

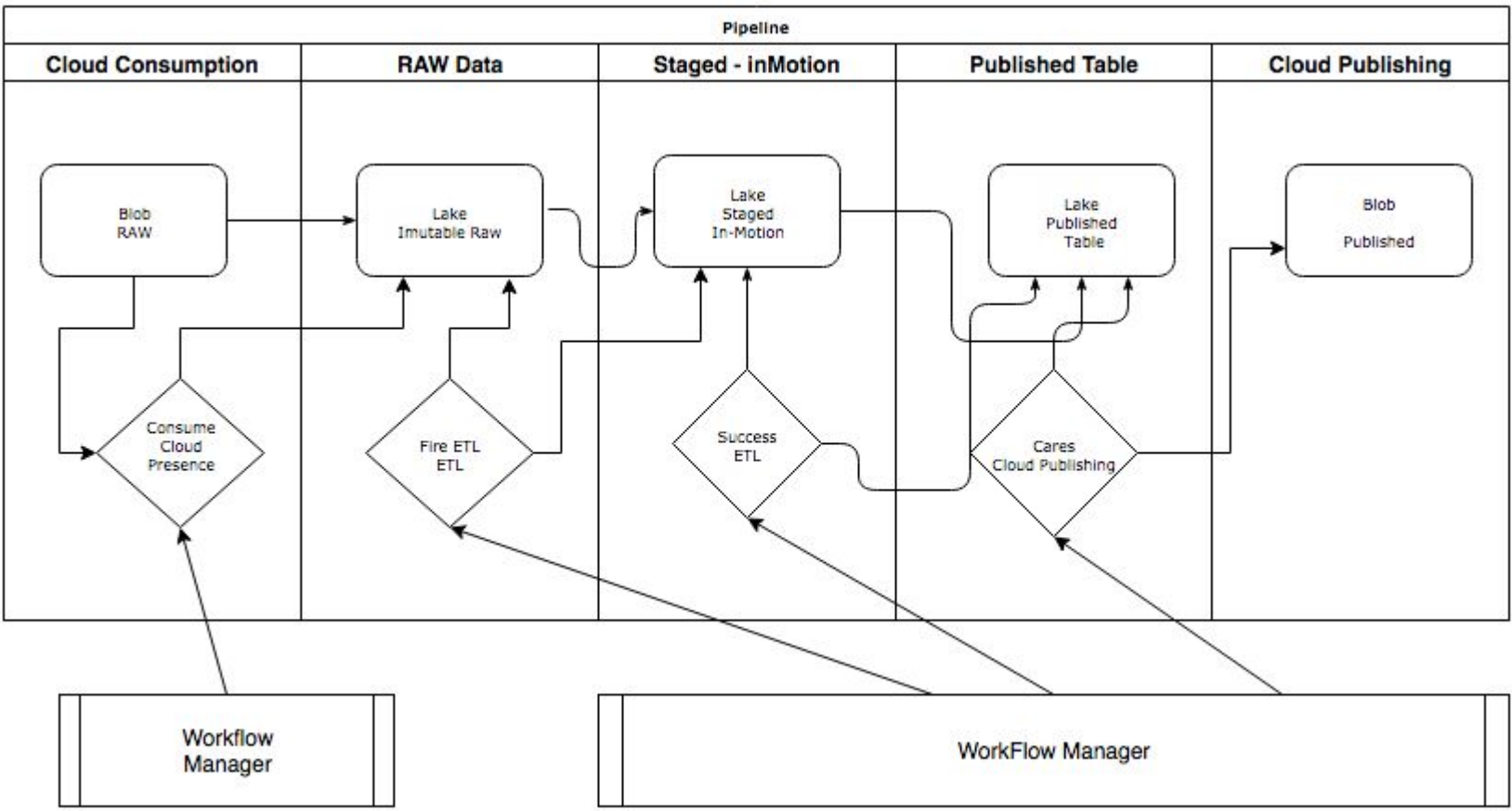
# Fuel BigData

Solution - Data Architecture - FAaS - Framework-As-a-Service

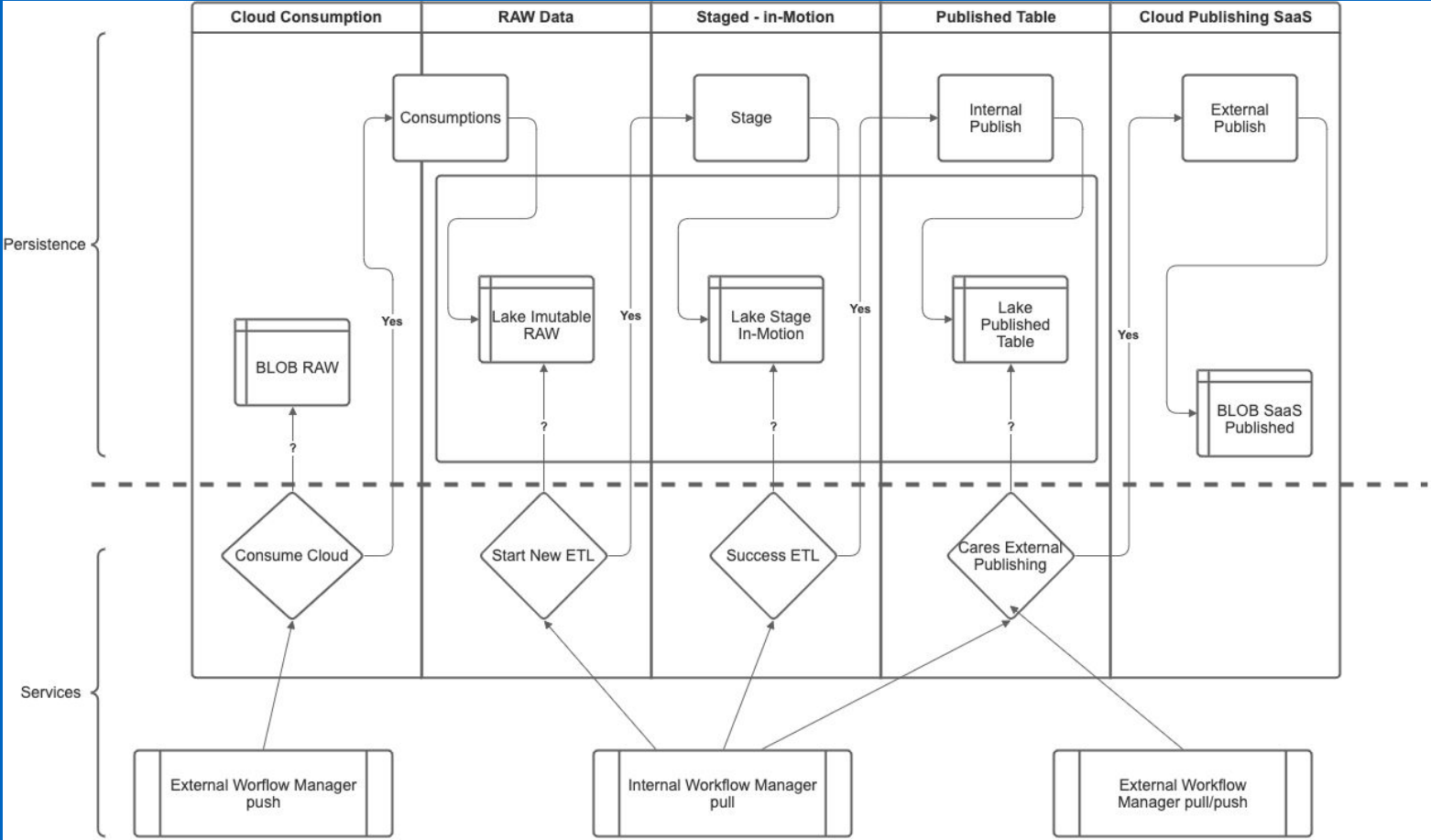
# FAaS - Framework-As-a-Service

- What is ?
  - a mature Data Architecture
    - Evolved in continuous iterations
- What it covers
  - DataOps
    - Cloud Formation
  - Data ETL/ELT
  - Data Science
  - Data Modeling and Cataloguing
  - Big Data Migration in Hybrid Cloud

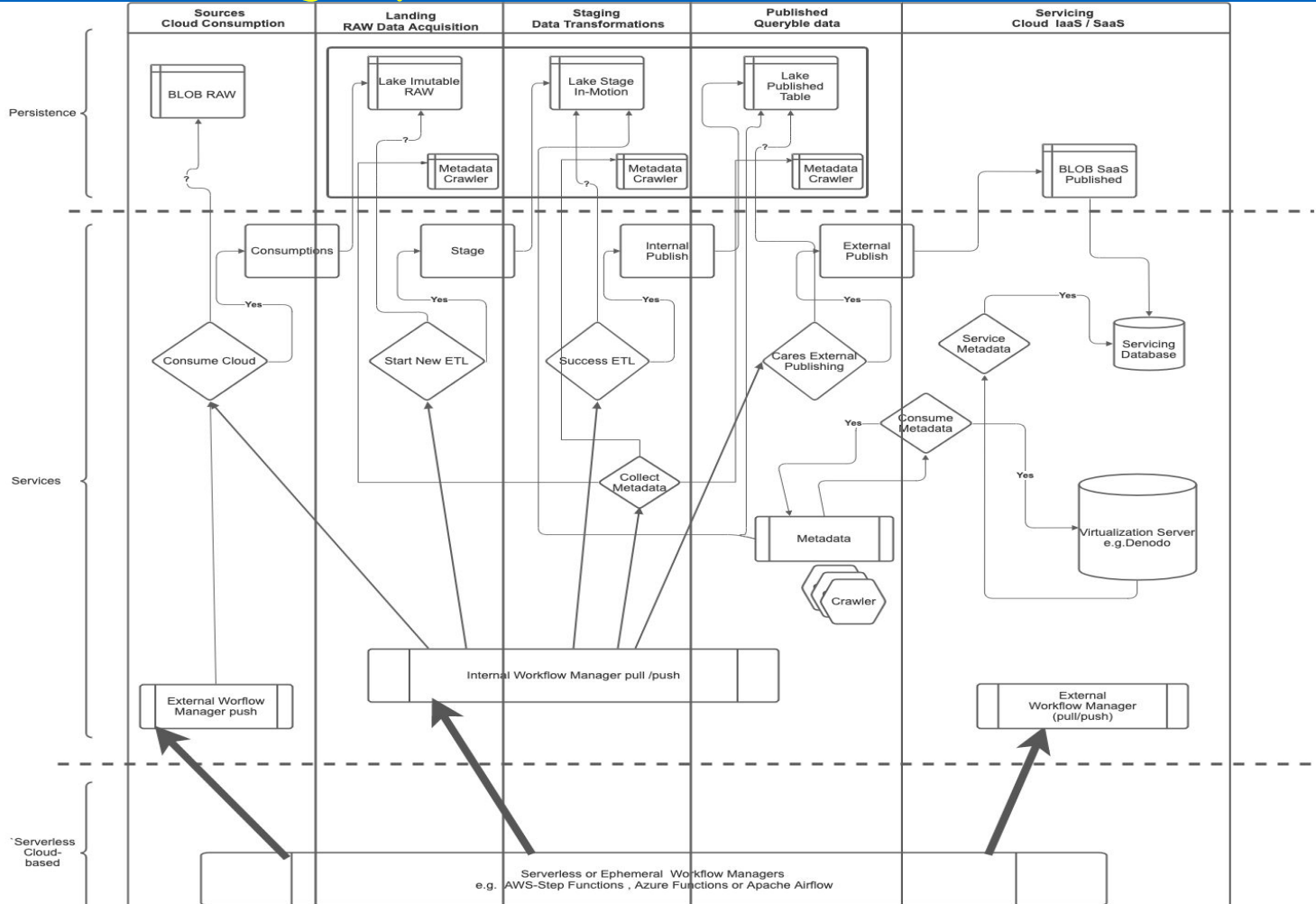
# FAaS - Data Functional Layers



# FAaS - Data Servicing Layers - Gen1 - DataCenter



# FAaaS - Data Serving Layers - Gen2 - Cloud Data Vendor Solutions



# FAaS - Data Consolidation

## - with Workflow managers, Catalogues and Virtualization Services

### Data Consolidation with Advanced Workflow Managers

- Apache Airflow , Apache NiFi , Luigi or other
  - Pro: Bullet-proof integration in Cloud Formation DataOps
  - Con : requires know how in all DML, operational cumbersome

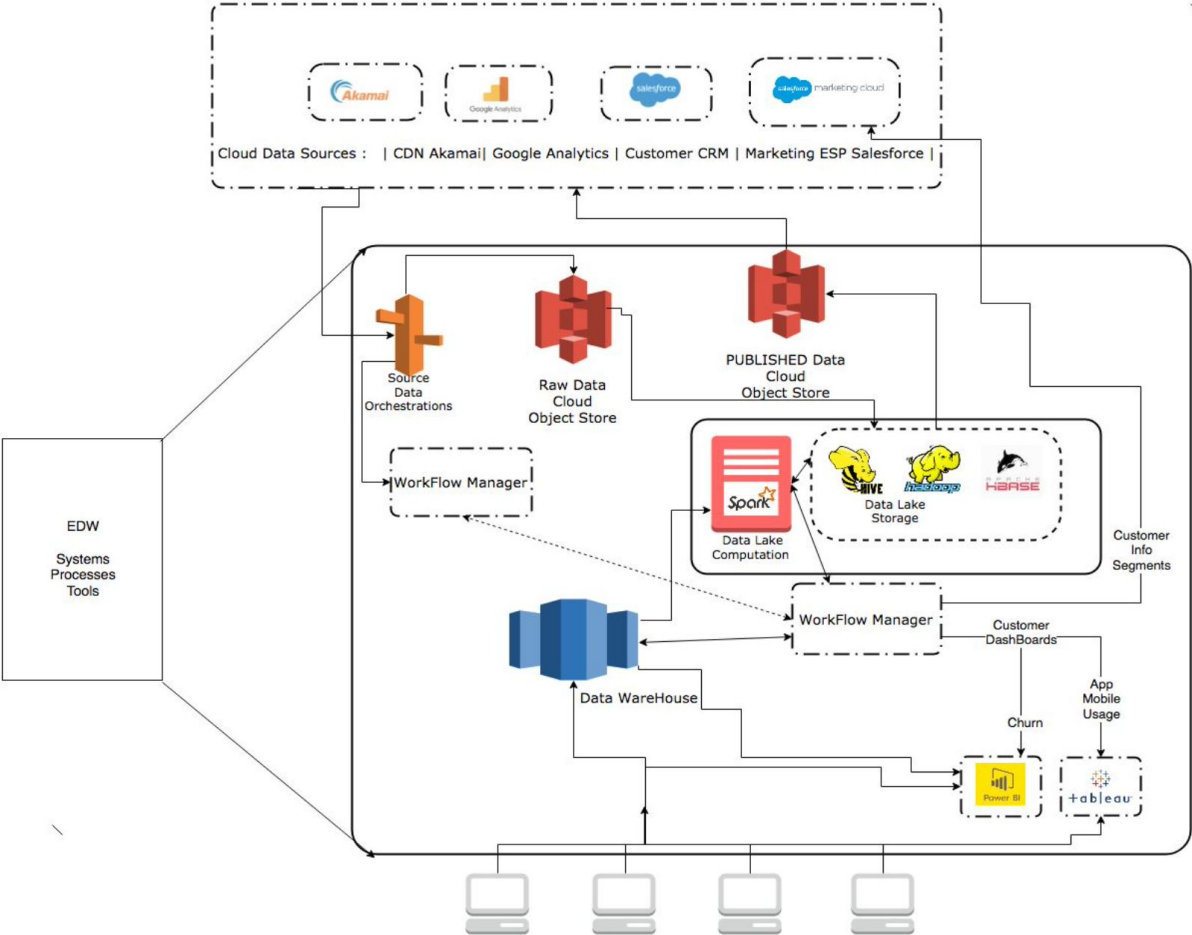
### Data Catalogue and Curation

- Dremio-oss , Allation or others
  - Pro : up-front organization and curation of your data sources
  - Con : can be complex to integrate not all data sources have plugins

### Data Virtualization and Servicing

- Denodo and other cloud vendors
  - Pro : unified servicing layer for metadata
  - Con : potential single-point of failure for servicing if not scaled properly

# FAaS - Data Consolidation - with Workflow managers



# FAaS - Data Consolidation - with Data Management Platforms

## Data Consolidation with Data Management Platforms

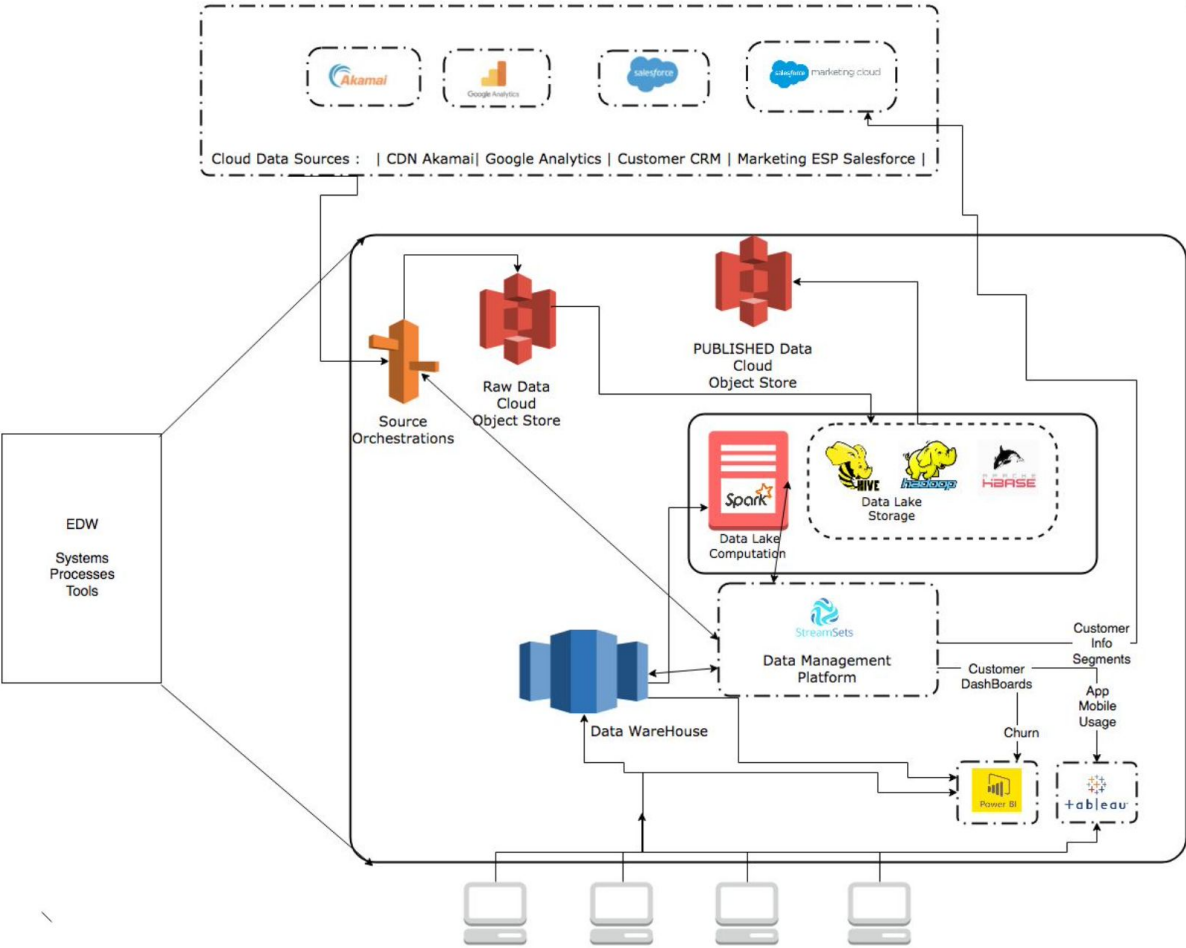
- Streamsets , Talend, SyncSort, Informatica and Others
  - Pro : Agility on delivery from code generation tools included
  - Con : 1 DML fit all use , can limit delivery use cases

## Data Catalogue and Curation

- Dremio-oss , Allation or others
  - Pro : up-front organization and curation of your data sources
  - Con : can be complex to integrate not all data sources have plugins



# FAaS - Data Consolidation - with Data Management Platforms



# Follow our FAaS



Framework-As-a-Service

# Thank You !

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————— About Us —————