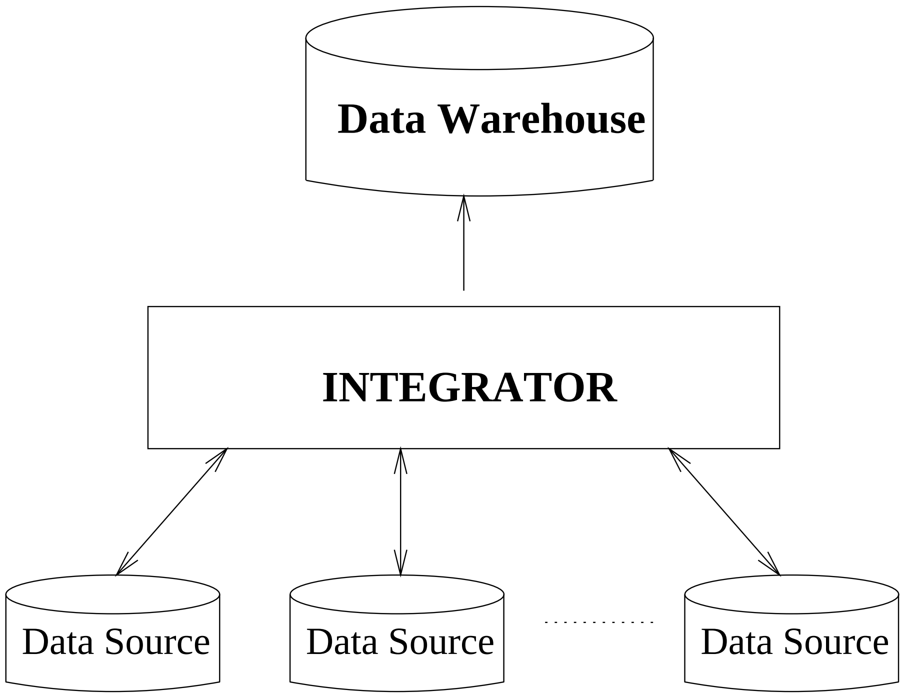
Data Warehouses and Data Integration Services

- Data Integration
  - Virtual Views
  - Materialized Views
- Data Warehousing
  - Motivation
    - decision support (data mining, OLAP)
    - common mental model
  - Challenges
    - modeling and design
      - architecture and semantic mapping
    - maintenance
      - creation and refreshing
    - operation
      - query languages and processing
      - storage and indexing


Data Warehouse
INTEGRATOR
Data Source
Data Source
Data Source