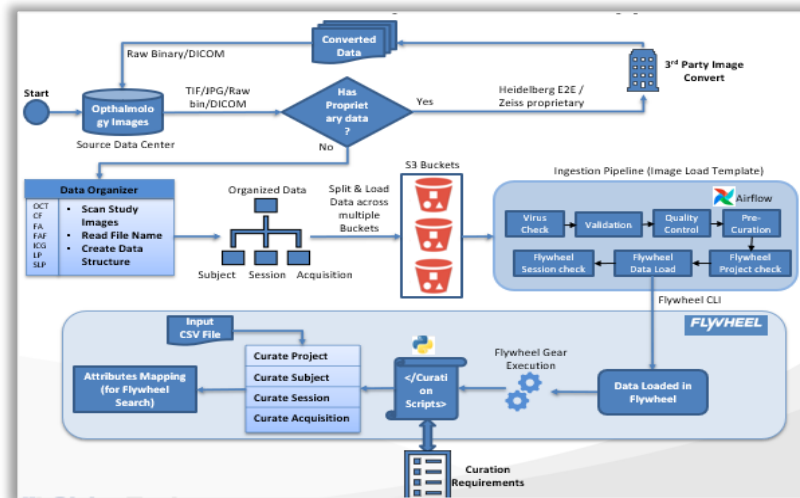


## About Client

The client is a leading biotechnology company that develops and manufactures and medicines to treat patients with serious and life-threatening medical conditions.

## Client Need

The client's Data Science team designed AI and ML models to fight COVID-19, but its effectiveness depends on the availability of trusted and timely data. Massive volume of data from multiple sources made the AI and ML models incomprehensible. A solid foundation of data management was necessary to derive insights.



Workflow Schematic

## CitiusTech Solution

- Fetched data from source to client's landing zone - quarantine s3 bucket
- Performed virus scan and PHI/PII classification
- Transferred data from "quarantine s3 bucket" to "pre-curated s3 bucket" and performed data quality checks
- Transferred data from "pre-curated s3 bucket" to "curated s3 bucket"
- Loaded data from "curated s3 bucket" to AWS Redshift and performed data quality checks
- Updated executive dashboard to show new data
- Updated metadata repository

The COVID-19 patient data was **ingested, processed, mapped, and provisioned** for building the predictive models.