incedo

Streamlining Data Ingestion and Transformation with Cloud-Based Solution

for a US based Investment and Business Solutions Provider

About the Customer

Customer is a leading retail financial advice provider, faced challenges with its on-premises data ingestion and transformation process, experiencing performance issues due to increasing data volume and latency. To address these challenges, the customer partnered with Incedo to design and develop a real-time data ingestion and transformation platform in the AWS cloud.

- **Customer has been serving advisors and investors for more than 30 years**
- **22k: More than 22,000 financial professionals are part of the customers network**
- **1,100 financial institutions choose the customer as their partner**
- **4.5M and more of customers advisors and institutions serve more than 4.5 million investors across the U.S.**

Key Challenges

Customer s on- premises data ingestion and transformation flow were encountering performance issues due to increasing load time and data lags. The requirement is to design and develop a real-time data ingestion and transformation platform in the AWS cloud.

Business Solution

Incedo implemented a cloud-native data ingestion and transformation pipeline using AWS services, including Kinesis, Glue, and Lambda functions. This solution enabled the customer to seamlessly load data into its data warehouse in real time, significantly reducing data latency and improving overall process efficiency.

By implementing a cloud-based data ingestion and transformation platform, the customer has significantly improved its data management capabilities, enabling real-time data availability, enhanced data security, and improved cost efficiency. This transformation has empowered the customer to better serve its financial advisors and clients, providing them with timely and accurate insights for informed financial decisions.

Key AWS services and tools utilized:

- AWS Kinesis for real-time data stream processing
- AWS streaming Glue jobs
- Aurora PostgreSQL

- Amazon DynamoDB
- Amazon Simple Storage Service (S3)
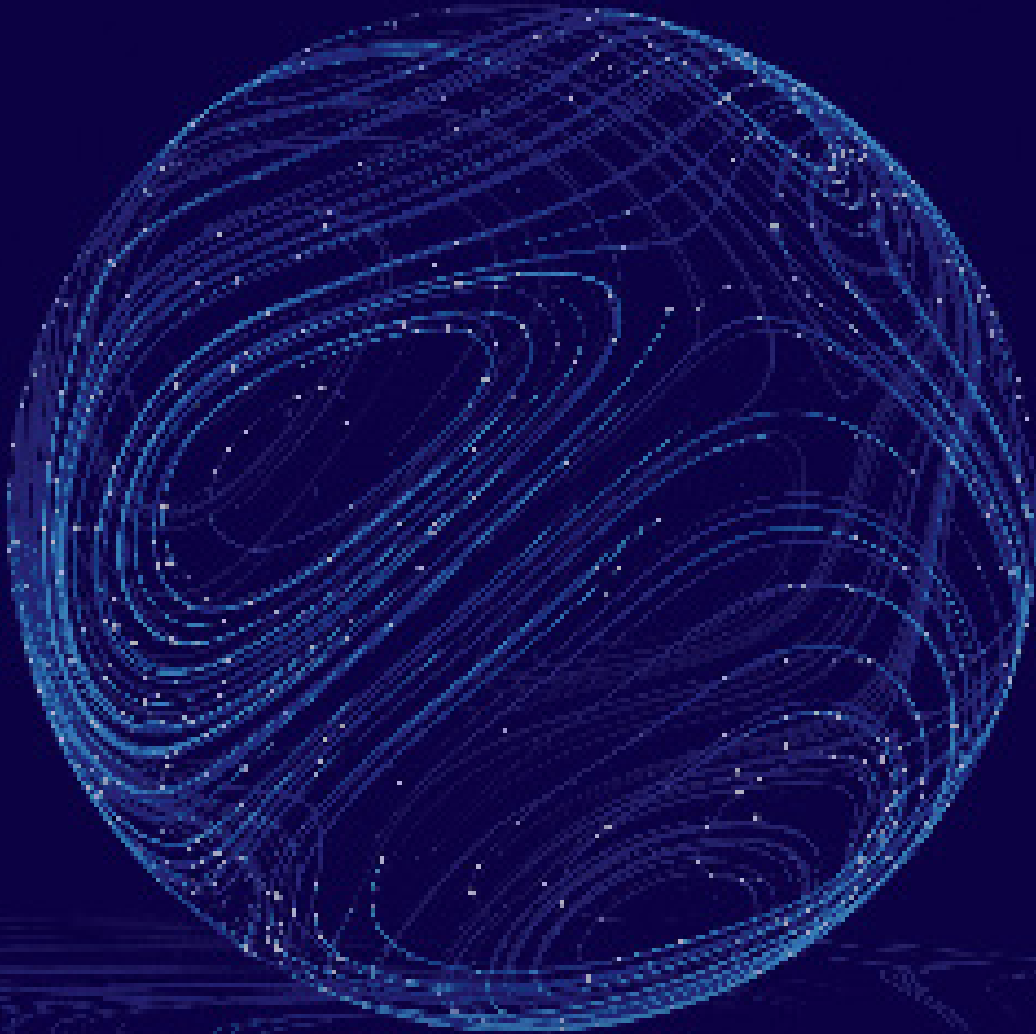- AWS Lambda Functions
- Amazon EventBridge Scheduler

Business Impact

Real-time Data Availability: the customer can now access the latest data for real-time analytics, enabling proactive decision-making.

Enhanced Data Security: The cloud-based solution provides robust data security and access controls, safeguarding sensitive financial information.

Improved Cost Efficiency: By leveraging cloud services, the customer achieved cost savings compared to its on-premises infrastructure.

Transforming Data Processing and Modernizing Rewards Management Application

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About Incedo

Incedo is a digital transformation expert empowering companies to realize sustainable business impact from their digital investments. Our integrated services and platforms that connect strategy and execution, are built on the foundation of Design, AI, Data, and strong engineering capabilities blended with our deep domain expertise from digital natives.

With over 4,000 professionals in the US, Canada, Latin America, and India and a large, diverse portfolio of long term, Fortune 500 and fast-growing clients worldwide, we work across financial services, telecom, product engineering, and life sciences industries.

9+
Fortune 500 Customers

10+
Global Locations

4k+
Employees Globally

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