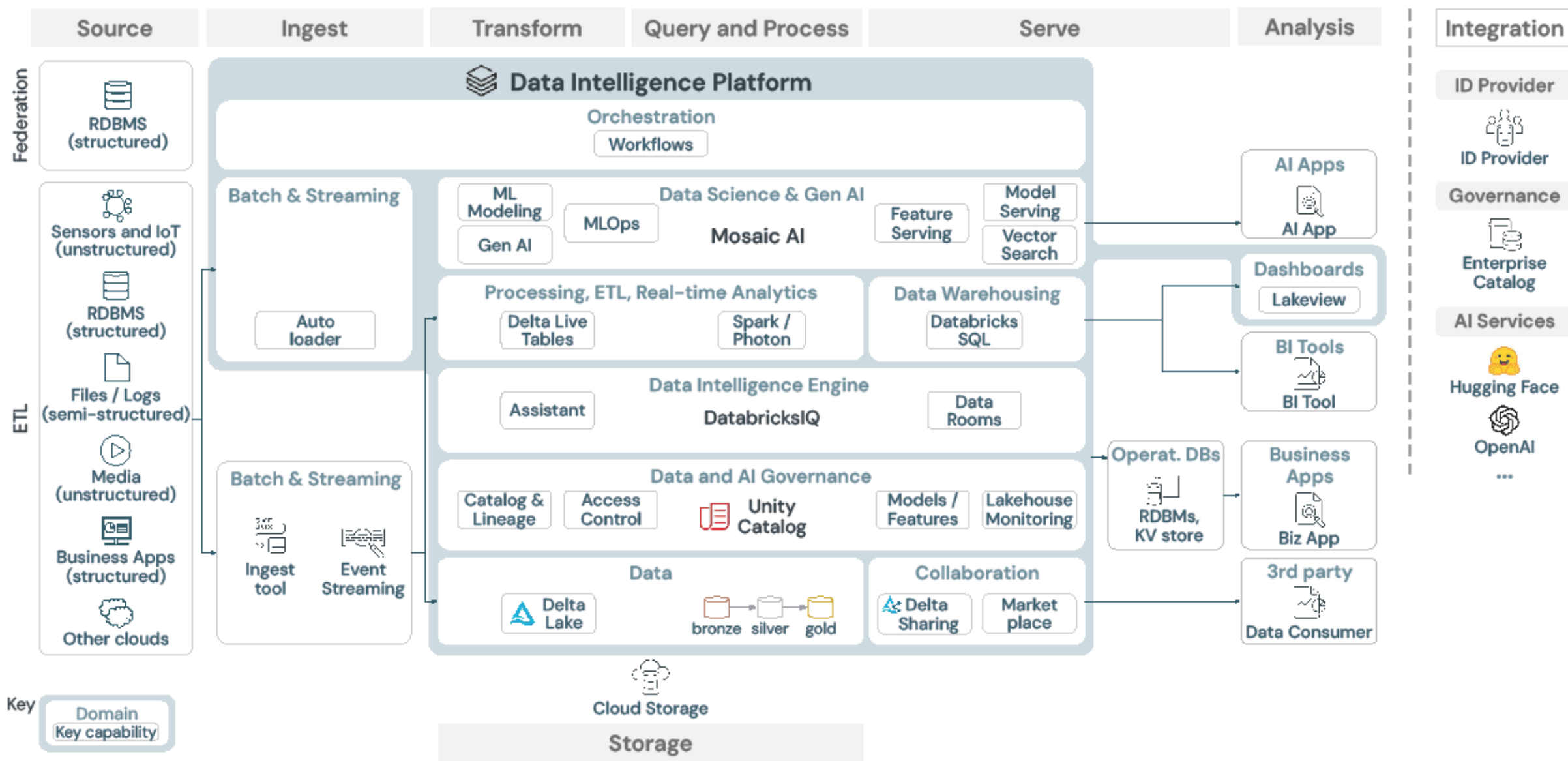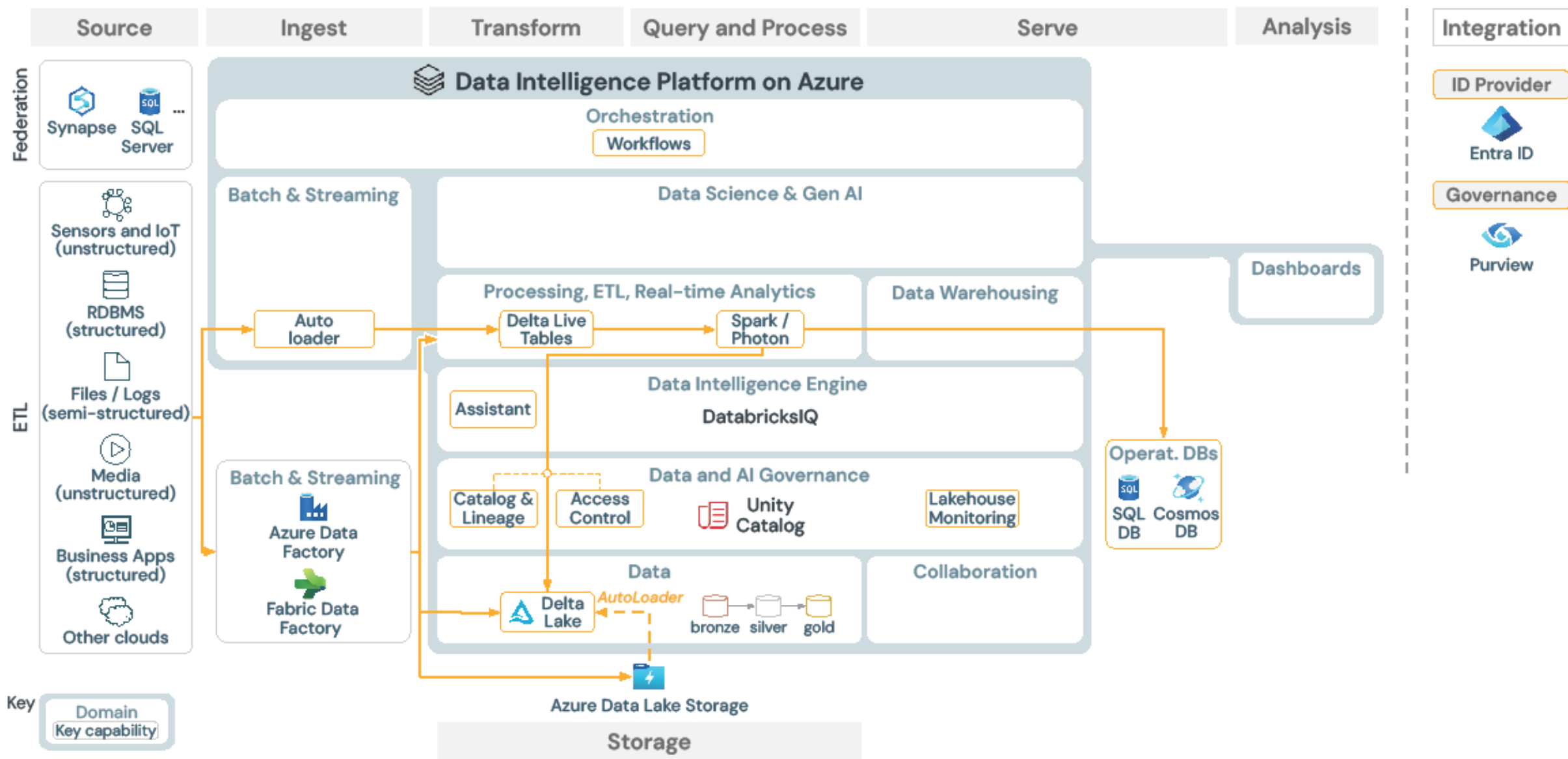# Databricks Data Intelligence Platform
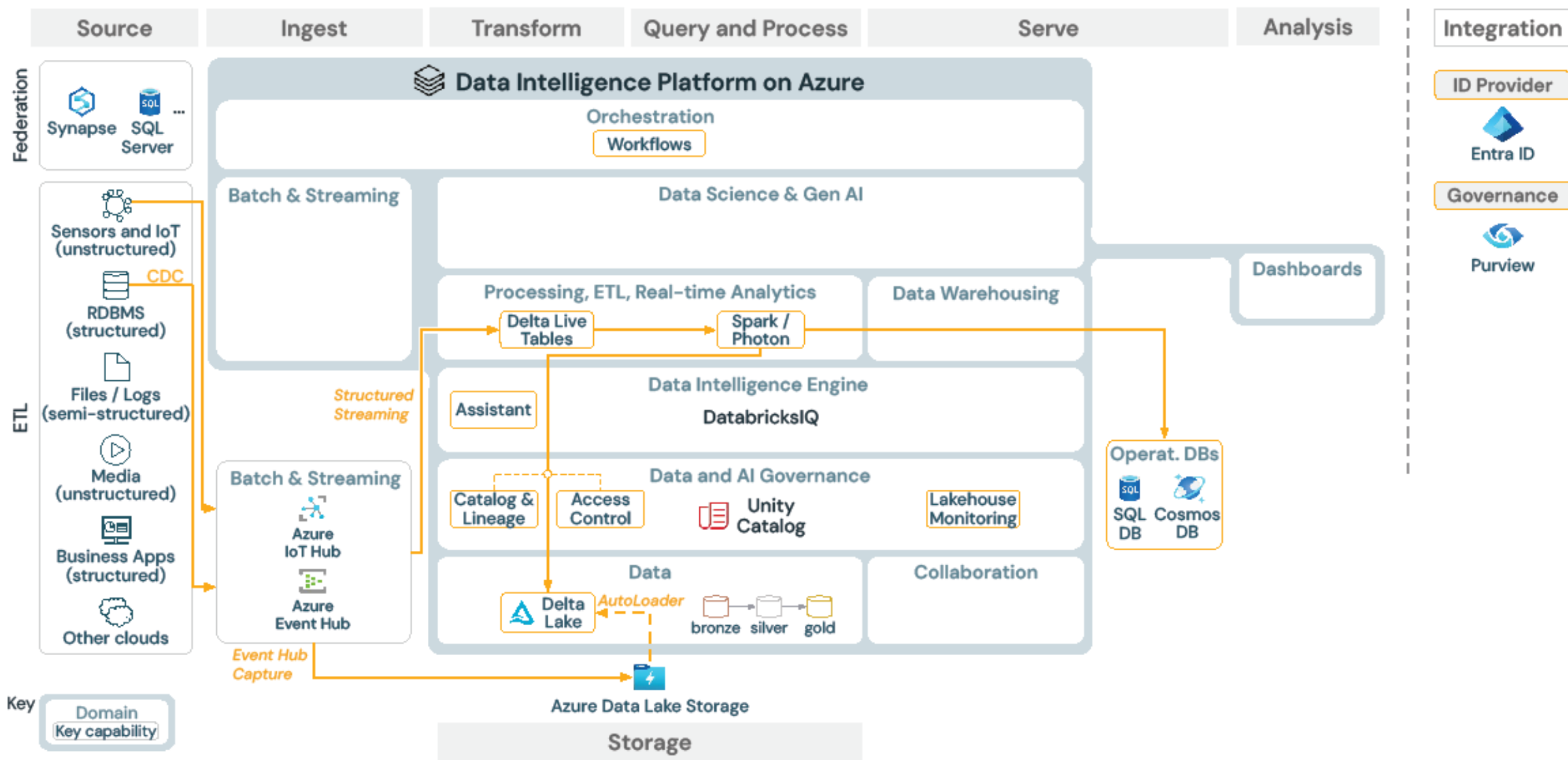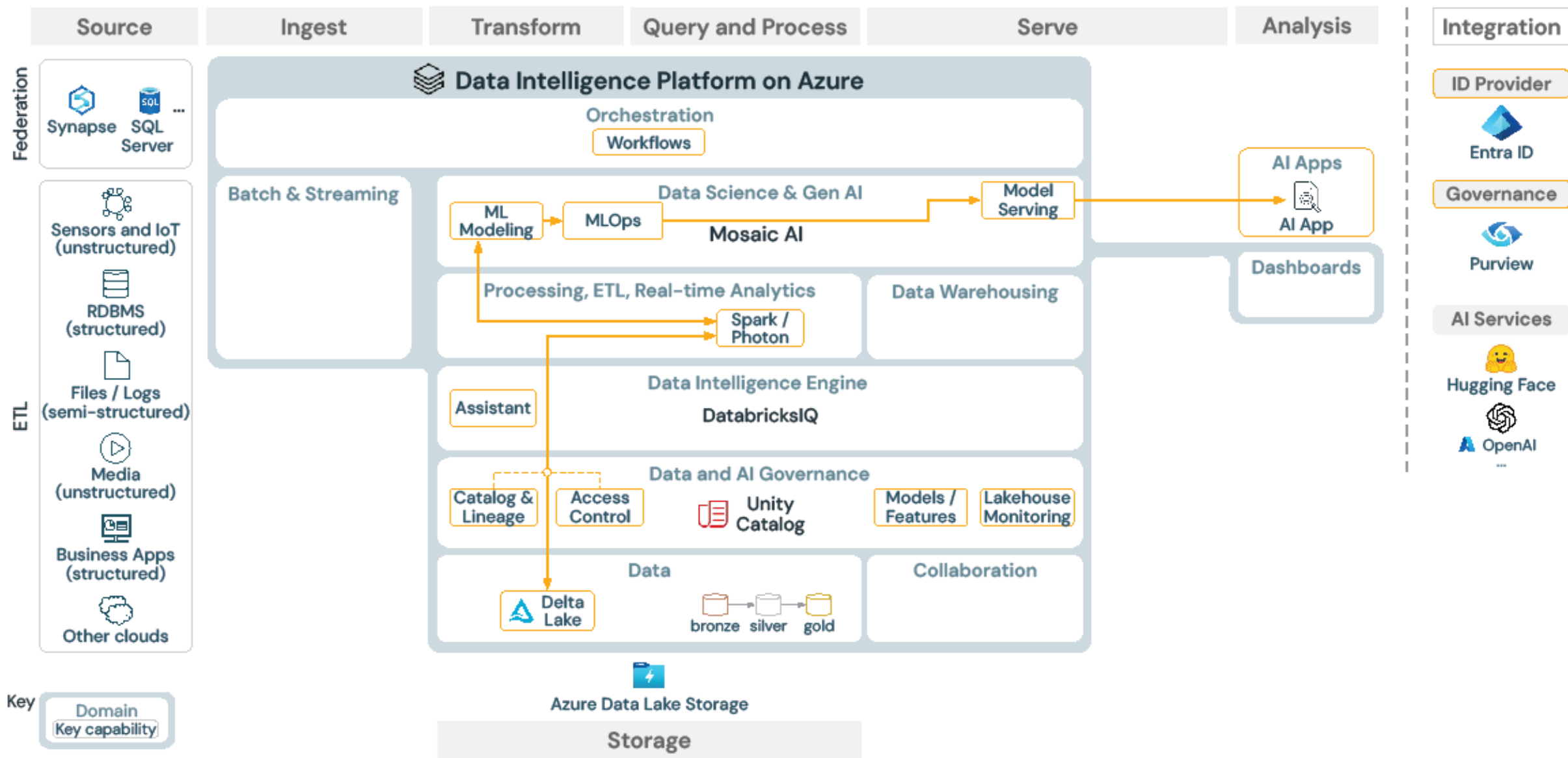
1 Batch ETL

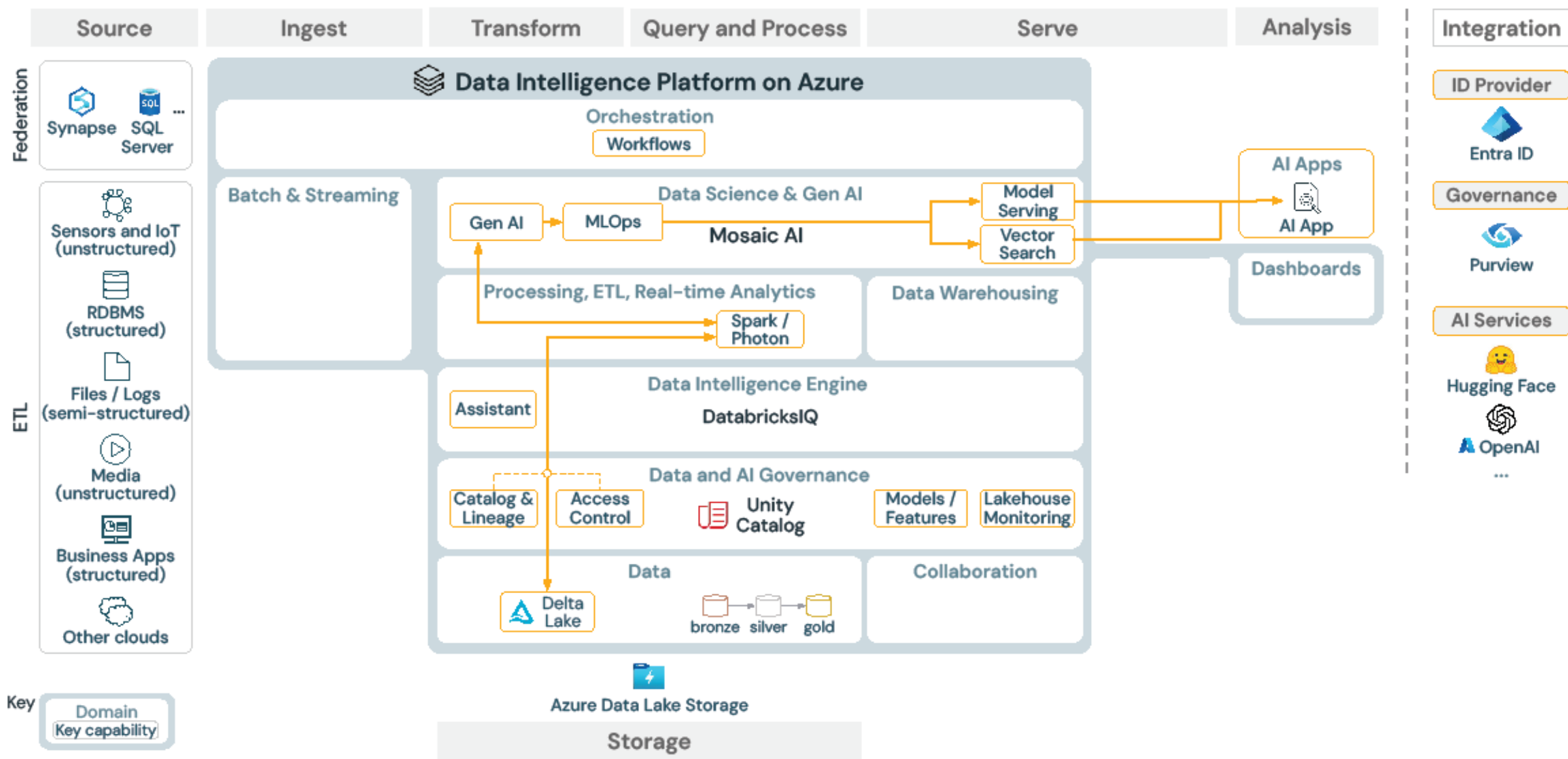# 2 Streaming and Change Data Capture
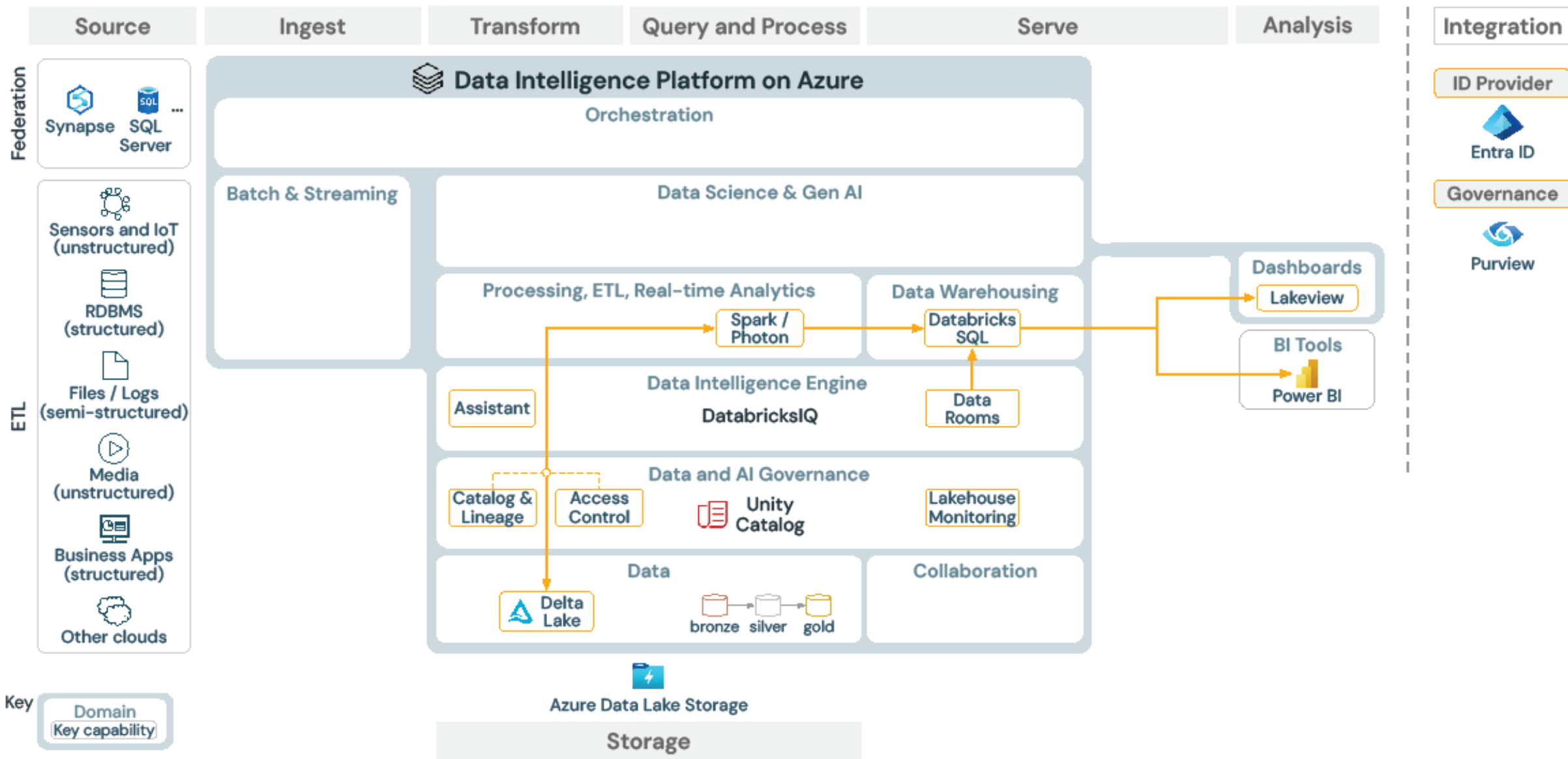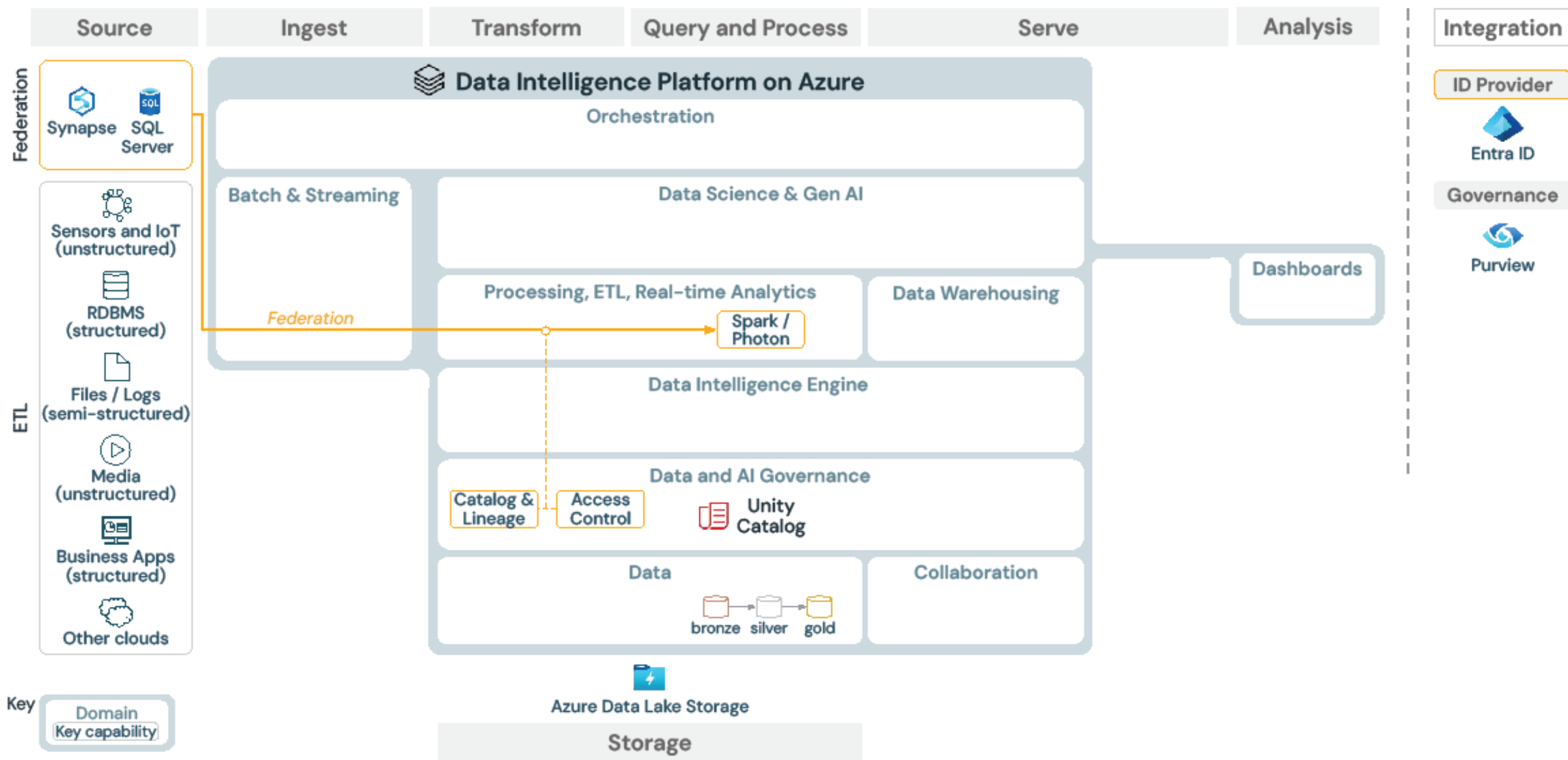
3 Machine Learning (traditional)

4 Gen AI: RAG

Source	Ingest	Transform	Query and Process	Serve	Analysis

Integration

Federation

Synapse · SQL Server · ...

ETL

Sensors and IoT (unstructured)

RDBMS (structured)

Files / Logs (semi-structured)

Media (unstructured)

Business Apps (structured)

Other clouds

Data Intelligence Platform on Azure

Orchestration
Workflows

Batch & Streaming

Data Science & Gen AI
Gen AI → MLOps

Mosaic AI

Model Serving

Vector Search

Processing, ETL, Real-time Analytics
Spark / Photon

Data Warehousing

Data Intelligence Engine
DatabricksIQ

Assistant

Data and AI Governance
Catalog & Lineage · Access Control

Unity Catalog

Models / Features · Lakehouse Monitoring

Data
Delta Lake

bronze · silver · gold

Collaboration

Azure Data Lake Storage

Storage

AI Apps
AI App

Dashboards

Integration

ID Provider
Entra ID

Governance
Purview

AI Services
Hugging Face

OpenAI

...

Key
Domain
Key capability

5 BI

6 Lakehouse Federation

7 Data Sharing