

Test Automation

CQE offer innovative test automation and continuous integration services including strategic consultancy, and design and development of automation frameworks delivered using a range of tools, both open source and commercial. Our innovative automation solutions balance highly technical expertise with exceptional process experience to maximise value meeting demanding business requirements.

Service features

- On site and offsite, delivery
- Apply testing best practices via ISTQB certified staff
- Flexible and scalable resourcing from individuals to teams
- Focus on Quality Engineering
- End to End Test Management from Project inception to delivery
- Unit, API, UI and Performance test Automation
- Test Automation Frameworks
- Automation integrated with the Continuous Integration and Continuous Delivery process
- Cloud IaaS, PaaS, SaaS testing models
- Business and Test Driven Development approaches

Service benefits

- Efficient testing by usage of best practices and best-of-breed tools
- Quality at speed and scale through an integrated managed service
- Improved productivity through Automation Regression Tests
- Improved test coverage to reduce business risk
- Enabling Continuous Test and Delivery
- Automation 'as a project' delivery models
- Advice from experts with broad spectrum of automation experience
- Increase in return on investment
- Faster feedback on software quality
- Improved end user/customer experience

Delivery Methodology

CQE ensure an appropriate, best practice approach to test automation from the outset. CQE believe, that it is essential to longer-term automation success and achieving the greatest value from automation that any automation approach be planned and design to ensure ease of maintainability, robustness and fitness of purpose.

CQE ensures that the most significant issues and failures associated with test automation are avoided, by:

- Optimising the tests that are to be automated to ensure that the tests to be automated are valuable and relevant, both for initial implementation and execution in the longer run.
- Automation suite rationalisation ensuring that an ever-expanding automation suite is rationalised so that so that underlying tests that are no longer relevant and valuable are removed to reduce maintenance costs and execution times
- Following the principles of the automation pyramid with more automation effort concentrated below the user interface.
- Ensuring an integrated best of breed toolset utilising proven frameworks
- Designing solutions to minimise maintenance efforts and costs ensuring that automation return on investment remains positive