



Today's companies face keen competitive pressure to develop high-quality, reliable and cost-effective IT solutions.

Because Structured Testing provides insight into the risks involved in every stage of a project, it is a critical element in developing and deploying the applications your business requires.

CTG Test Automation Services

Can Test Automation Lower the Pressure on Your Testing Team?

Limited test resources combined with tight schedules impact your ability to achieve sufficient test coverage, and force you to cut corners. In most situations Test Automation tools will allow you to automate time consuming, repetitive test execution activities! Some typical benefits:

- Speed up test execution and achieve the same, high test coverage for every release, every patch, every time;
- Test multiple configurations, language versions, data combinations with the same test script;
- Increase accuracy by executing the same tests, the same way, every time! Plus, each test execution is automatically documented;
- Improve usage of your test team resources, who can concentrate on advanced test issues, instead of doing the same tests over and over again.

CTG as Your Test Automation Partner

Establishing an automated testing strategy should be viewed as a strategic investment that is an integral part of quality improvement. A high level of expertise is required to choose the right tool and to implement it correctly. CTG can help you in various ways to achieve a success with Test Automation!

Test Automation Feasibility Assessment

You are interested in Test Automation, but you lack the information to decide whether the costs outweigh the benefits? You don't have tangible information to establish a convincing business case for Test Automation? CTG can help by answering these questions for you:

- Are your test organisation and test process ready for Test Automation?
- What parts of your system are suited for test automation?
- Would you rather automate tests on the GUI or on the level of the API or Service?
- What are the costs and benefits to be expected when introducing a Test Automation Tool? What ROI can you expect?

Test Automation Tool Selection

CTG has an extensive knowledge of the Test Automation Tool market (including Open Source solutions), and can help you determine which tool is the most appropriate. Some of the selection criteria are:

- Environments to be supported (.NET, J2EE, Terminal Emulators, ...);
- Integration with other tools, such as Test Management tools;
- Technical proficiency of end-users;
- Test Script Language (VBA/VBScript, Java, proprietary, ...);
- Budget

Test Automation Implementation

When implementing Test Automation Tools, CTG will not only focus on technical aspects, but will also recognise the impact it has on your organisation and test process! Some of the aspects CTG takes into account:

- People
 - Who will automate the tests? Centralised or distributed organisation?
 - What are the communication lines between test automator (s) and manual testers?
- Process
 - When do you start automating? When do you adjust existing automated tests to new evolutions?
 - At what times in your release do you execute the test scripts?
 - What is done with defects coming from automated tests?
- Technology
 - How do you handle test data needs in your automated tests?
 - How do you limit your test script maintenance efforts to the minimum?
 - How do you make your tests run unattended, including recovery mechanisms in case of unexpected events?
 - What kind of framework do you use? Data driven? Keyword Driven?

CTG does not only help you in making the correct choices, but also assists in the actual implementation. CTG's Test Specialists help you organise, design and execute your automated tests. CTG also offers a QuickStart formula to jump start your organisation with test automation tools. This includes a customized training, set up of a basic test automation framework and on-the-job coaching of your test engineers.

CTG Test Automation Capabilities

CTG's Test Automation Specialists have successfully completed certification exams for a wide range of test tools from HP, IBM Rational, Compuware, etc. Moreover, they have been using the tools for several years in different projects.

CTG provides official training in the HP and Compuware Tools.

Partnerships

CTG has partnerships with HP and Compuware, major suppliers of test tools. These partnerships focus on certification, consultancy, support and training.

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Backed by over 40 years' experience, CTG provides IT staffing, application management outsourcing, consulting, and software development and integration solutions to help Global 2000 clients focus on their core businesses and use IT as a competitive advantage to excel in their markets. CTG combines in-depth understanding of our clients' businesses with a full range of integrated services and proprietary ISO 9001:2000-certified service methodologies. Our 3,300 IT professionals based in an international network of offices in North America and Europe have a proven track record of delivering solutions that work.

More information about CTG is available on the web at www.ctg.com.