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A LEADING GERMAN LOGISTICS COMPANY SLASHES REPORTING TIME FROM 2 DAYS TO 15 MINUTES WITH AHANA'S DATA ANALYTICS SOLUTION

The development of last-mile tracking and monitoring systems marks a pivotal leap for logistics firms, endowing them with real-time supply chain insights. This transformative system identifies process inefficiencies, meticulously tracks goods from warehouse to destination, and sharpens delivery timelines. Propelled by cutting-edge technologies like IoT sensors, GPS tracking, and cloud-based analytics, it offers a granular view of shipment status and location throughout the supply chain.

This results in amplified customer satisfaction, heightened inventory visibility, and enhanced accountability across the entire logistics spectrum. Investing in this system positions logistics firms as trailblazers, poised to deliver unparalleled customer service.

Client Profile

Our client is an American-founded German logistics giant, manages courier, package delivery, and express mail services, delivering over 1.8 billion parcels annually. As a prominent market leader in Europe, they hold a pivotal role in the logistics industry.

Challenges

The challenge was to craft a last-mile connectivity tracking and monitoring system capable of providing near-real-time supply chain and distribution insights.

Ahana's Solution

We engineered a cost-effective solution that empowered a logistics company to conduct strategic analyses with newfound efficiency. Leveraging an AWS analytics environment, we facilitated process scalability and deeper insights for the client.

Our Approach

Configuring the AWS Analytics Ecosystem
- Our meticulous configuration of the AWS analytics environment encompassed the installation and setup of Redshift, S3, and Glue.
- This comprehensive setup laid the foundation for the client to harness Tableau for generating invaluable insights post-migration of data from PostgreSQL via DMS.

Scaling Data Analysis
- Redshift, a cloud data warehousing solution, served as the cornerstone, delivering scalability, top-tier performance, and cost-effectiveness.
- It was the ideal choice for large-scale data analysis, elevating the client's analytical capabilities.

Safe and Durable Data Storage
- S3, renowned for secure and durable object storage, ensured the integrity and safety of input datasets and output results.
- It served as a reliable tool of data throughout the analytics process.

Streamlining Data Integration
- Glue, a fully managed ETL service, streamlined the intricate data preparation and loading process into Redshift.
- This seamless integration of data from diverse sources assured data consistency and operational efficiency.

A Dedicated Team for Excellence

Our dedicated team, comprising an AWS Solution Architect, two Data Engineers, two BI Developers, and a Business Analyst/Project Manager, took charge of this project.
Their collaborative efforts culminated in the successful implementation of a solution poised to drive informed decision-making through sophisticated data analysis.

The Impact

The successful resolution of the client's database challenge, spanning five global locations, yielded substantial benefits:

1. Drastic Cost Reduction
Maintenance and monitoring costs were significantly slashed by **80%**, ensuring a leaner operational budget.

2. Accelerated Reporting and Visualization
Reporting and visualization times were streamlined from **2 days** to a mere **15 minutes**, enhancing real-time insights.

3. Swift Setup and Data Refresh
A rapid setup process, accomplished in just **2-3 business days**, enabled clients to enjoy data refresh rates as high as **15 minutes**, boosting overall operational efficiency.

4. Enhanced Data Utilization
The newfound efficiency translated into improved cross-border data utilization, streamlining processes and amplifying Return on Investment (RoI).

Conclusion

Our relentless pursuit of operational excellence continues to empower our clients, revolutionizing the logistics landscape. As a dedicated partner, we remain committed to delivering exceptional value and look forward to a future enriched with innovation, efficiency, and superior customer service.

About Ahana Systems and Solutions

Ahana Systems & Solutions is a leading IT Infrastructure Management Services and Digital Transformation company based in Bengaluru, India. Our expertise extends to a wide range of solutions, including Cloud, RPA, DB & EDW, BI & Analytics, and Application Development. Our 100+ roster of clients relies on us for our deep domain expertise, skilled resource base, and proven partnership with the best technology providers.

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