

[Orion] - Big Data as a Service

data-driven architecture for microservices & data pipelines. this process allows tighten and seamless integration between applications and data stores for analytics at scale.

Application Ingestion Layer

Kafka Producer API



Enterprise Data Hub [EDH]

Apache Kafka [Strimzi]



Data Store Ingestion Layer

Kafka Connect Source API



Deep Storage

MinIO



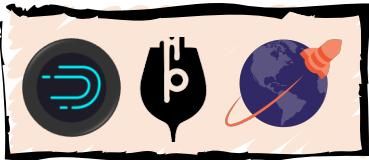
Processing Layer

Spark, Flink, KSQLDB & Faust



OSS Data Serving

Druid, Pinot & YugaByteDB



Cloud Data Serving

Redshift, BigQuery, Synapse Analytics



Integration & Exploration Layer

Trino & Zeppelin



Data Visualization

Metabase, Superset, PowerBi



Continuous Delivery

ArgoCD - GitOps



Orchestration Layer

Airflow



Logging

FileBeat, Elasticsearch & Kibana



Monitoring

Prometheus, Alert Manager & Grafana



Kubernetes

Open-Source Container-Orchestration System

