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Stream and model your data with Qlik Cloud Data Integration

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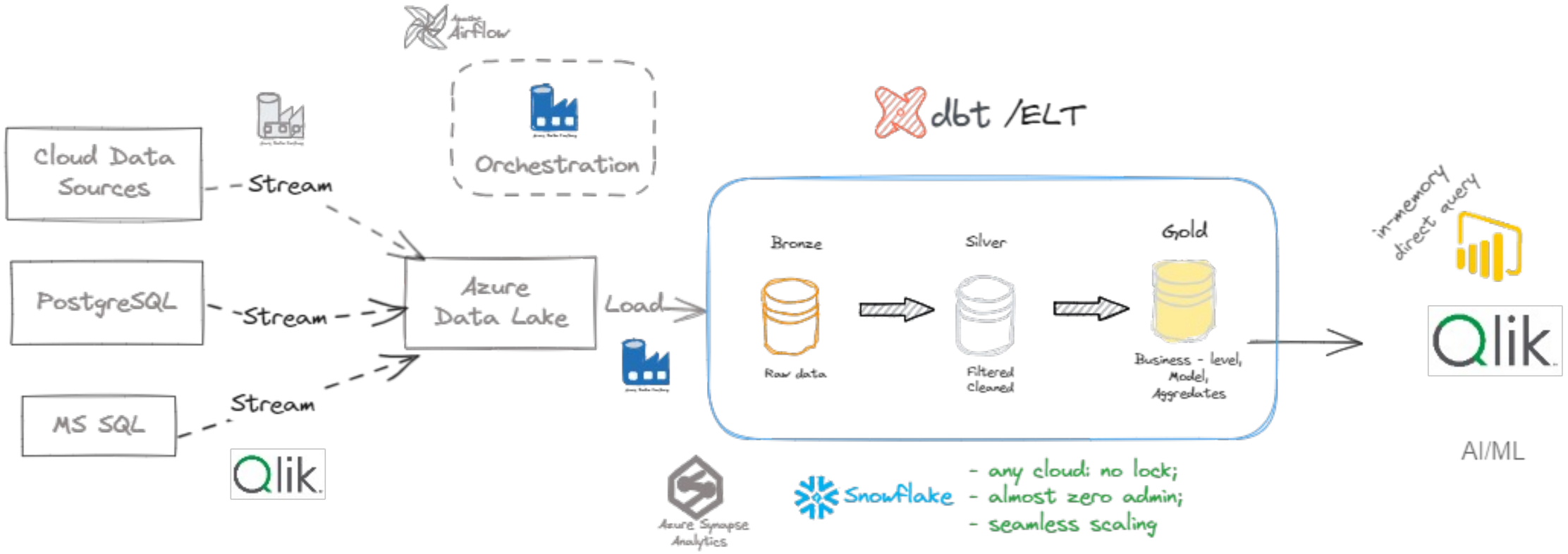
QLIK BALTICS ONLINE #2

QLIK AND SNOWFLAKE: SHAPE YOUR DATA

Qlik Cloud Data Integration

Streaming data



What Drives the Need for Data Streaming?

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

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

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.

Data up to the moment

When real time data becomes essential

- Financial Services: market monitoring, dynamic trading, and risk assessment.
- Retail: optimizing inventory, pricing, and customer experience.
- Manufacturing: monitor production lines and adjusts operations in real time.
- Transportation and Logistics: track shipments and optimizes routes for timely deliveries.
- Telecommunications: manage network performance and resource allocation.

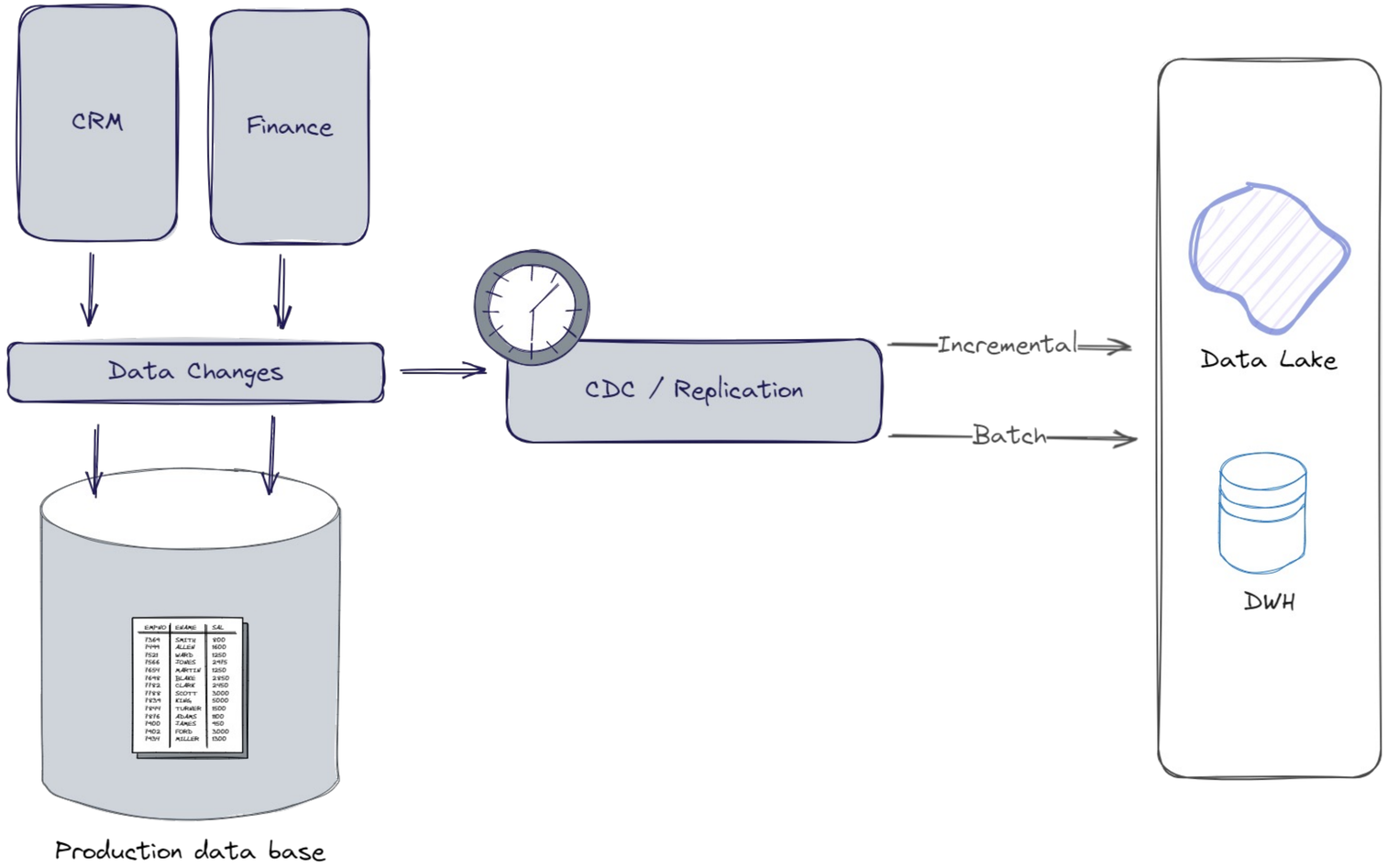
Minimal impact on source and target systems

CDC identifies and captures the data and metadata changes:

- Inserts
- Updates
- Deletes
- DDL

Two CDC architectures:

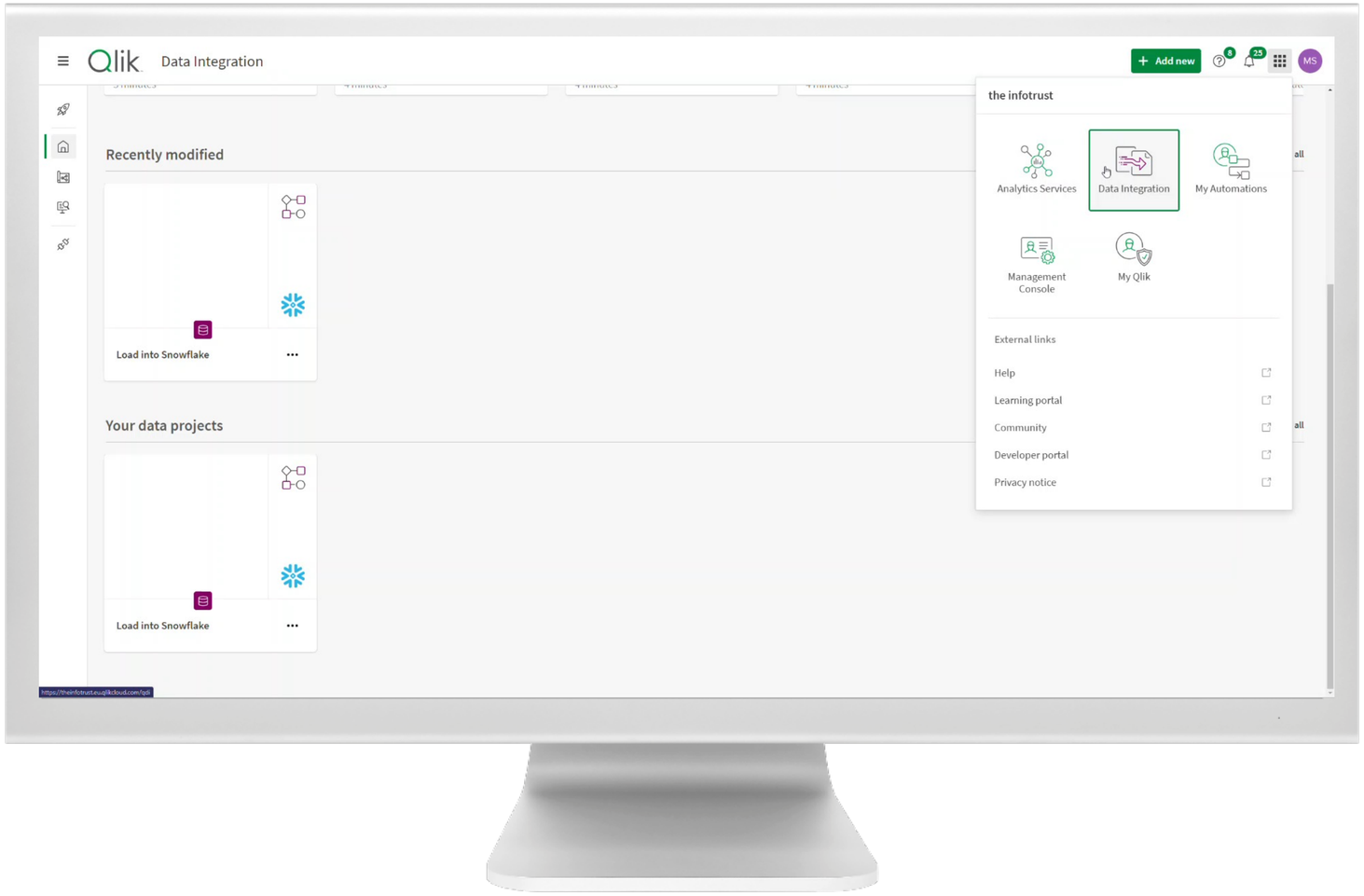
- Agent-based, resides on the source server
- Agentless. Zero footprint on source or target. More modern



Any source, many targets

Supports complex, heterogenous environments

- Sources
  - Databases
  - NoSQL
  - Flat files
  - Cloud (200+)
- Targets
  - Data lakes
  - Data warehouses

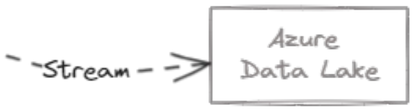


Qlik Cloud Data Integration Use Cases

Today we focused on streaming and landing the data

Enabling Qlik Analytics

- Manage creation and updating QVD's (active QVDs) used in Qlik Cloud Analytics
- QVD's are sored within Qlik Cloud Data Space or in your own S3 storage
- QVDs can be consumed also by client-managed (on premise) deployments of Qlik Sense and QlikView

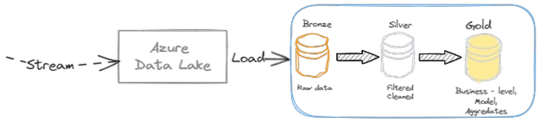


Data Lake Landing

- Zero-code approach for quickly landing your data
- Targets are object based storage from the major cloud vendors:
  - Amazon
  - Microsoft Azure
  - Google
  - Snowflake
  - Databricks

DWH Automation

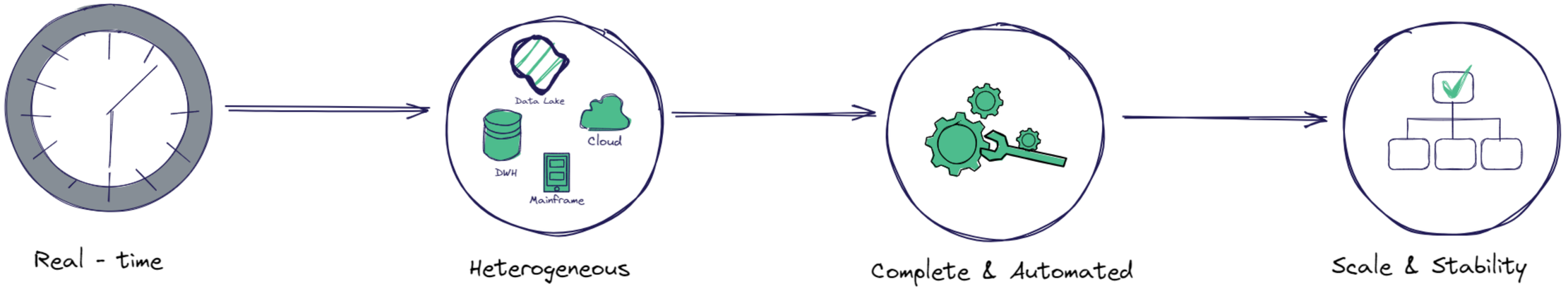
- Transforming data from from raw, source based format to analytics ready format.
- Low/no-code aproach to populate DWH and data marts:
  - Creation of fact and dimension tables
  - Slowly changing dimensions
  - De-normalization



Data Lakehouse Automation

- Transforming data from from raw, source based format to analytics ready format.
- Low/no-code aproach to populate DWH and data marts:
  - Creation of fact and dimension tables
  - Slowly changing dimensions
  - De-normalization

Summary: Qlik Cloud Data Integration Capabilities



Real - time

- ✓Architected from the ground up for real-time changed data capture and analytics-ready data delivery

Heterogeneous

- ✓Seamlessly move real-time data between heterogeneous systems
- ✓Connect on-premise systems with Cloud environments
- ✓Moves data between Cloud providers

Complete & Automated

- ✓Target table creation
- ✓Automated mappings
- ✓Schema synchronization
- ✓Data Warehouse, Data Mart and Data Lake creation
- ✓Catalogue data assets
- ✓Publish to BI and Data Science tools

Scale & Stability

- ✓Relied by even the largest enterprises - half of the Fortune 100
- ✓R&D scale to embrace ever-changing tech landscape
- ✓Deep expertise in data, data integration and analytics

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Thank You!

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Book a meeting:

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