

A person wearing a red jacket and dark pants stands on a rocky cliff, looking out over the ocean at sunset. The sky is filled with orange and yellow clouds, and the water is dark. The scene is framed by a large red diagonal shape on the left side of the slide.

# Adastra Azure Ingestion Framework

(supports streaming, Maximo, ...  
ingestion use cases)

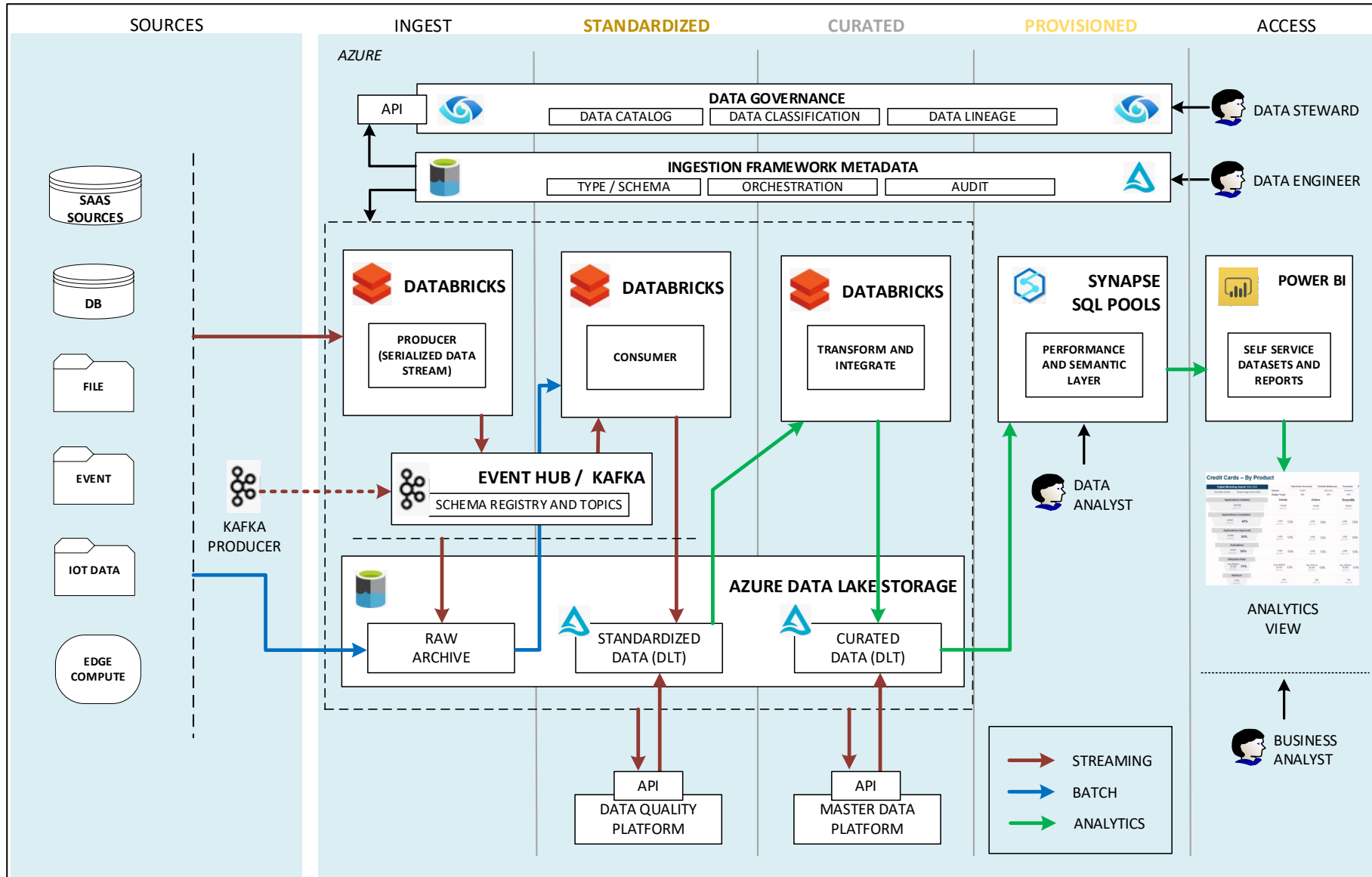


# Adastra Ingestion Framework Benefits

- Enables real time event streaming to cloud
- Metadata driven framework (type, schema, orchestration, ...)
- Covers database, file, api, iot, mq, and streaming use cases
- Leverages PaaS / Serverless Kafka and Spark services in cloud
- Includes auditing and exception handling
- All data is encrypted in transit and encrypted at rest
- Supports field level encryption via metadata framework
- Integrated with Azure AD for identity / access / rights
- Fully integrates with cloud monitoring / governance services
- Enables metadata integration with data governance platforms via REST API
- Deployable to a single VNET as a deployable framework package
- Automatically handles schema drift from a given source

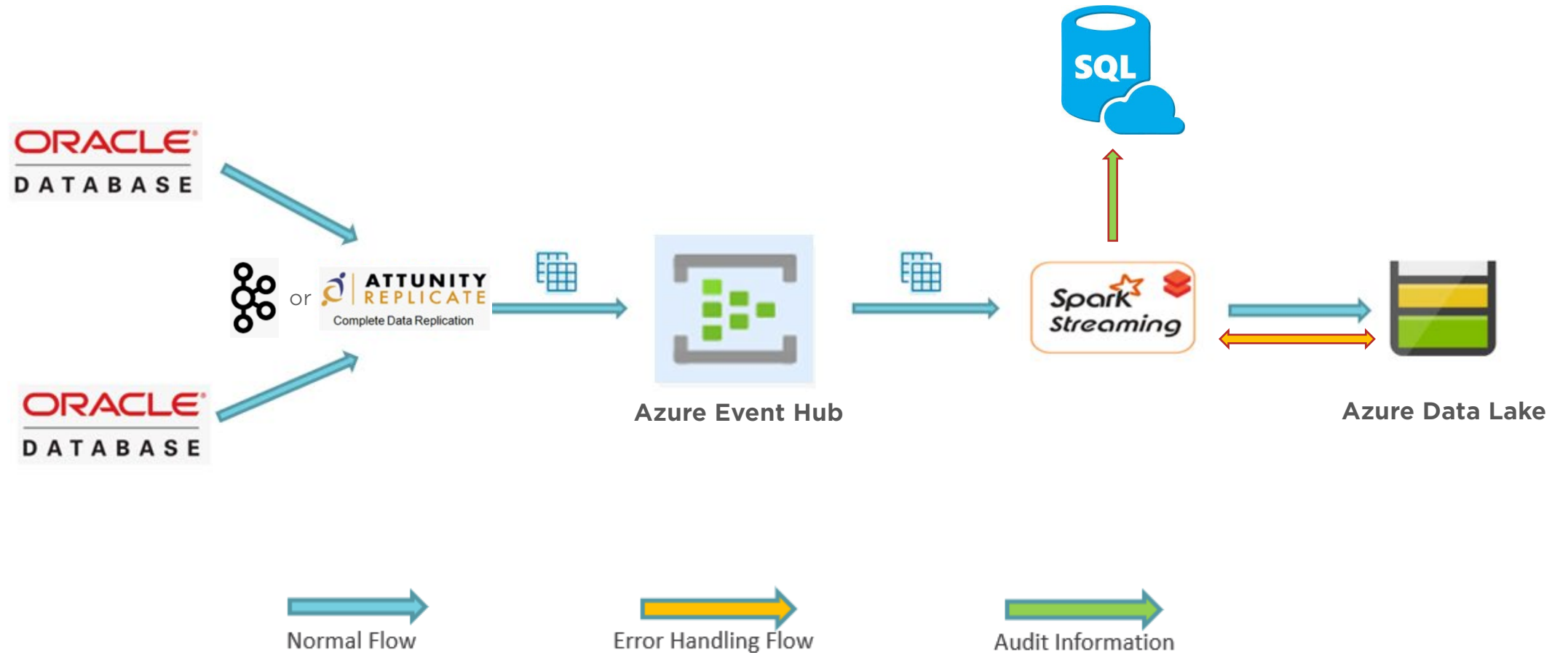


# Ingestion Framework Reference Architecture





# Maximo Oracle Integration Example





# Getting Started /w Azure Ingestion for Maximo

Task	W1	W2	W3	W4
Maximo Ingestion Implementation				

- 1 x Azure Architect
- 1 x Azure Developer

▪ **Cost: \$50k**

**To better analyze work and assets for power generation, transmission, and distribution, energy companies require an analytics platform enabling integrated and curated self service and advanced analytics, through near real time data integration. Through this proposal, Adastra will establish the foundational architecture for Maximo data ingestion to Azure for analytics, will integrate a subset of Maximo datasets, and will build one work / asset report.**

- Perform discovery and finalize scope / success criteria
- Define ingestion framework Azure service / network components for pilot
- Deploy one Azure ingestion framework service environment for pilot
- Establish Maximo to Azure ingestion streaming
  - Integrate data from up to 5 Maximo datasets
  - Cover initial seeding and incremental near real time scenario's
- Integrate streaming publisher (Attunity, Golden Gate, or custom)
- Register Maximo datasets in streaming framework metadata
- Validate seeding and streaming update use cases
- Demonstrate audit and auto recovery capabilities
- Validate results with stakeholders
- Knowledge transfer / training for stakeholders on use and ownership of platform