

Building a Scalable Mobile QA Toolkit

Want to scale your mobile QA testing strategy? Selecting the right test execution method is half the battle. The most effective teams use a combination of several mobile testing tools and execution methods to optimize for both quality and speed.

Testing Automation

Automated testing is the gold standard of execution speed and long-term costs -- as long as your test cases aren't brittle or flaky. To use it most effectively, automate only stable tests.



Best Used For:
Stable test cases in production

Device Farm Testing

Device farms provide access to a large pool of real mobile devices remotely, offering the ability to test key functionality quickly and at scale.



Best Used For:
Highly repetitive functional and UI tests

Virtual Machines

Emulators perform functional tests rapidly during development, when you need fast feedback most, making it the perfect workhorse for frequently-changing functional test cases.



Best Used For:
Functional tests during development

Device In Hand

Testing on real devices in hand -- the traditional manual method -- provides the highest fidelity user experience testing, but it is also the most resource-intensive and slowest method for test execution.



Best Used For:
Hardware testing and UX testing