infoVia

EQUIPMENT RENTAL COMPANY CASE STUDY

An Equipment Rental Industry Leader Transforms Legacy Challenges into Future Success

COMPANY OVERVIEW

A leading player in the equipment rental industry, this company boasts a vast and diverse inventory catering to the ever-evolving needs of businesses. Renowned for its commitment to quality and reliability, it stands as a go-to resource for construction, industrial, and commercial projects. With a customer-centric approach and an expansive network, this industry stalwart continues to redefine excellence in equipment rental, empowering businesses to thrive with the right tools for the job.

BACKGROUND

The company found itself tethered to a legacy platform that was not only expensive but also complex and burdensome to maintain. The intricate nature of the system, coupled with high maintenance costs, posed significant challenges to the company's operational efficiency and financial sustainability.

CHALLENGES

- Migrate away from the cumbersome Teradata legacy platform and the complexities of intricate data structures and massive amounts of data.
- Understanding of existing data relationships and dependencies ensuring a seamless transfer without compromising data integrity by converting from Teradata SQL to Snowflake SQL.
- Extracting and transforming this data requires mapping and validation to ensure data accuracy.
- Change data scripts to ensure they are both semantically the same to get the same outputs.
- Transition to a more agile, cost-effective, and streamlined infrastructure on Snowflake that could adapt to the evolving needs of the business.

WHY INFOVIA

The company sought a partner who could provide not only technical proficiency but also a deep understanding of its industry dynamics. infoVia emerged as the natural choice for orchestrating the Snowflake migration to break free from the shackles of an expensive and intricate legacy platform.

infoVia differentiated itself in these other key areas:

- **Experience:** Renowned for its expertise in navigating complex data transitions, infoVia stood out as a trusted partner capable of seamlessly moving massive amounts of data swiftly and efficiently.

- **Data Integrity:** infoVia's commitment to data integrity and proficiency in handling large-scale data transfers provided the confidence needed to execute this critical transition with minimal disruption and optimal speed.

- **Automation Enabled Speed to Market:** infoVia's cutting-edge processing and optimization techniques, along with the utilization of best-in-class automation tools for modeling and data quality validation, ensure swift and efficient migration of large data sets enabling organizations to quickly leverage and utilize their data in the new environment.

INFOVIA'S SUCCESS IN DATA MIGRATION PROJECTS WAS MARKED BY A PROACTIVE PARTNERSHIP WITH INTERNAL TEAMS, UTILIZING ADVANCED AUTOMATED TESTING PROTOCOLS TO ENSURE SYNTACTIC AND SEMANTIC CONSISTENCY ACROSS OVER 1,000 OBJECTS IN THE MIGRATION TO SNOWFLAKE. THEIR COMMITMENT EXTENDED TO IDENTIFYING DISCREPANCIES, EMPOWERING TEAMS THROUGH CODE TRAINING, AND IMPLEMENTING OPTIMIZED PROCESSES FOR EFFICIENT DATA MIGRATION.

RESULTS

InfoVia's success in data migration projects involved a proactive approach and partnership with the organization's internal teams to identify and catch discrepancies as well as leveraging advanced automated testing protocols.

Results included:

- **Syntactic and Semantic Consistency:** The migration project benefitted from infoVia's commitment to maintaining both syntactic and semantic consistency across the datasets. The migration involved well over 1,000 objects that required absolute functional parity. This comprehensive approach contributed to a seamless integration into the new Snowflake environment.

- **Identifying and Catching Discrepancies:** The collaborative efforts with InfoVia involved a proactive approach to identify and catch discrepancies during the migration process. Their keen attention to detail ensured a thorough examination of data integrity.

- **Automated Testing Protocols:** Leveraging advanced automated testing protocols, infoVia implemented a robust testing framework that systematically validated data accuracy and system functionality. This approach significantly reduced the margin of error and enhanced overall project efficiency.

- **Team Empowerment through Code Training:** infoVia took a proactive stance in empowering internal teams by providing comprehensive training in coding practices relevant to the new Snowflake environment. This not only facilitated a smoother transition but also equipped teams with the skills to contribute effectively to ongoing efforts.

- **Data Migration Optimization:** infoVia developed several highly optimized processes to reduce the timeframe for migrating large amounts of data between environments from several days to just a few hours.