

Reducing Cost and Improving IT Efficiency with Mainframe Rehosting

A history of innovation

Founded in 1925, The Clearing Corporation (TCC), www.clearingcorp.com, was the first independent clearinghouse for futures markets in the United States. Today, TCC provides clearing services for global exchange and over-the-counter (OTC) traded derivatives.

As the first clearinghouse to automate its processing and clearing systems, TCC has been a leading innovator in the use of technology in clearing process. However, the evolution of technology has created challenges in managing business-critical legacy applications. Rewriting and re-implementing software is expensive and time consuming for the company and its customers. At the same time, maintaining legacy systems in their original environment is cumbersome and inefficient, hindering implementation of new functionalities and applications. In 2005, TCC began a strategic initiative to replatform its legacy systems to improve existing functionalities in a manageable and cost effective manner.

Rehosting provides safe path forward

The OTIS and MIS systems play key roles in trade entry, inquiry, out-trade and reporting functionality for TCC's exchange customers. The systems also contain valuable business logic that TCC needed to preserve to support its exchange-traded futures business. It was imperative that TCC's customer operations not be disrupted during the system transition. After researching alternatives, TCC decided to shift its IDMS database into Oracle and to rehost its IDMS systems to a new distributed environment leveraging UniKix™ mainframe rehosting technology from Clarity.

UniKix technology allowed TCC to avoid costly and disruptive reprogramming, and facilitated the transition of 28 applications from IDMS to an Oracle database. IDMS elements were mapped into Oracle; UniKix™ Transaction Processing Environment (TPE) and UniKix™ Batch Processing Environment (BPE) software were used for the migration of IBM® CICS® transactions and batch workloads to the open environment.

Other elements of the mainframe rehosting solution included:

- 555 non-IDMS COBOL batch programs
- 300 IDMS/COBOL batch programs
- 489 ADSO programs



Highlights:

- Reduced annual licensing and operational costs
- Payback period achieved in under one year
- Improved data access and integration
- Rehosted environment more responsive to new market requirements
- No retraining of end users required

Enhanced productivity and open door to the future

With careful planning and organization, TCC successfully completed its migration and cutover production on a highly-available, distributed platform.

Disruption to customers was minimal. Some were required to deploy a new emulator to access the OTIS and MIS applications after the rehost. However, once the new terminal emulator was installed and an end user signed into the system, the process of navigating through the applications remained largely unchanged. End users did not require retraining.

As a result of this transition, TCC was also able to offer a new Web Report Distribution (WRD) system that enhanced end user access. Firm users now had greater flexibility to access, print and save reports in a variety of formats, and users could now quickly email reports as an attachment in those same formats.

Leveraging UniKix software and open systems greatly reduced TCC's annual licensing, maintenance and operating costs. Moving forward, TCC is well positioned to continue enhancing its applications and integrating with new IT deployments.

About Clerity

Clerity is a leading full-service provider of legacy migration, modernization, and optimization solutions. Drawing from over 16 years of experience, Clerity recognizes that companies have significant investments in core applications and procedures and provides a wealth of low risk, high value tools, technology, and services to reduce IT costs without sacrificing current functionality and service level agreements. Headquartered in Chicago, Illinois with offices worldwide, Clerity has customers in all in major countries, including some of the largest financial services ISVs and Fortune-class end users.

Learn how Clerity can provide an evolutionary path forward for your application and data environments at www.clerity.com.



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