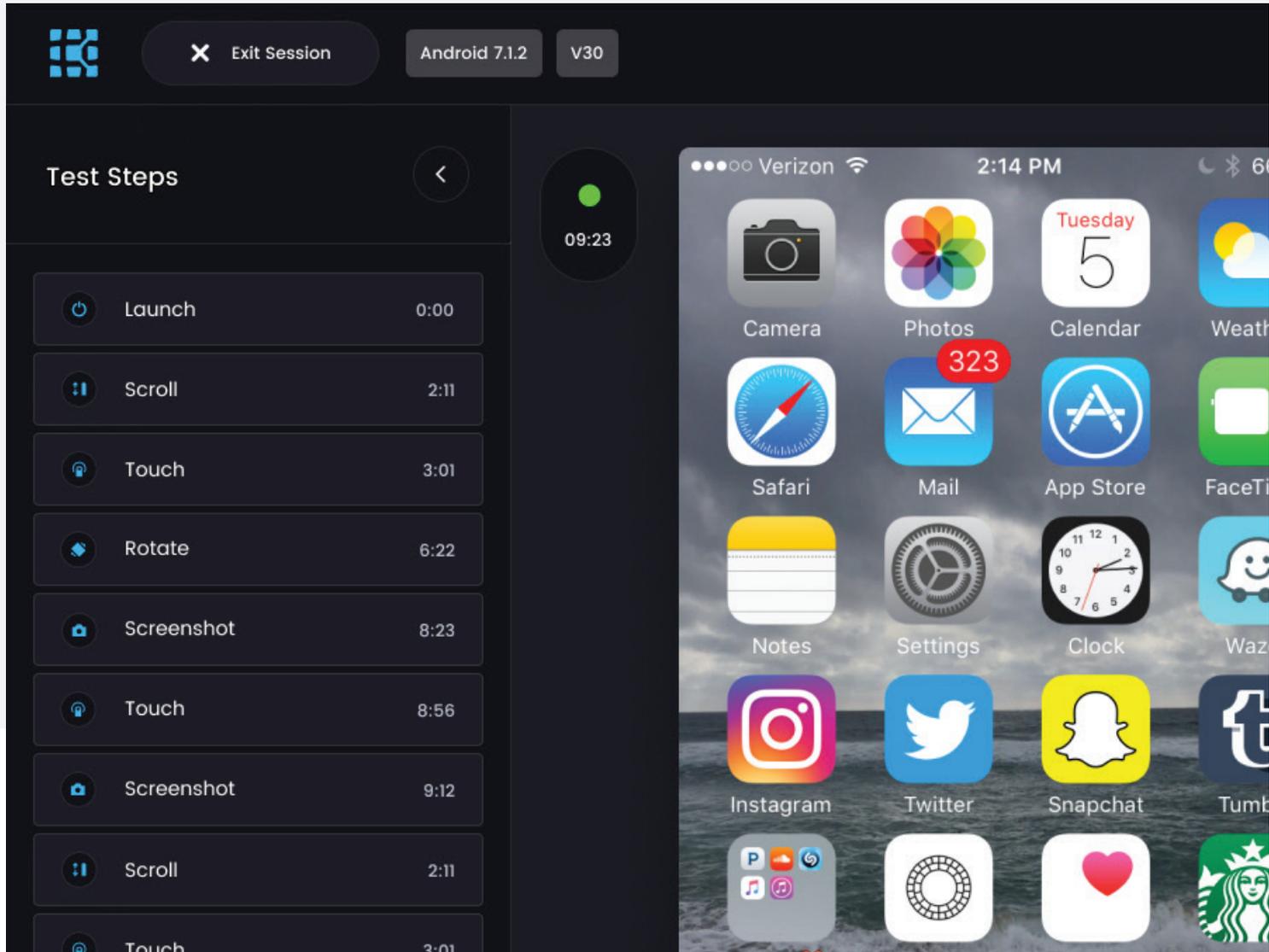# 75 Kobiton Features

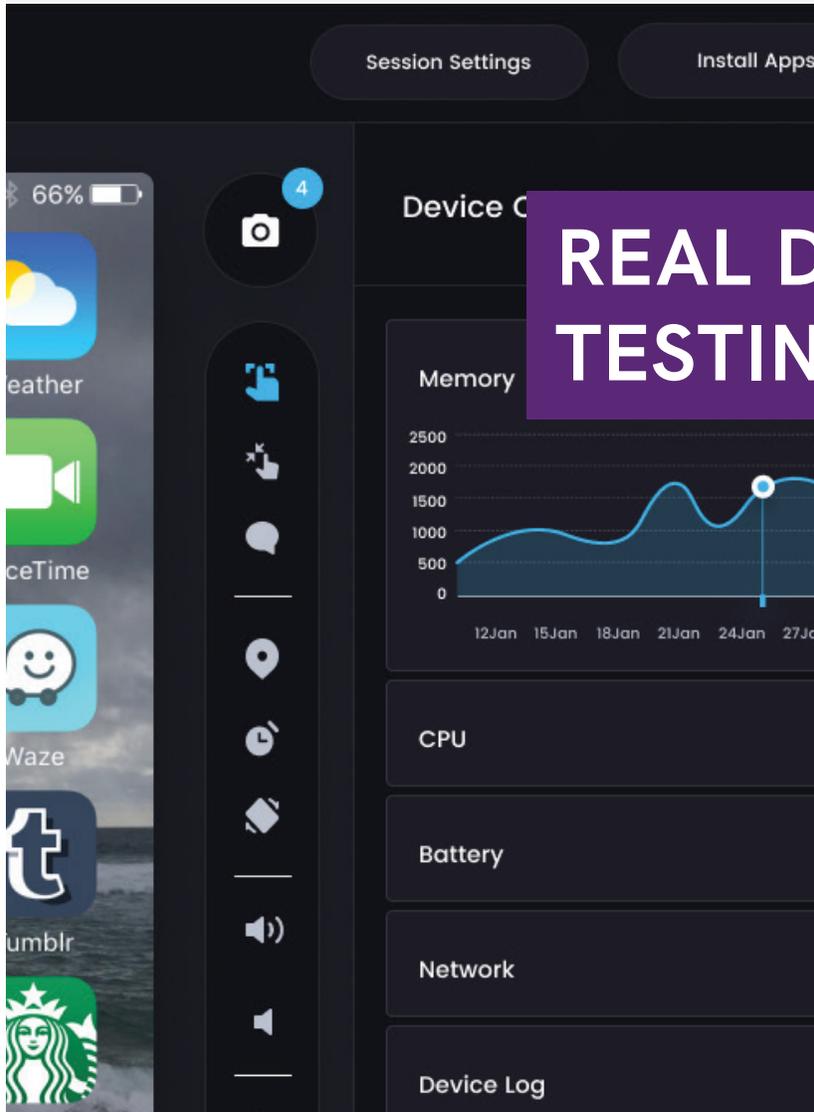# 75 KOBITON FEATURES

1. REAL-DEVICE TESTING

Test on the Real Devices you want, when you need them. Get the most accurate results by testing mobile and web applications on the latest devices. Go beyond emulators to get the most insight into the real user experience.

2. ANDROID SUPPORT

The Android ecosystem is particularly fragmented with a large number of device manufacturers. Kobiton provides instant access to all the Android devices you need to ensure full depth and breadth of market coverage.

3. iOS SUPPORT

Testing on iOS devices requires not just testing on a range of models but also on older iOS operating system versions. Kobiton lets you easily select a device and operating system combination for your test needs.

REAL DEVICE TESTING

6. PUBLIC CLOUD

Test on devices you don't have with the Kobiton Public Cloud. Have instant access to over 350+ shared iOS and Android devices to use for manual or automated testing.

7. PRIVATE CLOUD

Need dedicated devices reserved exclusively for you? Add private devices to your test cloud and enjoy unlimited minutes. Private devices allow secure VPN access for pre-production releases or apps that access sensitive data.

4. PHONE SUPPORT

Test on all the phones currently representing most of the world-wide market.

5. TABLET SUPPORT

Tablets place increased demand on the quality assurance process with their larger form factors and need for more thorough UI testing. And with newer tablets running their own dedicated operating systems, the need for testing on tablets is more important than ever.
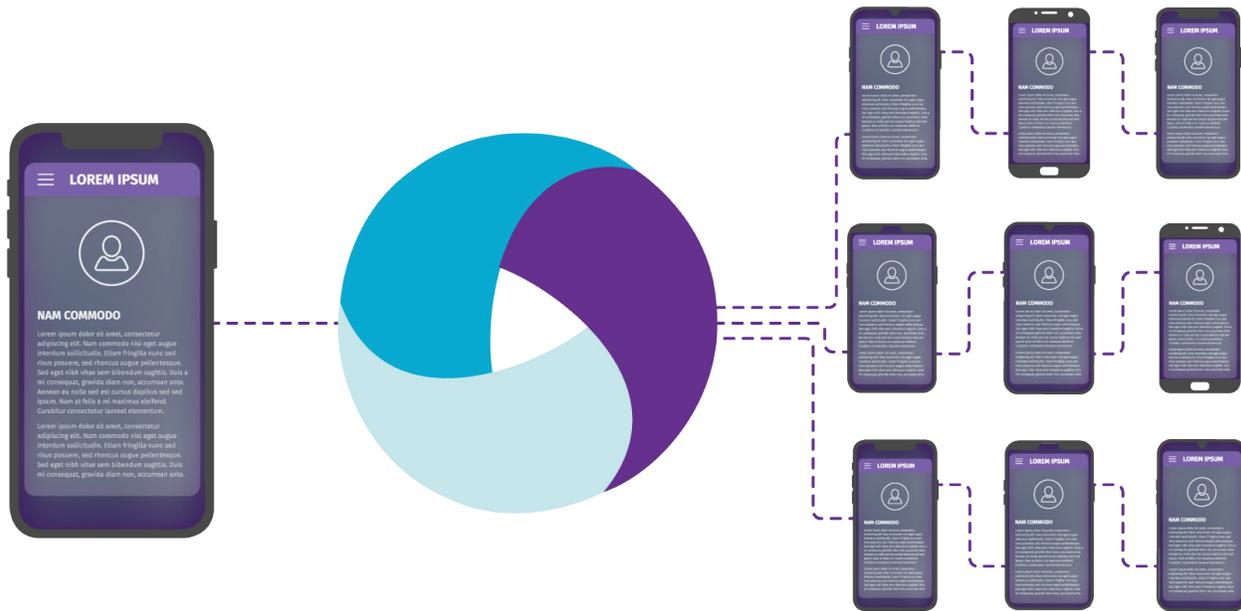
8. LOCAL LAB

Already have iOS and Android devices in-house? Incorporate them into your test cloud and provide anywhere access with shareable testing activity. Connect the 10 devices in the San Diego office with the 8 devices in London, and enjoy the benefits of centralized administration and management.

9. HYBRID LAB

For a true unparalleled testing lab, combine your existing local devices with private cloud devices, and have access to our public devices for more expansive test coverage. Your entire test cloud is managed from one central platform with centralized logging, test execution and management.

SCRIPTLESS APPIUM AUTOMATION

10. ON-PREMISES DEPLOYMENT AVAILABLE

For ultra-sensitive environments, Kobiton can be deployed entirely behind your firewall with no outside access.

11. AUTOMATED TESTING

Enjoy the efficiency of parallel execution of your test scripts. Perfect for quick integration into your CI/CD process and near-instant results. For those looking for scriptless test automation, Kobiton offers Intelligent Test Automation for mobile test automation.

12. MANUAL TESTING

You can perform all the gestures you need to test on a real device. Tap, swipe, and scroll on a cloud device, simply and naturally. And our best in class performance and responsiveness allows you to test as if the device is in hand.

13. RECORD & PLAYBACK

Kobiton's Intelligent Test Automation makes automation testing accessible and scalable to teams of all sizes. Create Appium test scripts by recording your interaction with the App under test and easily replay your scripts on hundreds of devices. It's still Appium. Only Faster.

14. APPIUM SUPPORT

We provide comprehensive support for Appium, the leading tool for mobile automation. Reuse all your existing Appium scripts with ease.

15. SELENIUM SUPPORT

Build automated test scrips to test your mobile web applications using standard Selenium scripting.

16. APPIUM ANYWHERE

Appium Anywhere technology puts an end to brittle or flaky test scripts. Our machine learning technology means no more finding elements by xpath only to have them change across device manufacturers! Say goodbye to "NoSuchElement" exceptions thanks to self-healing test scripts.

17. FLEXIBLE ELEMENT IDENTIFICATION

For the utmost in automation flexibility, Kobiton let's you select the comparison level for element identification, such as "Exact", "Relaxed", "Strict" and more to cover a wide range of tolerances.

18. VISUAL VALIDATION

Nowhere is the need for visual perfection more important, and more challenging, than on mobile devices. Different form factors, device types, screen rotations, and operating systems wreak havoc on even the best designed Apps. Kobiton's ability to replay your test script on hundreds of devices with automatic visual anomaly detection lets you deploy your changes with confidence.

Session Overview	**Actions Performed**	Video

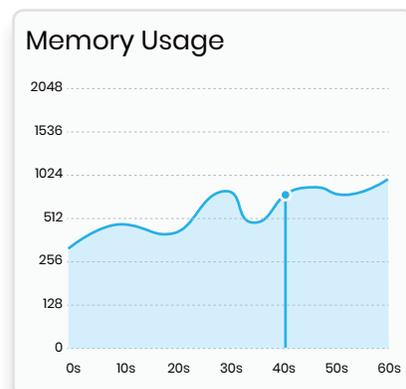| Step	Action	Timestamp
1	Swipe	📷 00:00:11
2	Touch	📷 00:00:17
3	Touch	📷 00:00:21
4	Type "www.kobiton.com" text	📷 00:00:29
5	Swipe	📷 00:00:40
6	Swipe	📷 00:00:41
7	Drag	📷 00:00:42
8	Swipe	📷 00:00:43
9	Swipe	📷 00:00:44
10	Swipe	📷 00:00:45
11	Swipe	📷 00:00:46

19. ROOT CAUSE ANALYSIS

Whether running manual or automated tests, Kobiton captures detailed logs including full video, screenshots, gestures performed and system metrics such as memory and battery performance. Easily replay scenarios to replicate issues and do true root cause analysis.

20. HUMAN-IN-THE-LOOP

Remediate critical blocking issues in your test execution through human-in-the-loop technology. Once the blocker is resolved, our self-healing test scripts will update and ensure the next test execution passes. It's AI that actually helps the tester!

21. MEMORY PERFORMANCE

Easily see which actions in your application under test are causing excessive memory consumption.
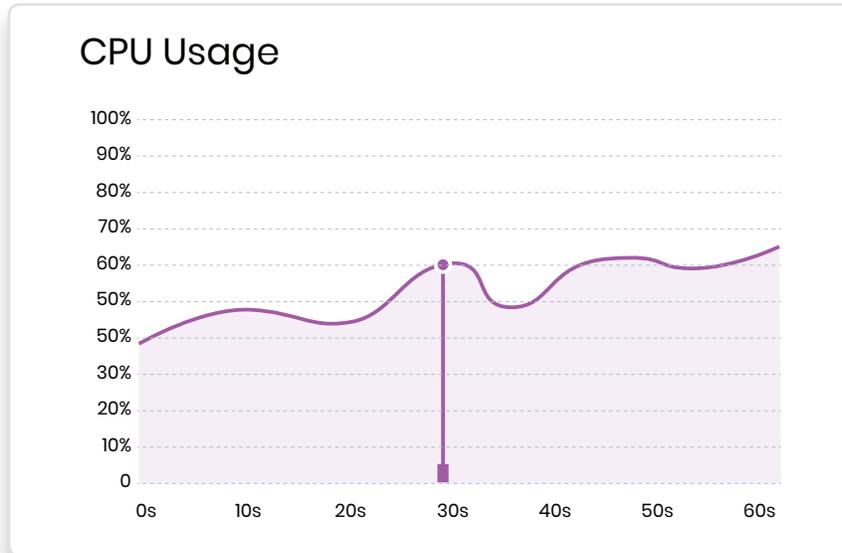

Memory Usage

22. CPU PERFORMANCE

The same application can cause unwanted CPU spikes on different device and operating system combinations. Easily identify which devices are experiencing heavy CPU load to pinpoint code optimization opportunities.

23. NETWORK ACTIVITY

Monitor network activity of your app on different devices under different scenarios, on both WiFi and Carrier networks.

CPU Usage

24. BATTERY PERFORMANCE

Ensure your app is a good citizen and doesn't disproportionately consume power on specific devices.
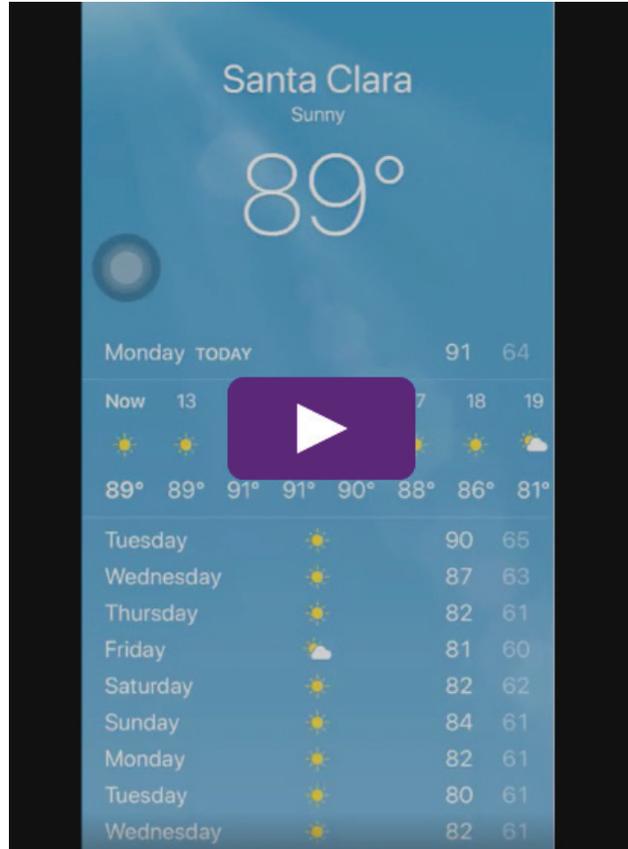
25. RESPONSIVENESS

Our best-in-class responsiveness allows you test as if the device is in-hand with near zero-latency.

26. SESSION SHARING

Share sessions with anybody on your team through a simple link allowing for quick and easy troubleshooting of issues.

27. SESSION VIDEO

Kobiton captures detailed video of both manual and automated test sessions allowing for easy sharing with team members and to aid in root cause analysis.

28. SCREENSHOTS

In addition to full video recording of test sessions, Kobiton breaks your session down into discrete steps along with screenshots. This makes interactive debugging far easier to pinpoint the exact step you need.

29. CI/CD INTEGRATION

Integrate real-device testing into your CI/CD processes and release at the speed of digital.

30. APPIUM LOGS

Easily access full Appium logs detailing script execution, along with the corresponding video of your session.

31. DEVICE LOGS

Kobiton captures the full device log with your test session so that those particularly tricky device specific issues can be quickly pinpointed and fixed.

32. DOWNLOADABLE LOGS

In addition to sharing sessions, easily download device and Appium logs for offline retrieval or to attach to a support ticket.

33. RICH REPORTING

Kobiton retains all your test sessions allowing you to see app quality trends over release cycles, and the ability to retrieve any historical test session.

34. DEFECT TRACKING

Automatically log failed tests into the defect tracking system of choice. Attach log files and videos to the ticket so that developers can quickly and easily fix the issue.

35. NATIVE APP SUPPORT

Kobiton is a true mobile test platform. Easily upload your IPA or APK native app and begin your manual or automated tests.

36. MOBILE WEB SUPPORT

In addition to native app support, Kobiton allows you to test your mobile website on hundreds of devices across all the different browsers.

37. COMPETITIVE UPGRADE

Move from a competing mobile device lab with zero risk and zero stress. Kobiton will migrate your existing test scripts to ensure a seamless and risk-free transition to the Kobiton platform.

38. PROGRESSIVE WEB APP (PWA) SUPPORT

Organizations deploying PWAs will appreciate the ability to test on real-devices.

39. APP DIRECTORY

Upload all your apps for testing into our secure app repository for quick access and installation onto new devices.

ect devices for: Messaging App Team

	Name, UDID

	Type	UDID	Hosted by	Status
.4.1	Public	f721d0809...	Kobiton	●
.1.1	Public	e3c7deae	Kobiton	●
0	Public	0915f92b8...	Kobiton	●
	Public	R38M20P2...	Kobiton	●
.0.1	Public	3300d4ae2...	Kobiton	●
.0	Public	ZY223B39...	Kobiton	●
0	Public	4200daE2d	Kobiton	●

Selected Devices

	Name	Version	Type
✓	Galaxy ...	🤖 5.1.1	Public
✓	Galaxy ...	🤖 6.0.1	Public

40. REMOTE APP UPLOADING

Remotely transfer your app onto the Kobiton platform using our API, allowing for more dynamic test scripts.

41. PARALLEL SESSIONS

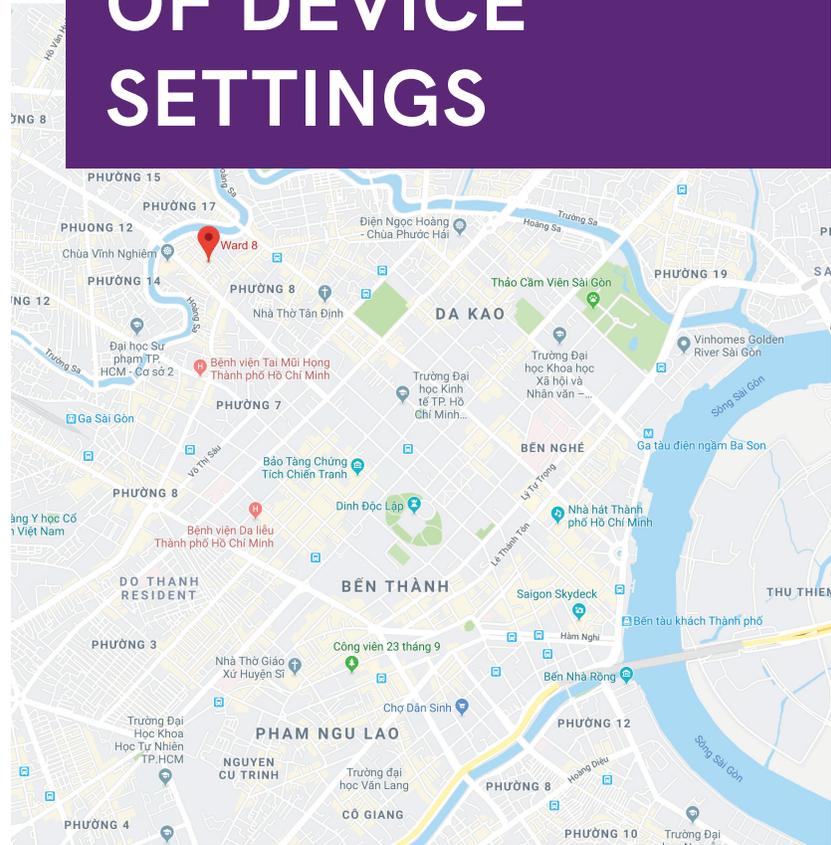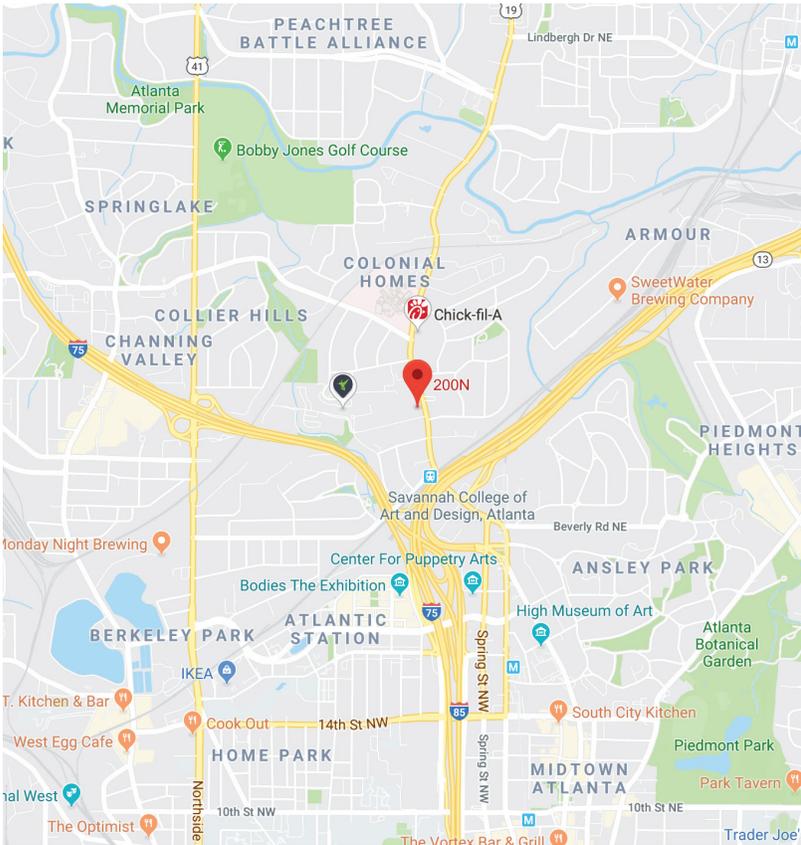Run as many parallel sessions as you need to speed up your automated tests. Perfect for CI/CD environments.

42. UNLIMITED USERS

Kobiton doesn't charge on a per-user basis meaning everyone in your organization can enjoy the benefits of the Kobiton platform.

43. ORGANIZATION ACCESS CONTROL

Partition device access within an enterprise at an organization and department level.

FULL CONTROL OF DEVICE SETTINGS

44. USER ACCESS CONTROL

Fine-grained access control lets you manage which users in which departments have access to which devices.

45. ENGINEER-TO-ENGINEER ACCESS

Enjoy a dedicated Slack channel enabling your engineers to talk directly to our engineers ensuring prompt resolution to even the most complex of issues.

46. FULL CONTROL OF DEVICE SETTINGS

With Kobiton private and local devices you have full access to all device settings for the ultimate control and flexibility.

47. SET DEVICE LOCATION

Easily spoof physical location to test your geo-enabled apps.
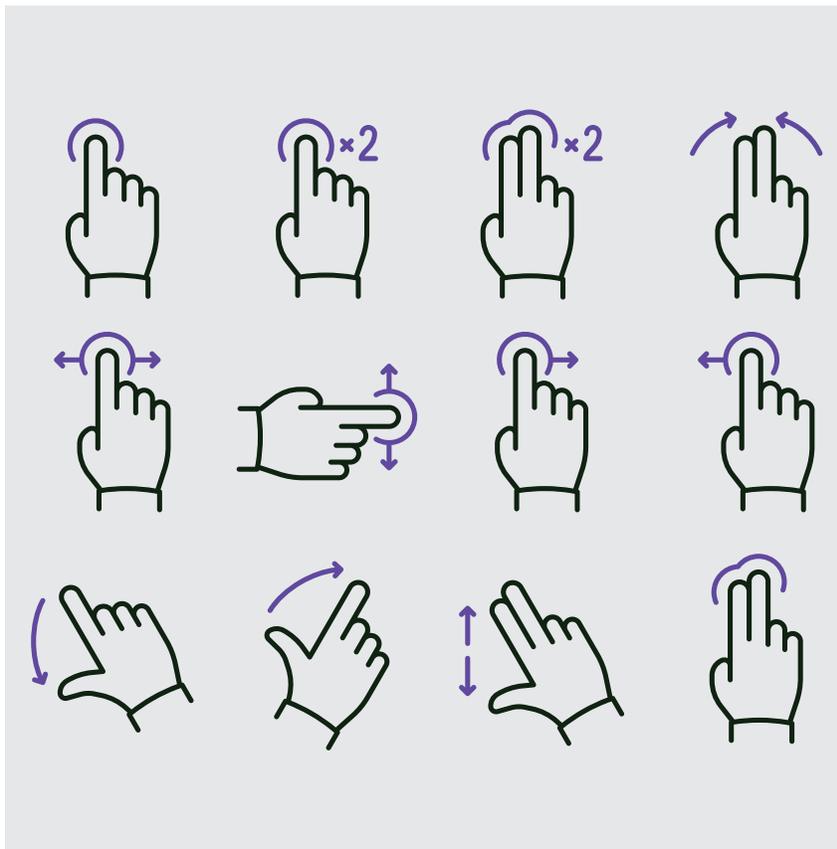
48. SET DEVICE TIMEZONE

Test timezone sensitive or dependent apps easily by setting the timezone as needed to test under different scenarios.

49. WIFI SUPPORT

All devices are fully connected to WiFi for maximum testing throughput.

50. CARRIER/SIM SUPPORT

Test your app performance on actual carrier network conditions.

51. PINCH/ZOOM SUPPORT

Test as if the device is in-hand with full support for even the more complex gestures such as pinch-to-zoom.

52. VPN CONNECTIONS

Utilize VPN or secure connections from your private Kobiton cloud back to your on-premise data.

53. NATURAL SWIPE GESTURES

You can perform all the gestures you need to test on a real device. Tap, swipe, and scroll on a cloud device, simply and naturally.

54. PORTRAIT MODE

Ensure your app or mobile website renders properly in Portrait mode.

56. GEOGRAPHIC COVERAGE

Construct bundles of real-devices that encapsulate test coverage for specific geographic regions to ensure full market coverage for your region.

55. LANDSCAPE MODE

Easily rotate the device as if it were "in-hand" to test your app in landscape configurations.
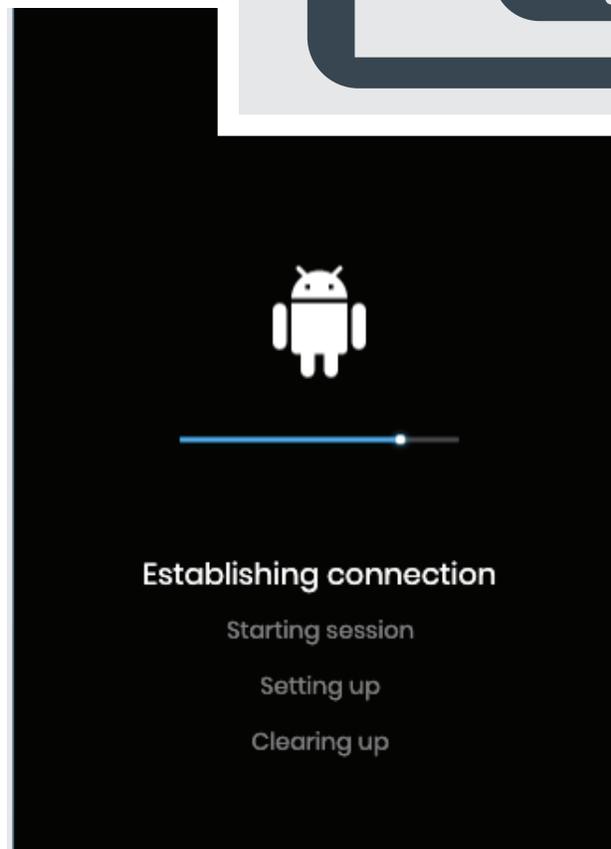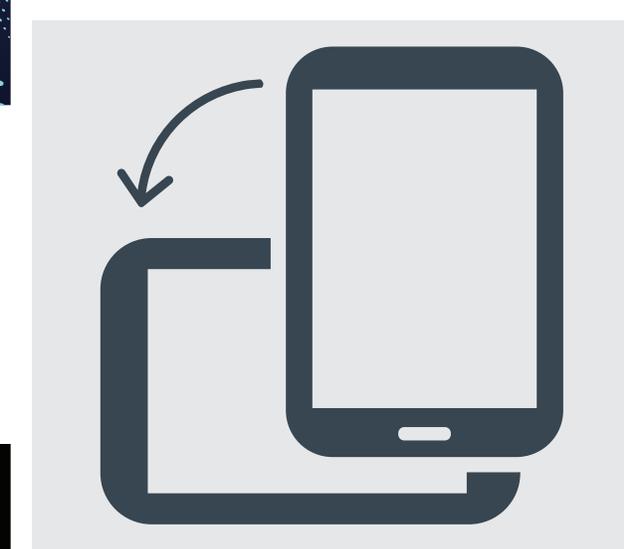
57. SOC2 AND SOC3 COMPLIANT DATA CENTERS

Devices hosted by Kobiton are in secure data centers meeting all the latest in security standards.

58. HIPPA COMPLIANT

Our data centers are HIPPA compliant for even the most sensitive of testing needs.

59. FAST START-UP TIME

Launching devices should be fast. Compare Kobiton to the competition and see what performance really means.

Establishing connection

Starting session

Setting up

Clearing up

```javascript
// Create a base64 string.
var base64EncodedBasicAuth = window.btoa('te

// Defines Authorization header for a reques
var headers = {
  'Authorization': 'Basic ' + base64EncodedB
};

// Sends a request with Authorization header
$.ajax({
  url: 'https://api.kobiton.com/v1/apps',
  method: 'get',

  headers: headers,
  success: function(data) {
    console.log(JSON.stringify(data));
  }
```

60. SESSION PRIVACY

For shared public devices, Kobiton automatically clears all session data on the device ensuring that no confidential data is left behind. Private and local devices can choose whether or not to scrub session data between sessions.

61. ISO 27001 CERTIFICATION

Our Dev center is fully ISO 27001 certified ensuring the strictest information security practices are followed.

62. RICH API

Kobiton provides a full API to drive the platform allowing for easy integration into the more common, and even less common, tools and platforms.

63. NODEJS

Easily integrate real-device testing from NodeJS

64. PHP SUPPORT

Kobiton lets you use PHP code to run your automation scripts.

65. RUBY SUPPORT

Ruby more your style? No problem on the Kobiton platform.

66. PYTHON SUPPORT

Die-hard Python users will enjoy the built-in Python support offered by Kobiton.

67. JAVA SUPPORT

Java is commonly used for Appium test automation scrips and is fully supported on Kobiton.

68. C#/.NET

Prefer coding in C#? No problem with Kobiton!

69. TRAVIS INTEGRATION

70. TEAMCITY INTEGRATION

71. JENKINS INTEGRATION

72. XEBIALABS INTEGRATION

73. CIRCLECI INTEGRATION

74. JIRA INTEGRATION

75. INTERACTIVE ONBOARDING AND IN-APP GUIDANCE

Lower the training curve through our in-app guidance to help you navigate the platform and easily perform the most common operations.

Kobiton