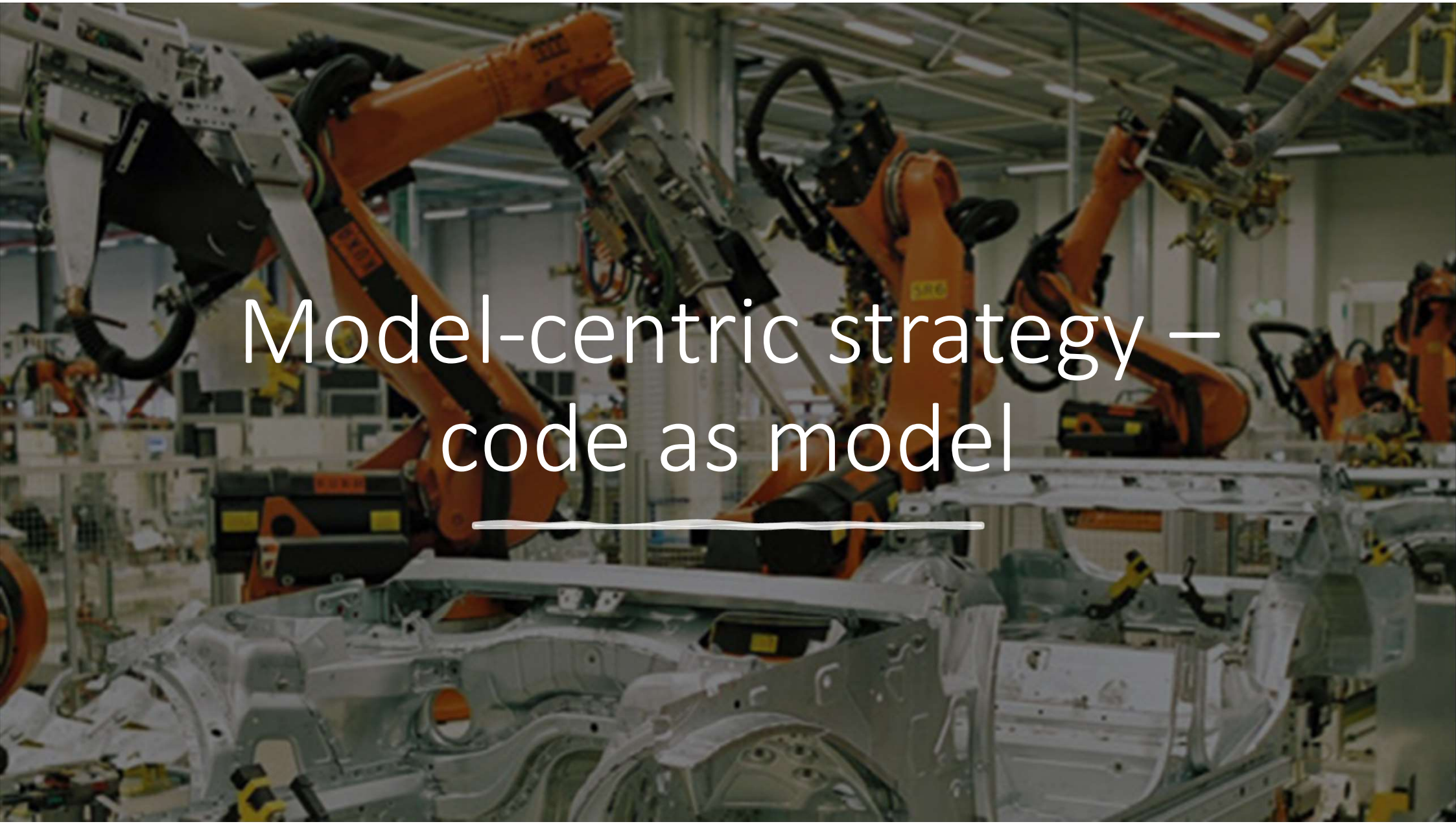
The Data Model-Centric Platform with Datavault Low-Code Technology

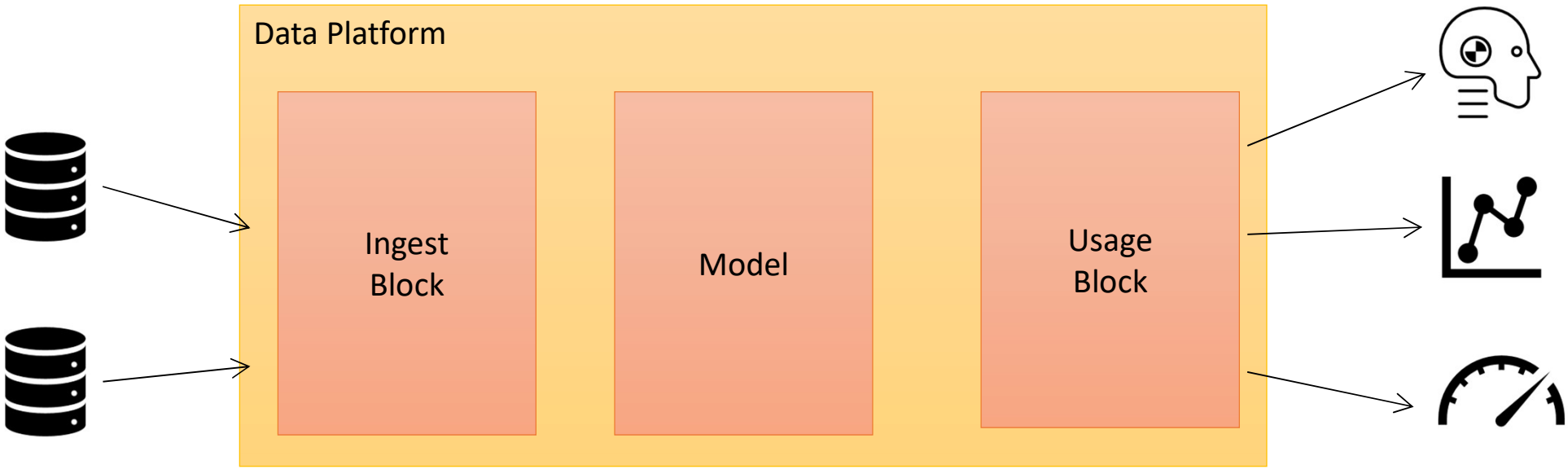
Acceliance

Ingestion-Centric Strategy – Model as Code

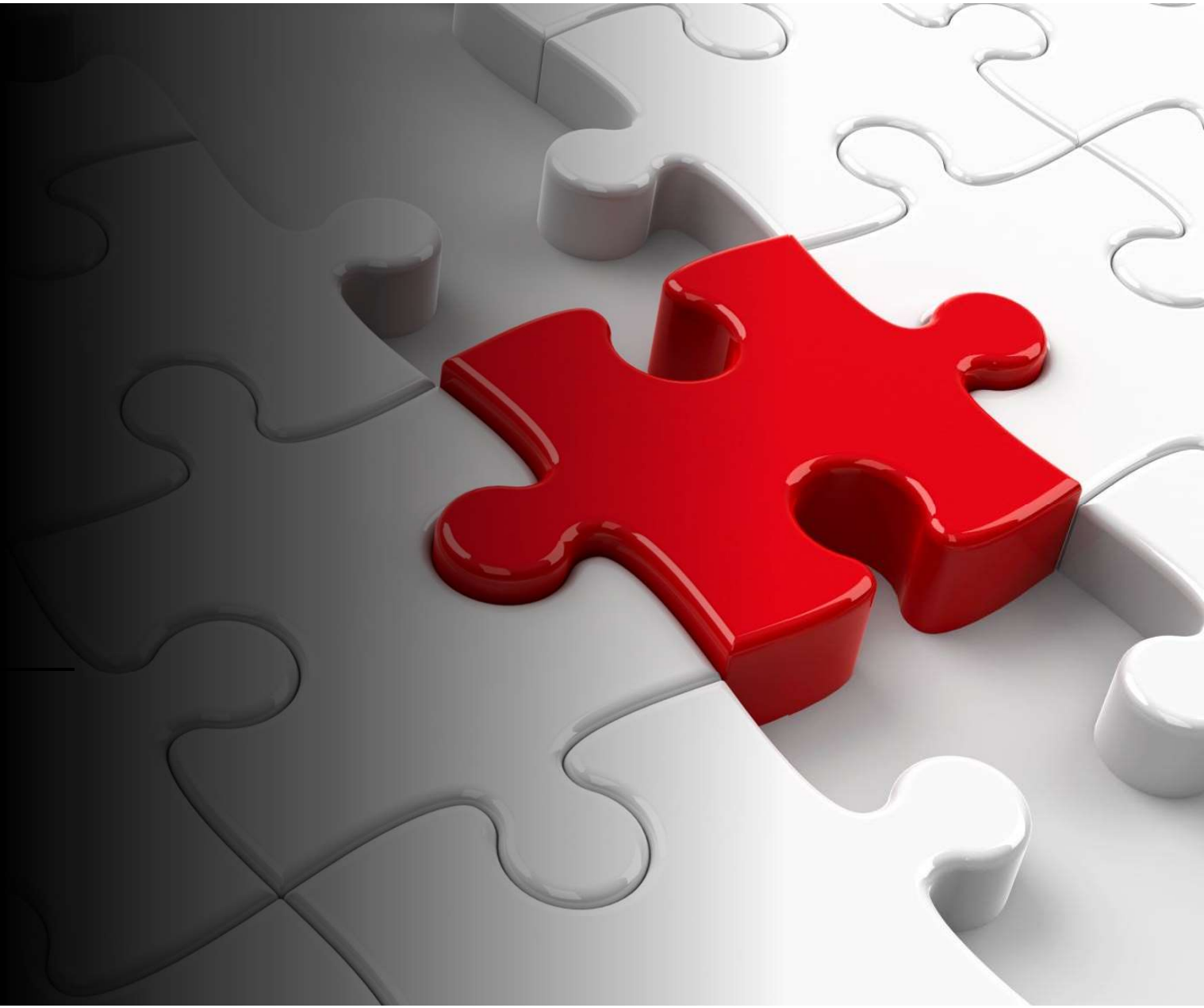
Data Platform
Ingest Block
Usage Block

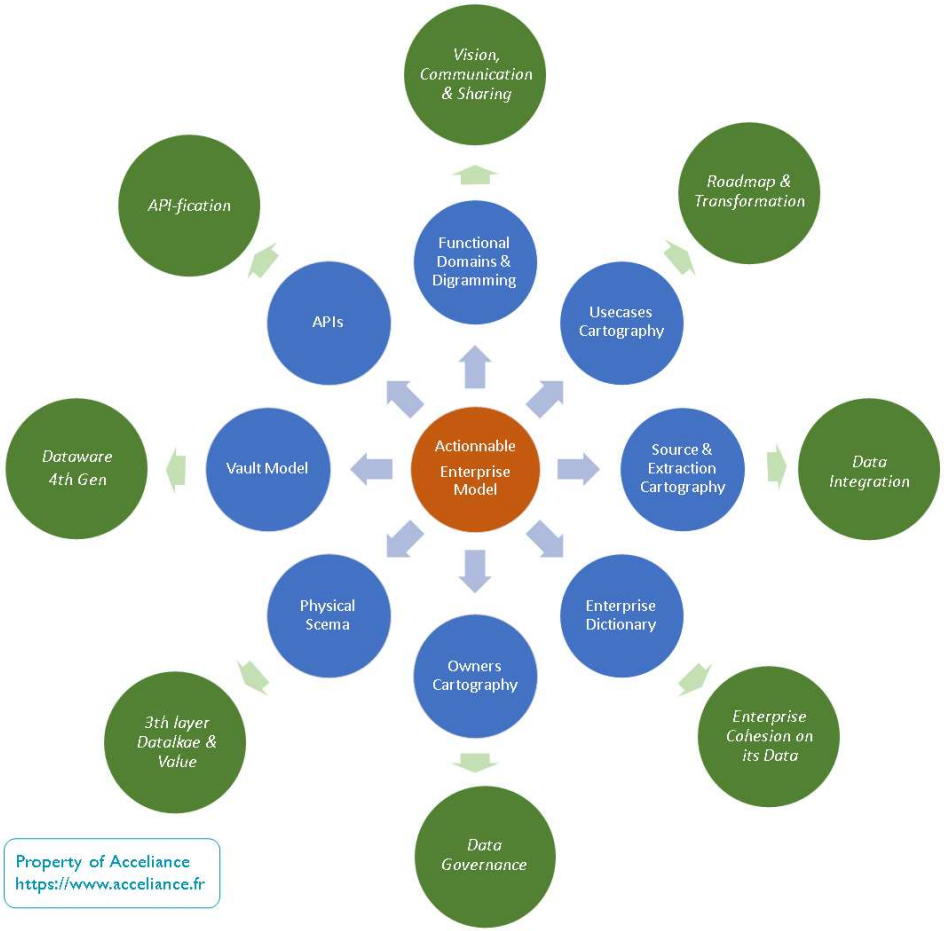


Model-centric strategy – code as model


Data Platform
Ingest Block
Model
Usage Block

The Enabler

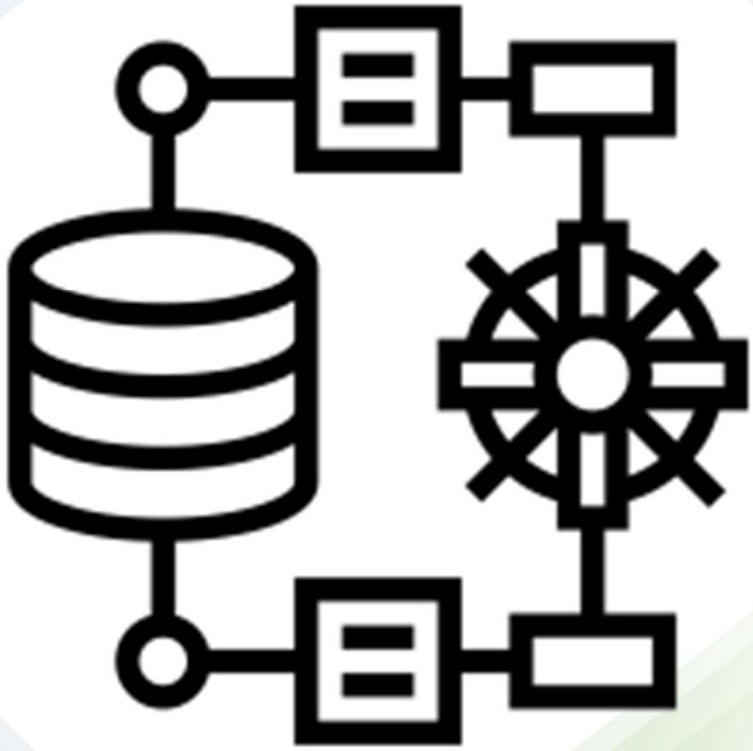


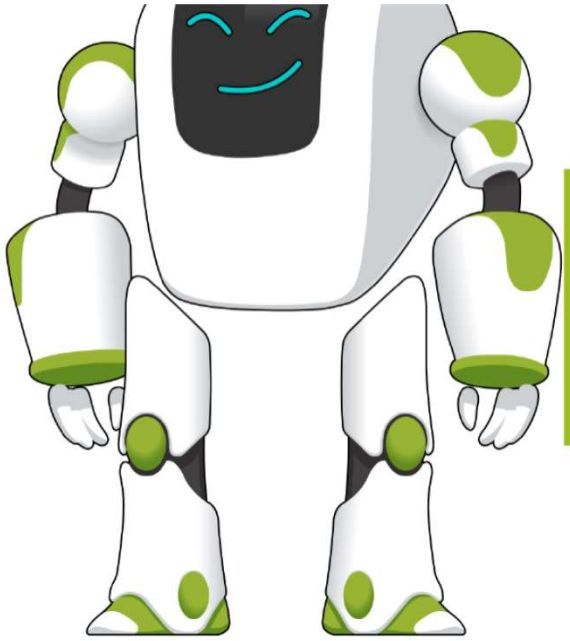


Architecture's digital journey

Vault & Concepts Modeling

- **The Hub (SQL table)**
  - Contains the business key for all source systems
  - Generates a high-performance technical internal key (hash)
- **The Satellite (SQL table)**
  - Technically linked (hash) to the Hub
  - Corresponds to a data source
  - Non-breaking (and technically non-scalable) data loading unit
  - Contains one or more source attributes (SQL column)
- **The Link (SQL table)**
  - Supports any cardinality ("many to many" internally)
  - Relation on technical key (hash)



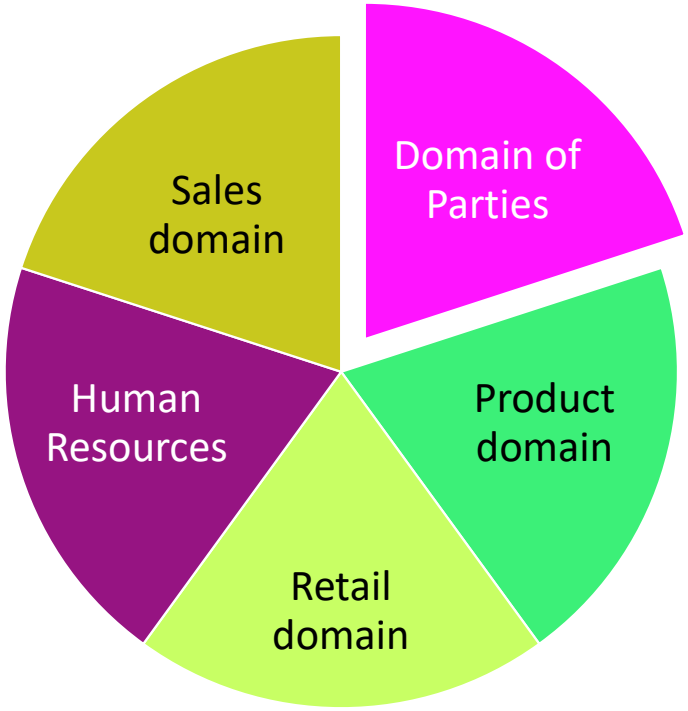


Datavault BUILDER

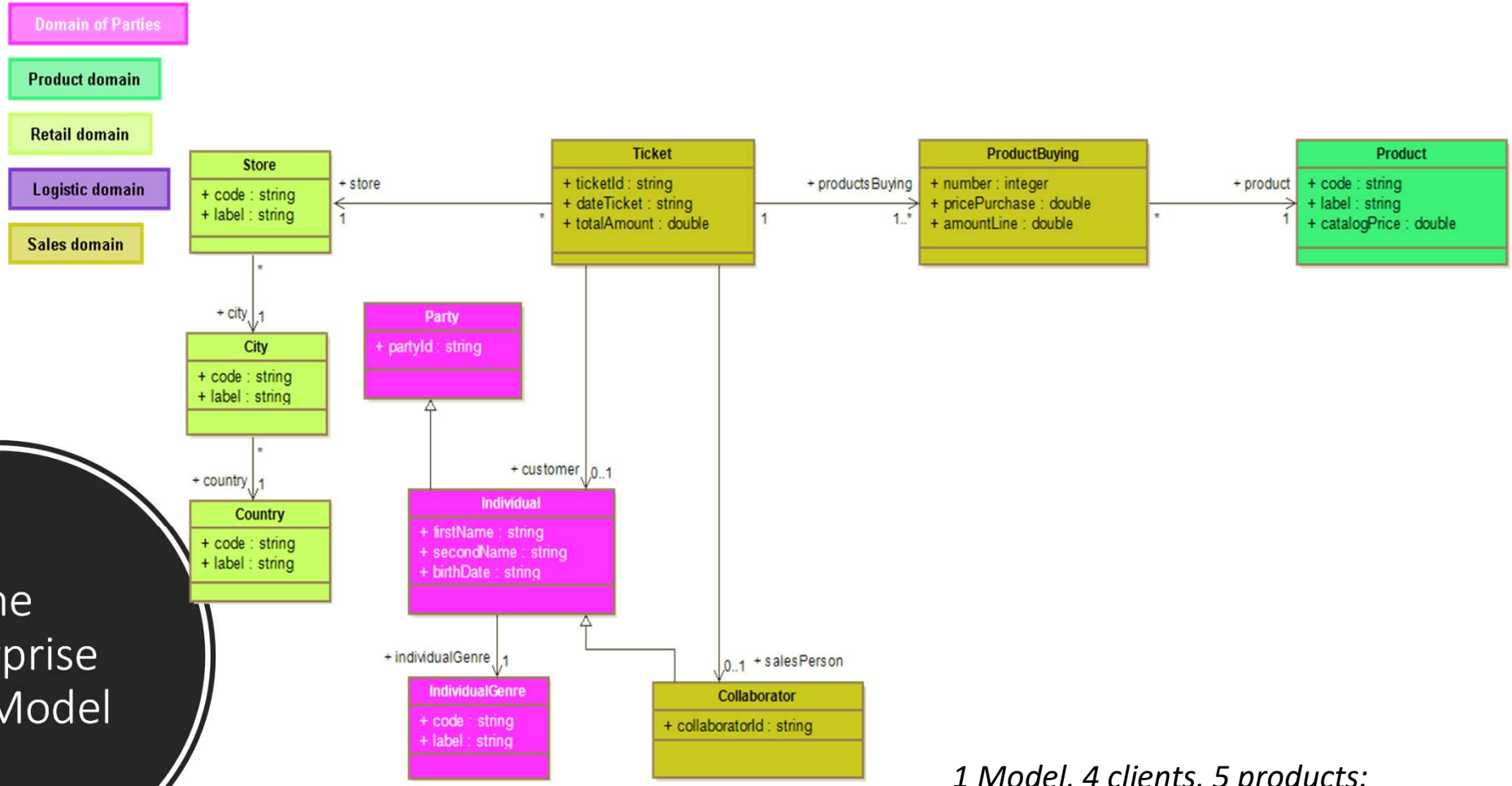
La solution Datavault Builder

- Automates the creation of SQL tables for Vault artifacts
  - Hubs, Satellites and Links
  - Source System Business Keys
  - High-performance internal hash key
- Automates the parallelized loading plan
  - Numerous connectors
  - Visual Setup
- Creating Dimensional Views

Colorized Data Functional Areas as defined by the Chief Data Officer



The Enterprise Data Model

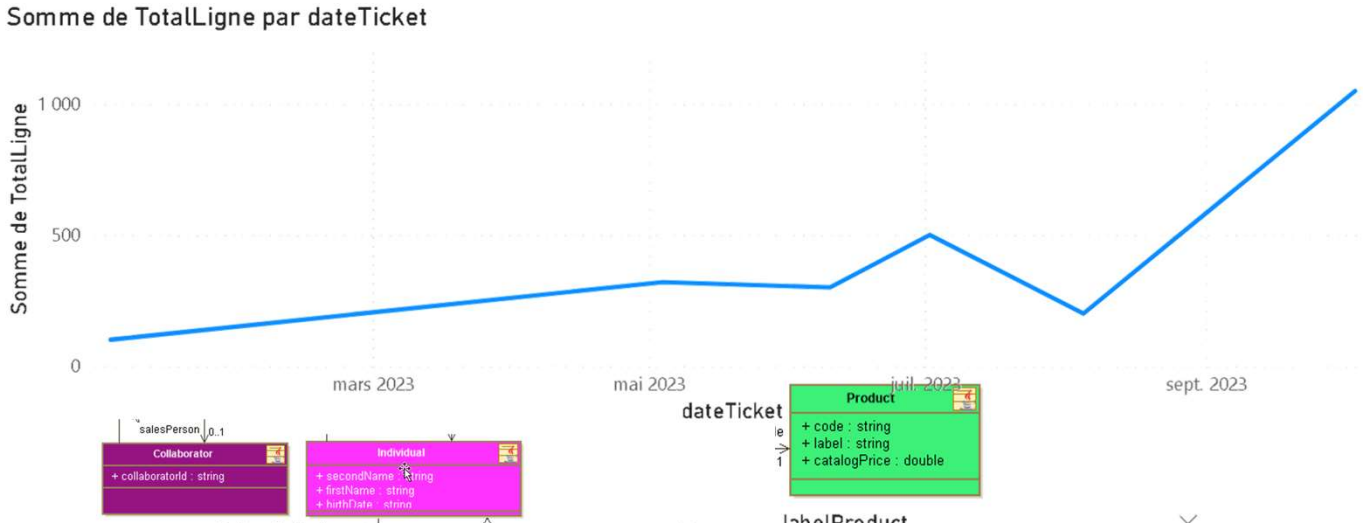


1 Model, 4 clients, 5 products:
- Finance : Turnover, Profitability
- RH : Collabs performance
- Sales : Sales volume
- Marketing : Product performance

Reporting

labelCountry, labelCity, labelStore

- China
  - Pekin
  - Shangai
    - Shangai Center Store
- France
  - Paris
    - Magasin Champs Elysées
    - Magasin Rivoli
- Spain
  - Madrid
    - Madrid Center Store



SalesCollaborateur

- MAT_0001 : Cambet Bruno
- MAT_0002 : Louise Marie
- MAT_0003 : Lee Bruce
- MAT_0004 : Chan Jackie

labelProduct

- Chaussettes
- Manteau
- Pantalon

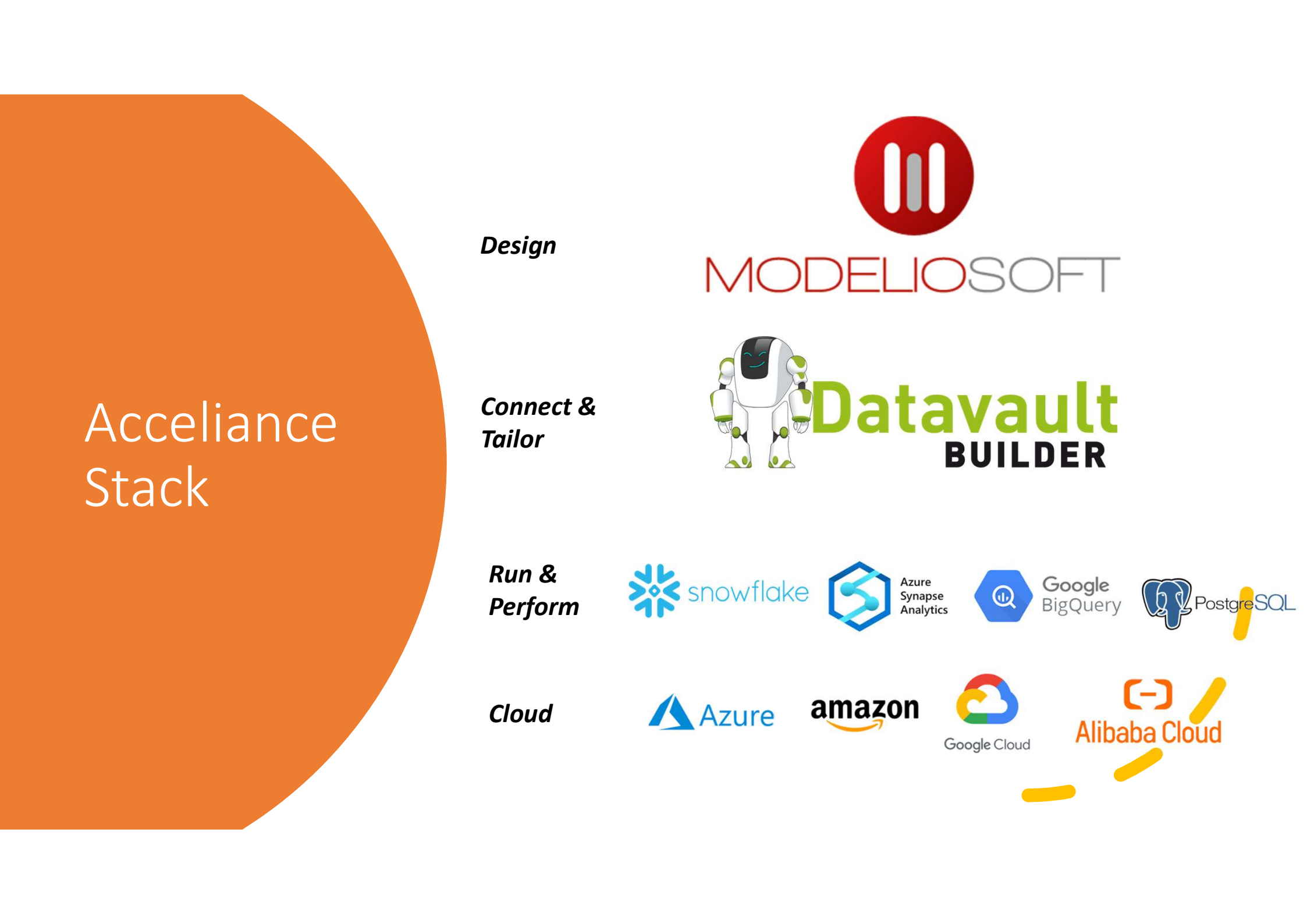
Acceliance Stack

Design

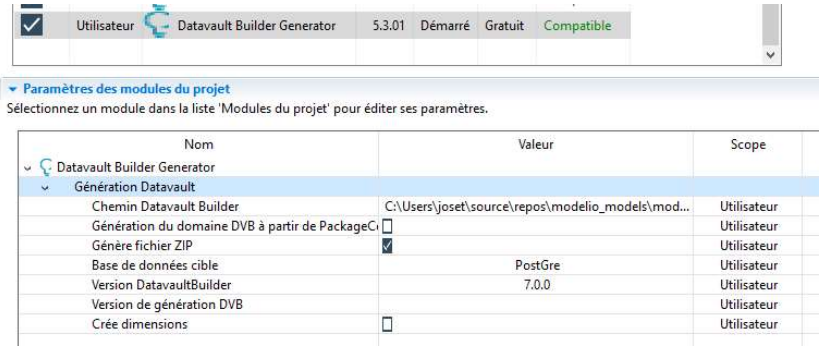
Connect & Tailor

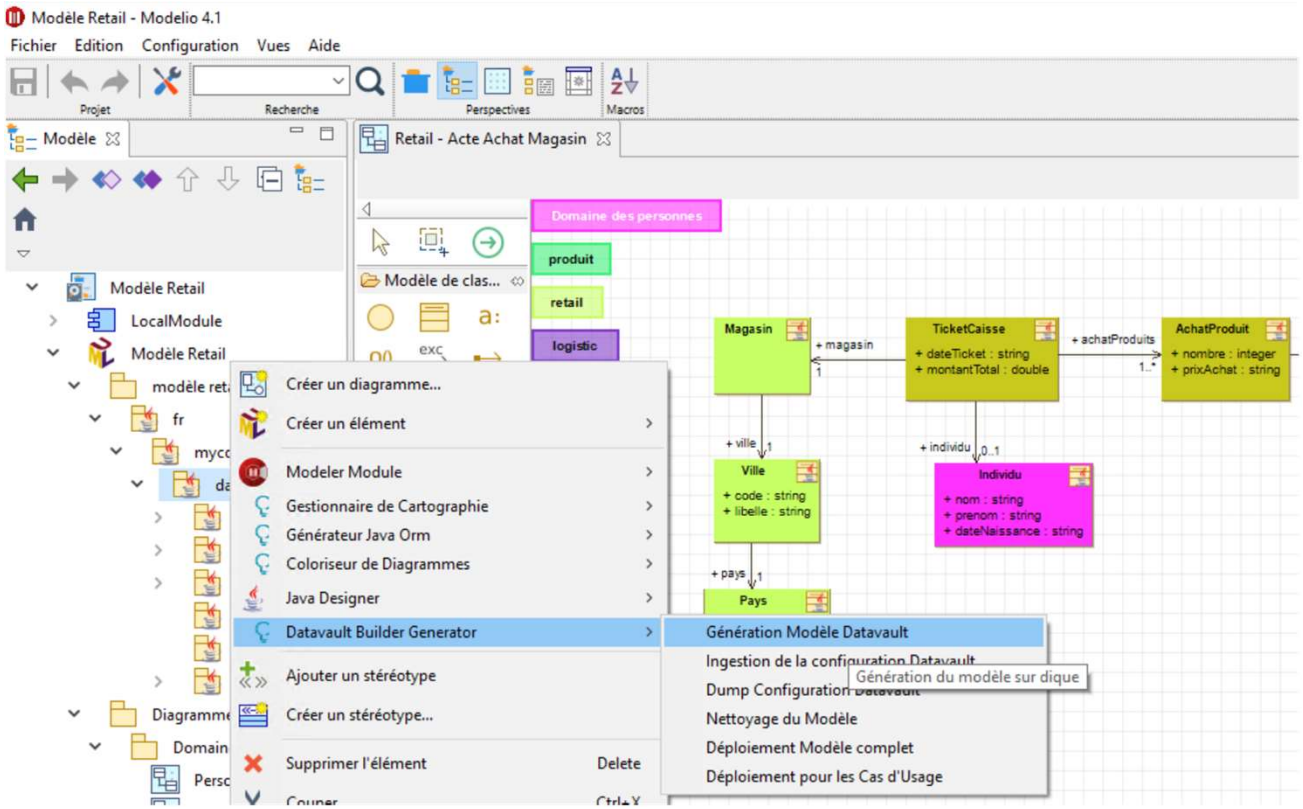
Run & Perform

Cloud



Modelio Augmentation & Automation



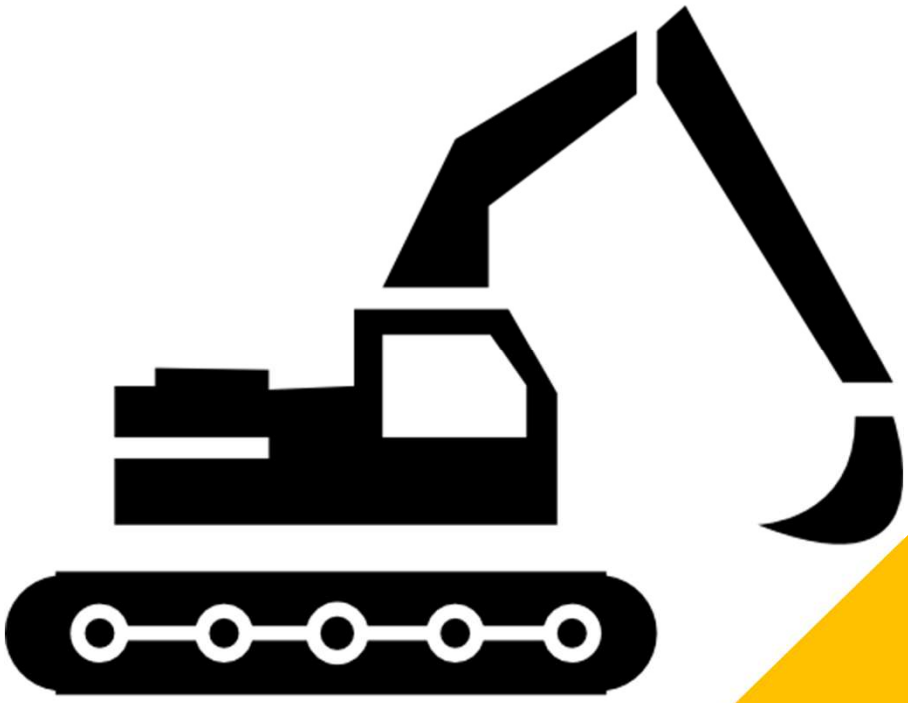


Live Demo

Benefits

- Mark To Market
  - Task Automation
  - Capitalization in each sprint
  - Synergy between employees
- Cost
  - Finops
  - Reduced device
- Compatibility
  - OnPrem / Cloud
  - Snowflake, Synapse, Synapse, Exasol, BigQuery
  - All reporting solutions

vs



To go further

- Consider a 20-40 day POC
- Website: https://www.acceliance.fr

Acceliance

Accélérateurs d'intelligence