

Empowering Healthcare's Multi-modal AI Revolution with AWS, Amorphic, ClearData, Redox, & IMO

Streamline your data diversity, integrity and standardization

What We Know?

The growing volume of diverse unstructured healthcare data and a pressing need to derive meaningful insights for enhanced patient care.

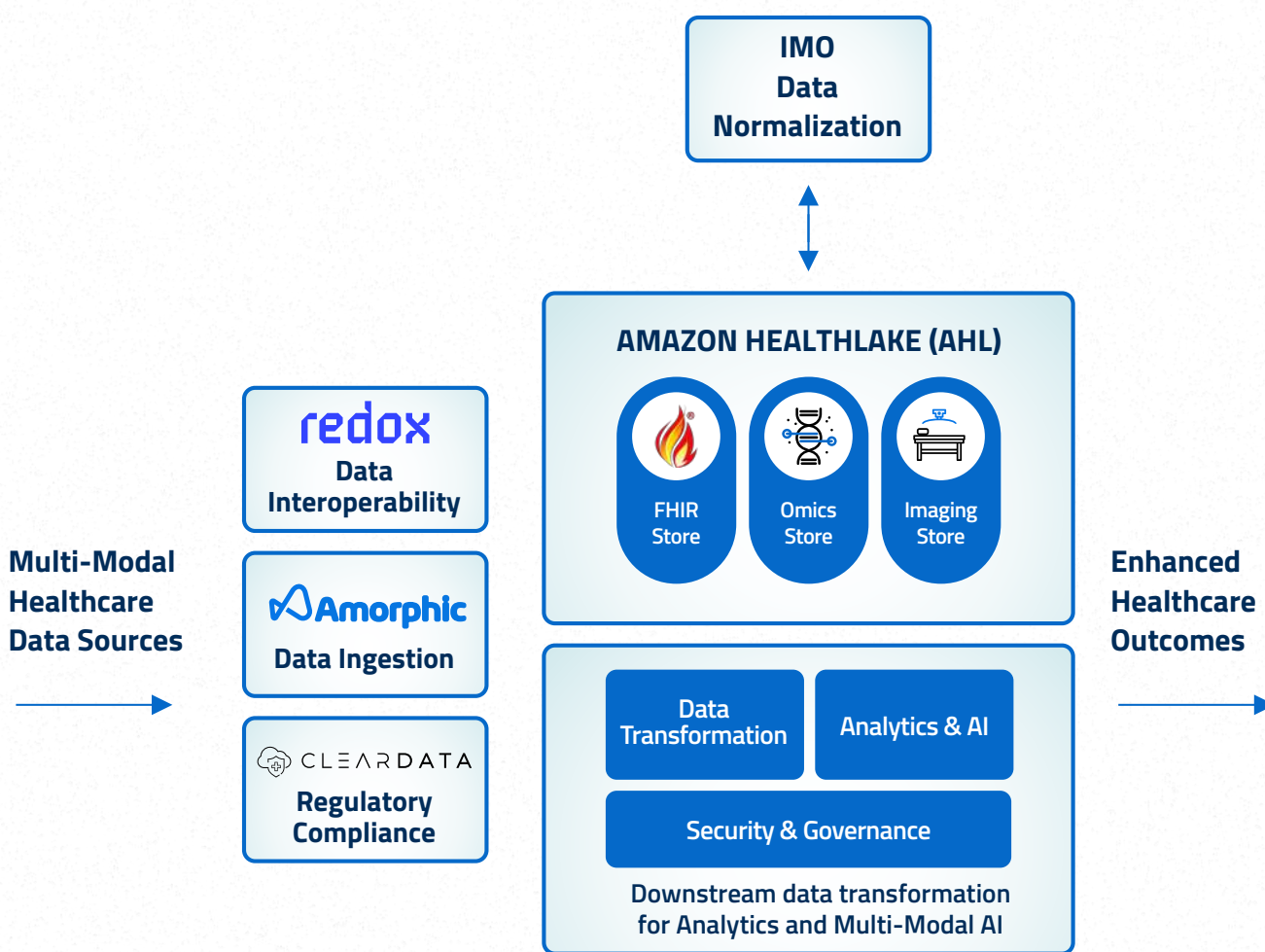
What We Face?

The technical challenge of integrating different data types (EHR, Imaging, Sequencing) while ensuring compliance.

What Lies Ahead?

How can we leverage multimodal data to advance AI-driven diagnostics, personalized medicine, and patient care?

Using Cloudwick's Multi-Modal Healthcare Data & AI Solution on AWS



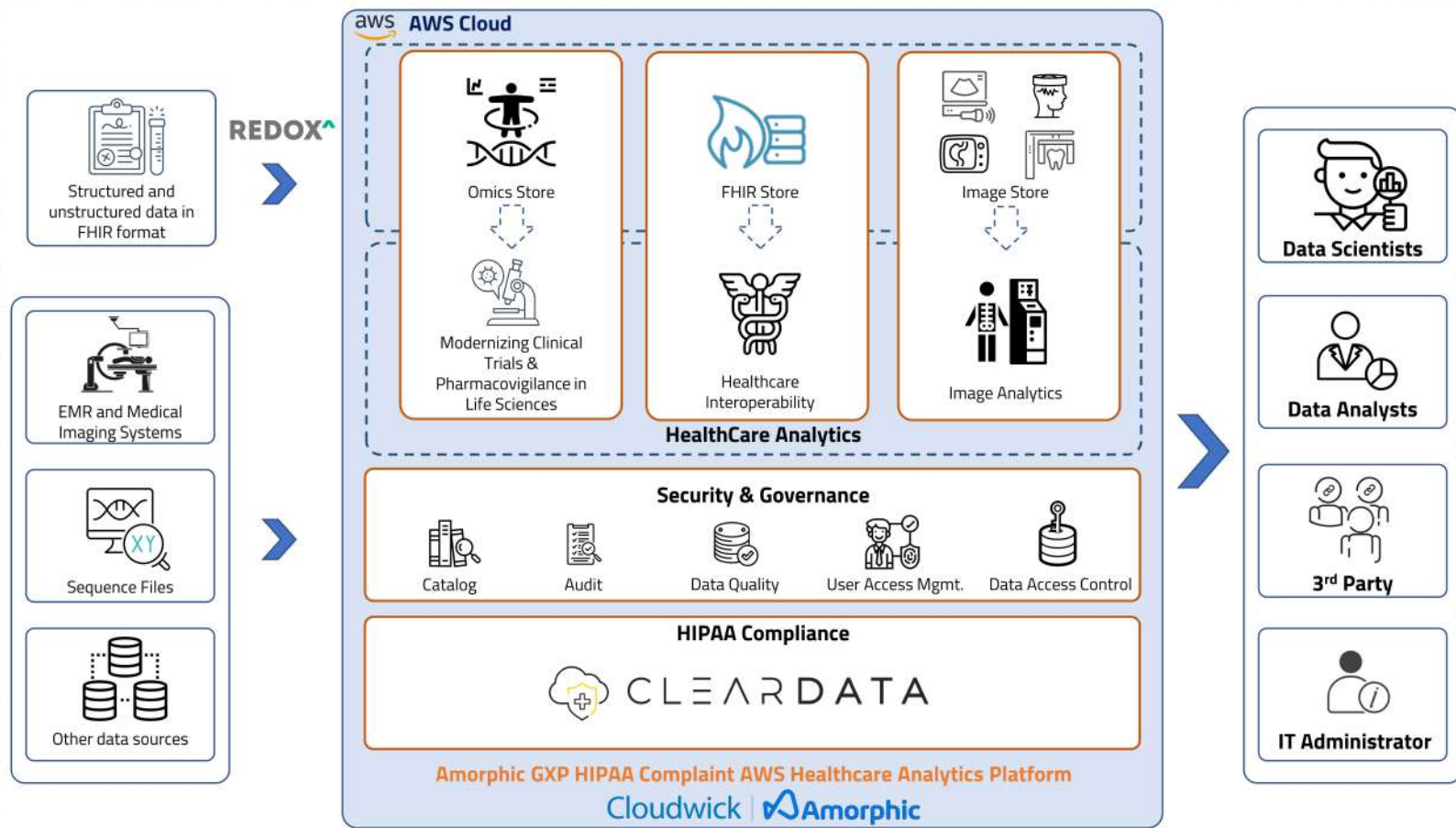
Solution Highlights

- Out-of-the-box Amorphic Data Cloud and Amazon Health Lake (AHL) provisioning
- Continuous compliance of Infrastructure by ClearData
- Diverse EHR & Imaging Data Ingestion into AHL FHIR and Imaging Store from Redox
- Automated Sequencing Data Ingestion into AHL Omics Store
- Data Enrichment and Normalization using IMO
- Downstream Transformation for Analytics & Multi-Modal AI in Amorphic Data Cloud
- Seamless Integration into healthcare processes

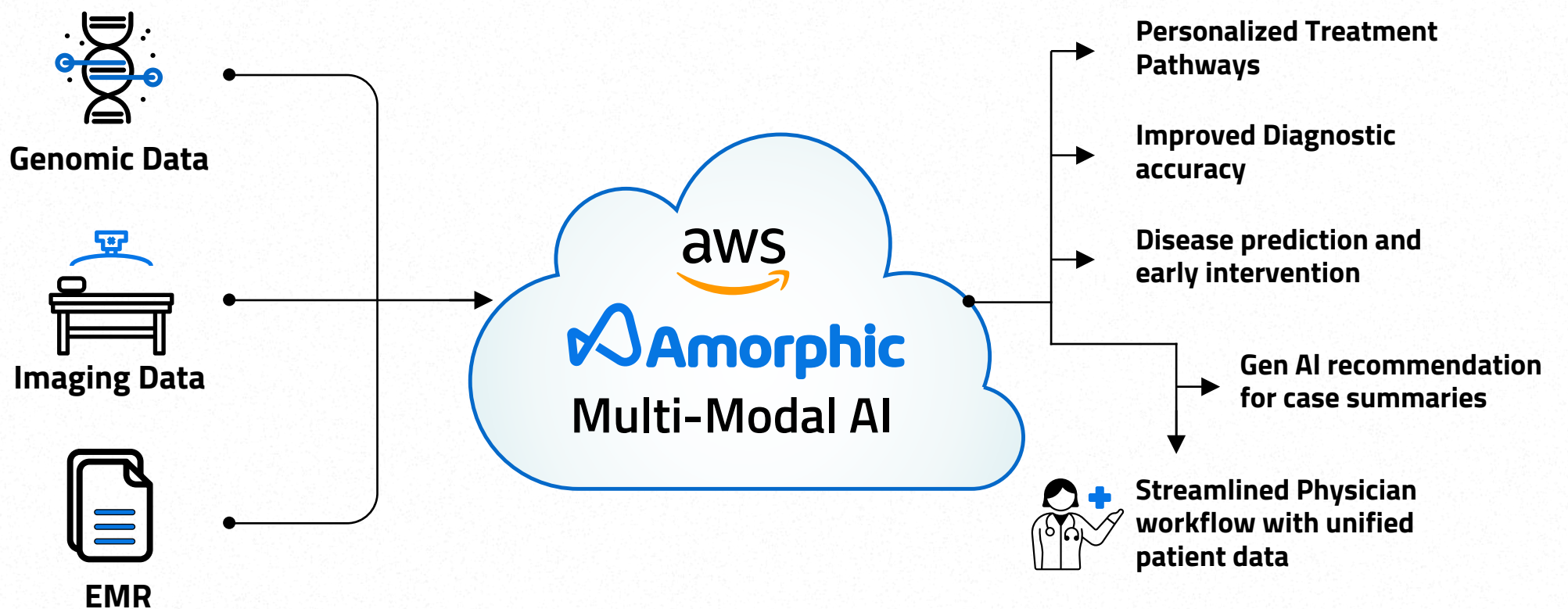
Key Benefits

- **Enhanced Patient Outcomes:** Improved care through better data-driven decisions.
- **Streamlined Operations:** Optimized workflows and reduced manual processes.
- **Scalability:** Accommodate growing data needs without compromising on performance.
- **Data Security & Compliance:** Assured patient data safety and regulatory compliance.
- **Cost Efficiency:** Reduced infrastructure costs and overheads.

Solution Architecture



Multi-Modal AI Use Cases



How do we engage?

At Cloudwick, we take a top down approach to start with identification of current business initiatives that require analytical capabilities with their desired operational/business outcomes. Further, a mapping of key data and analytics use cases that align with the initiatives are shortlisted. A brief flow of engagement is shown below with outcomes at every stage.



Assessment/Workshop

Prioritised list of use-cases



Production

Implementing use cases at scale



Managed Operations

Ongoing operational support for use-cases in production