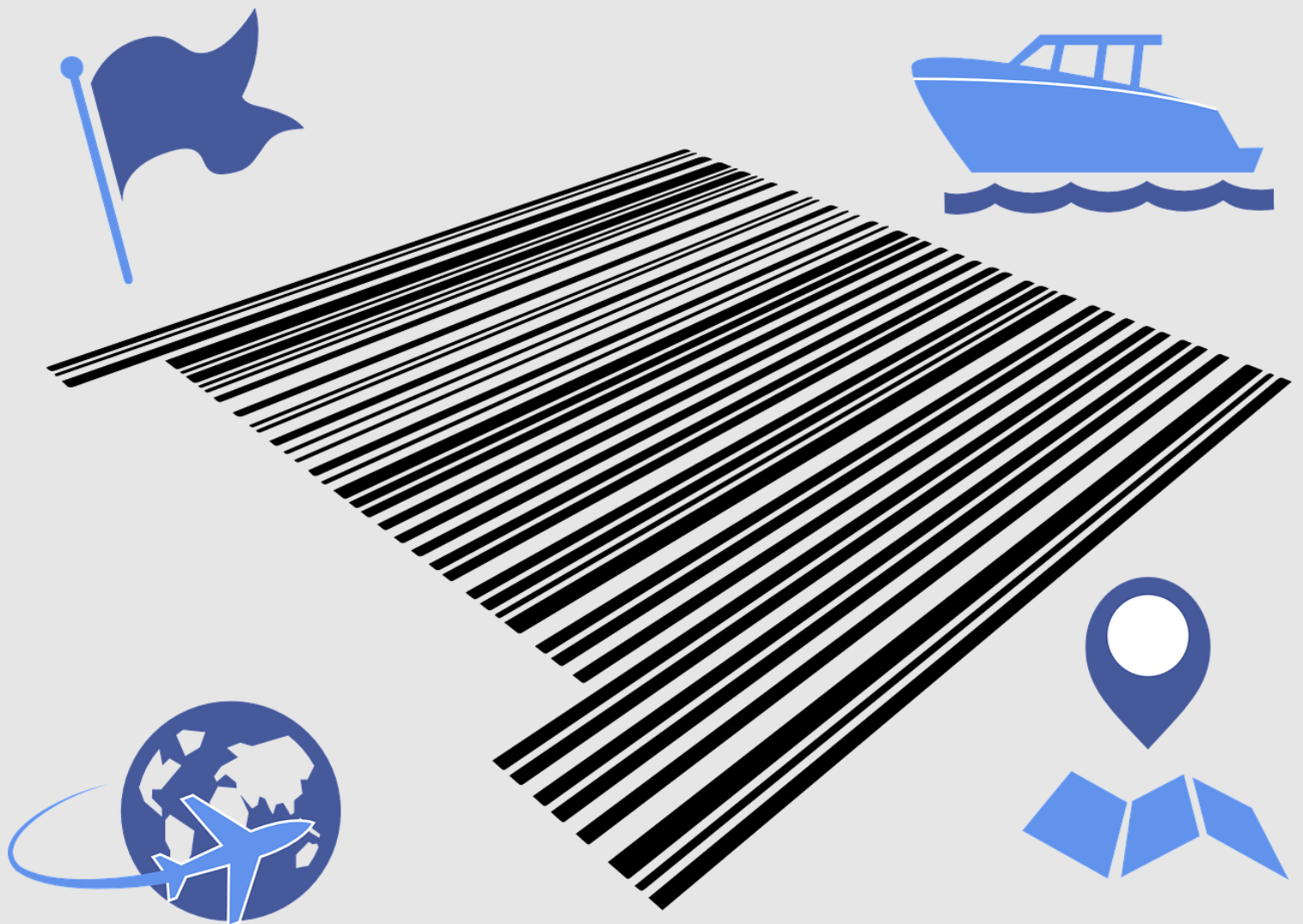# Work Station Internet Solution

Web Based B2B Solution Case Study

Summary

In today's economic environment, storage costs forms a large part of the operating costs for mail order companies and retail traders.

A web-based B2B solution was developed for Workstation Internet (WSI), to optimally support the business processes of the suppliers and this Company. These processes include managing of orders online, updating the stock and goods availability information, printing of labels for various logistics partners, managing cancellations and returns etc.

The application was developed using old java technologies like Struts and EJB 2.1. Over the period of time, the processes evolved and became more complex. Performance and security issues made it compulsory to upgrade the application to use latest and efficient java technologies. Direction Software LLP provided a new web-based solution using latest Java technologies and efficient implementation of business logic.

Challenges: Low Stability and Support Issues

- The application was using custom library for code generation of user interfaces which was not easily customizable and feature rich
- During the Security audit some security loop holes were found which mandated immediate fix.
- Increase in licensing cost of WebLogic application server created the requirement to move to open source server like Glassfish.
- The module to print labels for shipments was quite complex and was not flexible to accommodate new requirements
- The interfaces used for share information between WSI, other Systems and suppliers was using Pro C language. Acquiring and managing expertise for this was difficult.

Solutions: Enhanced Scalability and Performance Gain

- Dependency on custom libraries for code generation was removed. Latest java based AJAX framework, Vaadin, was used to provide efficient, user friendly and feature rich user interface.
- Thorough analysis was done to check for any loop holes with the new technologies used.
- The application was ported to Glassfish which is a free open source application server.
- The legacy interfaces were migrated to java based technologies.

About Direction Software LLP

Direction Software LLP has expertise on working of wide range of frameworks and logistics solutions.

We are constantly looking for latest offerings on the web, be it any solution in Java to meet the needs of the client.

Take advantage of our flexible engagement terms to meet your requirements. This can be in the form of fixed price project or outsourcing of work on T & M basis. Whether you need enhancements to be done or maintenance for your existing projects or even provide services in the form of Back-office to support your operations, Direction Software LLP has the solution to your needs.

Benefits

- Cost reduction
- Enhanced User experience
- More secure solution
- Flexibility to accommodate evolving business processes
- Highly improved performance

Technology

- Vaadin
- Java Persistence API
- EJB 3
- CDI

DIRECTION
Software LLP