



Global logistics company looking to automate systems across the organization



LEAPWORK is helping us plant the seeds for further automation.



LEAPWORK automation vs. Selenium coding



1 full day of test execution reduced to 30 min.



System releases with automation potential

Company

- Blue Water Shipping
- Logistics, shipping, and transportation
- 60 offices worldwide
- More than 1400 employees

Requirement

Automated testing across systems and technologies.

Blue Water Shipping receives more than a thousand orders every day and at least two thirds of these are made through their online booking service. This makes it imperative that this application works as intended.



“The alternatives to LEAPWORK don’t provide that instantly clear flow of steps in a test case.”

After approximately five years of testing their online order system manually, Blue Water Shipping’s software development branch began looking into automating the regression testing of the application.

“Manual testing was just too repetitive and so boring,” said Ronni Sohl, one of the Test Managers involved.

Faster than Selenium

Ronni started out automating tests by writing code with Selenium but soon realized the downside: The amount of code to be maintained and corrected just piled up. Ronni needed a tool that would take care of all the code underlying his automation flows, so he began experimenting with the LEAPWORK Automation Platform.

“I tried out other test automation tools as well, but they just came with too much hassle,” Ronni said.

Ronni’s suite of regression tests consisted of approximately 30 tests, and with LEAPWORK he was able to rebuild ten of them into a combined test flow. Ronni estimated that he now spent half the time building test cases compared to building them with Selenium. A manual run of the test cases would take a full day, but with LEAPWORK this could now be done in 30 minutes. Running the tests with Selenium would take approximately 60 minutes.

Efficient, data-driven automation

For order bookings, several variables needed verification, e.g. item number, cargo type, transportation mode, etc. Ronni utilized the advanced data-driven capabilities of the LEAPWORK Automation Platform to build this kind of cases. By connecting a spreadsheet containing the data to LEAPWORK, the test case automatically pulled these data whenever executed.

“LEAPWORK is just visually very intuitive,” Ronni said. “The alternatives don’t provide that instantly clear flow of steps in a test case.”

Extensive capabilities required

After a successful pilot project of using LEAPWORK, Ronni and his colleagues now see great potential in

automating testing across systems and technologies. All departments in Blue Water Shipping, from Sales and Operations to IT and Finance, are in some way or other in contact with at least three systems with massive automation potential:

- The customer-facing online order booking mentioned above
- A web-based support system
- A desktop-based transport management system, or TMS

These systems rely on different technologies and therefore come with different requirements to the capabilities of an automation tool: It must be able to handle web as well as desktop UI automation – and in some cases even automation of virtual desktops, e.g. Citrix applications.

Ronni and the team see great potential for reaping productivity gains in automated testing of new versions of the systems. Updates to the online booking systems are released monthly, sometimes more often, whereas the support system and the TMS come with quarterly releases.

“With each new release, instead of spending a full week just regression testing, we could let LEAPWORK handle the testing with just a few clicks,” said Ronni who believes that building between ten and twenty test cases per system with LEAPWORK would help them meet their initial automation objective. “LEAPWORK is helping us plant the seeds for further automation.”

Summary

Blue Water Shipping uses the LEAPWORK Automation Platform for automating regression testing of a web-based order booking system.

- The responsible Test Manager found LEAPWORK to be an efficient alternative to building test cases by writing code in Selenium. In fact, both building and running the test cases is twice as fast compared to working with Selenium.
- After a successful pilot project, the team at Blue Water Shipping sees great potential for test automation that goes across technologies and departments.
- This further automation could potentially involve both web, desktop, and virtual desktop technologies which can all be handled by LEAPWORK.