

Tunisian Post Office

Company:

Tunisian Post Office

Product & Services:

SunFire 890
Sun StorageTeck 3510 FC Array
Solaris 10

Main Objectives:

- Preserve existing mission-critical workflows and business logic
- Perform a seamless migration with no production downtime
- Achieve over \$80,000 per year savings in annual maintenance fees
- Reduce nightly backup window from 14 hours to just 2 hours
- Establish a cost-effective, flexible target environment for future application development

Main Results

- Key workflows, data, and investments were protected
- Phased approach over a period of 15 months.
- Month-end processing time reduced from 8 hours to 15 minutes
- Over \$80,000 USD/year saving in maintenance costs

TMI moves key postal and financial mainframe applications to Sun Microsystems Solaris operating environment using Unikey rehosting software from Clerity Solutions Inc. (Clerity).

Faced with increasing subscriber volumes and the desire to rapidly role out new, expanded services, the Tunisian Post Office found its current IT system unable to efficiently keep up with market growth and changing requirements. Looking for a solution that would support all current functionality and enable an evolutionary path forward, the Tunisian Post Office decided to rehost its key mainframe applications to Solaris environment.

Office National des Postes (ONP)

Operating since 1999, the Tunisian Post Office (known as Office National des Postes or 'ONP') performs mail distribution, financial services, and supports additional areas such as direct marketing and money transfers across Tunisia.

ONP employs over 9,000 people and processes over 111 million regular letters a year and is now branching out into areas such as express mail and parcel delivery service as well.

ONP seeks evolutionary path forward

ONP initially deployed its central operations on highly-available Siemens RM 400 technology, however rapid growth and the addition of new services quickly tapped out all available processing, memory and storage capacity on this platform. Faced with increasing subscriber volumes and the need to rapidly role out expanded service offerings, a scalable, open architecture was desired.

In order to maintain current operations and service levels, it was important that all current functionality be supported by the new target platform. Overtime, key applications and data would be evolved to a 3-tier architecture with Java technology and relational databases in the new environment.

Also, given the importance of on time main distribution and financial services such as ATM transactions and related operations, no down time was acceptable during the migration.

Unikix technology from Clerity offers best of both worlds

After reviewing several options, the Tunisian Post Office decided rehosting was the most technically viable solution. Key to this decision was UniKix mainframe rehosting software from Clerity Solutions Inc. (Clerity).

UniKixTM Transaction Processing Environment (UniKix TPE) software and UniKixTM Batch Processing Environment (UniKix BPE) software enabled ONP's current applications to run on open systems without modification and in particular to Sun Microsystems Solaris 10 environment.



“Clarity’s rehosting software provided a clear way for our existing applications to be transitioned to Solaris environment without risk. Through rehosting, our key workflows, data, and investments were protected while we gained the benefit of a highly-scalable, cost effective alternative platform.”

– Mr. Abdelrazek Slama,

Director of Information Systems, Office National des Postes

TMI delivered seamless implementation

As a certified solution partner for UniKix technology from Clarity and as a the official reseller of Sun Microsystems technology platforms, Tunisie Micro Informatique (TMI) was selected by ONP to perform the application and infrastructure migration.

Working with a designed team from ONP, TMI rehosted central and regional site applications, addressing money-order, central checking and savings transactions, online financial services, and post office operations. The project was done in a phased approach over a period of 15 months. As illustrated in Figure 1, “Overview of ONP Rehost Implementation,” TMI implemented a Sun Sparc architecture with end-to-end fiber optic technology for optimal performance for ONP. Over 100 online programs and 1800 batch programs were rehosted during the project, along with 200 screens and 1400 files.

Rehosting is a complete success

According to Mr. Habib Bssila, Project Lead and Director of Production at Office National des Postes the project has been a complete success.

ONP’s month-end processing time was reduced from 8 hours to 15 minutes; backups were reduced from 14 hours to 2 hours. ONP also estimates that it now saves over \$80,000 USD/year in maintenance costs with this move.

“Moving to Solaris open systems environment not only met our goals for cost-effective future scalability, but we also experienced significant improvements in response times. We were pleased by the professionalism and expertise TMI maintained at all times during the migration,” according to Mr. Bssila. Going forward, ONP has a highly-available, open systems platform equipped to meet the needs of its current and future customers.

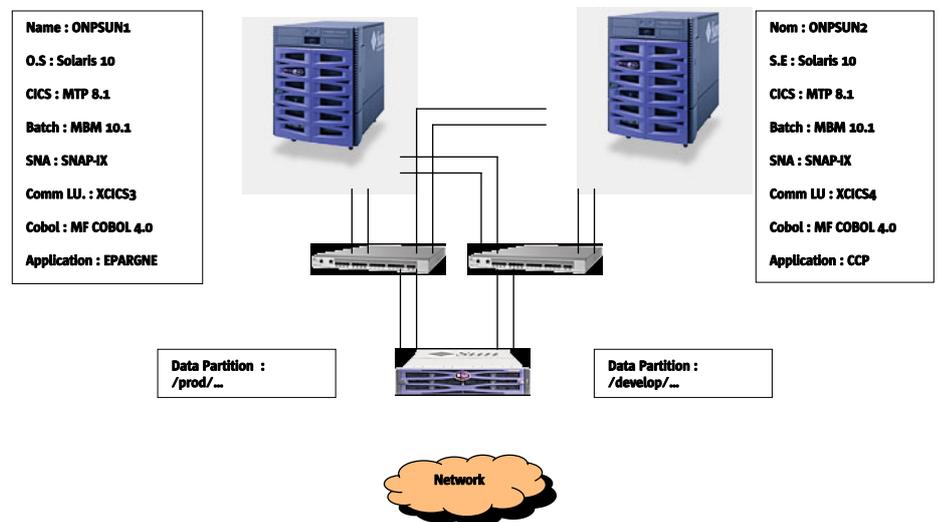
About Unikix Mainframe Rehosting Solutions from Clarity

Clarity’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 Solaris operating environmen. With Clarity’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 Clarity’s migration experience and strong knowledge of open systems, the strain that migration projects can put on IT staff can be relieved. Clarity 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 Clarity the best choice to help migrate mainframe environments to cost-effective platforms such as Sun Microsystems Solaris 10 environment that offer new business opportunities and affordable future growth.

National Post Office Central Site Architecture



Previous Environment	New Rehosted Environment
– Siemens RM400 / SINIX system	2 Sun Fire 890 Servers
– HA Software	3510 FC disk array
– XCICX Transaction Monitor	Unikix TPE and Unikix BPE software
– SNA LU 6.2 protocol	VSAM (part of Unikix TPE)
– XVSAM (ISAM) flat file management system	Veritas Cluster
– DCL SNAP / IX	DCL SNAP / IX
– Micro Focus COBOL, Assembler	Micro Focus COBOL

