# Competitive Matrix - CloudQA vs Alternatives

| Features | CloudQA | Selenium | HP QTP/UFT | TOSCA | Sahi Pro | TestingWhiz | Telerik | SmartBear | Load Runner | Jmeter | SOASTA | Blazemeter | WebLoad | Gatling | Dynatrace | AppDynamics | New Relic |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Completely Integrated QA Automated Tool** | | | | | | | | | | | | | | | | | |
| *Unified Platform* | | | | | | | | | | | | | | | | | |
| Reusable functional tests for load testing | YES | NO | NO | NO | NO | NO | YES | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO |
| Reusable functional tests for synthetic monitoring | YES | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO |
| Comparison and regression analysis | YES | NO | NO | NO | NO | YES | YES | YES | NO | NO | NO | NO | YES | NO | NO | NO | NO |
| Same script for multiple browsers | YES | NO | NO | YES | YES | YES | YES | YES | NO | NO | NO | NO | NO | NO | NO | NO | NO |
| *Complete QA Lifecycle Support* | | | | | | | | | | | | | | | | | |
| Extensible reports | YES | NO | YES | YES | NO | YES | YES | YES | YES | NO | YES | NO | YES | NO | YES | NO | YES |
| Detailed logging | YES | NO | YES | YES | NO | YES | YES | YES | YES | YES | YES | YES | YES | NO | NO | YES | YES |
| Test management | YES | NO | YES | YES | NO | NO | YES | YES | YES | YES | YES | YES | YES | NO | NO | NO | NO |
| Continuous delivery support | YES | YES | YES | YES | YES | YES | YES | YES | NO | NO | NO | NO | NO | NO | YES | YES | YES |
| DevOps support | YES | YES | YES | YES | YES | YES | YES | YES | NO | NO | NO | NO | NO | NO | YES | YES | YES |
| Image comparison | YES | NO | NO | NO | NO | YES | YES | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO |
| Real time analysis | YES | NO | NO | NO | NO | NO | NO | YES | YES | YES | YES | YES | YES | YES | NO | NO | NO |
| Real time monitoring | YES | NO | NO | NO | NO | NO | NO | YES | YES | YES | YES | YES | YES | YES | NO | NO | NO |
| Test configuration & scheduling | YES | NO | NO | NO | NO | NO | NO | YES | YES | YES | YES | YES | YES | NO | NO | NO | NO |
| Applications management | YES | NO | NO | NO | NO | NO | NO | YES | NO | NO | NO | NO | NO | NO | YES | YES | YES |
| Availability management | YES | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | YES | YES | YES |
| Availability reporting | YES | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | YES | YES | YES |
| Event reporting | YES | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | YES | YES | YES |
| Email notification service | YES | NO | YES | YES | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO | YES | YES | YES |
| Integrated reporting manager | YES | NO | YES | YES | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO | YES | YES | YES |
| Web dashboard | YES | NO | YES | YES | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO | YES | YES | YES |
| Reporting engine and analytics | YES | NO | YES | YES | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO | YES | YES | YES |
| Custom/user-defined reports | YES | NO | YES | YES | YES | YES | YES | NO | NO | NO | YES | YES | YES | NO | YES | YES | YES |
| Reports publishing | YES | NO | YES | YES | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO | YES | YES | YES |
| Performance trend reporting | YES | NO | YES | YES | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO | YES | YES | YES |
| Scheduled report generation | YES | NO | YES | YES | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO | YES | YES | YES |
| Export reports to multiple formats | YES | NO | YES | YES | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO | NO | YES | NO |
| 1 year data storage | YES | NO | YES | YES | YES | YES | YES | YES | NO | NO | YES | YES | YES | NO | YES | YES | YES |
| SMS notification | YES | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | YES | NO | NO |
| Critical quality trends reports | YES | NO | YES | YES | YES | YES | YES | YES | YES | NO | YES | YES | YES | YES | YES | YES | NO |
| Real Page/Browser view | YES | YES | YES | YES | YES | YES | YES | YES | NO | NO | NO | NO | NO | NO | NO | NO | NO |
| HTML (Response) view | YES | YES | YES | YES | YES | YES | YES | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO |
| Performance metrics | YES | NO | NO | NO | NO | NO | NO | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES |
| Performance monitoring | YES | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | YES | YES | YES |
| Transaction monitoring | YES | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | YES | YES |
| Application monitoring | YES | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | YES | YES | YES |
| Test scheduler | YES | NO | NO | YES | YES | YES | YES | YES | YES | NO | YES | YES | YES | YES | YES | YES | YES |
| *Integration with 3rd party tools* | | | | | | | | | | | | | | | | | |
| Integration with reporting tools | YES | NO | NO | YES | NO | YES | YES | NO | NO | YES | NO | NO | NO | NO | NO | NO | NO |
| Source control systems integration | YES | YES | NO | NO | NO | NO | YES | YES | YES | NO | NO | NO | NO | NO | NO | NO | NO |
| Integration with test case management systems | YES | NO | YES | YES | NO | YES | YES | YES | YES | NO | NO | NO | NO | NO | NO | NO | NO |
| Bug tracking systems integration | YES | YES | YES | YES | NO | YES | YES | YES | NO | NO | NO | NO | NO | NO | NO | NO | NO |
| Project management system integration | YES | NO | YES | YES | NO | YES | YES | YES | NO | NO | NO | NO | NO | NO | NO | NO | NO |
| Build/CI server integration | YES | YES | YES | YES | YES | YES | YES | YES | NO | NO | NO | NO | NO | NO | NO | NO | NO |
| **Fastest & Easiest Setup and Deployment** | | | | | | | | | | | | | | | | | |
| *Codeless Automation* | | | | | | | | | | | | | | | | | |
| Codeless automation test setup | YES | NO | NO | NO | NO | NO | NO | YES | YES | NO | YES | YES | YES | NO | YES | YES | NO |
| MIX execution | YES | NO | NO | NO | NO | NO | NO | YES | YES | NO | YES | YES | YES | YES | NO | NO | NO |
| Pause load test execution | YES | NO | NO | NO | NO | NO | NO | YES | YES | YES | YES | YES | YES | YES | NO | NO | NO |
| Reuse tests on multiple test environments | YES | NO | NO | YES | NO | NO | NO | YES | YES | YES | NO | NO | NO | NO | YES | YES | NO |
| Page elements/DOM access | YES | YES | YES | YES | YES | YES | YES | NO | NO | NO | NO | NO | NO | NO | YES | NO | NO |
| Tests reuse | YES | NO | YES | YES | YES | YES | YES | YES | YES | NO | YES | NO | NO | NO | NO | NO | NO |
| *Rapid Codeless Support for Web Development Tools* | | | | | | | | | | | | | | | | | |
| Popular Javascripts (e.g. - Angular, Ember, etc) | YES | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | YES | NO |
| Popular Dev Frameworks (e.g. - Java, .Net, Python, DevRxpress, etc.) | YES | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | YES | NO |
| Popular CMS/CRM/ERP | YES | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO |
| *Cloud Based* | | | | | | | | | | | | | | | | | |
| Cloud-based deployment | YES | NO | YES | NO | YES | YES | YES | NO | NO | NO | YES | YES | NO | YES | YES | YES | YES |
| Team collaboration | YES | NO | YES | YES | NO | NO | YES | YES | NO | NO | NO | YES | NO | NO | YES | YES | YES |
| Out-of-the-box report distribution and sharing | YES | NO | YES | YES | YES | YES | YES | YES | NO | NO | NO | YES | NO | NO | YES | YES | YES |
| *Zero to little learning curve* | | | | | | | | | | | | | | | | | |
| Complex response validation | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | NO | YES | YES | YES | NO | NO |
| Quick script editor | YES | NO | NO | YES | YES | YES | YES | NO | YES | YES | YES | NO | YES | YES | NO | NO | NO |
| Conditional logic | YES | NO | YES | YES | YES | YES | YES | YES | YES | YES | YES | NO | YES | YES | NO | NO | NO |
| Impact Analysis | YES | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | YES | NO | NO | NO | NO |
| Easy to use UI (Auto-Record Workflow) | YES | NO | YES | NO | NO | NO | NO | NO | NO | NO | YES | YES | NO | YES | NO | NO | NO |
| No duplication of critical assets | YES | NO | YES | YES | YES | YES | YES | YES | YES | NO | YES | NO | YES | NO | NO | NO | NO |
| Screenshot for every step | YES | YES | YES | YES | NO | YES | YES | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO |
| *Supports testers of all skills* | | | | | | | | | | | | | | | | | |
| Supports non-developers & developers | YES | NO | NO | NO | NO | YES | YES | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO |
| Built-in scroll actions | YES | NO | NO | YES | YES | YES | YES | YES | NO | NO | NO | NO | NO | NO | YES | YES | YES |
| Multiple verifications | YES | NO | YES | YES | YES | YES | YES | NO | NO | NO | YES | NO | NO | NO | YES | YES | NO |
| Keyword driven step creation | YES | NO | YES | YES | YES | YES | YES | YES | NO | NO | NO | NO | NO | NO | NO | NO | NO |
| User experience monitoring | YES | NO | NO | NO | NO | NO | NO | YES | NO | NO | NO | NO | NO | NO | YES | YES | YES |
| Familiar user environment | YES | NO | NO | NO | YES | YES | YES | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO |
| **Optimized for Web applications** | | | | | | | | | | | | | | | | | |
| *Broad Technology Coverage* | | | | | | | | | | | | | | | | | |
| Web site and web application support | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES |
| Javascript support | YES | YES | NO | NO | NO | NO | YES | NO | NO | NO | NO | NO | YES | NO | YES | YES | NO |
| Custom UI controls | YES | NO | YES | YES | YES | NO | YES | YES | NO | NO | NO | NO | YES | NO | YES | YES | YES |
| Scripting / Coding | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | NO | NO | NO |
| API testing | YES | NO | YES | YES | YES | NO | YES | NO | YES | NO | NO | NO | NO | NO | NO | NO | NO |
| Dialogue handling (New Window, New Tab, Modal) | YES | YES | YES | YES | YES | YES | YES | YES | YES | NO | NO | NO | NO | NO | NO | NO | NO |
| Desktop commands | YES | YES | YES | YES | YES | NO | YES | YES | NO | NO | NO | NO | NO | NO | NO | NO | NO |
| Nested elements | YES | NO | YES | YES | YES | YES | YES | NO | NO | YES | NO | YES | NO | YES | NO | YES | NO |
| Data encryption | YES | NO | YES | YES | YES | YES | YES | YES | YES | NO | YES | YES | YES | NO | YES | YES | YES |
| Protocol support | YES | NO | NO | NO | NO | NO | NO | YES | YES | YES | YES | YES | YES | YES | NO | NO | NO |
| Automated cookie management | YES | NO | NO | NO | NO | NO | NO | YES | YES | YES | YES | YES | YES | YES | NO | NO | NO |
| Caching | YES | NO | NO | NO | NO | NO | NO | YES | YES | YES | YES | YES | YES | NO | NO | NO | NO |
| Test Execution on Windows/Linux | YES | YES | NO | YES | YES | YES | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO |
| Full HTTP headers view | YES | NO | NO | NO | NO | NO | NO | YES | YES | YES | YES | YES | YES | YES | NO | NO | NO |
| *Data Driven Testing* | | | | | | | | | | | | | | | | | |
| Data correlation of dynamic values | YES | NO | NO | NO | NO | NO | NO | YES | YES | YES | YES | YES | YES | NO | NO | NO | NO |
| Parameterization | YES | NO | NO | NO | NO | NO | NO | YES | YES | YES | YES | NO | YES | YES | NO | NO | NO |
| *Extended Test Coding* | | | | | | | | | | | | | | | | | |
| Extend recorded tests with code | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | NO | NO | NO | NO | NO |
| *Smart AJAX Synchronization* | | | | | | | | | | | | | | | | | |
| Automatic waiting for AJAX and Pageloads | YES | NO | NO | YES | YES | YES | YES | NO | NO | NO | NO | YES | NO | NO | YES | YES | NO |
| **MOST Comprehensive and FASTEST Testing** | | | | | | | | | | | | | | | | | |
| *Most powerful test recorder* | | | | | | | | | | | | | | | | | |
| Smart resilient accessors /locators | YES | NO | YES | YES | YES | NO | YES | NO | NO | NO | NO | NO | NO | NO | YES | NO | NO |
| Playback reliability | YES | NO | NO | YES | YES | YES | NO | YES | NO | YES | NO | YES | NO | NO | YES | NO | NO |
| Built-in page element identification | YES | NO | YES | NO | NO | NO | YES | NO | NO | NO | NO | NO | NO | NO | YES | NO | NO |
| Built-in DOM explorer | YES | NO | YES | YES | YES | YES | YES | NO | NO | NO | NO | NO | YES | NO | YES | NO | NO |
| *Measure and track real user experience* | | | | | | | | | | | | | | | | | |
| Real user data | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | NO | YES | NO | YES | NO | YES | NO |
| Real time view of all performance measurements | YES | NO | NO | NO | NO | NO | NO | YES | YES | YES | YES | YES | YES | YES | NO | NO | NO |
| Load testing in Real Browsers | YES | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | YES | NO | NO | NO | NO | NO |
| Monitoring in Real Browsers | YES | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO |
| *API Extensibility* | | | | | | | | | | | | | | | | | |
| API invocation from an automated test | YES | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO |
| *Support for Open Source Tools* | | | | | | | | | | | | | | | | | |
| Export to Selenium | YES | YES | NO | YES | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO |
| Export to JMX | YES | NO | NO | NO | NO | NO | NO | NO | NO | YES | NO | YES | NO | YES | NO | NO | NO |
| *Elastic Scalability with Fast Parallel Testing* | | | | | | | | | | | | | | | | | |
| Auto scale based on test executions | YES | NO | NO | NO | NO | NO | NO | NO | NO | NO | YES | YES | NO | NO | YES | YES | YES |
| Distributed execution/Execution agents | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | NO | YES | YES | YES |
| Multi-tenancy Supported | YES | NO | NO | NO | NO | NO | NO | NO | YES | NO | YES | NO | YES | NO | YES | YES | YES |
| Architectural high availability | YES | NO | YES | YES | YES | NO | YES | YES | YES | NO | YES | YES | YES | YES | YES | YES | YES |
| Elastic scalability | YES | NO | NO | NO | NO | NO | NO | NO | NO | NO | YES | YES | NO | NO | YES | YES | YES |
| Fast execution | YES | YES | NO | NO | NO | NO | YES | NO | NO | YES | YES | YES | NO | YES | YES | YES | YES |
| Out-of-the-box failover capabilities | YES | NO | YES | YES | YES | NO | YES | YES | YES | NO | YES | YES | YES | YES | YES | YES | YES |
| Global load injectors | YES | NO | NO | NO | NO | NO | NO | YES | YES | YES | YES | YES | YES | NO | NO | NO | NO |
| Distributed load tests | YES | NO | NO | NO | NO | NO | NO | YES | NO | YES | YES | YES | YES | YES | NO | NO | NO |
| **Price Performance LEADER** | | | | | | | | | | | | | | | | | |
| *Infrastructure Requirements* | | | | | | | | | | | | | | | | | |
| Test from anywhere | YES | NO | NO | NO | NO | NO | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES |
| No test lab on-premise | YES | NO | NO | NO | NO | NO | NO | NO | NO | NO | YES | YES | NO | NO | YES | YES | YES |
| *Consumption based pricing model* | | | | | | | | | | | | | | | | | |
| Subscription licensing | YES | NO | YES | YES | YES | YES | YES | YES | YES | NO | YES | YES | YES | NO | YES | YES | YES |
| SaaS Platform | YES | NO | NO | NO | NO | NO | YES | YES | NO | NO | YES | YES | NO | NO | YES | YES | YES |
| On-premise solution | YES | YES | YES | YES | YES | YES | NO | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES |
| Flexible per-node licensing | YES | NO | YES | YES | YES | YES | YES | YES | YES | NO | YES | YES | YES | NO | YES | YES | YES |
| Hybrid deployment packages | YES | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | YES | YES | YES |
| Annual plans | YES | NO | YES | YES | YES | YES | YES | YES | YES | NO | YES | YES | YES | NO | YES | YES | YES |
| *Expert level (tier 2,3) support in first call* | | | | | | | | | | | | | | | | | |
| On-demand inhouse support experts | YES | NO | YES | YES | YES | YES | NO | YES | YES | NO | YES | YES | YES | NO | YES | NO | NO |
| Expert level (tier 2,3) support on first call | YES | NO | YES | YES | YES | YES | NO | YES | YES | NO | YES | YES | YES | NO | YES | NO | NO |
| Phone support | YES | NO | YES | YES | YES | YES | YES | YES | YES | NO | YES | YES | YES | NO | YES | YES | YES |
| Email support | YES | NO | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | NO | YES | YES | YES |
| Extensive help documentation | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES |
| Implementation assistance | YES | NO | YES | YES | YES | YES | YES | YES | YES | NO | YES | YES | YES | NO | YES | YES | YES |
| Adoption training | YES | NO | YES | YES | YES | YES | YES | YES | YES | NO | YES | YES | YES | NO | YES | YES | YES |
| Support available | YES | NO | YES | YES | YES | YES | YES | YES | YES | NO | YES | YES | YES | YES | YES | YES | YES |

Note: All data based on publicly available information as of 12/17. All names and copyrights remain the property of their respective owners.