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The new face of COBOL™

ACUCORP®

## TSCD Finds Security in ACUCOBOL™-GT

*“When it came time to migrate our application, we didn’t even consider switching from ACUCOBOL-GT because of the risks, costs and time involved,” says David Chuang, TSCD’s IT Manager. “Using Acucorp’s solutions, we were able to complete the migration in half the time it would have taken had we chosen another language alternative.”*

### TSCD Fast Facts:

- Founded in 1990
- Headquarters in Taipei, Taiwan with additional offices in Taichung and Kaohsiang
- Approximately 400 employees

### Application:

- Stock inventory management system for Taiwan’s nationwide stock depository

### Acucorp Solutions:

- Data integration using Acucorp’s remote file server technology
- Distributed computing with Acucorp’s server-side client/server technology
- Platform migration

### New Environment:

- Turbo Linux running on an IBM S/390® Mainframe Server

### Previous Environment:

- ACUCOBOL-GT running on an IBM RS/6000®

### Previous COBOL:

- Wang VS COBOL

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### Business Issue

The Taiwan Securities Central Depository Co., Ltd. (TSCD), charged with managing Taiwan’s nationwide stock depository as well as operating as a service center of securities depositories, was growing...and quickly! So quickly, in fact, that their existing IBM RS/6000 no longer provided the server capacity they required. And, in order to manage the growing transaction demands of their stock inventory system, TSCD needed to find a more scalable platform on which to move their application.

### Solution

Although TSCD had not yet decided how to solve their business problem, they had already identified two key features of their future IT strategy: 1) IBM would provide the hardware; and 2) Acucorp would provide the software. Three years prior, Dimerco Data System Corp., a software development vendor, had assisted TSCD in migrating their stock inventory system from Wang VS COBOL to ACUCOBOL-GT. TSCD selected ACUCOBOL-GT because of its portability and interoperability and were committed to incorporating the robust development environment into their future technology plans—plans that soon involved moving their application to the IBM eServer S/390 running Turbo Linux.

With ACUCOBOL-GT, TSCD was able to easily transfer their application to the mainframe server without recompilation. Once the application had been moved, they implemented Acucorp’s data access integration solution, giving them the ability to create, store and access their data files both locally and remotely, and the client/server distributed computing architecture, allowing their

application processing to be divided among multiple machines for optimal performance.

### Benefits

As the first company to run Acucorp’s ACUCOBOL-GT development software on Linux on the IBM eServer S/390 as part of a hardware consolidation strategy, TSCD was able to simplify the complexity of their IT infrastructure and, ultimately, lower their maintenance costs. Lower maintenance costs led to a lower total cost of ownership as well as a reduction in the sales cycle—all due to the portability and interoperability of ACUCOBOL-GT. The seamless platform migration also gave TSCD a higher degree of scalability, reliability, availability and serviceability. And, with the new IBM environment, the organization was able to reduce its risk and time-to-market while accelerating its time-to-value.

“The combination of the powerful Linux operating system, the stable S/390 mainframe server and Acucorp’s interoperable ACUCOBOL-GT development environment made it possible to support TSCD’s growing business needs,” explains Joset King, Manager of Global Midmarket Business, IBM Taiwan.

In addition to the benefits of the new platform, Acucorp’s Thin Client technology provided improved efficiency and noticeable performance gains by reducing TSCD’s network loading.

### Future Plans

With TSCD’s application investment based on Acucorp’s highly interoperable ACUCOBOL-GT, the organization is now positioned to adopt such upcoming technology trends as .NET, XML, Java and Visual Basic.