

DeviceFarm™

Model, simulate, and test multiple devices from a single web interface



For cybersecurity labs that need to model, simulate, test, and analyze mobile applications before deploying them in their production networks, there has always been one big problem: how can you replicate realistic application behavior in a secure, controlled-access environment?

DeviceFarm solves this problem by bundling all the components necessary to host your own mobile device bank. DeviceFarm is a pre-packaged, plug-and-play solution that can be physically deployed in any facility for remote management and automated testing of multiple devices from a single web interface. Just like commercially available device banks, DeviceFarm allows cyber labs and mod/sim personnel to test new and upgraded apps on dozens of combinations of devices and operating systems. Users can interact and control device arrays remotely via a single web interface and apply record/replay features to automate testing of mobile devices and applications.

Unlike rent-a-device approaches, DeviceFarm allows for secure control of the mobile devices, limiting physical access to those within your data center and testing teams.

Additional applications of DeviceFarm include application automation, autonomous app navigation, mobile traffic generation, and network and application security analysis.

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-  **Remote Control:** Remotely interact with multiple physical mobile handsets through a single web browser interface using mouse clicks and drags or touch and swipes.
-  **App Automation:** Create, save, and replay sequences of touch and swipe actions. Leverage our intelligent app crawler to autonomously navigate through your mobile application(s).
-  **Traffic Generation:** Generate realistic traffic simultaneously from multiple physical mobile devices of varying makes, models, and operating system versions.
-  **Traffic Analysis:** Perform mobile network and application security analysis through the collection, inspection, modification, and injection of client and server network traffic.

DeviceFarm has a unique bulk control interface designed for controlling multiple mobile devices within a single view. Observing the behavior and performance of a mobile app in conjunction with other apps and devices in real-time can more effectively demonstrate the impact of mobile application activities and capabilities.

DeviceFarm Form Factors

DeviceFarm is available in a variety of form factors, including software-only. These form factors bundle remote control, management, storage, and recharging of multiple mobile devices into a pre-packaged, plug-and-play solution. DeviceMini and DeviceCube are highly compact, portable desktop versions that can manage and store several devices. As you scale up, DeviceStadium is a rack-mountable enclosure that can house up to 44 mobile devices, eight of which can be stored in DeviceRack. The chart below illustrates the capacities of each form factor.



DEVICEFARM USERS CAN INTERACT AND CONTROL DEVICE ARRAYS VIA A SINGLE WEB INTERFACE.



	DeviceFarm SW	DeviceMini	DeviceCube	DeviceStadium	DeviceRack
Device Capacity	4	8	16	44	352

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