



Case Study

Global Pharma Major's R&D Division
builds Data Marketplace with LTI's
Mosaic Catalog

Business benefits at a glance

100%

coverage of metadata scan
from Azure BLOB storage for
both structured and
unstructured data sources



**Sub-second response
time** in API integration
calls from Collibra and
Mark logic server

>85%

accuracy in serving relevant
search results for both keyword
and faceted search

This is a story of a pharma company that overcame issues of diverse technologies and siloed data. The client, a global leader in pharmaceuticals and clinical trials, conducted various experiments for drug development of diseases related to Oncology & Immunology, in its R&D division. The research generated a lot of data – structured and unstructured – along with documents, which it stored in a Microsoft Azure Data Lake.

The client had implemented Collibra and Mark Logic to capture data taxonomy and metadata to associate all structured and unstructured data. However, these two systems work in silos, making it difficult for R&D scientists to search on data residing on Azure using relevant keywords and find all associated data and documents for easy reference. The company was looking for a solution that could:

- ✔ Offer a search portal which would sit on top of their existing data infrastructure, that would scan metadata from structured and unstructured data residing on Azure BLOB storage.
- ✔ Integrate with Mark Logic and Collibra to pull the data taxonomy and metadata contained by them on the fly, and associate with data from Azure BLOB, and make them searchable.

Using LTI **Mosaic Catalog** on the Azure platform provisioned by the client, LTI created a Data Marketplace of sorts. Some hallmark features of the implemented solution included:

- ✔ **Metadata scan of data from Azure BLOB storage** – created connection to Azure BLOB storage and scanned the metadata of all structured experiment data and unstructured research documents (PDFs / DOCs) residing in the BLOB storage.
- ✔ **Retrieve data from Mark Logic and tag it to other metadata** – created a connection to the Mark Logic server on-premise to scan the corresponding data and associate it with metadata scanned from Azure.
- ✔ **Pull metadata from Collibra on the fly and associate to the other metadata** – Used API calls on the fly, to pull topic-based data taxonomy and metadata stored in Collibra to associate them with data sets scanned from Azure BLOB and make these searchable.

This unique project involves several firsts for LTI. It was the first instance of Mosaic Catalog being installed and configured on the Azure using PaaS architecture. For the first time, LTI's Mosaic Catalog was able to integrate with Collibra using restful API calls, and scan metadata from Azure BLOB and Mark Logic Server.

The Data Marketplace that LTI implemented made things easy for the client's R&D scientists. It increased productivity manifold, helped them avoid duplication of research and experimentation efforts and provided great ROI.

Visit us at www.lti-mosaic.com to know more about our Mosaic products.

LTI (NSE: LTI, BSE: 540005) is a global technology consulting and digital solutions Company helping more than 360 clients succeed in a converging world. With operations in 30 countries, we go the extra mile for our clients and accelerate their digital transformation with LTI's Mosaic platform enabling their mobile, social, analytics, IoT and cloud journeys. Founded in 1997 as a subsidiary of Larsen & Toubro Limited, our unique heritage gives us unrivaled real-world expertise to solve the most complex challenges of enterprises across all industries. Each day, our team of more than 30,000 LTIites enable our clients to improve the effectiveness of their business and technology operations, and deliver value to their customers, employees and shareholders. Find more at www.Lntinfotech.com or follow us at [@LTI_Global](https://twitter.com/LTI_Global)

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