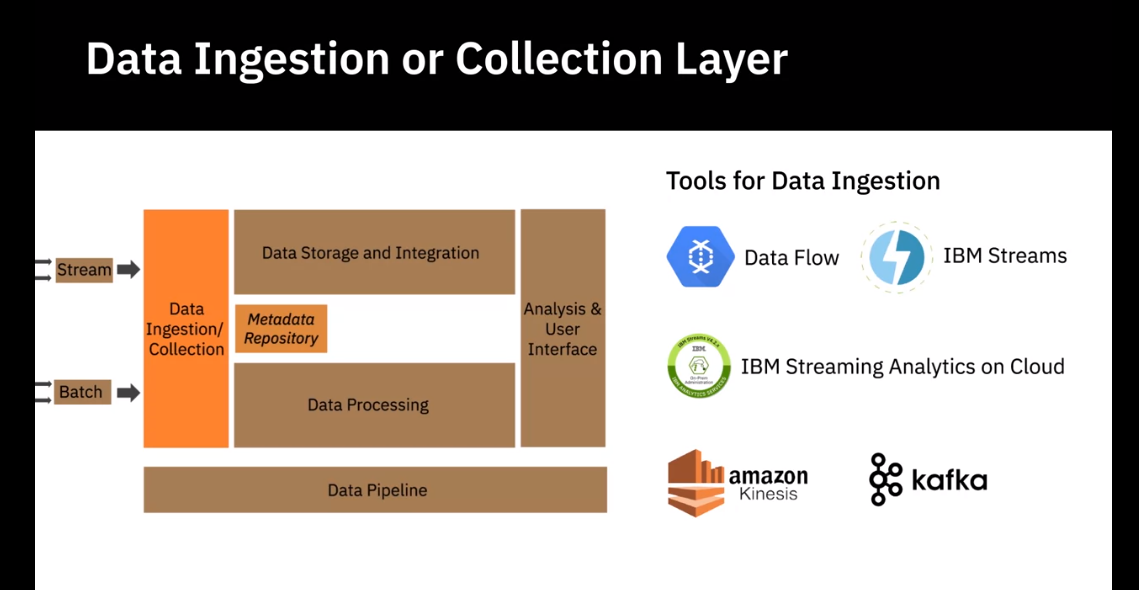
[Week 3](https://www.coursera.org/learn/introduction-to-data-engineering/home/week/3)

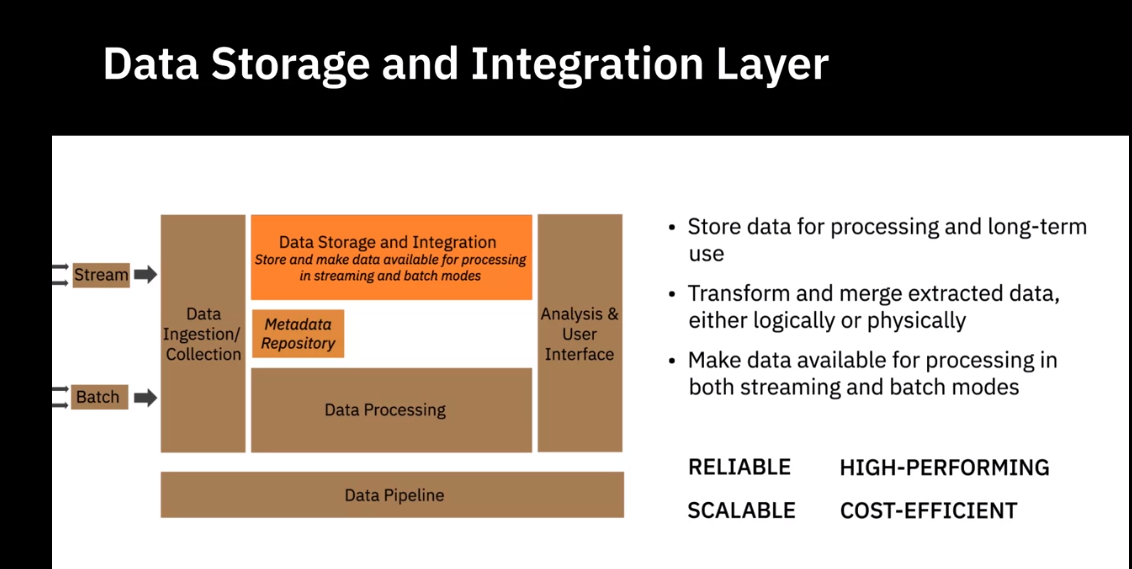
Architecting the Data Platform

Data Ingestion or Collection Layer

Tools for data ingestion



Data Storage Layer

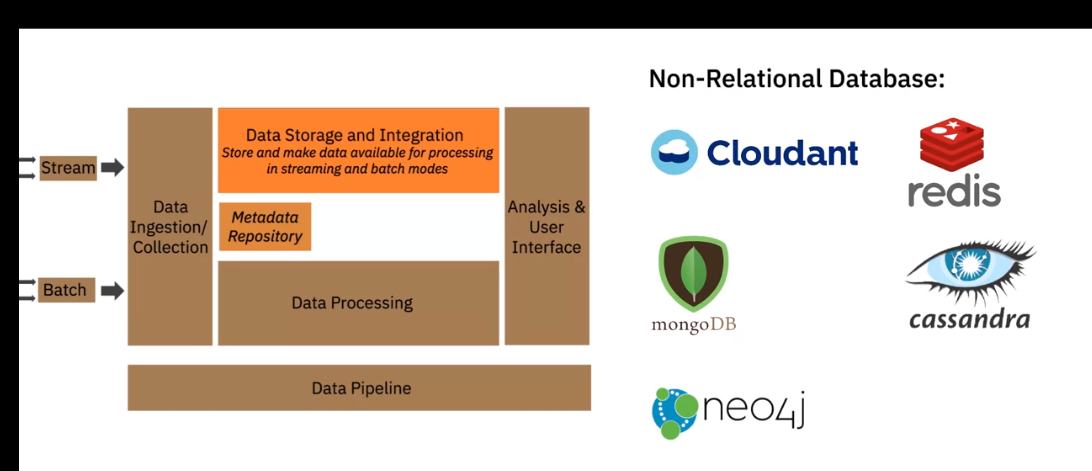


Ralational Databases

A close-up of a computer screen

Description automatically generated

Database as a service

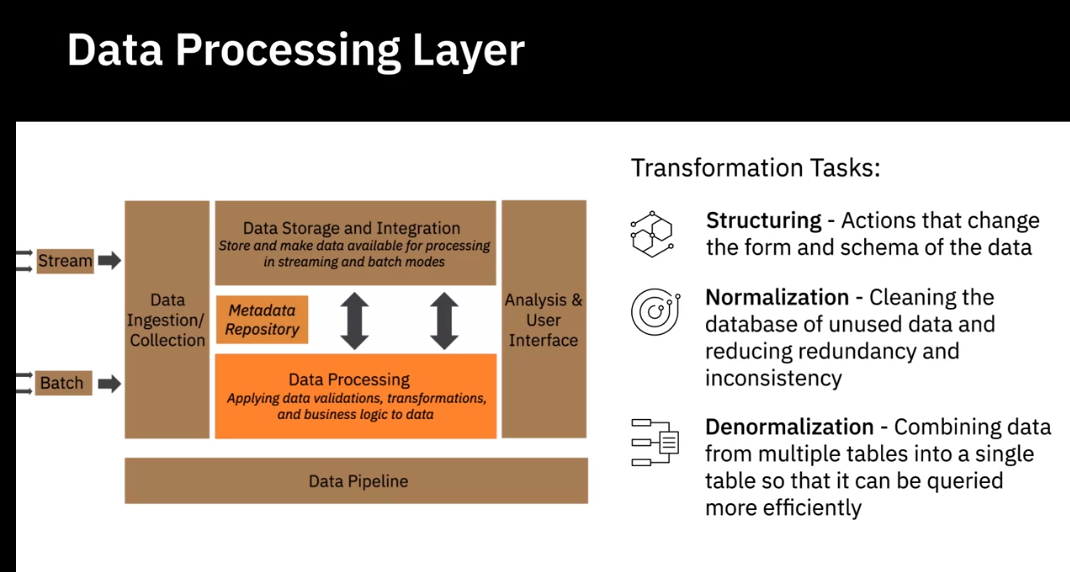


Integration Tools

A diagram of a company

Description automatically generated with medium confidence

Data Processing Layer



A diagram of data processing

Description automatically generated

A diagram of data processing

Description automatically generated

A diagram of data processing

Description automatically generated

Analysis User Interface Layer

A diagram of a data processing process

Description automatically generated

A diagram of a software application

Description automatically generated

A diagram of information on a computer

Description automatically generated

Data Pipeline Layer

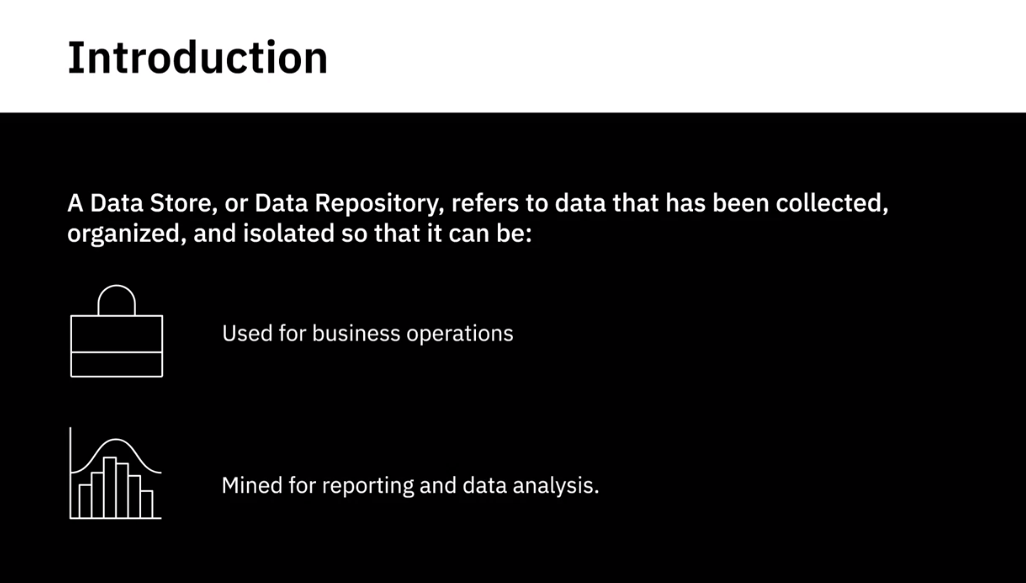
A diagram of data processing

Description automatically generated

A diagram of a process

Description automatically generated

**Factors for Selecting and Designing Data Stores**



Considerations of designing a data store

A diagram of data storage

Description automatically generated

A white background with black text

Description automatically generated

Type of Data

A black and white text with black text

Description automatically generated

Type of Database

A black and white text and a black and white image

Description automatically generated

Type of nosql database

A black and white text

Description automatically generated

Volume of Data

A black and white text on a black background

Description automatically generated

Intended use of Data

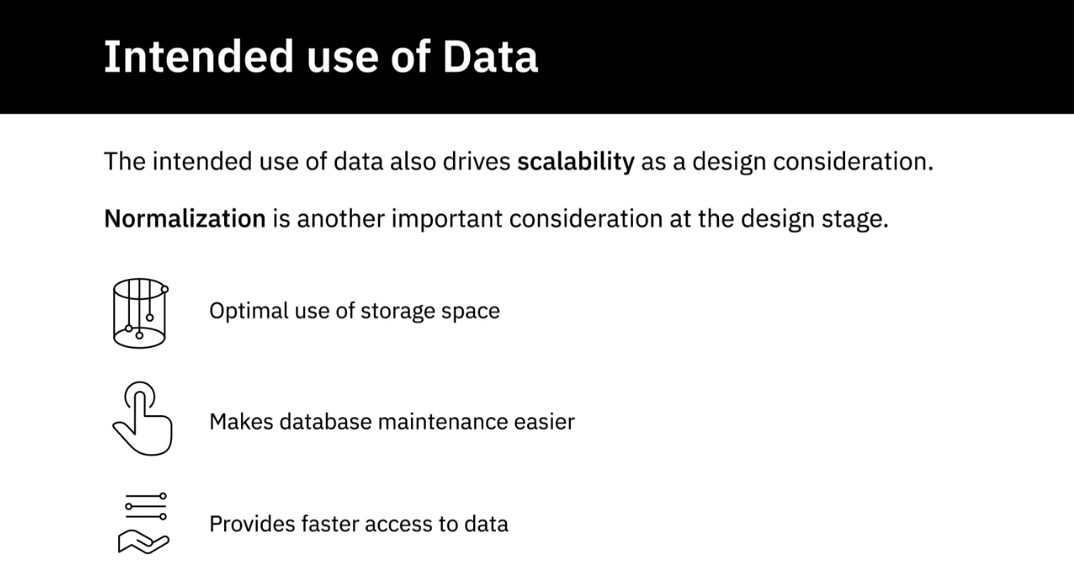
A diagram of data

Description automatically generated

Intended use of Data

A black and white text on a black background

Description automatically generated



Normalisation: Transactional Data

Storage Considerations

A black and white text

Description automatically generated