



THE NEW DATA MANDATE FOR THE MAINFRAME

The IBM Z platform remains the bedrock of global commerce, powering over 70% of worldwide transactions by value. Its legendary security and resilience are indispensable. Yet, to meet today's demands for business agility, cost reduction, and cloud integration, a strategic evolution is required: Replatforming. The challenge is bridging the robust past with the flexible, scalable future without compromising stability. This is where the methodology matters most.

THE MAINFRAME PROBLEM: WHY 70% OF MODERNIZATION FAILS

Traditional mainframe modernization efforts begin by focusing on application code conversion and new infrastructure rollout. This application-first approach treats the system's most critical component—the data—as a high-risk afterthought.

This strategy is fundamentally flawed:

High Project Failure Rate: Seventy percent of modernization projects stall or fail when they neglect the data layer.

The Data Obstacle: Mainframe data, locked in complex legacy formats like EBCDIC, VSAM, and IMS, is the system's lifeblood and its greatest technical hurdle.

Manual Migration Risk: Relying on manual data migration is time-consuming and prone to human error, introducing variables that balloon budgets and derail timelines.



THE DATA-FIRST SOLUTION: ALCHEMIZE'S AUTOMATED ADVANTAGE

Maxis Technology, through its proprietary data management platform, **Alchemize**, inverts the risk model by championing a **Data-First Replatforming** approach. By solving the data problem flawlessly, we guarantee project success before millions are spent on application conversion.

Alchemize is the complete, automated data manager that acts as a secure, intelligent bridge from your IBM Z system to any modern platform. It systematically automates complex data and migration activities, delivering predictable outcomes.

ALCHEMIZE IN THREE STEPS:

Phase	Description	Key Capabilities
1. Connect & Replicate	Securely establish connectivity to your z/OS environment and begin data replication with zero impact on production performance.	Real-time replication of mainframe DB2 for z/OS data.
2. Transform & Validate	Data is automatically converted from EBCDIC to ASCII and reconciled against the source.	Automated conversion of VSAM, IMS, and sequential flat files. Continuous validation ensuring 100% data integrity.
3. Cutover with Confidence	With a live, validated copy of your mission-critical data already running on the target platform, the final application cutover is de-risked.	Predictable, low-risk go-live event. Achievable replatforming in as little as 4 weeks.

THE MAXIS TECHNOLOGY DIFFERENCE: PREDICTABLE OUTCOMES AND ROI

Working with Maxis Technology means moving beyond outdated methodologies and leveraging a no-code, automated platform designed for complexity. Our Data-First approach delivers measurable value across the organization:

Mitigate Risk: Alchemize's built-in automation and validation eliminate the human error inherent in manual migration, maintaining data integrity throughout the process.

Accelerate Timelines: By removing complex manual tasks, we reduce project cost and time by up to 80% compared to traditional approaches.

Ensure Fidelity: Alchemize handles all data transformations—from packed decimals to COBOL copybook layouts—to create structured, usable data in modern formats.

Guaranteed Repeatability: The Replatforming Wizard tool ensures a turnkey approach that delivers repeatable and predictable outcomes for every system and database size.

