



## Client: TREASURY AGENCY

### Requirement

In February 2003, IBM announced a new migration strategy to move from the existing OS/390 operating system to the z/OS series, which would run on the eServer and zSeries platforms and take advantage of the 64-bit mode processing. At the time, BEP was running OS/390 Release 2.10 on an IBM 9672 Generation 5 level mainframe. IBM also announced that there would be annual upgrades to the OS, that the z/OS 1.6 scheduled for September 2004 release (and future releases) would only run on the new z800/900 eServer and zSeries platforms, and that OS/390 Release 2.10 would not be supported after September 2004. Further, the 9672 G5 series mainframe would not be supported after September 2006.

### Approach

Paradigm researched the possible upgrade paths and recommended that the software be upgraded to z/OS 1.4 on the current mainframe, then installed a new z800 eServer and migrated z/OS 1.4 to the new processor.

IBM encouraged users to upgrade at that time, to avoid a rush for new processors and IBM support in 2006. To successfully accomplish this complex upgrade, Paradigm contacted each vendor of third-party applications used at BEP and verified that their software would work with z/OS.

Upgraded versions were acquired as needed and the interfaces tested with z/OS to ensure that the application users would not be impacted. Licenses were verified for the new hardware.

Testing was accomplished on a separate LPAR (logical partition) so operation was not impacted. The final cutover was accomplished during non-business hours to ensure minimal interference with normal production.

### Result

As a result of these enhancements, the Agency gained the capability to use IP methodology to access the mainframe systems and databases from any IP access point. This provides a significant enhancement to the communications with the National Finance Center and the Financial Management Service, as well as the Federal Reserve System. Job processing time has improved by 30%, significantly improving the response to BEP customer needs.

Software upgrades enhanced overall system security and accountability. The computer operations division passed the Sarbanes-Oxley Compliance Audit in June 2005.

The Agency reduced costs by \$150,000 during the 18 months that the z/OS operating system and the z800 Enterprise Server have been in place.

### About Paradigm Solutions

Today's technological environment contains products covering an infinite spectrum of functions, size, features, and price. There is a compelling need to bring together products and services to provide a comprehensive solution so that Federal IT organizations can achieve productivity improvements, cost efficiencies, and user satisfaction.

Paradigm Solutions provides specialized support and solutions that offer integration and professional services for collaboration management, imaging, workflow, document management, and data management technology to information systems architectures.

We offer utility and productivity gains while protecting investments in existing technology and user productivity, and we focus on studying and responding to user needs.

Our solution engineers analyze, design, and implement strategies to meet client requirements, perfecting the capabilities of a wide range of technologies and components, and identifying the important benefits and cost savings that can be realized by immediately implementing our technology.

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