FEWER ERRORS AND MORE INSIGHTS THROUGH AUTOMATION AND DASHBOARDING

Implementing a data pipeline for a snack food company results in better error tracking and resolution with 80% increased efficiency.

Client Background

The client is a large American snack food company which produces a wide variety of potato chips, pretzels, and other snacks, primarily selling most of its products across the eastern United States. The client collected a large amount of data from its Direct to Store Delivery (DSD) process. This data flowed through several ETL processes to finally populate the enterprise data warehouse. Along the way, errors or data loading failures led to missed invoice data.

The client was finding this challenging as it required manual intervention. They wanted to implement a solution that could rapidly locate such errors and identify their sources with minimal time, manual effort and take timely remediation actions.

Xoriant Solution | Key Contributions

Xoriant, given a deep experience in data pipeline and data lineage, was chosen to design and implement a solution to meet the client's needs. Our key contributions include the following:

- Leverage the Microsoft Azure Synapse Pipeline to deploy Xoriant's timer-triggered solution for tracking the invoices at each workflow stage.
- Connect the hybrid solution to both on-premise and cloud systems of the client's workflow to compare the differences and errors regarding information sources. The solution gathers, records, and reports details about any errors or unexpected behavior.

KEY BENEFITS

- Improved issue tracking efficiency by ~80 percent with the help of the solution.
- Minimized the number of missing invoices with improved tracking and quick resolutions and addressed the client's main requirement.
- Achieved efficient sales audit management.
- Delivered a holistic, up-to-date map of the data landscape with data discovery, data classification, and data lineage.

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- Integrate the solution into the client's pager duty ticketing system to ensure real-time issue reporting to stakeholders.
- Display historical analysis of the tracking summary using insightful and interactive Power BI reports.

Client Testimonial

" *Xoriant's deep engineering expertise in data pipeline and data lineage increased the efficiency of error tracking and resolution by 80%, helping us manage sales audits more smoothly.* "

Technology Stack

Microsoft Azure Synapse | Microsoft Azure Synapse Pipelines | Microsoft Power BI | Microsoft Azure Function App (C#) | Microsoft Dynamics 365 | Data Warehouse