

**CASE STUDY**

# Future-proofing European Asset Management Firm

Drive Success with Our Cost-Effective and Scalable Analytical Platform



## Client

A UK-based asset management firm trusted by clients worldwide in finding future-fit investment opportunities to achieve the desired outcome.

## Business Challenges

- Bring efficiency in Azure Resource Management and process optimization
- Data aggregation and easy access to data
- Gaining scalable and cost-effective data insights

## LTIMindtree Solution

- Designed and architected a cloud-based platform that is cost-effective, scalable, and shareable across teams.
- Data imported from data warehouses (SQL DW), MedM Platform (fund benchmarking software), Factset, Reuters, Google Analytics, and other sources using scheduled data factory pipelines.
- CI/CD setup for script, data factory pipeline, and configuration table deployment.
- Developed key vaults for storing everything confidential effectively. Access Control List (ACL) access was restricted.
- Secured Azure resource's public network. A private endpoint was introduced.
- ARM templates were initially used to facilitate cluster scalability in Azure HDInsight.
- Offered Azure Databricks as a solution for cluster scalability, which outperformed Azure HDInsight in terms of features and performance while costing less and requiring less maintenance.
- Automated cluster scaling via notebooks. Use of service account to control automated deployments.
- Successfully hosted web applications such as labeling apps and red flags apps on Azure container Instance (ACI) and Azure app service.

## Business Benefits

**Increased user base from 5 to 50+ in last year and is consistently increasing.**

**Managed 5 clusters with 65TB of data in data lake compared to 2 clusters with 30TB of data in the previous year.**

**Reduced overall DataLab cost from USD 26K to USD 10K approximately per month by moving to Azure Databricks from Azure HDInsight clusters.**

**Reduced manual text labeling effort for data scientists by designing a text labeling tool and hosting it on Azure container instances.**



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