

Kobiton Scriptless Automation

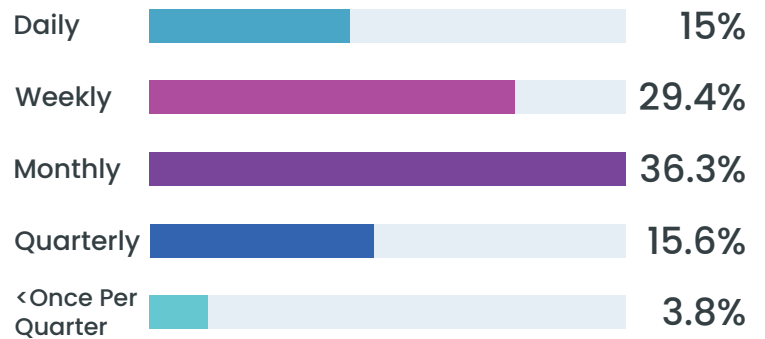
Go from manual to automated more than 10x faster

Automation: Necessary, but almost impossible to scale

With the market for mobile growing at the pace it is, the ability to deliver a great mobile experience both at high quality and rapid speed is crucial. Companies have caught on, and the war for mobile hyperspeed is raging. However, there are still clear differences between higher and lower performers.

When surveying organizations of over 500+ employees, we found that there was serious variability in delivery frequency. As a result, test automation has become a major priority and is being implemented market-wide to try and speed up delivery of innovation while also improving quality and customer experience. However, there are a few major challenges that Mobile-first teams face—and these have real business implications.

How often do you release app updates?



Challenges

CODE COMPLEXITY

Developing test scripts for Mobile is a complex and lengthy process.

MAINTENANCE ACROSS RELEASES

With every release comes changes to your UI—resulting in broken test scripts to maintain.

STABILITY

Teams lack stable test environments with predictable data.

DEVICE FRAGMENTATION

Teams struggle to make test automation work across a variety of different devices and form-factors—causing gaps in quality for a mobile-diverse customer base.

Business implications

Delivery is slowed and manual testing is costly.

Delivery is kept behind and market share is lost.

Poor customer experience and costly deployment options.

Defects leak into the hands of users for a poor customer experience that results in app abandonment, lost revenue, and poor brand reputation.

Enter Kobiton Scriptless Automation

Finally, automated Continuous Testing for mobile

Harness the power of the NOVA AI Engine, and make “Continuous Testing” more than a buzzword.

“Write” once. Run everywhere.

NOVA converts a single captured manual process and creates an automated test script that can run across your library of “cloudified” real devices—with no scripting required.

Declare a war on flake

Say goodbye to flaky test scripts with AI-based adaptation and self-healing.

Real devices + Data-driven testing

Parameterize your tests with mock data to make sure you test for every scenario, and run automated tests on Cloud-based and on-premises real devices.

It’s your code

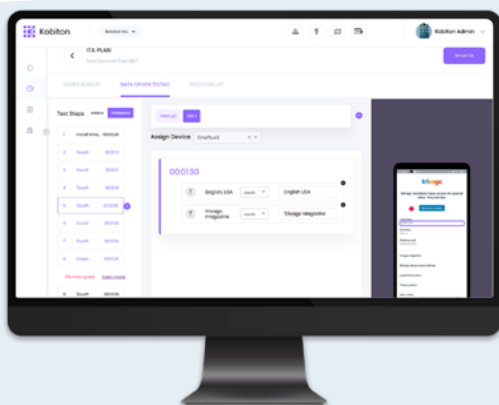
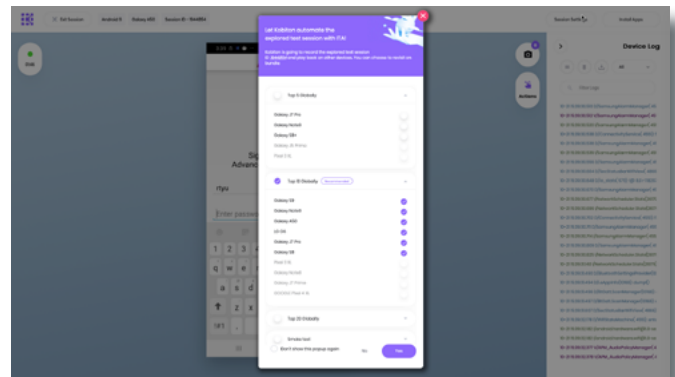
Use it how you want. Kobiton generates 100% open-standard Appium code for easy export, CI/CD integration, and more.

Kobiton gives your team AI super powers

The benefits of Kobiton’s scriptless automation

AI-based flexibility

Device fragmentation is no match for NOVA’s flexibility. Easily create automated test scripts directly from your manual test sessions and execute them on hundreds of iOS and Android devices simultaneously.



Test faster—and go home earlier— with Data-driven testing

Parameterize your scriptless automation with customizable data sets and values without having to rescript (or manually retest) for every single scenario. Add assertions so that you can test for dynamic scenarios and always make sure that your tests are being executed properly.

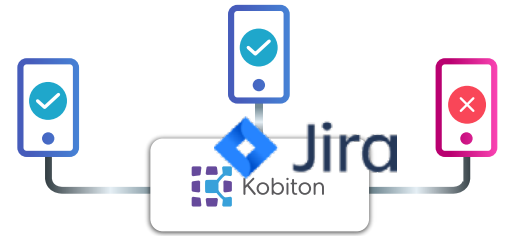


The war on flake... and on “NoSuchElementException”

Our machine learning technology means no more finding elements by xpath only to have them change across device manufacturers! Say goodbye to “NoSuchElementException” exceptions and hello to self-healing test scripts. And our human in the loop allows you to quickly remediate app functionality changes to effortlessly update your test scripts.

Automatic crash detection

Quickly replay your test on hundreds of devices to find crash scenarios. Use our built-in integration with your defect management system to automatically create a ticket—with the debug session attached.



Session Explorer

Ditch the old, time consuming “screenshot after screenshot” process when trying to debug your application. After the NOVA AI Engine finishes executing tests for you, use Kobiton’s Session Explorer to pinpoint exactly where your application starts to fail, and easily share those points of failure with our deep links and/or Jira integration.

Functional testing—and visual—at scale

With full support for a variety of assertions, your test scripts can be as simple as checking your app layout on hundreds of devices, finding hard to replicate crash scenarios, performing complex functional logic tests, to finding minute color and text differences between the same app on different devices.

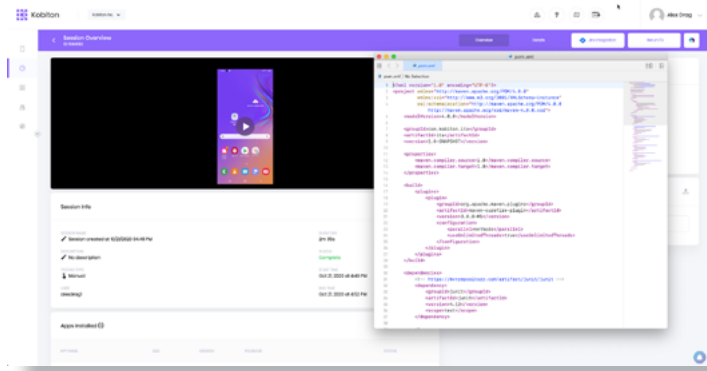
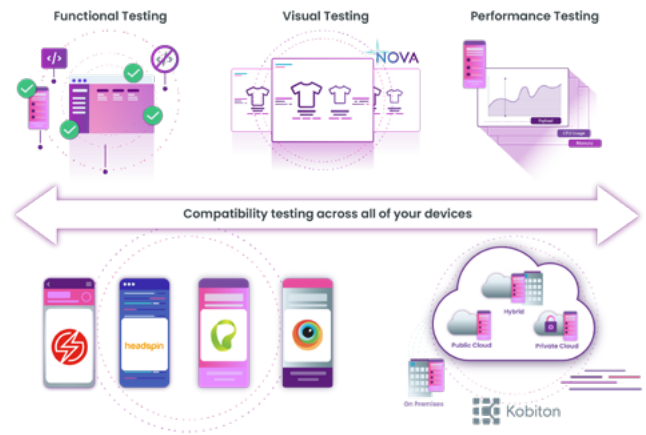


Openness: NOVA-infused Appium

Make the NOVA AI Engine portable and inject Visual Assertions and flexibility into your already-existing Appium scripts with a simple change to your Kobiton Desired capabilities. That’s right: it’s that easy to turn that Appium Functional Test into a Visual Test.

Openness: BYODLM

Kobiton's "bring your own device lab management" approach means that you can use NOVA as your "AI-layer-on-top" of existing real device infrastructure. Run AI-driven scriptless tests against devices hosted in Kobiton, Sauce Labs, and more!



Open Appium Export

Kobiton gives you 100% open standard Appium code. This means you can take that script and export it for customization, integrate it into your CI/CD pipeline, or even sell it—no questions asked. After all, it's your code. Use it how you want.



But don't just ask us.

Our customers love Kobiton.

// *For me, what's next is getting our teams to the next level. Delivering high-business value to our market faster. Getting them to AI, letting our automation grow to actually learn how their users are utilizing it."*

-Crystal Escalante, VP of IT Process and QA, GreenSky

Interested in giving your mobile app a shot of awesome? We are, too.

Contact us today at info@kobiton.com or through our website at www.kobiton.com for more information on requesting a demo or free trial.