

Big Data Ingestion Processing Duration Reduced by 70% for a Leading Bank in Eurozone



SITUATION

The client had access to large volumes of structured and unstructured data that they were unable to properly ingest and analyze in order to drive performance improvements and profitability

IMPACT

Data availability/Ingestion processing time was too long. There was insufficient visibility into the end to end ingestion process

RESOLUTION

ITC Infotech identified key business priorities to design and develop a scalable ingestion service platform. The entire program was successfully executed using Distributed Agile

The Client

The client is one of the largest banks in the Eurozone, offering a wide range of financial services including banking, insurance, mortgage finance, asset management, brokerage, real estate and leasing services.



The Need

Big data analytics is swiftly becoming a key innovation driver in the banking industry. There are a variety of areas in which Big Data is enabling banks to perform better.

In order to stay ahead of the curve, the client wanted to leverage Big Data technologies to ingest and analyze structured and unstructured data that would enable better decision making.

They were looking to build a solution that would improve data quality, while cutting down ingestion process time. The goal also was to eliminate non-standardized queries and the need for manual intervention to execute the workflow.

After an intensive analysis of key business priorities, the client wanted to enable "Ingestion As a Service" through an integrated, robust and scalable ingestion platform. The broad goal was to create a common user portal, cater to the analytics needs of business users and accelerate time to market.

The Solution

The solution provided by ITC Infotech offered complete visibility of the end to end ingestion process, via a consolidated system. End to end data availability processing time was reduced from a duration of two to three months to one to two weeks.

The entire program was successfully executed using Distributed Agile. The following technologies and tools were used to drive successful implementation of the project:

- Java/Spring Boot, Hibernate, Maven
- PostgreSQL
- Cloudera Navigator, Neo4j
- Git, Jenkins, Jira, Sonar, OpenShift
- Control-m
- AngularJs, jQuery, Html5, Bootstrap, D3

Business Benefits

- Data availability/ingestion processing duration reduced by 70-80% compared to current processing times
- Time to market decreased significantly
- Data availability service was enabled, which allows data to be available at a required level of performance across a variety of situations
- Optimized reporting facilitated performance improvement
- Data flow visibility and traceability improved

ITC Infotech's IT Solutions Practice For BFSI Industry

ITC Infotech has substantial experience and exposure in the BFSI industry and provides IT services and solutions to various financial institutions worldwide. With more than 50% of BFSI technical consultants certified in the Banking domain, ITC Infotech has a comprehensive client list including, Fortune 500 banking clients, lending companies, insurance companies, securities firms and trading houses across the globe.

Driven by a strong leadership team and a large pool of experienced technology consultants, the BFSI practice offers a wide range of IT services, differentiated through proven industry knowledge and robust delivery management. Powered with the domain expertise of consultants in the areas of retail banking, risk management, capital markets, equity trading and Insurance, we offer domain specific solutions catering to current and emerging business needs of BFSI customers.

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