

# CASE STUDY

Financial Data Pipelines Streamline The Data Ingestion Process



## FINANCIAL DATA PIPELINES

STREAMLINE THE DATA INGESTION PROCESS

### THE CLIENT

The client is the world's corporate technology leader for restaurants, retailers, and banks, who has shaped the future for 135 years. Headquartered in Atlanta, Georgia, they have over 34,000 employees in 160 locations and solutions in 141 nations. They deliver software, hardware, and services that manage the enterprise from the back office to the front end and everything for its customers.

For its great dedication to the industry, the organization has become the #1 global POS software provider for retail and hotels and the #1 provider of multi-vendor ATM software.

### CHALLENGES

The client wanted to move its data warehouse and data lake to the Microsoft Azure Synapse Cloud. Their main purpose was to **construct Aggregated Financial Data pipelines and extract data sets needed to feed the NCR Sales Compensation system from various data sources.**

To be specific, ICM (NCR Sales Compensation Tool) requires financial data aggregated at particular levels to give compensation to sales agents. The following datasets are in specific need: General Ledger Revenue; Operating Income; Bookings; Total orders; and SSOT (Services Sales Order Transformation).

In terms of technical challenges, the client had some difficulties ingesting data from three different sources and over 100 tables in scope, which negatively affects operational excellence.

***FPT Software has a great privilege to be chosen as a trusted partner to accompany the organization on their Digital Transformation (DX) journey.***



# CASE STUDY

## Financial Data Pipelines Streamline The Data Ingestion Process

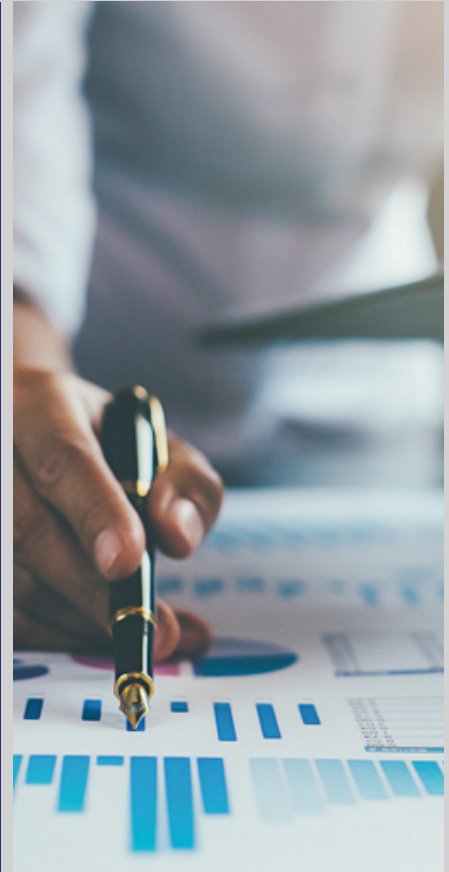
### FPT SOFTWARE'S SOLUTIONS

To streamline the company's data migration process, FPT Software offered to build data pipelines that help ingest data from different data sources on-premises (Oracle) to Azure Data lake and Azure Data warehouse.

First, those pipelines were conceptually located at the center of the Synapse ecosystem. This place aimed to provide a data orchestration and movement mechanism for ingesting data from different sources or storing it in the appropriate storage for computing operations.

Then, our team performed several transformations to create Aggregated Financial data sets ready for analytical use cases and designed data models on the Data Warehouse layer (Star Schema).

Lastly, FPT Software integrated Azure Synapse with ICM (Sales compensation tool) via API.



### RESULTS & IMPACT

Thanks to the aforementioned solution, the client is now able to:

- **Successfully develop a strong base for a complete centrally management system while ensuring security for operational performance.**
- **Design, deploy and leverage the pipelines built on the concept of Reusability and Scalability & meet all defined standards.**
- **Mitigate human efforts in executing software maintenance work on-site.**

Data pipelines exceed their expectations and help reinforce a long-term partnership between the organization and FPT Software.

### DISCLAIMER

FPT Software is a global technology and IT services provider headquartered in Vietnam, with more than USD 600 million in revenue and 22,000 employees in 26 countries. As a pioneer in digital transformation, the company delivers world-class services in Smart factory, Digital platforms, RPA, AI, IoT, Cloud, AR/VR, BPO, and more. It has served 1000+ customers worldwide, a hundred of which are Fortune Global 500 companies in the industries of Automotive, Banking and Finance, Logistics & Transportation, Utilities, and more. For more information, please visit: <https://www.fpt-software.com>.