

mAutomate: Test Mobile Apps on Multiple Devices, Networks and Locations Automatically

To take a mobile app from potential to profitability, you need not just a promise, but proof of performance – on all popular devices, on every network, and any location around the world. Truth is, testing is the business-critical last mile on the road to success.

Manual Testing Can't Meet Marketplace Demands

Testing matters, but manual testing for every combination of platforms, devices, locations and network providers is no simple matter, because of:

- Multiple OS versions, hardware configurations and interface layers
- Network variability, not just across different providers, but across different geographies
- Increased vulnerability resulting from growing app sophistication – multi-site testing is a must-have for ensuring the functionality of GPS and other location-dependent features

Factor in the need for exact standardization, and the undesirable exposure to human error that comes with high-touch processes, and manual testing cannot pass the test for ensuring product quality in a timely and cost-effective manner.

mAutomate Makes Testing a Positive Part of Your Process

Designed with the unique challenges of mobile apps in mind, mAutomate automates testing in the cloud using real mobile devices – without rooting or jailbreaking – running on real provider networks. With mAutomate, testing is no longer an expensive chore, but is an active contributor to development. Here's why:

Object-level Comparison: Instead of returning screen images that require manual interpretation, mAutomate runs object comparisons that automatically record activities (clicks, views, functions, etc.) and reports success or failure.

Private Cloud for Security and Speed: Once installed, mAutomate is open to all authorized personnel in your organization, anywhere, but closed to everyone else. Your tests will never be queued behind other clients.

One Test, Many Devices: Run tests on multiple devices simultaneously – no delays, no waiting.

Automated Integration: mAutomate becomes part of your continuous integration environment, automatically testing every new application build, with the test variations you want, on all the devices you need.

Performance Reports: mAutomate goes beyond capturing success/failure rates to record app impact on CPU, memory, network and battery usage.

mAutomate at a Glance

Easy to Use	<ul style="list-style-type: none">• Easy interface for a short learning curve• Automation and scheduling features• Record once, Run multiple times• Instant addition of assertions and regressions using web interface
Any Device, Any Location	<ul style="list-style-type: none">• User-owned device cloud for authorized access, anywhere• Auto-installation of apps on remote devices without rooting or jailbreaking
Multiple Platforms	<ul style="list-style-type: none">• iOS 4.0 and later• Android SDK 2.3 and later• Mobile Web (Android/iOS browsers)• Hybrid applications (Android devices)
Development Integration	<ul style="list-style-type: none">• Easy interface for a short learning curve• Automation and scheduling features make multiple testing iterations convenient and cost-effective• Provides Excel import/export, integrates with Hudson/Jenkins CI, Bugzilla and Quality Center to work seamlessly with your existing tools
Superior Reporting	<ul style="list-style-type: none">• Object comparison captures actions, success/failure rates• Captures performance data on CPU, memory, network and battery usage• Detailed descriptions of failure

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