

## Express Migration for Expeditors

*By using Speedware's AMXW, Expeditors was able to migrate its HP e3000 environments to UNIX quickly and cost-effectively. The company saved a year of conversion time and enjoyed no disruption to its business operations.*

*We have been extremely pleased with the AMXW product. We chose it as it is the most complete tool available for emulating MPE in both application interfaces and execution environments. Plus, it seamlessly integrates with other tools.*

— Lori Fritz, Expeditors.

### Customer Profile

Expeditors of Washington, Inc. (NASDAQ: EXPD) is a global logistics company headquartered in Seattle, Washington. The company provides comprehensive logistics services to address import, export, freight management and information technology, for a total supply chain solution. The company has professionals in 150 offices and 13 international service centers located in six continents - all linked into a seamless worldwide network through an integrated information management system.

### Business Situation

Expeditors was looking for a solution that could help reduce the costs and risks associated with transitioning

to a new environment. As well, it wanted to prolong the lifespan of its applications and safeguard its data investments.

### Value to Business

Expeditors was able to migrate all of its code, more than 10 million lines, in approximately 6 months - a full year earlier and with half the staff than would have been required without the tool. What's more, Expeditors' Turbolmage databases were ported to DB2.

### Technology Enablers

Speedware's AMXW application and database migration tool.

### Challenge

Expeditors had relied on the HP e3000 business server for over 15 years. The company was eager to convert three of its mission-critical legacy applications to UNIX before 2006, when HP will be terminating support for the server. It was crucial, however that Expeditors identify a solution that would enable it to easily migrate without interrupting its business, losing any data, or impacting IT priorities. It also wanted to migrate these applications to UNIX in order to enjoy the benefits of an open systems environment. In addition, Expeditors needed to ensure that the converted applications would continue to interface with systems and third-party software.

During a typical day, hundreds of thousands of transactions are exchanged between interconnected systems around the world. Approximately 10 million lines of code on 150 geographically dispersed HP e3000 machines needed to be converted. In addition, the company had servers with Turbolmage, which would not be easily converted without a tool that could automate this process.

### Migration Options

Expeditors was looking for a solution that could help reduce the cost and risks associated with transitioning to a new environment. As well, it wanted to prolong the lifetime of its application, and safeguard its investments. The company conducted many evaluations and considered rewriting or reengineering, but decided against these options because it believed them to be too risky, expensive and time-consuming. It also felt that if selected any of these options, it would be incapable of completing the project before HP's end-of-support date.

### The AMXW Solution

Expeditors chose AMXW (Automatic Migration to UNIX and Windows), as it is the most comprehensive solution on the market today to migrate third-generation language applications and a variety of database types to open environments. The company received some training, and within a week, Expeditors' in-house staff was on its way. All of Expeditors' code remained on-site, as the company was eager to protect its valuable data.

# Express Migration for Expeditors

## Key Benefits

The product provides seamless integration with other tools and allowed Expeditors to maintain a single COBOL source file for existing HP and UNIX environments. Therefore, as the company converted its applications using AMXW, it did not need to maintain two code bases and could maintain its applications with only one version of the source for both HP e3000 MPE and UNIX targets.

The AMXW product includes a very helpful MicroFocus COBOL converter that easily converted Expeditors' existing TurboImage databases to its new database, DB2. Other key components of the product were AMXW's macro expansion capabilities, the SPL-to-C converter, and HP intrinsics emulation, which eliminated the need for Expeditors to rewrite the code for these important applications.

## The Results

Expeditors was able to migrate all of its code — more than 10 million lines — in six months. This was accomplished in a completely automated fashion at the rate of 2 million lines in 3 hours. The migration effort ported all its programs and databases to a UNIX-based platform using DB2 databases.

With AMXW's automated conversion, Expeditors was able to complete the conversion one full year earlier than would have been required using an alternative method. After migrating the applications with AMXW, Expeditors' system was very MPE-like, and it will be able to easily transition the company's technical staff to support the new environment in numerous local, regional and international service centers around the world.

Since AMXW is platform-independent, Expeditors was able to protect its investments. The company now enjoys extended flexibility so it can add other web-based applications, interface with legacy applications with ease, and migrate effortlessly down the road, one module — or one application at a time.

## Speedware's Complete Portfolio of Migration Services:

- *Comprehensive migration assessment*
- *Migration planning and analysis*
- *Complete project management*
- *Implementation*
- *Database porting tools*
- *3GL and 4GL migration*
- *Award-winning technical support*

## About Speedware

Speedware has been dedicated to helping companies modernize their business applications for over 15 years and enjoys a 100% project success rate. The company specializes in developing end-to-end modernization solutions that allow industry and government leaders to increase their business agility and reduce their operational costs. Speedware has been a leading provider of enterprise software solutions since 1976, offering a complete suite of legacy modernization, migration and application portfolio management solutions, business intelligence tools and application development solutions.

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