

ACCELERATE QA HELP ALFRESCO DELIVER HIGH QUALITY SOFTWARE MORE FREQUENTLY THROUGH TEST AUTOMATION, CONTAINERISATION AND CONTINUOUS DELIVERY.

THE CHALLENGE

Alfresco is an enterprise open source company focused on making businesses flow with their Alfresco Digital Business Platform – software that enables 11 million people across 195 countries worldwide to manage both process and content securely.

Our client understands the need to deliver quality software, faster to its large client base and took the decision to embrace automation in its many forms. In order to reduce waste in their software delivery pipeline and drive efficiency they recognise the need to adopt rigorous test automation, repeatable provisioning infrastructure and controlled Continuous Delivery practices.

With a very rich technical landscape, multiple delivery teams and a number of automated testing and environment provisioning approaches, they are looking to implement a scalable, rigorous and flexible end-to-end delivery process and thus selected Accelerate QA to work alongside Alfresco's Engineering team, across sites in the UK and Romania.

Accelerate QA's remit was to discover current working practices, help define and architect the test automation, provisioning and software delivery model – proving the concepts and managing the implementation.

THE SOLUTION

Accelerate QA lead all projects with a dual approach of technical enablement and adoption. This means that as well as helping our clients with the very best technical solutions we ensure that these will be understood and embraced by the entire team.

Accelerate QA first helped define a scalable and robust test automation system including an inclusive operating model – supporting multiple delivery teams. Working with both the Alfresco and Ness teams, we provided an API/Protocol layer focused test automation capability that would be easy for the teams to consume, maintain and expand. The solution designed was entirely open source thus giving Alfresco the potential to open its availability up to Alfresco's extensive community of external developers, partners and customers.

Next, Accelerate QA helped design and deliver a solution to enable efficient environment provisioning. Using the principles of a DevOps way of working and harnessing the power of the cloud we delivered a container framework using Docker, Jenkins and AWS while supporting delivery teams in adoption.

Finally, we provided advice and guidance to Alfresco on appropriate tool selection, process and role changes in order to fully embrace and take full advantage of Continuous Delivery practices. This included clear recommendations on how to enable a fast, agile delivery model meeting all control criteria required by an enterprise organisation.

THE RESULTS

The client now has a robust and scalable application development, testing and deployment framework built to ensure quality within their application and enable them to deliver better quality software, faster.

The engagement dramatically reduced the time, effort and cost for Alfresco to release software. Test cycle times have been reduced from weeks to hours and test coverage has increased. Automated environment provisioning has reduced previous manual effort of days to a number of minutes. 'Push button' build, deployment, test and release processes have reduced waste in the delivery pipeline and enabled Alfresco to get the best out of its most valuable asset – their people.

KEY TECHNICAL FEATURES

- Open source test automation
- JAVA, Spring, ReST, CMIS, CIFS, WebDAV, FTP, Solr
- JIRA and TestRail integration
- Kubernetes orchestration including Docker Containerisation
- Bamboo, Git, Jenkins build environment
- AWS/Vagrant

Accelerate^{QA}

CUSTOMER SATISFACTION

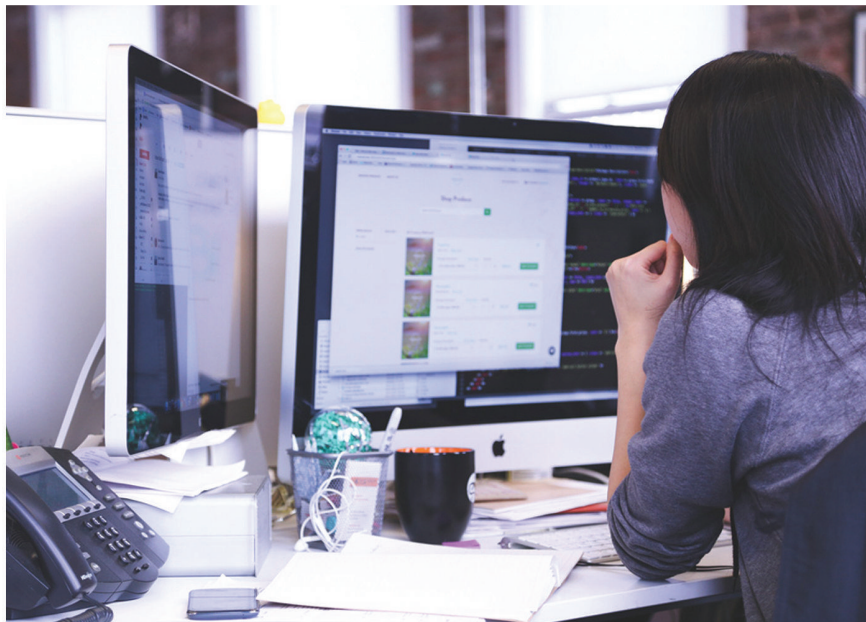


"The team solved our automated testing and environment provisioning challenges."

Robert Schembri, Director of Test Engineering at Alfresco

"Accelerate QA have added huge value to the way Alfresco delivers software to its customers. Their support in designing and managing the development of our rigorous testing and delivery framework has been outstanding and we will continue to realise the benefits of this engagement moving forward."

Mark Heath, VP Product Development at Alfresco



HOW CAN WE HELP?

Get in touch to start a conversation.

Email us at mail@accelerateqa.com or visit www.accelerateqa.com