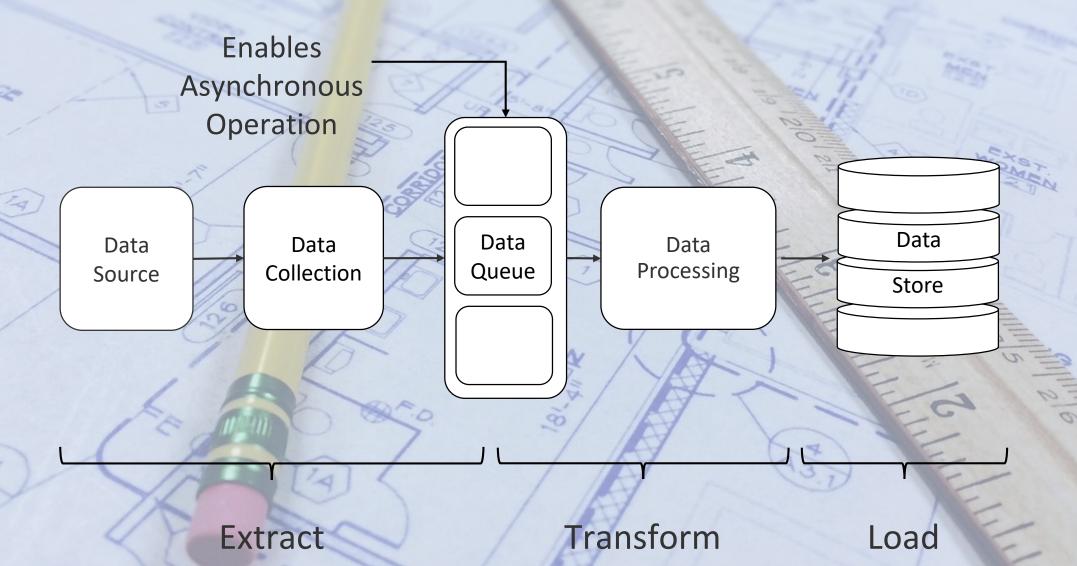
Architecting Big Data Solutions with Apache Spark Lecture 3: Our ETL Application

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Reference Architecture: Batch Oriented Data Pipelines



Our Project





Technology Mapping for Our Course

Engagement Layer







Analytics Layer



Integration Layer



Persistence Layer

Local File System

Infrastructure Layer





We will use visualization tools like Superset to visualize The result of our analytics layer.

We will use spark to solve complex analytics, machine learning and streaming problems. This is another focus area of our course!

We will use Spark to collect and consume data from desperate sources. This is one of the focus areas!

Persistence layer, and Relational and Non-relational databases are a topic of it's own. I will touch upon only the Parquet file format as our persistence layer.

We will use Databrick's community edition as our learning platform. If there is time, I would like to touch upon Elastic MapReduce on Amazon Web Services.

