

Evaluation of GUI test tools for Java Swing



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Realization: Olav Krapp and Matthias Besemer, SBE network solutions GmbH, Heilbronn

Products tested: Borland SilkTest, Froglogic Squish, QFS QF-Test, Marathon

Conclusion: The decision fell in favour of „QF-Test“ by QFS.

Justification: The main reason for this decision is the fact that QF-Test is much less developer-oriented than the other products. However, QF-Test still grants the necessary and also sufficient flexibility regarding changes in the GUI in test. Another decisive advantage of QF-Test to be mentioned is its clearly arranged view and its - after some (although slightly longer) familiarization - also intuitive interface. The display of the test results and the available reports completed the overall impression positively.

Product	Borland SilkTest	Froglogic Squish	QFS QF-Test	Marathon
Advantages	<ul style="list-style-type: none"> ▪ smooth support of obfuscating ▪ web testing already integrated ▪ screenshots can easily be recorded ▪ comprehensive integration in requirements-based testing / test management ▪ extensive tutorials, documentation and support 	<ul style="list-style-type: none"> ▪ component picker for e.g. verification ▪ unlimited Linux support ▪ user has not to be logged in for testing on remote computers ▪ utilization of common script languages ▪ three runtime licenses included in a user license ▪ extensive tutorials, documentation and support ▪ web testing available (though as a separate edition with additional cost) 	<ul style="list-style-type: none"> ▪ non-developer-oriented solution* (though very flexible) ▪ modern looking and basically user-friendly user interface (very clear-structured display of test suites, tests and other items) ▪ unlimited Linux support ▪ dependencies to avoid redundancies ▪ component picker for e.g. verification ▪ smooth support of obfuscating ▪ connection to SBE application without problems ▪ screenshots can easily be 	<ul style="list-style-type: none"> ▪ available at no charge ▪ open source software ▪ component picker for e.g. verification ▪ connection to SBE application without problems

			<ul style="list-style-type: none"> recorded ▪ reports for the test results ▪ floating license included ▪ extensive tutorials, documentation and support 	
Disadvantages	<ul style="list-style-type: none"> ▪ developer-oriented solution* ▪ outdated appearing user interface, handling not very intuitive ▪ only limited Linux support (RedHat Enterprise) ▪ connection to SBE application faulty ▪ utilization of a proprietary script language ▪ user must be logged in for testing on remote computers ▪ expensive runtime license ▪ floating licenses for additional charge only 	<ul style="list-style-type: none"> ▪ developer-oriented solution* ▪ outdated appearing user interface, handling partially laborious (e.g. forced naming of test cases) ▪ connection to SBE application faulty ▪ no simple support of obfuscating ▪ no easy provision of screenshots in case of errors ▪ cumbersome concept of „verification points“ (no renaming possible, redundancy) ▪ renaming of symbolic component names is very laborious, manual interaction necessary ▪ limited integration in test management ▪ floating licenses for additional charge only 	<ul style="list-style-type: none"> ▪ slightly raised familiarization effort regarding handling, some icons aren't very intuitive ▪ web testing not yet available (announced as separate edition at additional costs) ▪ user must be logged in for testing on remote computers ▪ limited integration in test management 	<ul style="list-style-type: none"> ▪ developer-oriented solution* ▪ product obviously not mature ▪ web testing not available ▪ documentation and support not on sufficient level
Product	Borland SilkTest	Froglogic Squish	QFS QF-Test	Marathon

*Remark: A developer-oriented solution (mainly script-based) is not necessarily a disadvantage, but we have been looking for a product usable without advanced programming skills if possible.