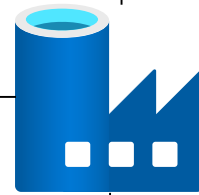- Connect to source/destination and move data
  - Example: Azure Blob > Data Factory > SQL DB
- Information in services changes according to resources connected (subscription/name/authentication/server/keys)
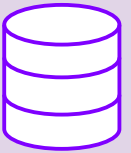
Concepts →

- An orchestration engine with direct control over other services
  - Linked service
  - Dataset
  - Pipeline
- Data integration services
  - Retrieve data from 1/+ sources
  - Sources in different formats
  - Extract interesting data after processing (transformed into single uniform structure)
- Ingest raw unorganized data (ELT/ETL)
- Work defined in pipelines of operations
  - Continuous runtime
  - Create with GUI/code

Linked Services

Data Sets

Azure Data Factory

- Data to ingest (input) and store (output)
  - Specify the structure
  - Structured/Unstructured data
- Connect input/output with linked service

- Group actions/activities to perform a task
  - Example: Lookup > Filter > Process > Copy
- Copy/transform/process/store
- Linear and nonlinear, include logic (conditional) activities (IF/For Each)
- Map transformed data to new column names or data format
- Run manually/automate/trigger according to event/schedule/interval

Pipelines

aRt Verse
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