2 Streaming and Change Data Capture

Microsoft Azure

| Source | Ingest | Transform | Query and Process | Serve | Analysis |

Integration

Federation

Synapse   SQL Server   ...

ETL

Sensors and IoT (unstructured)

CDC

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

Processing, ETL, Real-time Analytics

Delta Live Tables → Spark / Photon

Data Warehousing

Structured Streaming

Data Intelligence Engine
DatabricksIQ

Assistant

Data and AI Governance

Catalog & Lineage   Access Control   Unity Catalog   Lakehouse Monitoring

Batch & Streaming

Azure IoT Hub

Azure Event Hub

Event Hub Capture

Data

Delta Lake   *AutoLoader*

bronze   silver   gold

Collaboration

Azure Data Lake Storage

Storage

Dashboards

Operat. DBs

SQL DB   Cosmos DB

Integration

ID Provider

Entra ID

Governance

Purview

Key

Domain
Key capability

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