



## OVERVIEW

As use of the Internet by individuals and companies becomes more and more commonplace, e-business continues to grow at an accelerating rate. Companies are moving rapidly to expand their markets by offering products and services through Internet applications. They have to respond quickly to market demands, or risk losing customers to competitors. There is therefore constant pressure to change, update, and enhance systems more frequently than with traditional client/server applications. Given the far-reaching nature of e-business applications, companies have a greater requirement and responsibility than ever before to deliver reliable applications.

The diversity of technologies that e-business systems must accommodate is greater than ever before. Many variables have been added to the mix over time. Applications must operate across a wide variety of hardware, operating systems, technologies and browsers. Effective functional testing of an e-business application is therefore increasingly necessary to guarantee operation consistent with specification.

Recognising the growing importance of e-business application reliability to organisations, Quality Automation (QA) has defined a turn-key functional test automation program that helps clients avoid obstacles that can surface on the path to a successful e-business implementation. This solution is based on the premise that in-house test staff can be complemented by an independent test team (QA), whose primary focus is to deliver an automated 'health check' solution using market leading test automation tools and best practices.

Called the 'Quality Automation Regression Testing Service', it has been designed specifically to address the following problems:

### 1. How to develop an effective 'end-to-end' automated functional test suite

Skilled QA project management and test development staff define and deliver an automated test suite that automatically simulates 'end user' activity on your e-business application.

### 2. How to quickly begin testing.

Automated tests run in a fraction of the time taken to run manual tests, and can therefore be programmed to run on a regular basis (e.g. daily)

## REGRESSION TESTING SERVICE (RTS)

*The most complete regression testing solution available*

### 3. How to make sure that automated tests keep pace with development changes.

QA maintains automated test scripts, ensuring that they keep pace with changes to your e-business application.

### 4. How to receive early notification of functional problems

Tests are run either remotely via the Internet or on-site, and problems if detected are reported instantly via email, fax or phone.

### 5. Reporting – Easy access to data

Top executives or operations staff can access on-line graphs and reports of current and historical reliability data anytime, anywhere using a standard web-browser. Customised performance and reliability history reports are also available on a weekly or monthly basis via email.

Our e-business regression testing program has three phases that have been designed to assess the reliability of your e-business application. These are:

1. **Automated test definition.** This phase includes application familiarisation and business-scenario confirmation with client staff, followed by automated test development.

2. **Execution and analysis.** Tests are run regularly either by client or QA staff. Bugs detected during execution are categorized and recorded in a QA or client defect tracking system.

3. **Reporting.** Project reports indicating overall progress against milestones, defect status and risk based release prognosis are provided to client staff on a regular basis.

To learn more about how QA can help you improve the reliability and performance of your e-business applications, visit: [www.quality-automation.com](http://www.quality-automation.com).

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