INDUSTRY

Retail – Warehouse Distribution

CLIENT PROFILE

The client is the second largest retailer in the US. As they continue to expand, embracing advanced technology is a key strategic goal. Their distribution centers (DC's) are critical to getting the correct products to the correct stores on time.

CHALLENGE

The converted application requires telnet services to enable the wireless connection from the device to a base station. This communication and data transmission must meet the existing performance criteria of sub-second response time. Additionally, it is required that the user functionality of the legacy application remain, from key mappings on the device to screen appearance and flow, to minimize any re-training of warehouse workers of the application.

SOLUTION

Vgo Software leveraged Oracle's ITS (Industrial Telnet Server) solution with their ADFT (Advanced Development Framework-Telnet) class libraries and JSF (Java Server Faces) to enable a successful conversion.

Vgo Software used Evo to auto-generate 85% of the new J2EE components and convert 75% of the existing Forms business logic.

The converted application ran on Oracle Application Server 10g connecting to an Oracle 10g database. The application was also tested and deployed on AIX, Linux and Solaris.

The client was delivered:
- All the converted forms
- Testing and performance certification over telnet to Symbol devices
- A documented process outlining the conversion specifically for them
- Training on the use of the Oracle technology deployed

RESULT

All the Forms in scope of the project were converted with exactly the same look, feel and functionality. Performance of the application maintained a sub-second response time at peak utilization and user concurrence.

Vgo Software was the first company in the world to implement this conversion successfully and worked directly with Oracle's Product Development division for advanced technologies to implement the conversion.

For conversions of thick-client applications to wireless, J2EE compliant architectures, this is the only true, enterprise-class, solution available. The finished application has a clean separation of interface, business logic and data access, creating a scalable and efficient solution that can be easily ported to CE devices or leveraged with RFID applications in the future.