

# TESTDROID ENTERPRISE

The server software for managing all aspects of automated testing on multiple, real Android and iOS devices simultaneously.



## testdroid enterprise.

bitbar.

### Save time and money by automating your application testing

Testdroid Enterprise is a server product for companies who want to save time and money by automating functional, performance, stress, regression and stability testing of Android and iOS apps and associated services. With Testdroid Enterprise you can execute any instrumentation tests after every code check in to ensure that changes to apps or server side changes do not break any functionality.

### Plug and Play configuration of new devices

With Testdroid Enterprise managing your testing infrastructure is very easy. You can use it to quickly setup your private test environment, with your own devices. Just plug in the phones you want to use for testing, configure a few settings and your automated test cluster is ready to go!

### Share devices across several teams

Testdroid Enterprise can be used to share your test devices across teams working in different geographic locations. This is ideal, for instance, when you are working on unpublished devices but would like to enable a testing access to people who are developing applications for your devices. Sharing one pool of devices across the whole company creates significant savings in cost and time.

### Compare performance and compatibility across devices

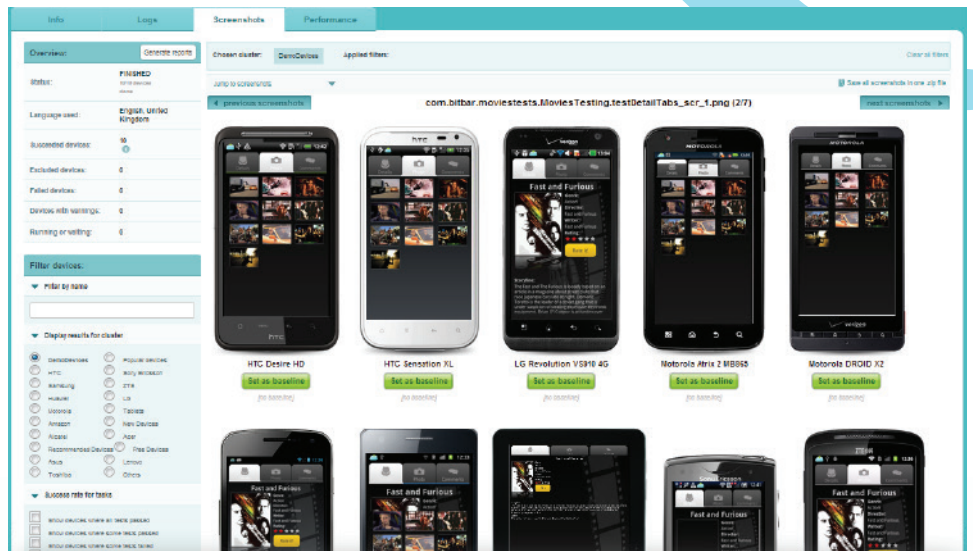
Testdroid Enterprise provides detailed information on how your software behaves on each device. You get info on failures during install, test execution times, any exceptions during test execution and even full detailed log output from the whole test run. With this information troubleshooting and debugging is fast and efficient.

**For additional information, please visit us at [www.bitbar.com](http://www.bitbar.com) or [www.testdroid.com](http://www.testdroid.com)**

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## Pixel-perfect comparison between devices

Testdroid Enterprise offers a powerful tool to see how your application looks on each real device. You can compare side-by-side, real pixel-to-pixel views from all connected devices. Significant time savings can be achieved as different screen sizes, resolutions and form factors make the visual validation of screen layout on each device a must for any mobile application developer.



## Automatic screenshot comparison with screenshot baseline feature

With screenshot baseline feature you can define a baseline for every screenshot on every device and then every time your tests are executed new screenshots will be compared to your baseline screenshot and if they are not exactly the same you will be notified. Screenshot baseline feature even highlights the differing areas of the screenshot to help you notice how the screenshots are different from each other.

## KEY FEATURES

## Use Cases

### 1 Functional and interoperability testing

Run fully automated functional and interoperability tests to ensure that your application works as it should with targeted range of devices. You can plug and play new devices and test your application automatically (for example, Robotium tests or any other Android instrumentation tests) every time your code is changed.

### 2 Performance and stress tests

You can create tests which last for hours to see how the application/device as well as device/server combinations behave during long usage.

### 3 Distributed application and service development

Pre-market devices are tested against existing mobile services. Testdroid Enterprise enables you to have some of the device clusters in different geographical locations and still all devices are available for all development teams in one easy to use test environment.

### 4 Regression testing

Most mobile services have some server-client interaction, requiring login, upload and download of data etc. When developing these kind of services, you need to ensure that all the changes done to either server or client side do not break the functionality of the service. Also, more complex scenarios are possible, like testing certain chain of activities on Android client, then continue on the web end (with, for example, Selenium tests) and then continue application testing based on the results of web testing. Testing these kinds of scenarios manually after every code change, or even after nightly/daily builds is practically impossible.

### 5 Automated smoke tests

With Testdroid Enterprise you can automatically run extensive smoke tests even without creating any test scripts. Testdroid Enterprise will automatically install, view every screen and take screenshot of every view for your application on each connected device.

## SYSTEM REQUIREMENTS

### Operating System:

Ubuntu Linux 10.04 or later  
Mac OS 10.7 or later (for iOS)

### Hardware:

CPU: 4-Core  
Memory: 8Gb  
Free hard disk space: 1Tb  
USB ports: One free USB port for each Android device

### Other required software: (for Android)

Jenkins Continuous Integration software  
Java Runtime 1.6 or later  
Latest Android SDK

### Other requirements: (for Android)

Android devices and a USB cables for connecting devices to Testdroid Enterprise