

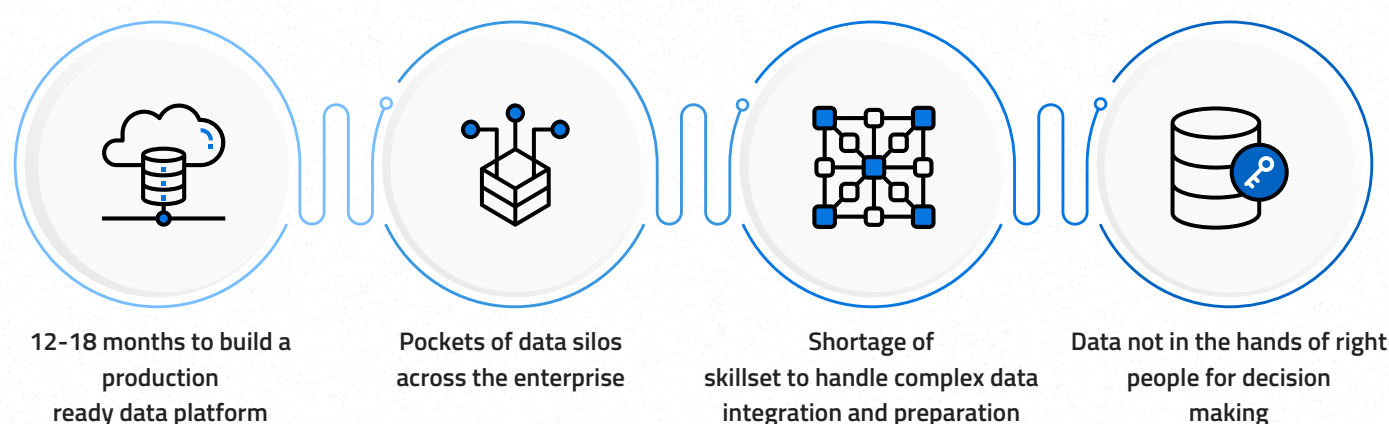
# Amorphic Data Cloud for Life Sciences

## The Situation

Data + AI are pushing the boundaries for drug discovery and development to realise the big promise of precision medicine, i.e., right drug for the right patient at right time. As a result, biotech and pharma companies are striving to become data/AI driven to seize the opportunity of bringing their products faster to the market.

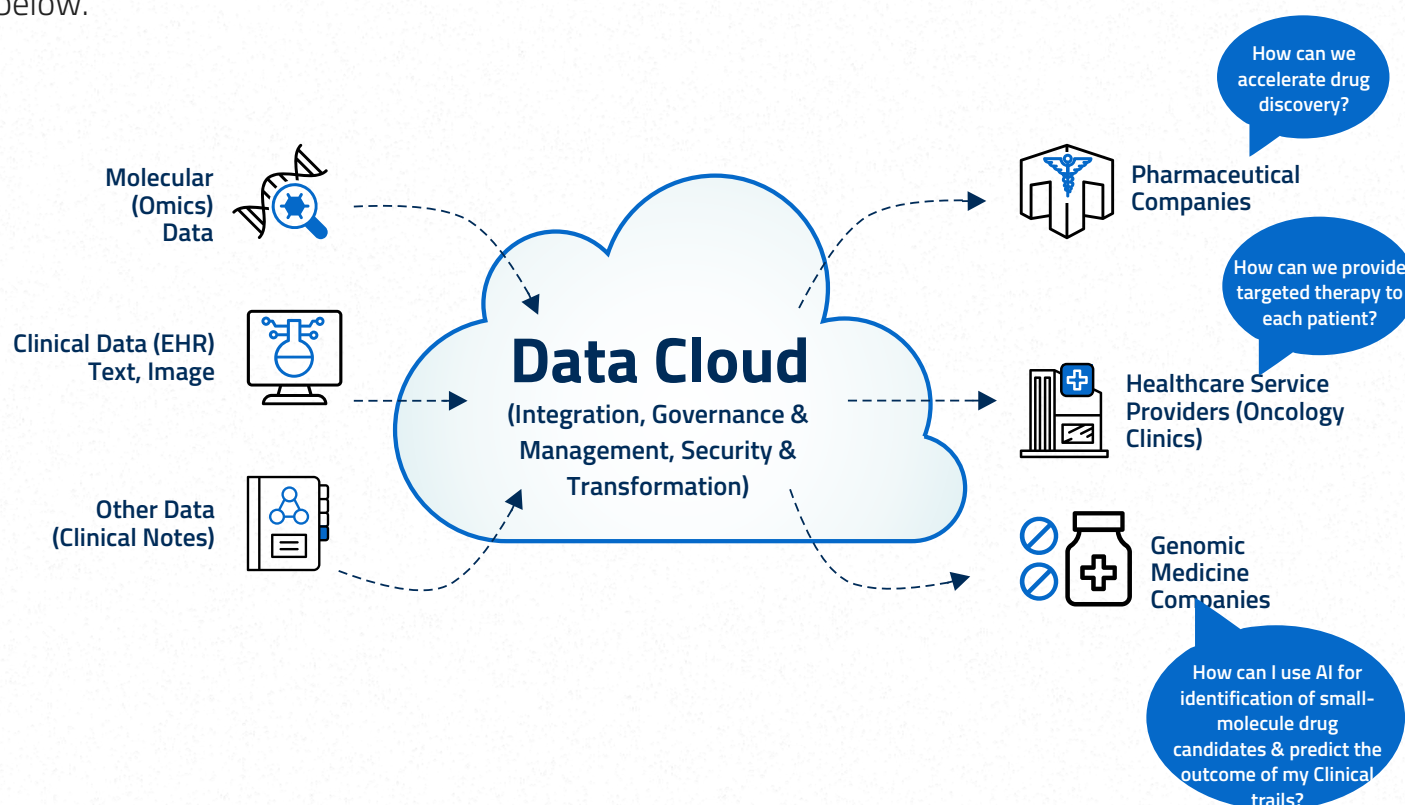
## Challenges

While the race to become data-driven is on, companies struggle with their data supply chains and are unable to jump on the data/AI bandwagon. Some common challenges faced in their journey are highlighted below:



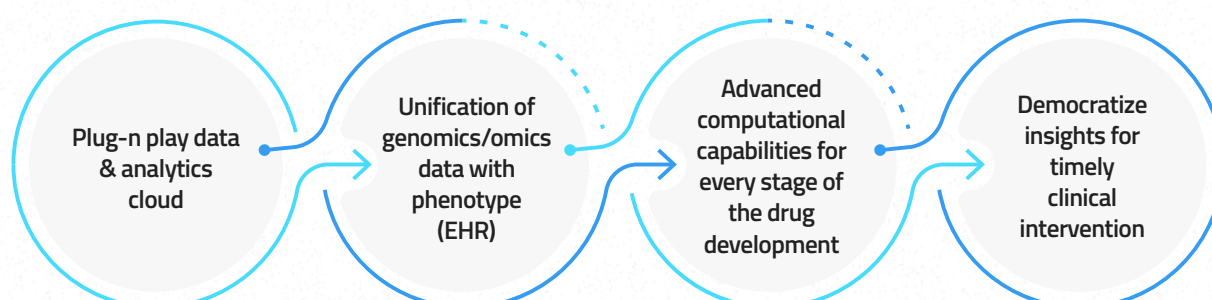
## Opportunities

A Data Cloud enables workflows across healthcare and Life Sciences/genomic applications and opens up opportunities as shown below.



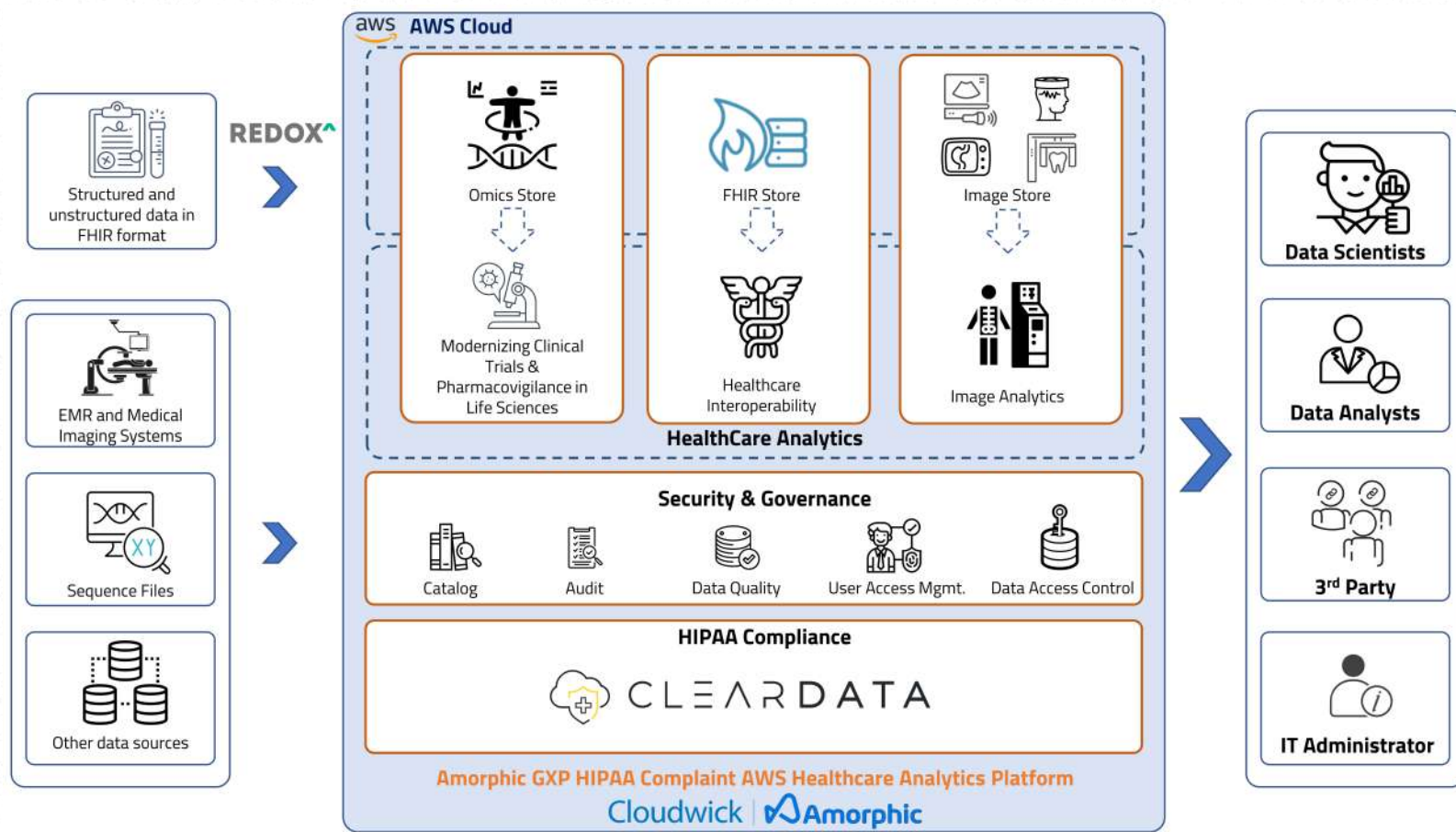
## Speed-to-market enablers

The technology enablers below powered by a data cloud platform provide an opportunity to build a competitive advantage for biotech and pharma companies.





## Solution Architecture

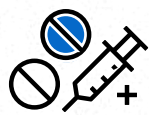


## Data Driven Use Cases



### Understanding the disease

Genomic/Omics data when combined with phenotype data (EHR) allows researchers to understand the disease progression at a molecular level. These insights help personalize the drug therapy to better tackle the disease.



### Accelerated Drug Discovery

Data and AI powered bioinformatics tools help fast track every stage of drug discovery and development starting from finding a new candidate drug molecule to clinical trials.



### Clinical Trials

Using predictive ML to match and recruit the right patients to improve outcomes of clinical trials.



### Precision Therapy

Finding the right therapy for the right patient at the right time using ML based models for 'early diagnosis' and 'response to treatment' prediction.

## Amorphic Impact



### Faster Speed to Market



### Lower Cost to Production



### Optimised Skillset

## 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