# Indium helps a global bank save 500k with Striim And Azure Synapse analytics

SUCCESS STORY

# A faster way to serve millions:
# A streamlined journey to real-time analytics

Imagine being a bank with nearly 9 million customers across thousands of locations, all relying on real-time data for everything from retail transactions to complex financial analysis. That's the reality for our client, a leading private sector bank offering a wide range of financial services that was experiencing limitations with their existing data infrastructure. Their core banking systems, Finacle (Oracle) and Ganaseva (MS SQL) contained crucial data spread across 350+ tables that needed to be readily available for downstream analytics to support their diverse banking services. However, the existing system lacked the efficiency and scalability required for real-time data updates and future growth.

The challenge? This wasn't just about moving massive amounts of data. Our client faced several challenges:

**Data silos:** Real-time data updates from their core banking systems were unavailable, hindering critical analytics and decision-making.

**Data latency:** Existing data pipelines were inefficient, leading to delays in accessing crucial information.

**Scalability concerns:** The on-premises infrastructure couldn't keep pace with the bank's growing data volume and future needs.

**XML data management:** Migrating and managing XML data extracts from the core banking systems presented an additional hurdle.

Our client's requirements were clear - Securing the past and enabling the future!

**Real-time data replication:** Establish a robust pipeline to deliver real-time data updates from the core banking systems to the cloud.

**Historic data migration:** Migrate all historical data securely to the cloud platform without any data loss.

**Real-time replication for currency:** Ensure continuous real-time data flow to maintain data consistency.

**Flexible XML handling:** Migrate XML data into the cloud while preserving both its original format (ASIS) and relational database format (RDBMS) for optimal utilization.

# We stepped in to empower the bank with a future-proof solution

We designed a robust and highly scalable data warehouse ecosystem leveraging the power of Azure cloud. Here's how we delivered:

▶ **Real-time Data at Your Fingertips:** We leveraged Striim, a powerful tool that established a real-time data replication pipeline. Our client received constant updates from their core banking systems directly to the Azure cloud. Striim also handled on-the-fly conversion of XML data, ensuring seamless integration.

▶ **Cloud-powered Data Hub:** We set up our client's Azure cloud infrastructure with a two-pronged approach:

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| **Data Lake on ADLS:** This secure, cost-effective storage solution housed the client's historical and real-time data. | **Data Warehouse on Azure Synapse Analytics:** We built a powerful data warehouse on Synapse Analytics to facilitate in-depth analysis and reporting. |

▶ **Seamless Legacy Data Migration:** Indium designed a process to migrate terabytes of historical data residing in the client's Oracle and MS SQL core banking systems to the cloud securely and efficiently.

▶ **Data at a Glance:** We implemented a diverse set of metrics and live dashboards to empower informed decision-making. This gave the client real-time insights into their data health and overall performance, all presented in an easy-to-use format.

# The Impact: Speed, efficiency, and growth

▶ **50% improvement in efficiency Striim for speed:** Leveraging Striim for data migration boosted the efficiency of the process by over 50%. Real-time data flowed seamlessly from the on-premise core banking systems to the Azure cloud.

▶ **80% reduced costs, enhanced efficiency (cost savings of USD 500,000):** The user-friendly nature of the tools and cloud infrastructure significantly reduced maintenance and technical support costs by nearly 80%. This allowed the bank to reallocate resources towards strategic initiatives.

▶ **Empowering customer service and operations:** With real-time data readily available, the bank was able to improve customer responsiveness and streamline operational efficiency. This translated to a more competitive edge and a superior customer experience.

## 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.