

CHAPTER 3 Common Data Pipeline Patterns

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ETL and ELT

These are most common data pipelines pattern, two of them are substantial in everything only the order of final two steps say transformation and loading is different.

- The extract step gathers data from different source systems makes them ready of loading and transformation.
- The load step brings either raw data or fully transformed data into the final destination.
- The transform step in which raw data from each source is combined and formatted in such a way that its useful for data visualization or whatever use cases the pipeline is serving

EtLT

This is a subtask for transformation In which cases like we want to mask sensitive data, hence make sure to perform tasks.

ELT is advantageous in such a way that, data engineers can focus on extraction and loading data while analysts can utilize SQL to perform transformations there by giving each of team members a clear cut role dividend and easy coordination as well.