

# Caisse Nationale de Sécurité Sociale



## Improved Flexibility and Performance with Lower Costs

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

### Highlights

- Gained flexibility on a cost efficient UNIX platform
- Minimized disruption to end users by preserving existing interfaces and application screens
- Improved application performance and response times

### Growing User Base and Service Offerings Drives 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 a UNIX® 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 Clarity, migration and project management services from Tunisie Micro Informatique (TMI) and servers from Sun Microsystems, 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 CICS OLTP 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 DB2. End users interacted with the applications through 3270 screens as defined by Basic Mapping Support (BMS) MAPS.

Leveraging UniKix™ Transaction Processing Environment (UniKix TPE) software and UniKix™ Batch Processing Environment (UniKix BPE) software, TMI was able to move the complete CNSS application environment to open systems in just 6 months. The rehost involved 400 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 UniKix Mainframe Rehosting Solutions from Clerity

Clerity's services team has been engaged in hundreds of migration projects and has helped customers move more than 500 million lines of COBOL code to open systems. With Clerity's proven UniKix mainframe rehosting software and automated tools, the risk of migrating mainframe workloads can be minimized and applications can get up and running quickly on open systems.

By complimenting an organization's in-house application and domain expertise with Clerity's migration experience and strong knowledge of open systems, the strain that migration projects can put on IT staff can be relieved. Clerity and its partners can perform the majority of a migration project, or they can mentor

a company's IT staff to build a strong project team that can deliver high quality results and keep a project on schedule.

The combination of strong products, deep expertise, and flexible service offerings makes Clerity the best choice to help migrate mainframe environments to cost-effective platforms that offer new business opportunities and affordable future growth.

#### Learn More

For more information on mainframe rehosting solutions from Clerity and associated products please visit:

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



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