

Automation Testing Tools - Comparison Matrix



Helping you choose the right automation testing tool /

In today's dynamic market, it is a given that only agile and enterprise-ready lean organizations can meet its ever-growing demands within a short span of time. Choosing and setting up the right automation testing tool is the essential first step towards achieving this goal.

"A good start is half the battle won!" This case study will help readers understand the different features that popular test automation tools have to offer, using a comparison study of three of the leading Test Automation tools including: T/DG's (The Digital Group) QARA, HP QTP, and TestComplete.



We understand that choosing the right automation tool that fits your organization's goals is truly a challenging task. This study puts three tools on the same plate giving readers a very comprehensive overview in terms of their cost-effectiveness, their features and support functions.

Criteria for the selecting HP QTP and Test Complete for this study /

The reason for choosing HP QTP and TestComplete for this comparison study is simply the fact that they are the top two widely used test automation tools and the most popular software testing tools available today.

Test Automation Tool Comparison at a glance /









Cost-effectiveness

| | QARA | HP QTP | TestComplete | |
|--------------|-------------------------------|--|--|---|
| License Cost | Highly economical | \$7,500 per seat/perpetual License | Node-Locked License (Platform+Web) - \$1,999 per seat/perpetual License Floating User License (Platform+Web) - \$4,498 per seat/perpetual License |  |
| Maintenance | Support by in-house framework | Plus \$1,500 per seat per year for maintenance | Includes 1 year maintenance |  |







Note: TestComplete is also available for Mobile and Desktop, but with EXTRA COST

Feature List /






Technical Features

| | QARA | HP QTP | TestComplete | |
|--------------------------|-------------|--------------------------|--|---|
| Scripting Language | Selenium/C# | Mercury TestScript(.mts) | Recorded script can be in: javascript/VBScript/Python/DelphiScript/Jscript |  |
| Object Recognition | Yes | Yes | Yes |  |
| Continuous Integration | No | Yes | Yes |  |
| Test Record and Playback | Yes | Yes | Yes |  |
| Keyword Testing | Yes | Yes | Yes |  |
| Reporting | Yes | Yes | Yes |  |
| Object Repository | Yes | Yes | NA/No |  |
| Parameterization | Yes | Yes | Yes |  |

Support Function /

| | QARA | HP QTP | TestComplete | |
|--------------------------|---|--|--|---|
| Application Support | Web Applications, Windows Applications, Mobile Applications (Android, Mobile browser testing support) | Web Applications, Windows Applications, Mobile Applications (Android, iOS, Mobile browser testing support) | Web Applications, Windows Applications, Mobile Applications (Android, iOS, Mobile browser testing support) |  |
| Operating System Support | Windows | Only Windows | Both old and new Windows operating systems |  WINDOWS |
| Browser Support | IE, Firefox, Chrome, Safari, Opera, Headless | Google Chrome (until Ver 23), Firefox (until Ver 21), IE | IE, Firefox, Chrome, Safari, Opera |   |
| Device Support | iOS, Android | iOS, Android, Windows Phone via, licensed products such as Perfecto Mobile and Experitest | iOS, Android |   |

Integration with 3rd party tools /

| | QARA | HP QTP | TestComplete | |
|---|------------------------------------|--------------------------------------|--------------|---|
| Integration with JIRA | Yes - Data Replication in progress | No | Yes |  JIRA |
| Integration with BrowserStack and BrowseEmAll | Yes | Yes, using Automation Samurai add-in | No |  BROWSE STACK |
| Integration with TFS (Team Foundation Server) | Yes | Yes | Yes |  TFS |
| Integration with Angular JS | Yes | Yes | Yes |  Angular JS |
| Integration with Appium | Yes | No | No |  appium |

Benefits of choosing QARA / ---

- It is a Keyword Driven Framework with user-friendly keywords. Keyword-driven testing reduces the sensitivity to maintenance caused by changes in the SUT
- Reduced dependencies on SMEs and tool experience
- Increased flexibility to reach multiple target devices and browsers
- Increased quality and reliability
- Reduced defects and faster time to market
- Faster realization of ROI
- Reduced test data setup time
- Significant reduction in regression and integration test cycles
- Reduced (nearly 60%) manual regression and testing efforts
- Excellent support for reporting needed to show the test result
- Library function support to perform conditional checks and looping

Conclusion / ---

T/DG is committed to providing comprehensive and cost-effective software testing automation methodologies. With support from our in-house team of framework engineers, we can help build a concise strategy to meet all your automation testing requirements. With an intuitive keyword-driven, zero coding framework, using QARA guarantees a measurable increase in the ROI and an increase in the test coverage. It's easy-to-use and simple interface, enables testers to start automating within 3 days.

ABOUT US

The Digital Group (T/DG) is a trusted Information Technology partner for businesses across the globe. Our comprehensive IT services include a full spectrum of Product Engineering and Development services, Software and Data solutions as well as Enterprise Information Management solutions that help organizations optimize productivity, enhance operational capabilities, boost revenues, drive innovations and fire up time-to-market cycles in a dynamic environment.

With a focus on building long-term client relationships, we provide a range of services from Concept-To-Complete spanning Product Development, Maintenance, Support and Operations. Our commitment to innovation coupled with decades of experience delivering excellence for our customers, vital technology partnerships and global delivery centers across the US and Asia Pacific, make T/DG an ideal choice for next-generation initiatives.

T/DG is a CMMi Level 5 ver1.3 Dev and Service Appraised company along with certifications in ISO 9001:2008, ISO 20000-1:2011, ISO 27001:2013, ISO 22301:2012 and SSAE 16, Type II. For more information, visit www.thedigitalgroup.com



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