



Reduce COBOL Cost

Leading Global Bank addresses increasing mainframe costs without impacting daily activities or disrupting their business.

Background

A unit of a Top 50 global bank wanted to reduce mainframe COBOL application costs without disrupting operations. The COBOL applications involved delivery of mission-critical services to the bank's customers. Our team needed to guarantee uptime, produce functional equivalent results, and minimize performance impacts.

Customer Challenges

The best way to reduce mainframe consumption costs was to leverage the bank's existing zIIP processor capabilities. The bank also needed to ensure that the application processing on the zIIP would produce the precisely the same results as before. Any variation would have been unacceptable.

GFT, the digital transformation experts and trusted advisors to the bank, recognized that CloudFrame Relocate™ could deliver the COBOL application cost savings sought by the bank.

Solution

GFT and CloudFrame used their consolidated methodology that draws on GFT's mainframe expertise in financial services transformation and CloudFrame's COBOL application modernization experience to implement a solution to shift COBOL compute.

Partnering for Success

- **GFT & CloudFrame Accelerate Customer Success**
- **Reduced Execution Costs**
- **Low Risk and No Disruption**
- **Functional Equivalence**





The CloudFrame Relocate solution involves the transformation of batch jobs and their related COBOL programs, which access DB2, VSAM, and flat files and utilize specialized tools like an IBM Advanced Function Presentation (AFP) API.

Rigorous testing and analysis of the outputs from both a technical and business perspective was performed. Consumption of resources both before and after the transformation was also measured and analyzed.

Issues and underlying patterns were identified iteratively and enabled the team to find and resolve problems quickly.

The Results

GFT and CloudFrame utilized CloudFrame Relocate to create zIIP-eligible Java that allowed COBOL compute to be shifted to the zIIP. The project team verified functional equivalence, demonstrating that cross-compiled Java produces the exact same results as the legacy COBOL. The bank's development teams were not impacted and could continue maintaining their COBOL programs, testing, and promoting as usual in their SDLC. This project achieved a 69% cost saving – significantly exceeding expectations.

What's Next

The bank is now positioned to use the savings of this project to fund additional application modernization projects using the GFT and CloudFrame self-funding modernization approach.

While the results outlined above are specific to this bank, other clients are also engaging GFT and CloudFrame to achieve similar benefits. The GFT and CloudFrame offering provides an automated conversion approach, making the shift from COBOL to Java fast and safe and enabling a self-funded modernization journey.

GFT ■

GFT has extensive experience with large-enterprise mission-critical application and system modernization projects, making them a powerful partner to help deliver COBOL application transformation success.

About CloudFrame

CloudFrame provides a pathway to digital transformation for large organizations running mission-critical applications on COBOL. With a range of products, CloudFrame gives their customers automated, incremental, low-risk, and low-cost ways to transform their vital applications into fully maintainable, vendor-independent, cloud-native Java.

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