Qlik

Qlik Talend Cloud: an introduction

Sample architecture

Streaming data
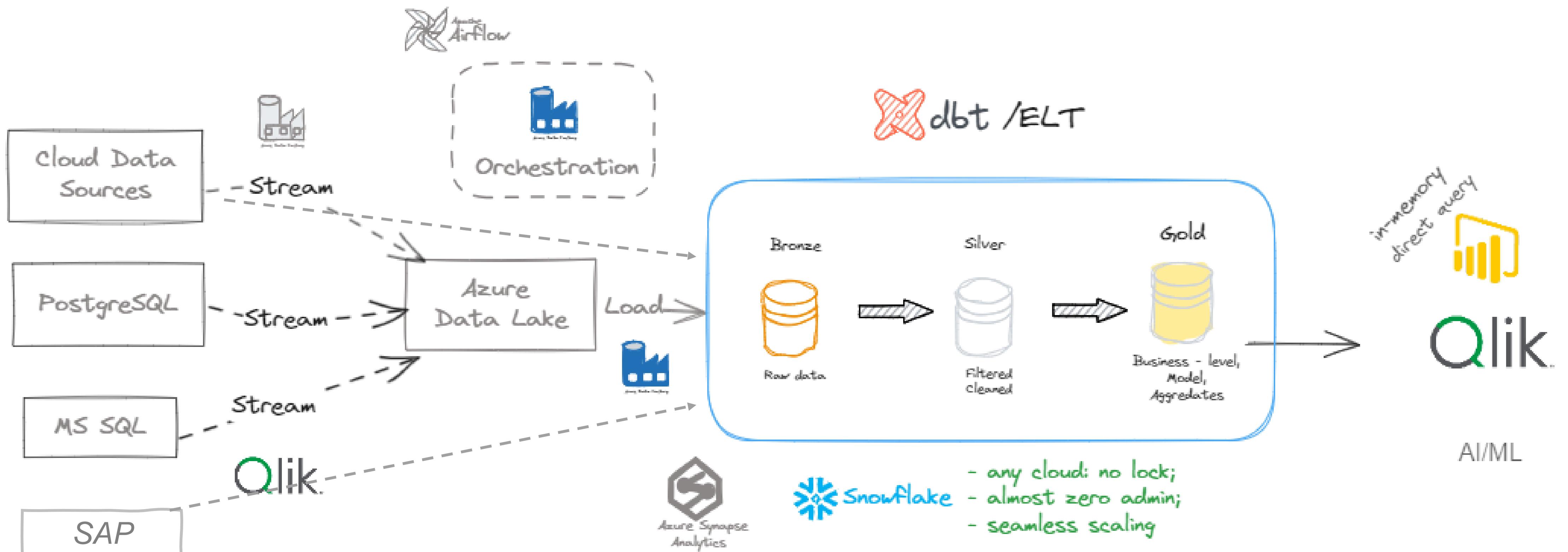
What Drives the Need for Data Streaming?
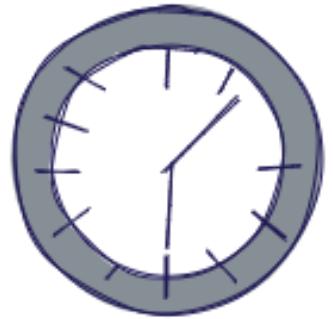
Real Time

Businesses require up-to-date information for decision-making, which necessitates capturing and reflecting data changes immediately.

Minimal system impact

Ensuring that the process of capturing changes does not burden the source or target systems, maintaining optimal performance.

Complex environments
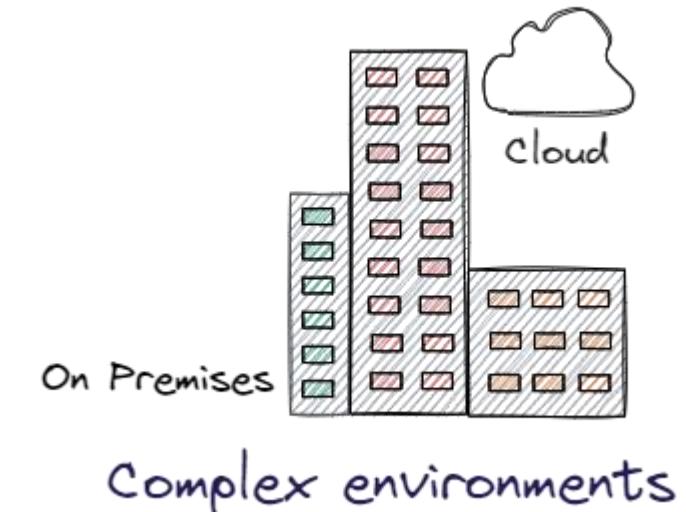
On Premises   Cloud

With data sources scattered accross on premise and various cloud systems, organizations need a solution that can seamlessly integrate diverse data streams in real time.

Minimal impact on source and target systems

CDC identifies and captures the data and metadata changes:

- Inserts
- Updates
- Deletes
- DDL

Two CDC architectures:

- Agent-based, resides on the source server
- Agentless. Zero footprint on source or target. More modern
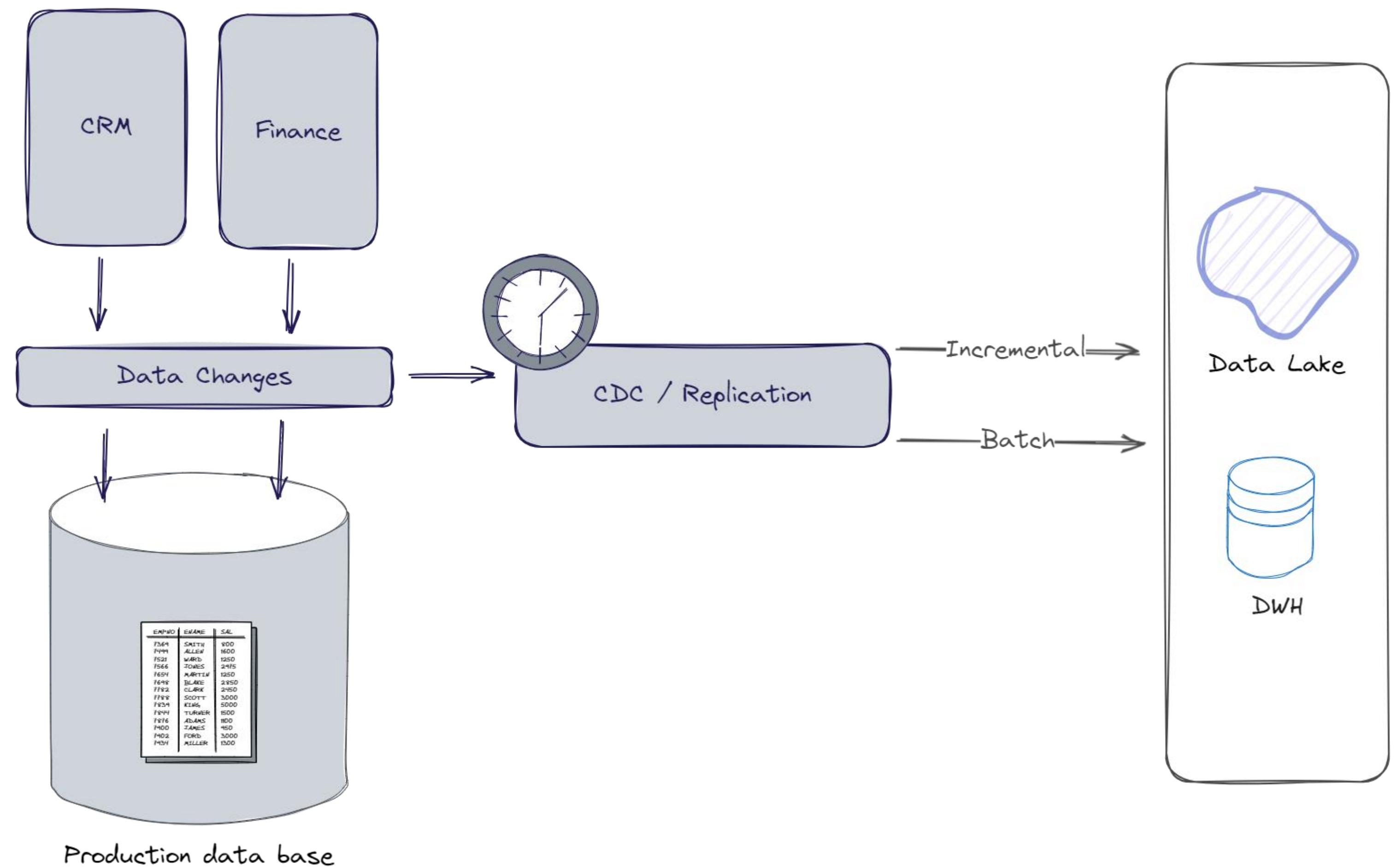
Qlik Talend®

## A trusted data foundation for AI, analytics, and operations

400+
Connectors

DATA

SaaS, SAP, Mainframe

SAP

Trust Score™ for AI

Data Products

Trust

Access

AI

Move

Transform

- Vector DB
- Multi LLM
- AWS Bedrock
- Snowflake Cortex
- Databricks AI Functions

Multi-pattern

Streaming, ELT, ETL, APIs

Transformation

No code/ pro code

AI Assistant

4 Qlik Talend Cloud Editions

Product Edition	Starter	Standard	Premium	Enterprise
Defining Features	SaaS Data Movement	+Databases Real-time CDC	+Data transformation, Quality, API integration	+SAP, Mainframe, Data Products

Use Cases Addressed

SaaS data loading to db/dw ('EL')				
		Real-time replication to db/dw ('ELT')		SAP/Mainframe replication
		Data warehouse/lake modernization		
			Data quality & governance	
			Streaming data integration	
			API-based data integration & workflow	
			Operational data integration ('ETL')	
				Data products
				Gen AI data pipelines

Pricing	Data moved, 50 GB	Data moved, 250 GB	Data moved 750 GB+ Executions & durations	Data moved 750 GB + Executions & durations

Any source, many targets

## Supports complex, heterogenous environments

- Sources

  - Databases

  - NoSQL

  - Flat files

  - Cloud (200+)

- Targets

  - Data lakes

  - Data warehouses
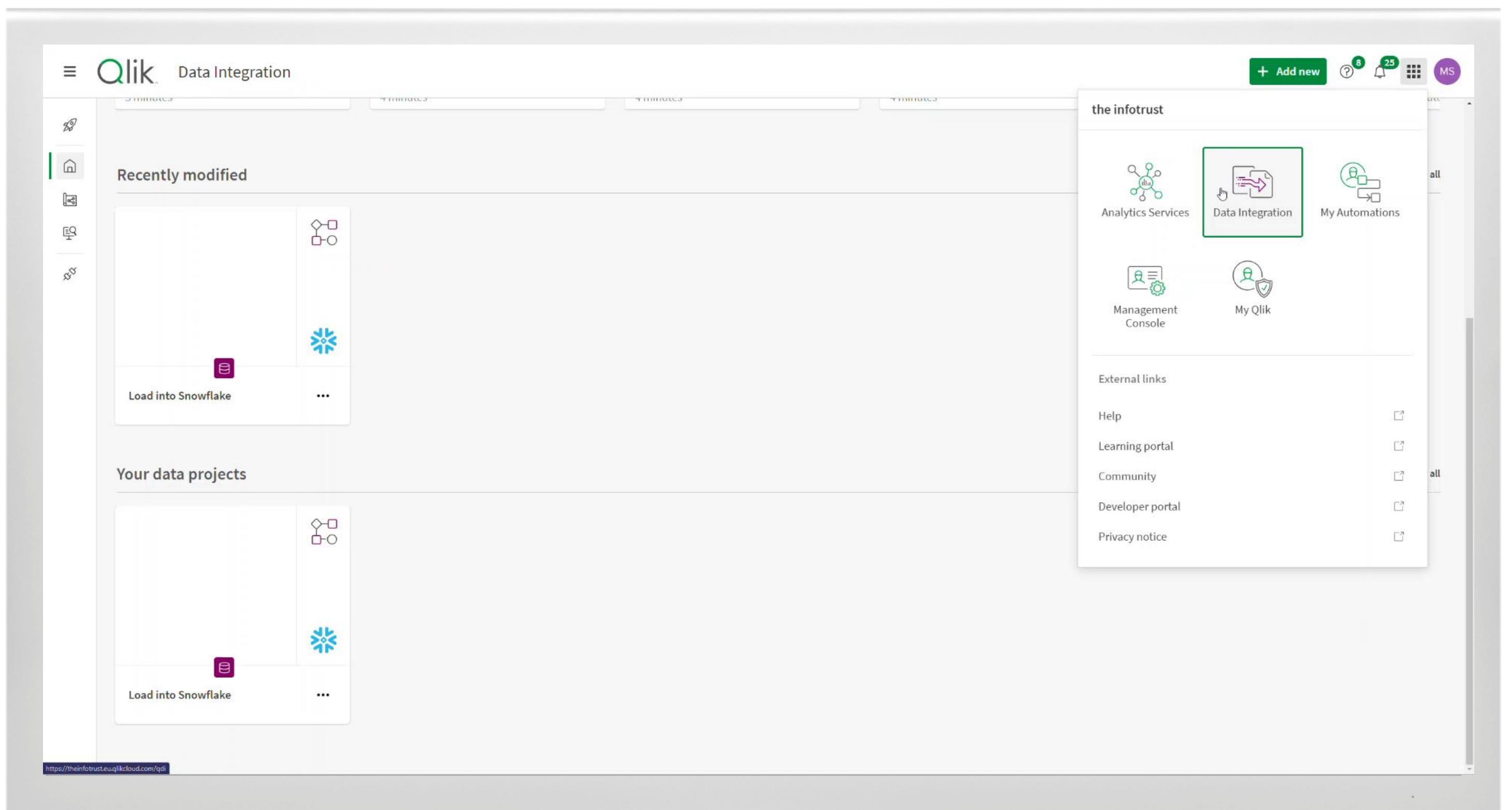
# Automate

Low-code / no-code development

- Low/no code data pipeline designer

- Real time CDC, incremental and batch delivery modes

- Data gateway for secure data transfer

- Scheduled data merging for resource/cost control

- Automated   History mode with type 2 tracking

- Data transformations

- Automated Data Lineage and Impact Analysis
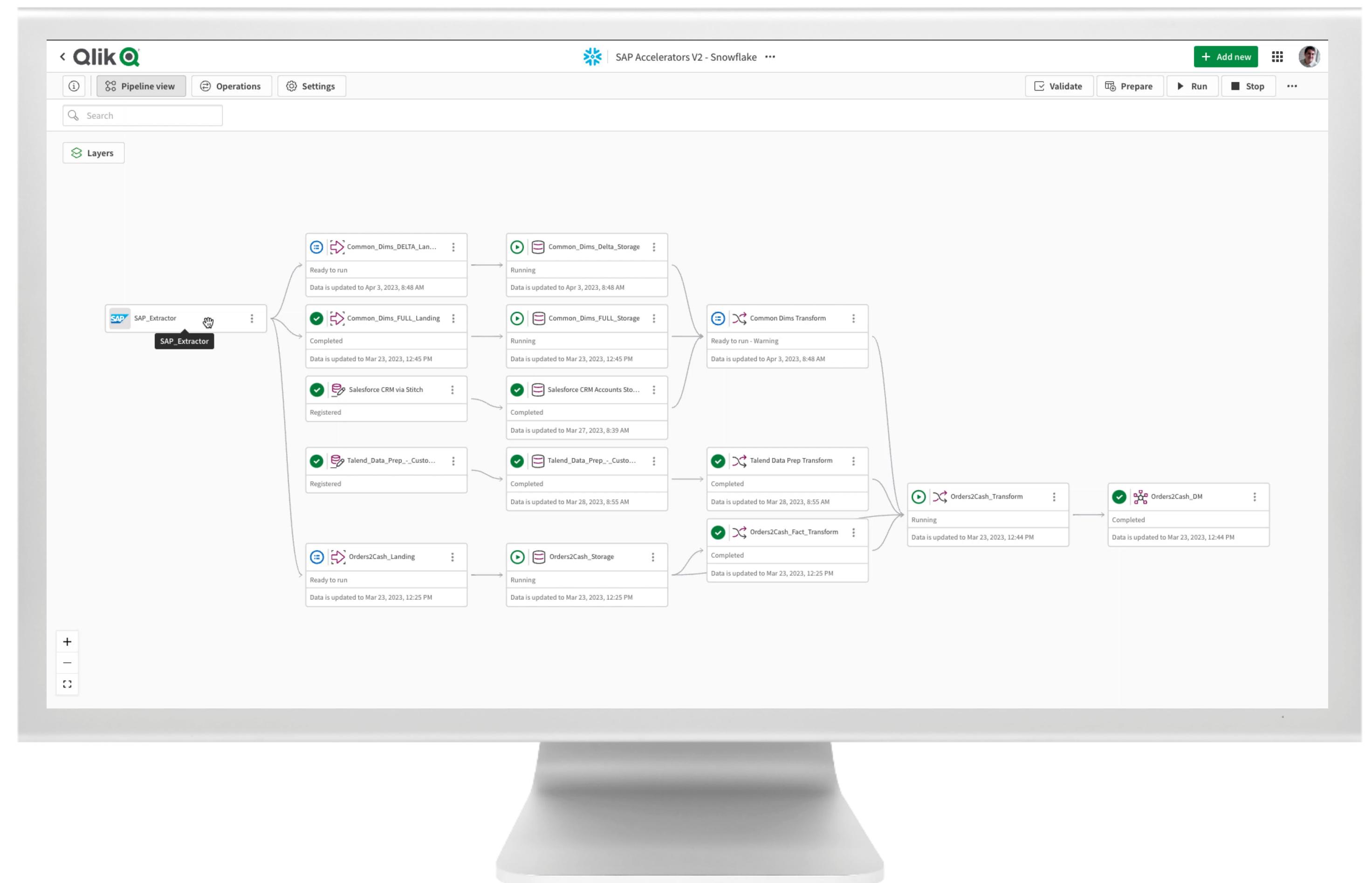
Uses for Qlik Talend Cloud

Common data integration and quality opportunities

1. Data loading/replication
2. Data warehouse modernization
3. Data lake innovation
4. Data quality & governance
5. Streaming data integration
6. API-based integration
7. Operational data integration

7 Data Integration and Quality Use Cases

Data governance: sources, transformations, and targets

Finance System Architecture
Master Configuration
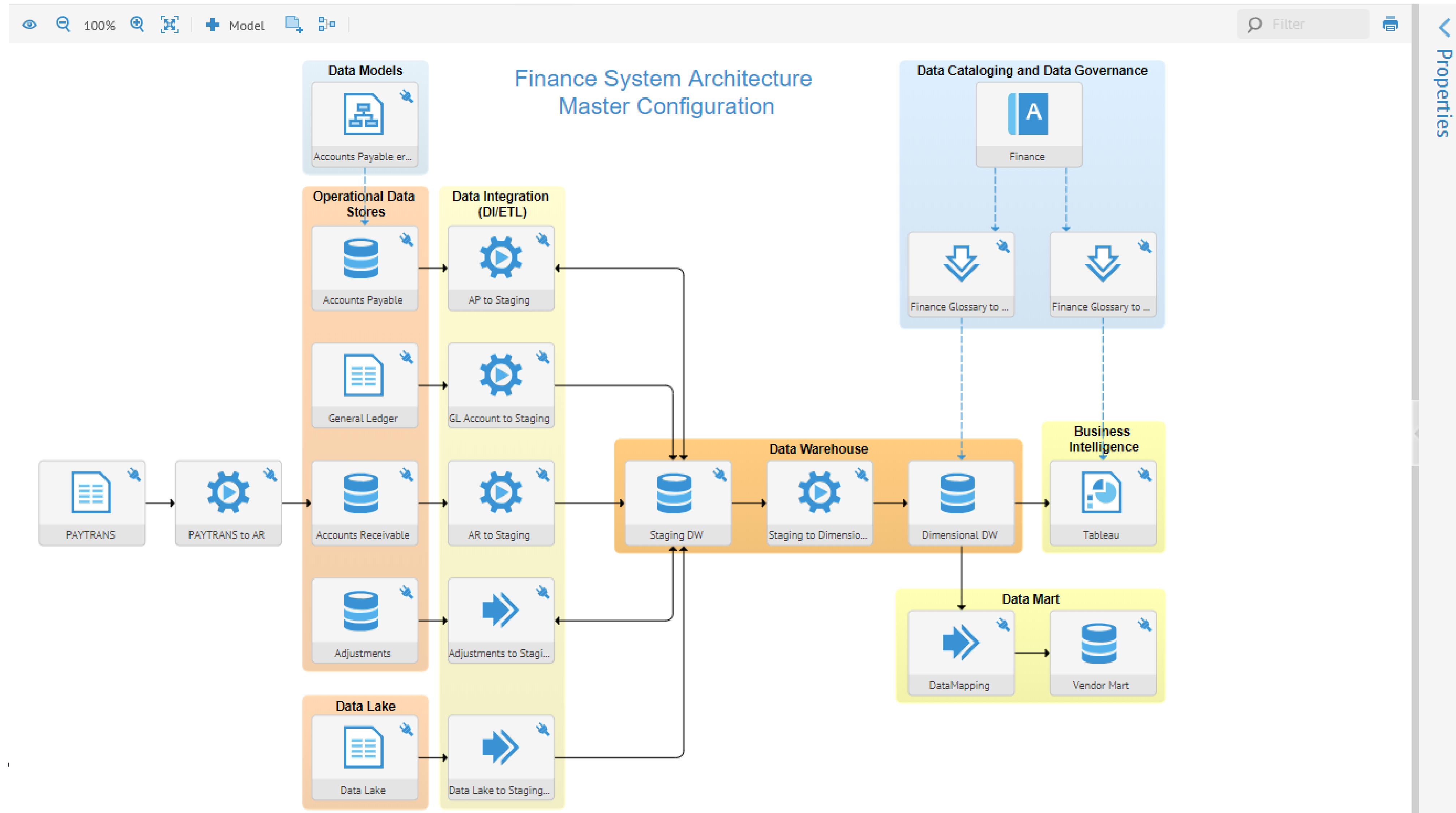
Data governance: glossary

Data governance: lineage and impact analysis
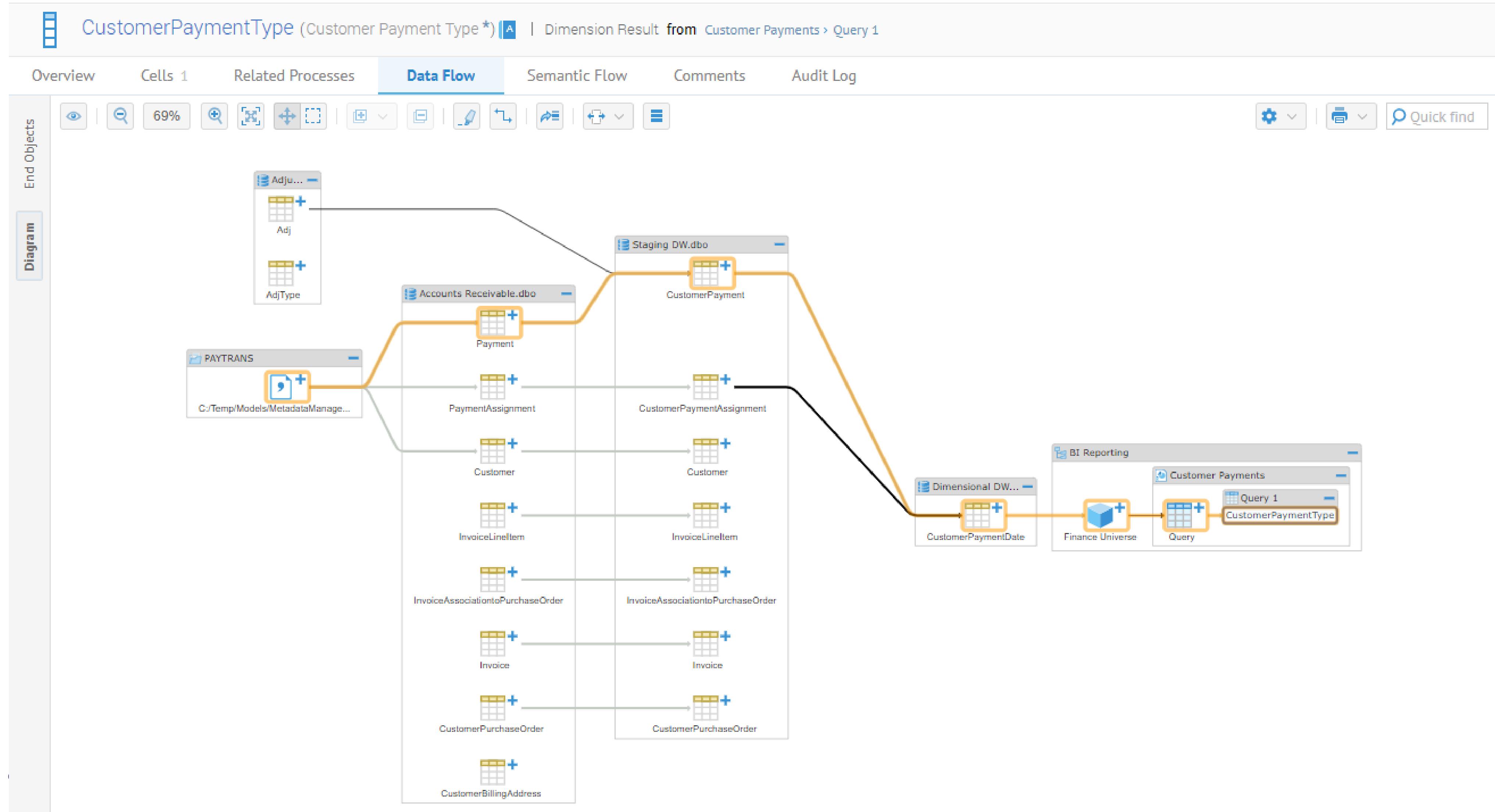
For more information – please contact

m.svilans@theinfotrust.com