



## Caisse Nationale de Sécurité Sociale Improves Flexibility and Performance While Lowering Costs

*"Thanks to the compatibility of UniKix rehosting technology with mainframe CICS and batch environments, we were able to complete the migration of CNSS in just 6 months."*

*- Mr. Walid Jaballah, Technical Team Director, TMI*

### Highlights:

- Reduced annual IT expenditures by \$100,000 per month while maintaining enterprise applications
- Gained control over previously outsourced IT environment
- Enabled quick response to changing client needs
- Reduced batch processing time by 30%
- Improved IT integration across platforms

### Growing user base and service offerings drive need for change

Caisse Nationale de Sécurité Sociale (CNSS), otherwise known as the Tunisian National Social Security System, provides family benefits, social security, pension funds, loans and additional aid to insured parties. As of year end 2005, over 1.7 million active social security contributors were managed by CNSS. In addition, CNSS manages services provided under bilateral social security agreements signed with twelve other countries.

Looking to lower annual operational costs and gain the flexibility of an efficient, open systems platform, CNSS decided to investigate alternatives to move its key mainframe applications to an open systems environment.

After reviewing several alternatives, including rewriting applications, CNSS decided rehosting was the best choice to replace its legacy environment. Selecting UniKix™ rehosting technology from Clerity, migration and project management services from Tunisie Micro Informatique (TMI) and UNIX® servers, CNSS prepared to migrate its existing applications.

### Tunisie Micro Informatique performs a complete migration

Prior to the rehost implementation, CNSS' applications ran on three mainframe servers in IBM® CICS® transaction processing and JCL batch environments. The applications were primarily COBOL-based and utilized IBM mainframe utilities such as SORT/MERGE, DITTO and ICKDSF. ESDS, KSDS, and RRDS VSAM data files were accessed by these applications, along with IBM® DB2® databases. End users interacted with the applications through 3270 screens as defined by Basic Mapping Support (BMS) MAPS.

Leveraging UniKix™ Transaction Processing Environment (TPE) software and UniKix™ Batch Processing Environment (BPE) software, TMI was able to move the complete CNSS application environment to open systems in just 6 months. The rehost involved 400 IBM CICS online programs, 50 jobs and 2650 batch programs. TMI also moved CNSS' data into a relational Oracle® database and preserved end user interfaces with the native implementation of BMS mappings found in UniKix rehosting software.

In addition to moving applications and data, CNSS leveraged TMI's migration experience to assist with the acquisition of appropriately-sized open systems platforms and storage; conversion of historical data from mainframe tapes; and installation and production cut over to the new software and hardware environment.

#### Seamless Migration Meets All Project Goals

Upon completion of the migration project, CNSS was able to retire all of its mainframe servers.

According to Mr. Walid Jaballah, Technical Team Director, TMI, "Thanks to the compatibility of UniKix rehosting technology with mainframe CICS and batch environments, we were able to complete the migration of CNSS in just 6 months. COBOL programs, application interfaces and end user screens seamlessly moved to the new target environment."

Rehosting offered the quickest time to implementation, which translated into greatest cost savings for CNSS. Annual cost savings have been substantial and now the organization is better equipped to address future market requirements on a nimble, open systems infrastructure.

#### 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](http://www.clerity.com).



9930 Derby Lane, Suite 202 • Westchester, IL 60154  
Phone 1-888-2-REHOST (or 1-630-981-6100)

© 2010 Clerity Solutions, Inc. All rights reserved. Clerity and UniKix are trademarks, or registered trademarks, of Clerity Solutions, Inc. in the United States and other countries.

IBM, CICS and DB/2 are trademarks or registered trademarks of International Business Machines Corporation in the United States, other countries, or both. All other marks are the property of their respective owners.