

Successful automation of regression testing, increasing efficiency for a major desktop migration project



The client: One of the UK's largest, leading law firms

Industry: Legal

Ten10 services: Test automation

Key project features:

- Legal systems
- Desktop migration
- Test management
- Monitoring of production applications - functional & performance
- Traffic light dashboard
- Bespoke automation tool configuration
- Smoke testing
- HP Quality Centre & Unified
- Functional Testing (UFT)
- Time & money savings

The project

- Our client is one of the largest and most reputable law firms in the UK.
- From an initial base in London, our client has grown a network of nine offices spanning major UK business centres and with a growing international network.
- The firm's technology platform was based on virtualised servers & storage, hosted in co-located data centres.
- Testing processes, procedures, documents and related test scripts and data results (literally thousands of assets) were managed manually using MS Word.

Challenges

- Our client had a lack of internal expertise in test automation.
- The pressure and demands of a global desktop rollout without automation or test management tools.
- The need to alleviate pressure on manual resources and to automate regression testing so focus could be directed to new functional changes.
- The need to rapidly automate a regression pack for key business critical applications to avoid negative impact during the project's rollout.

The solution

Ten10 implemented an Automation Accelerator package, encompassing strategic guidance, tool evaluation and proof of concept with the working automation framework as a product of the exercise.

The production of a smoke test pack was recommended to continuously monitor the health of key systems, test management was provided to help organise testing and reporting on quality, and support with license acquisition for tools was given.

The smoke test pack worked in conjunction with a reporting framework with a 'traffic light' dashboard that could be used for hourly system monitoring. The traffic light dashboard was written in HTML and published on the support team intranet, providing a simple view of the world in terms of system health.

Executed hourly, the dashboard showed a simple green light for each critical system if all functional and performance (single user) checks were positive, an amber light if functional checks were okay but performance was deteriorating, and a red light if either functional checks were failing or if the performance of the system was below an acceptable threshold.

Tests and requirements were organised in HP Quality Centre and automated tests were scheduled through Quality Centre's test lab and executed via HP's Unified Functional Testing.

"Without internal expertise, we decided to work with Ten10 because of their experience in this field. Within days we had a strategy, a tool choice and a working framework to expand on over time"

Head of Software Quality,
Leading Law Firm

Benefits

- The support team can now provide a faster, pro-active response to impending performance and functional issues.
- A robust production monitoring solution now in place, speeding up time-to-launch.
- Higher quality of new and expanded software products.
- Regression pack in place; saving time and money, and allowing the client's team to focus on increasing their coverage of testing.
- Competency across HP tool set for internal test team.
- The client now has in place a single solution in HP Quality Centre for test management - saving time and managerial effort.