Silk Mobile Testing

Demand for mobile devices is massive and growing. There are now more than 2bn smartphones in use worldwide and mobile usage has now eclipsed desktop usage. Customers expect their mobile and desktop experience to be identical, with flawless functionality and performance no matter which device, browser, connection speed or location. Testing mobile applications has never been more complex and difficult to test at scale. To keep pace with user demands, businesses must accelerate delivery of new capabilities, putting additional pressure on development and test teams.

Product Overview

How Silk Mobile Testing Can Help

The Micro Focus® Silk Mobile™ Testing solution leverages the strength and breadth of the Silk Portfolio to deliver a powerful mobile testing platform that puts the customer experience at the center of test activity. Silk Mobile Testing helps test teams efficiently create, manage, and maintain functional and load tests to accelerate time to market and ensure a seamless mobile experience for customers who expect nothing less.

Silk Mobile Testing supports all the major mobile platforms, including iOS and Android. Test teams standardize validation activities on a single solution, without needing multiple testing tools for different applications. Because performance tests are run on real devices as well as simulators and emulators, tests replicate the genuine user experience.

Optimized Test Creation

Mobile testing begins with the creation of functional tests that capture every nuance of the user experience, while clear and complete test plans increase the speed and quality of the testing process. The diverse range of test creation options means all stakeholders can contribute to test design, regardless of technical skillset. Business and technical teams work in partnership to ensure test coverage of the full range of customer usage patterns.

Using the innovative recorder, testers can create tests in minutes. Test are represented visually so no coding skills are required, or as actual Java/.NET scripts to enable developer-powered functions such as debugging or refactoring. Silk Mobile Testing separates test design from implementation to optimize productivity among a diverse set of contributors.

Performance Testing at Scale

Digital retail spending is currently running at around $1 of every $7 and smartphones are increasingly used to make these purchases. Your digital front office must be stress tested on mobile devices, and understanding the user experience prior to global rollout is essential. Use powerful, end-to-end diagnostics to measure transaction performance and identify the root cause of application performance problems. Avoid costly investments in testing infrastructure and related setup costs by

Supported Environments

<table>
<thead>
<tr>
<th>Browser technologies</th>
<th>• AJAX (ExtJS, jQuery), HTML5, DHTML</th>
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<tbody>
<tr>
<td>Mobile Web browsers</td>
<td>• Safari on iOS</td>
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*For version details please check the current release notes

Silk Mobile Testing to performance test mobile web and mobile native applications at scale.

Testing any type of mobile and application configuration from the same intuitive tool lowers the cost and complexity of testing hundreds of user profiles. Anticipate the true user experience with performance testing that simulates realistic scenarios across multiple devices, network bandwidths, and geographic location combinations. Further enhance the test environment by simulating diverse regional differences, network carriers and user behaviors.

Figure 1. Create tests in minutes

Data Sheet

Silk Mobile
harnessing the power of the Cloud for global peak load tests or functional tests across mobile configurations.

Support for Rapid Release Cycles
The pace of release cycles continues to increase and the testing process can be compromised for the sake of rapid delivery. Test teams must find ways to enhance productivity to maintain application quality in the context of accelerated delivery, and Silk Mobile Testing delivers.

Silk Mobile Testing is a ‘record once, replay everywhere’ environment, helping test teams to rapidly build cross platform automation tests. Verifying the functionality of the most advanced mobile web, native or hybrid application across multiple supported browsers and devices is easier with a single, portable test script. Create test scripts once and execute them against all supported browsers, without the need to invest time in understanding browser specifics.

Test Automation
Developers need precise feedback from the testing process deliver to quickly root-cause application issues. Automated tests from Silk Mobile Testing are executed quickly and consistently across mobile devices so test teams can rapidly identify and document QA problems across hundreds of mobile configurations. Screenshots, videos and status reports track every aspect of test execution on any device. Developers use their preferred tool, as IDE integrations support current tools and processes without disruption.

Central Management Hub
Distributed test teams and version variants add to the complexity of tracking test assets. The Silk Mobile Testing central management hub coordinates and manages all mobile test assets, including tests, configurations and results. Accelerate the process by launching parallel automated test runs across the full range of mobile test configurations, fully embedded into a Continuous Delivery workflow.

Key Benefits
The Silk Mobile Testing solution uses the strength of the Silk portfolio to accelerate the speed of mobile testing, ensure a consistent user experience and lower the complexity of testing hundreds of device combinations.

- Ensure a consistent user experience anytime, anywhere, and on any device.
- Use test automation and process efficiency to accelerate the speed of testing.
- Facilitate collaborative test design, regardless of technical skillset.
- Lower the cost and complexity of testing hundreds of user configurations.
- Embed testing into Continuous Delivery workflows.
- Leverage the Cloud to support load and functional testing at scale.

Silk Test Mobile
www.borland.com/en-GB/Products/Software-Testing/Automated-Testing/Silk-Test
Build functional and reliable test automation across platforms and devices.

Silk Performer™
www.borland.com/en-GB/Products/Software-Testing/Performance-Testing/Silk-Performer
Build performance and load testing automation that represents users across the globe on their devices, platforms and network of choice.

Silk Central™
www.borland.com/en-GB/Products/Software-Testing/Test-Management/Silk-Central
Unified platform to design, plan, execute and track all functional and performance testing practices across devices and platforms.