Data Lakehouse

Vereinfachen Sie Ihre Big Data-Architektur

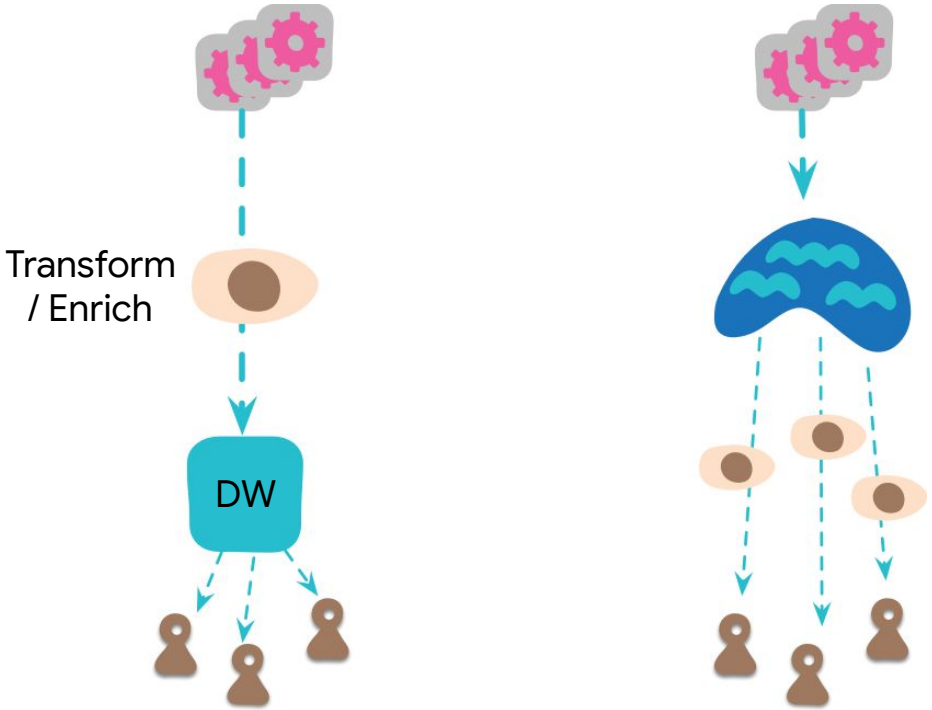




Sascha Dittmann
Customer Engineer (Smart Analytics)
Google Germany GmbH

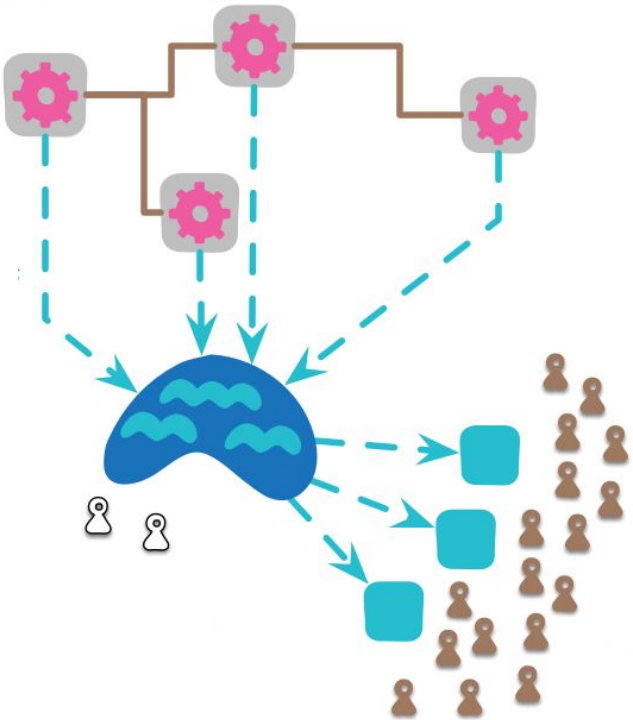
Twitter: @SaschaDittmann

Data Lakes

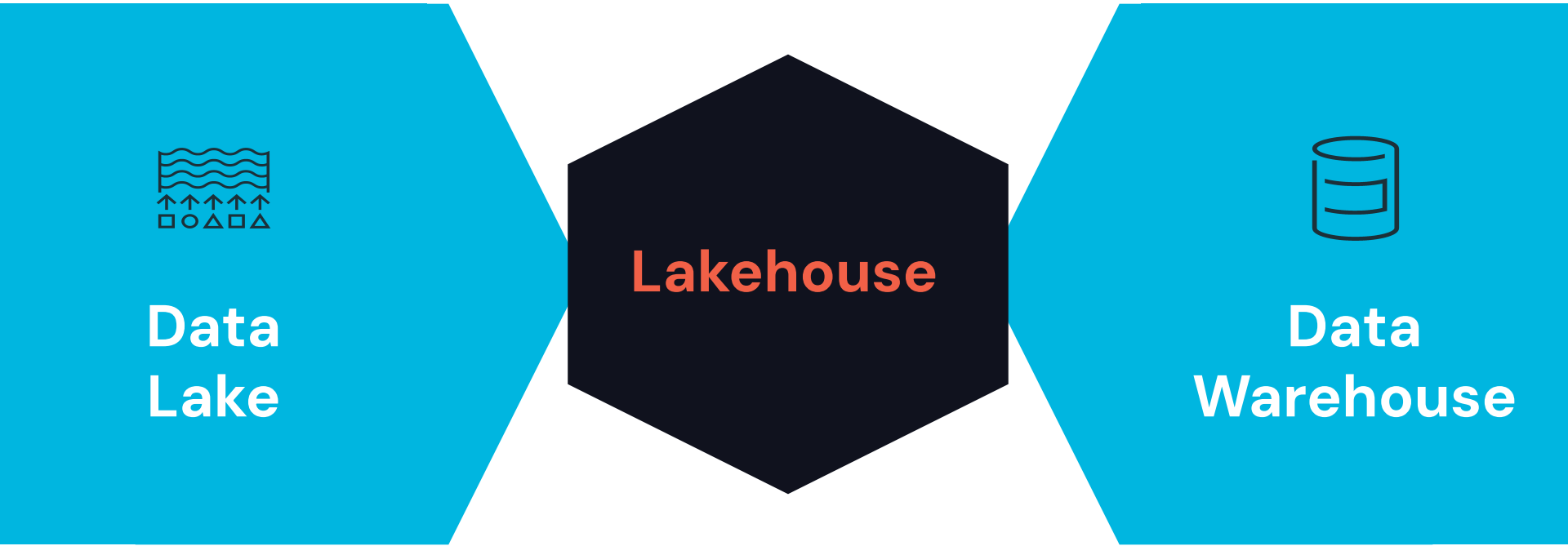


Source: https://martinfowler.com/bliki/DataLake.html

Data Lakes



Source: https://martinfowler.com/bliki/DataLake.html


Data
Lake
Lakehouse
Data
Warehouse


Data
Lake
DELTA LAKE
Data
Warehouse

Delta Lake





Open Source



Build upon standard data formats



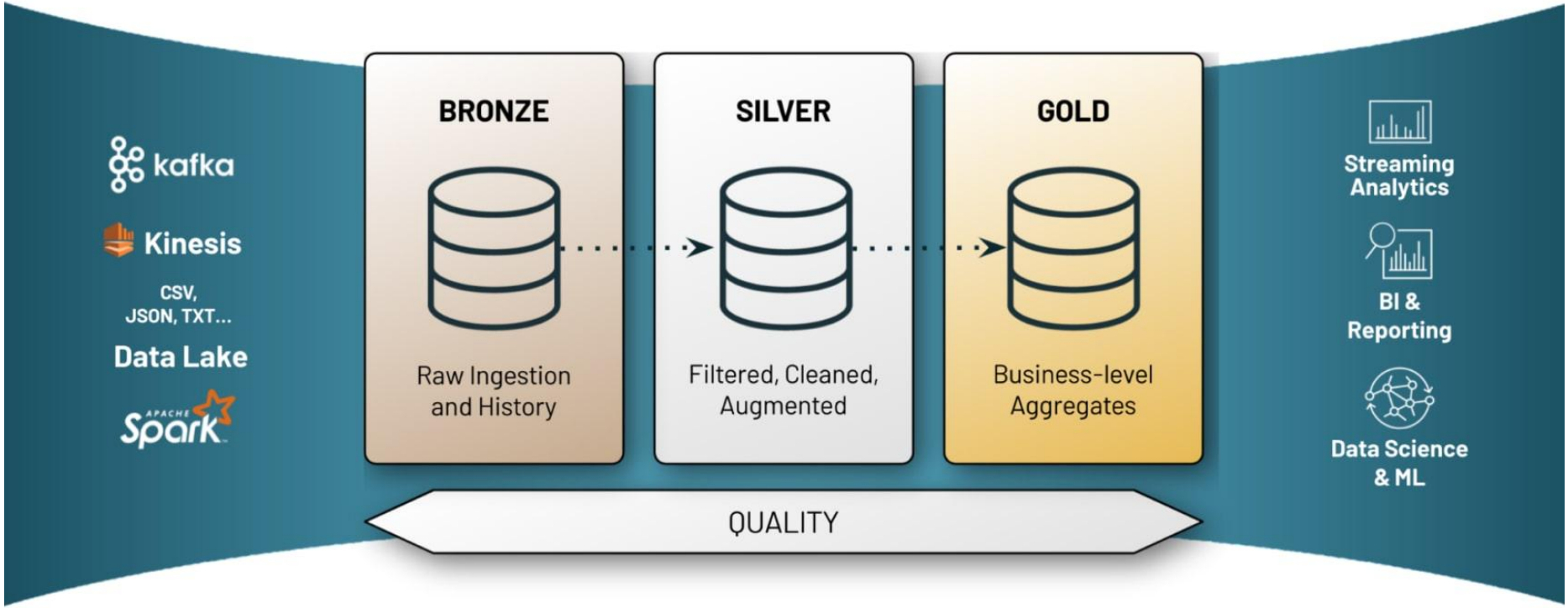
Optimized for Cloud Object Storage

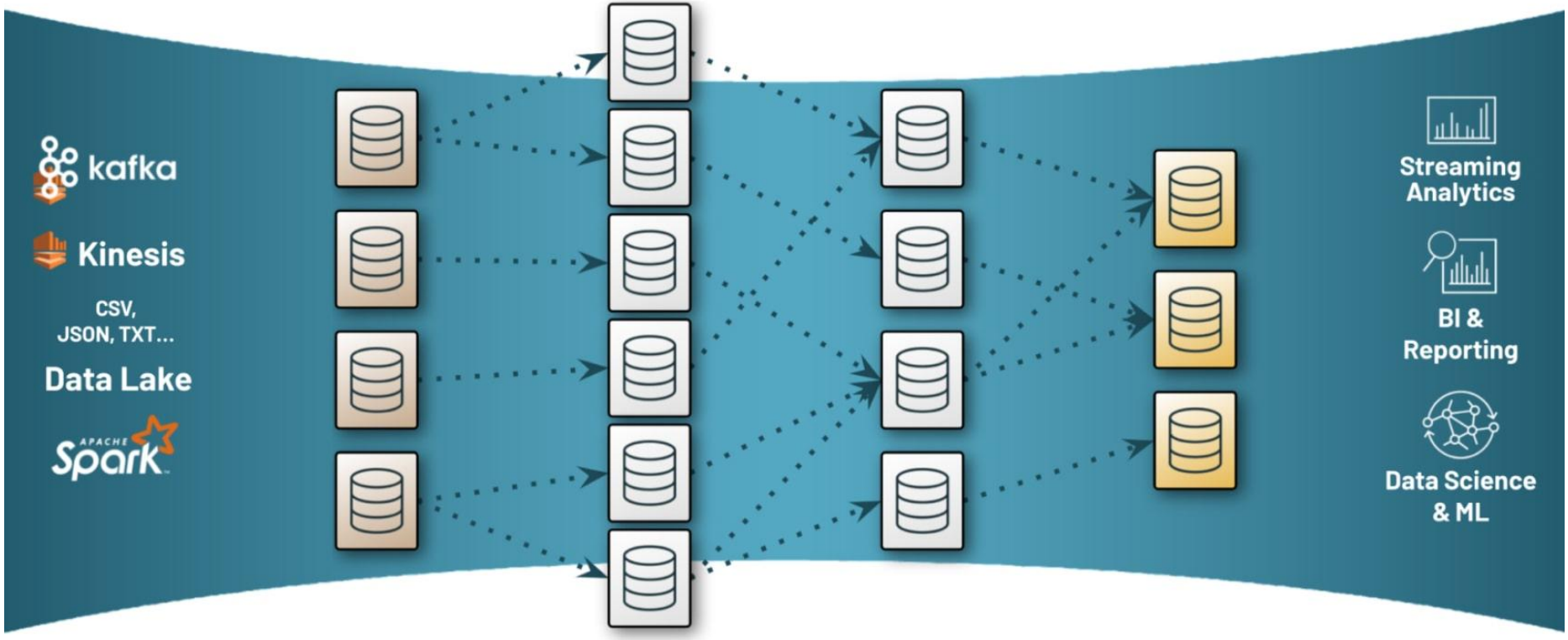


Scalable Metadata Handling



Demo: Delta Tables


kafka
Kinesis
CSV,
JSON, TXT...
Data Lake
APACHE Spark
BRONZE
Raw Ingestion and History
SILVER
Filtered, Cleaned, Augmented
GOLD
Business-level Aggregates
QUALITY
Streaming Analytics
BI & Reporting
Data Science & ML


kafka
Kinesis
CSV,
JSON, TXT...
Data Lake
APACHE
Spark
Streaming
Analytics
BI &
Reporting
Data Science
& ML



Demo: Live Tables

Thank You



