SAUCE LABS MOBILE DEVICE TESTING - PUBLIC AND PRIVATE CLOUDS

Sauce Labs offers multiple cloud solutions supporting mobile web, hybrid and native app testing: a private cloud, ideal for customers that require highly secure testing on dedicated devices, and a public cloud with a wide range of devices for edge testing. Both clouds support automated and manual mobile tests across iOS and Android devices, and are compatible with popular mobile testing frameworks including Appium, Espresso and Robotium.

PRIVATE CLOUD

Our Private Cloud is designed for those that need the highest security, as well as for those who test frequently on specific devices as part of a CI/CD delivery pipeline. Having devices available for you 24/7 enables faster development and deployment because you control the schedule of your devices. Dedicated devices provide the highest security as only you and your team have access and, as an extra layer of security, all communication is secured via an IPSec VPN connection. And, with your own devices, you can enable custom settings so that all your tests can run using the same parameters.

In addition, most of our users also test on devices in our public cloud. The public cloud offers a very wide variety of devices on which you can test edge cases on devices you don't have in your private cloud.

When to use a private device cloud? Dedicated access to testing devices is essential to any organization following a CI/CD development model. Our private device cloud offers secure, automated testing, to speed your releases.

Pros	Cons
Exclusive access to devices 24/7	Less device coverage
Secured with IPSec VPN	More expensive than public cloud
No maintenance costs	
Manual and automated testing	
Custom device settings so every test is run with the same parameters	

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PUBLIC CLOUD

Our public cloud is a secure solution that enables manual and automated testing on growing inventory of over 200 iOS and Android device models. These are best used for running manual and automated tests across a wide variety of devices so you can increase test coverage to improve your app quality. To ensure maximum privacy, all devices are thoroughly cleaned after each use and all settings reset to factory values so none of your data will ever be exposed to other users.

When to use a public device cloud? A diversified device pool enables edge testing on devices that are not in your private cloud, manual bug reproduction occurring on specific devices as well as breadth testing to improve quality.

Pros	Cons
Wide device models coverage	Tests will be queued if devices are not available
Easy bug reproduction	Non-exclusive device use
Deep device cleaning after every use	No VPN
Manual and automated testing	Require a configuration script for custom settings
Secured via IP whitelisting	

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