indium
Make Technology Work

INDIUM HELPS BANK SAVE $500K WITH STRIIM AND AZURE SYNAPSE ANALYTICS

PROJECT OVERVIEW

Indium leveraged Striim for Real-Time Data Integration to migrate data from Oracle & MS SQL On-prem Core Banking System to Azure ADLS and Azure Synapse Analytics, ensuring data concurrency and formatting in the data pipeline. Historic data migration was also accomplished.

SOLUTION DELIVERED

Data Migration, STRIIM

CLIENT DOMAIN

Banking

KEY HIGHLIGHTS

- 50% improvement in data migration process efficiency by leveraging Striim.

- Striim coupled with Azure Synapse Analytics reduced maintenance and technical support costs by nearly USD 500,000.

- Real-time data feed for Power BI reports.

ABOUT CLIENT

The client is one of the fastest-growing private sector banks, offering specialized services across various business verticals, namely: Corporate & Institutional Banking, Commercial Banking, Branch & Business Banking, Retail Assets, Development Banking and Financial Inclusion, Treasury and Financial Markets Operations. With close to 9 million customers, they have a presence with thousands of office locations and branches.

The client required real-time data updates from their core banking systems to a reliable destination database for downstream analytics in order to support their banking services. The data migration process needed to be efficient and scalable to meet future business needs.

BUSINESS CHALLENGE

The existing system consisted of two Core Banking systems: (i) Finacle (Oracle) and (ii) Ganaseva (MS SQL). Approximately 350+ tables needed to be updated in real-time from these Core Banking Systems. Some of the table extracts were in XML format, and it was essential to migrate them as they were and parse them as relational data.

BUSINESS REQUIREMENTS

- Create a data replication pipeline from the existing Core Banking System to the Azure cloud infrastructure.
- Ensure the migration of historic data without any data leakage.
- Maintain a real-time replication pipeline for data concurrency.
- Migrate XML data into both ASIS and RDBMS tables while retaining the format.

INDIUM SOFTWARE'S APPROACH AND IMPLEMENTATION

ndium structured a robust and highly scalable data warehouse ecosystem to address the data storage and processing needs of the client's business.

SOLUTION HIGHLIGHTS

- Leverage Striim to achieve a real-time data replication pipeline between the Core Banking source systems and target Azure Cloud, along with on-the-fly conversion of XML data.
- Set up Azure cloud infrastructure with Data Lake on ADLS and Data Warehouse on Azure Synapse Analytics.
- Implement a process for migrating terabytes of historical data from Oracle & MS SQL Core Banking system to the Cloud.
- Set up a diverse set of metrics and live dashboards for effective data monitoring and ease of use.

BUSINESS IMPACT

- Leveraging Striim for data migration improved the efficiency of the data replication process by over 50%, from the On-prem Core Banking system to Azure cloud.
- The ease of use of the tools and cloud infrastructure reduced maintenance and technical support costs by nearly 80%.
- It helped improve customer responsiveness and operational efficiency.

TECH STACK

ABOUT INDIUM

Indium Software is a fast-growing Digital Engineering company, focused on building modern solutions across Applications, Data, and Gaming for its clients. With deep expertise in next-gen offerings combining data and applications, Indium offers a wide range of services including Product Engineering, Low-Code development, Data Engineering, Ai/ML, Digital Assurance, and end-to-end Gaming services.

indium
Make Technology Work

USA	INDIA	UK	SINGAPORE
Cupertino	Princeton	Chennai	Bengaluru	Mumbai	Hyderabad	London	Singapore
Toll-free: +1-888-207-5969	Toll-free: 1800-123-1191	Ph: +44 1420 300014	Ph: +65 6812 7888

www.indiumsoftware.com

For Sales Inquiries
sales@indiumsoftware.com

For General Inquiries
info@indiumsoftware.com