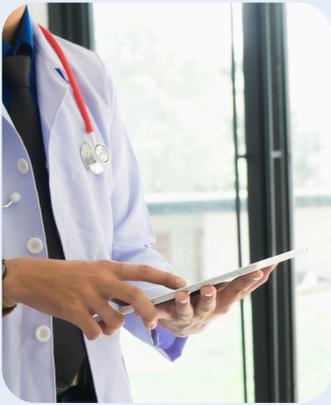


# Leading Health Plan Achieves Major Cost Savings Through Complex Claims System Retirement with Solix Technologies



## Executive Summary

A Fortune 20 managed healthcare company serving millions of members across the United States partnered with Solix Technologies to retire two major legacy mainframe claims processing systems. This complex modernization initiative involved managing over 212 terabytes of data across multiple mainframe data sources and formats, while ensuring seamless access for 800+ end users. The completion of the archival process, while preserving data access and complying with data retention requirements, enabled the complete shutdown of two mainframes resulting in millions in annual cost savings while improving data accessibility for business users.

## Industry Context

The healthcare payer industry continues to face mounting pressure to modernize aging technology infrastructure while managing escalating costs and complex regulatory requirements. Legacy mainframe applications, often decades old, present significant operational challenges including high maintenance costs, limited scalability, and difficulties integrating with modern cloud-based applications. For major health plans processing millions of claims annually, modernizing these critical systems without disrupting operations requires specialized expertise and proven methodologies.

Often these organizations grow via mergers and acquisitions. Redundant applications need to be consolidated into a single system of record. However, the data in the system no longer needed simply cannot be deleted - it needs to be intelligently retired over time.



## Business Challenges

This healthcare organization faced several critical challenges with their legacy claims processing infrastructure:



### Duplicate Claims processing systems

Two major Claims systems, core to business growth resided on different mainframes acquired through acquisitions.



### Aging Mainframe Dependency

Two major claims processing systems running on expensive mainframe infrastructure represented significant ongoing operational costs and technical debt.



### Complex Data Architecture

The two Claims systems contain data across diverse formats including DB2 Z/OS, Oracle, IMS, IDMS, VSAM, QSAM, PDS, PDS/E, tapes, and Generation Data Groups (GDG), requiring specialized handling for data migration.



### Multi-Format Data Complexity

Legacy structured content included multi-layout files including complex array structures. In addition, hundreds of thousands of tapes stored data that needed to be preserved and accessible.



### Business Continuity Requirements

With 800+ end users dependent on historical claims data for regulatory compliance, auditing, and business operations, any solution needed to maintain seamless data access.

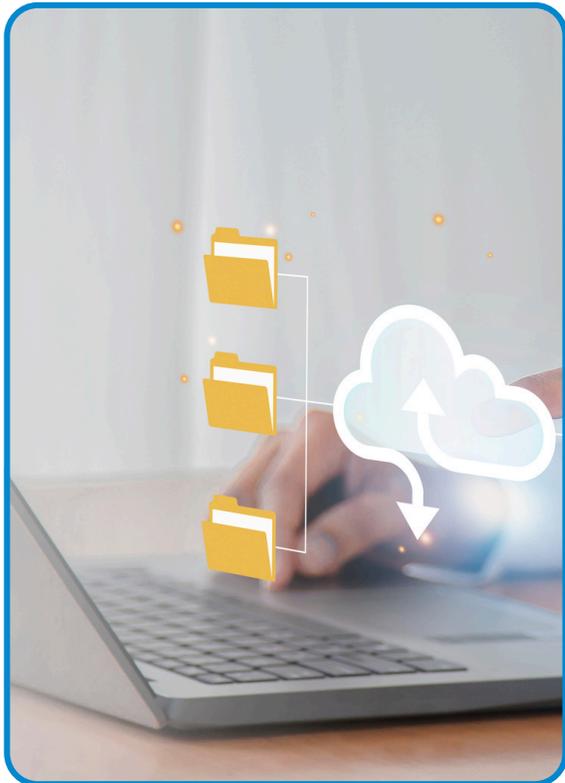


### Regulatory Compliance

As a healthcare payer, the organization needed to ensure all data handling met HIPAA requirements and other healthcare-specific regulations.

## Solution Implementation

After evaluating multiple vendors, the health plan selected Solix Technologies for their proven expertise in Enterprise Archiving including extended experience archiving mainframe data:



### Comprehensive Data Assessment

Solix conducted detailed analysis of both claims systems, mapping data relationships across 19.3+ trillion rows of structured data and identifying optimal migration strategies.



### Multi-Workstream Execution

The project utilized 6-10 parallel workstreams to manage the complexity and accelerate delivery timelines while maintaining quality standards.



### Advanced Data Transformation

The Solix team implemented sophisticated data transformation processes to handle EBCDIC to ASCII conversion, multi-layout file processing, and preservation of data integrity across diverse mainframe formats.



### User-Centric Interface Design

The solution provided improved data access capabilities, making historical claims information even more accessible than the original mainframe applications.



### Phased Implementation Approach

The project was executed in multiple phases, allowing for validation and testing while minimizing business disruption.

## Results and Benefits

The healthcare organization achieved remarkable results through their partnership with Solix Technologies:



### Operational Excellence

- **Ahead of Schedule Delivery:** Phase two was completed four weeks earlier than planned, demonstrating superior project management and execution.
- **Zero Business Disruption:** All 800+ end users maintained seamless access to historical claims data throughout the transition.



### Financial Impact

- **Millions in Annual Savings:** Complete shutdown of two mainframes eliminated substantial infrastructure, licensing, and maintenance costs.
- **Improved ROI Timeline:** Early project completion accelerated the realization of cost savings.



### Technical Achievements

- **Massive Data Volume Management:** Successfully migrated and archived 212+ TB of data, including 25+ TB of structured data spanning 19.3+ trillion rows.
- **Enhanced Data Accessibility:** Business users now report that accessing historical claims data is easier than with the original mainframe applications.



### User Satisfaction

- Business stakeholders praised the improved user experience, noting enhanced data accessibility compared to legacy systems.
- Project leadership recognized the proactive approach and quality of delivery execution.

## Strategic Partnership Expansion

The success of the claims system retirement project established Solix Technologies as a trusted strategic partner:



### Expanded Engagement

The healthcare organization is currently engaged with Solix as the approved Enterprise Archiving solution to archive 4 to 6 new systems in the upcoming months.



### New Systems

Solix CDP is currently in the UAT testing phase for active archiving of a Revenue and Budget system and associated down stream systems



### Continued Claims Modernization

Solix is now leading the retirement of additional major claims processing systems.



### Strategic Advisory Role

The proven success has positioned Solix as a go-to advisor for complex mainframe modernization initiatives.

The partnership demonstrates how healthcare payers can successfully modernize complex legacy infrastructure while maintaining regulatory compliance and improving business outcomes. Through careful planning, expert execution, and user-focused design, the organization transformed a major operational challenge into a competitive advantage.

*This case study demonstrates Solix Technologies' proven capability to manage large-scale, complex data retirement projects in highly regulated industries, delivering measurable business value while exceeding customer expectations.*