CleverIS™ Customer Success:
CDLRio Re-Platforms, Modernizes User Interface with High Performance Gains

CleverIS legacy app modernization saves 60% on Mainframe TCO

Executive Summary

CDLRio was founded in 1955 with the primary goal to build services for credit protection and strengthening trade for the State of Rio de Janeiro, Brazil.

CDLRio is one of the most influential Brazilian retail entities, offering a diversified portfolio of innovative solutions and insightful services for increased security in credit analysis and business management. CDLRio offers to its customers' access to the most powerful business information database in the country.

Today, with nationwide representation, due to a partnership with Boa Vista SPC, CDLRio offers a database with more than 11 billion credit occurrences. Thousands of retail agent representatives nationwide access credit history data, generating over 9 million transactions daily for assistance providing credit achievements in Brazil.

Challenges

CDLRio green screen access to critical data was starting to impact company growth due to connectivity dependencies, poor productivity and effectivity. Critical data was delivered through a 3270 terminal emulator, with an archaic user interface. Transaction processing was also becoming a bottle neck, impacting performance and how users were accessing data.

The Mainframe Environment

The CDLRio mainframe platform included the following technologies:

- ✓ IBM Mainframe 390 – MVS
- ✓ 3,000 COBOL CICS
- ✓ **2,500** Batch programs
- ✓ 1,200 DB2 tables + 1,600 VSAM file
- ✓ 3000 JCL

How CleverIS Helped

CleverIS partnered with CDLRio to migrate all applications, utilities, data and 3rd party solutions with the goal to completely retire the IBM Mainframe platform. What made this modernization project unique was the need to offer a new user interface to its end users, for a more effective interaction with existing applications. CDLRio also needed an environment that was stable, reliable and would offer performance capabilities for the millions of transactions being executed. As a solution for the user interface, CleverIS transformed the current CICS COBOL applications into a 3 tier modern architecture. Business rules were automatically extracted, and a WebSphere server was created to manage the new interface developed in Java – replacing the existing CICS interface. As a platform to replace the retired IBM mainframe platform, the IBM Power System I platform was

selected due to its reliability, scalability and ability to handle high transaction volumes.

Results and Future Plans

The CDLRio modernization project was a success, offering users the ability to access CDLRio's applications from anywhere through a web browser, while enjoying better performance and a more up to date and friendly user interface. The modernization project was executed in 8 months (5 months to re-platform and 3 months for UI modernization) through the adoption of CleverIS automated modernization and migration solutions, reducing project costs, mitigating risk and increasing quality.

Main Benefits

- ✓ 60% cost reduction
- ✓ ROI in 12 months
- ✓ Faster time to market
- ✓ New Java interface and the ability to access CDLRio's applications from anywhere
- ✓ Scalable and reliable platform
- ✓ Performance scalability
- ✓ Simpler environment to manage

The Target Environment

CDLRio modernization solution is composed of the following technologies:

- ✓ Platform: IBM Power System I
- ✓ Language: COBOL/400 and REXX/400
- ✓ Interface: Java (WebSphere web server)
- ✓ Database: DB2i
- ✓ Report Management: CleverIS RMT
- ✓ JCL: CL/400