



GWS MOBILE DIAGNOSTIC APPS

GWS's benchmarking products include a suite of mobile diagnostic apps that provide easy-to-use, network testing capabilities for the wireless industry including network operators, mobile device vendors, regulators, and consumers.

GWS Mobile Diagnostic App — Enterprise Version

GWS offers a mobile diagnostic application built for detailed engineering analysis and testing of wireless networks. The Enterprise Version utilizes an Android platform and is available directly through GWS. The Enterprise Version provides the following:

Powerful Performance Measurement Tool:

The enterprise version is built to quickly yet thoroughly test mobile and Wi-Fi networks in terms of data speed, network latency, signal strength, serving cell towers, GPS and other key performance indicators. Independently, the app provides cost-effective, surface-layer performance analysis, and when combined with GWS's industry leading testing solutions, it can serve to significantly enhance benchmarking efforts.

Flexible and Easily Configurable:

Users can easily configure, run, and review multiple test scenarios involving ping, HTTP upload, HTTP download, browser, HTTP multi-thread upload, and HTTP multi-thread download. Users also have the ability to configure test controls including count, duration, or continuous testing. In addition, test configurations created for a current project can be saved for future use.

Real-Time, Shareable Results:

Results from a test project are instantaneous and can be shared with others. The results can be viewed in various levels of detail from individual test results to a project summary. And users can also view the trends resulting from conducting multiple tests.

Comprehensive Network Assessments:

When combined with Mobistat™, GWS's advanced post processing technology, enterprise users can also view app test results via a secure website, and have access to interactive web-based reporting and mapping tools. Thus, adding another layer of evaluation for the performance measurements generated by the app.

GWS Speed App — Consumer Version

Consumers (users) can download a free, streamlined version of the Mobile Diagnostic App, known as the GWS Speed App, from Google's Play Store or Apple's App Store. Using the same powerful core as the Enterprise Version, the GWS Speed App has a simplified interface and a carefully chosen set of functions for the everyday Droid and iPhone consumer. Users are able to test the performance of their mobile or WiFi network by measuring latency, website loading speeds, and by performing upload and download stress tests. The GWS Speed App also allows users to share the results of their tests with others over email or social media. An account or log in is not required, and with one tap users can immediately run diagnostic tests; accordingly, all the data that GWS gathers from the app is anonymized by default.

Custom-Designed Mobile Diagnostic App

GWS can custom design a mobile diagnostic app for your company. Based on the mobile platform and engine created for GWS's network testing activities, GWS can provide a network diagnostic app for your brand and for your testing purposes. Testing can be custom designed to include network latency measurements and upload and download network stress tests. And similar to GWS's enterprise and consumer versions, the app can be designed to allow users to share the results of their tests with others via social media and email.

Feature Comparison of GWS Mobile Diagnostic Apps

App Features	GWS Mobile Diagnostic App (Enterprise)	GWS Speed App (Consumer)	Custom Designed App
iPhone		Free on App Store	App Store or Company Portal
Android	Available via GWS Portal	Free on Google Play	Google Play or Company Portal
Test Mobile & WiFi Networks	Ping (ICMP & UDP) HTTP browser HTTP single & multi thread DL/UL Voice call	Ping (ICMP) HTTP browser HTTP multi-thread DL/UL	Per Design
Collect Mobile & WiFi Network Parameters	GPS, Signal Strength, Serving Cell Towers	GPS, Signal Strength, Serving Cell Towers (iOS: collect GPS only)	Per Design
Create & Manage Test Projects	Configure, Manage & Export/Import Multiple Tests		Per Design
On-App Map of User Tests	✓	✓	✓
Share Results via Social Media, Text, & Email	✓	✓	✓
Language Localization	Per Request	English & Spanish	Per Request
Data Visualization Maps (web based)	✓		Per Design
Integration with GWS Mobistat Reporting Tool	✓	✓	✓
Synchronous App Testing on Multiple Nearby Devices	Via Control Device (i.e., Tablet)		Per Design
Remote Monitoring of Devices via Fleet Management	✓		Per Design

About GWS

Global Wireless Solutions, Inc. defines the industry standard for network benchmarking, performance analysis and testing. Working with some of the world's largest wireless network providers, GWS offers standardized, high-quality network data and engineering analysis to its customers through a suite of benchmarking products, services, and diagnostic apps that includes drive, venue and in-building testing.

Founded in 1996, GWS is headquartered in Dulles, VA. At last count, GWS has driven more than 9 million data collection miles for its customers. For more information, visit www.gwsolutions.com and follow us on Twitter at @gwsolutionsinc.