

Customer Case Study

Element Fleet Management: tcVISION Real-time, Bi-directional Synchronization Between IBM Mainframe Datacom and PostgreSQL



As a leading global fleet management company, Element provides a comprehensive range of fleet services that span the total fleet lifecycle, helping customers optimize their strategies at every stage – from acquisition and financing to program management and vehicle remarketing.

These services, together with exceptional tools, technologies and consulting, empower customers to realize extraordinary results.

ABOUT TREEHOUSE SOFTWARE

Treehouse Software is a B.O.S. partner, offering the most comprehensive and flexible portfolio of solutions available anywhere for integration, replication, and migration of data between mainframe sources and any target, application or platform; and virtually any mainframe application modernization project. Using ETL, CDC and SQL/XML technologies, we connect your enterprise—from anything to anything. We offer software and services that enable mainframe customers to leverage their investments in legacy systems—employing virtually any data source—with data integration, cloud services, data warehousing, modernization and conversion, Service-Oriented Architectures, and other new technologies.

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BUSINESS BACKGROUND

Element Fleet Management has over one million vehicles under management, and serves more than 2,800 customers. The company employs over 2,700 staff members across 12 offices. Transaction sizes range from \$500,000 to \$40 million. 50 countries are served through the Element-Arval Global Alliance.

Top industries served by Element Fleet Management are agriculture, business services, chemical, construction, consumer products, education and non-profit, energy, food and beverage, insurance, manufacturing, pharmaceutical and healthcare, professional services, telecommunications, transportation, and utilities.

BUSINESS ISSUE

Much of Element's mission critical mainframe data is stored in a legacy IBM mainframe database. The cost to maintain these legacy databases is high and they lack the features required for modernizing the data architecture. The data is utilized

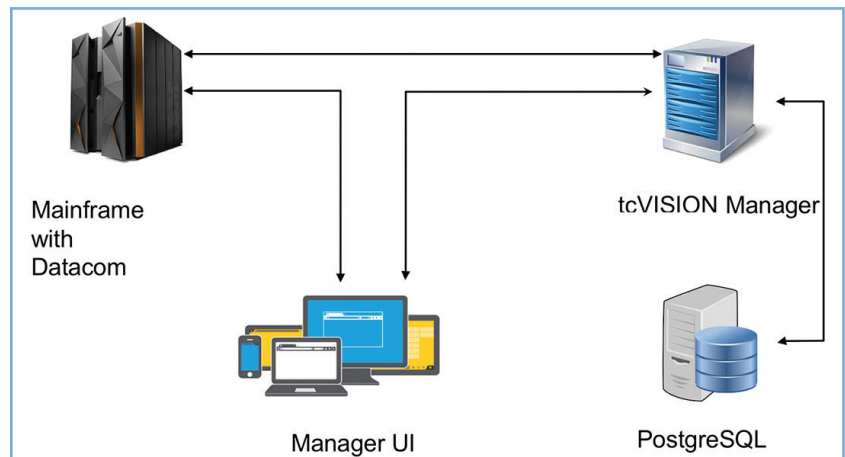
by an extensive number of interlinked programs dependent on this legacy data. Element required a solution that would allow the legacy environment to continue while having real time replicated data on a modern database/platform. This enables them to utilize modern programming and data tools to be competitive in their market.

TECHNOLOGY SOLUTION

Treehouse software and the customer developed a phased plan to prove out and implement tcVISION. This started with a proof-of-concept to prove out the technology's effectiveness and technical suitability. This was proceeded by architectural phase to define the

architectural solution including, configuration management, environments and promotion, high availability, security, disaster recovery, monitoring, operations procedures, script customization, data replication mapping and training plans. After defining the architecture, the production deployment phase started with incremental sprint-like deployments. Additional files were deployed into production every few weeks.

This project enabled the tcVISION product to synchronize mission critical financial IBM mainframe Datacom data to a modern PostgreSQL database. Bi-directional, real-time data synchronization enables changes on either platform to be reflected on the other platform



(e.g., a change to a PostgreSQL table is reflected on mainframe Datacom). This allows their business to modernize the application on PostgreSQL without disrupting the existing critical work on the legacy system. Additionally, modern tools are used in the PostgreSQL environment, greatly enhancing business agility.

Successful, real-time mainframe data replication to an open systems application allows web and mobile access and updates. Element indicated their satisfaction with the results and the solution, especially reduced mainframe MIPS costs, and enhanced business ability to respond to business environment changes.

