Mobile Load & Performance Testing Solution

NeoLoad is a load and performance testing solution designed for web and mobile applications to realistically simulate user activity and monitor server behavior.

Why would you deploy your mobile application blindly and take the risk of losing traffic, revenues or employee productivity and hurt your brand image? NeoLoad provides all the capabilities required to simulate a high volume of concurrent mobile users realistically, check that your servers won’t have performance issues under load and ensure that your users will get acceptable response times with 100% availability. If you want to ensure that your end users are happy, mobile application performance testing is a must.

Challenges for Testing Mobile Applications

Poor Network Quality, High Latency

Mobile networks perform badly compared to regular desktop access. The bandwidth is usually lower, the latency is always significantly higher and there’s more packet loss. These network characteristics have a significant impact on the response times for the client and on server capacity.

Lots of Devices

There are an increasing number of different devices, each employing one of many operating systems and various screen sizes. Many websites adapt the content to the connected device, and since devices each connect differently to the server they must, therefore, be accounted for during testing if you want realistic results. This challenge only becomes more complex as mobile device use cases proliferate.

Lots of Users

Over 100 million smartphone users belong to the “gigabyte club” (over 1 GB per month) as of 2012. A mention in a blog or buzz on a social media site can bring a huge amount of visitors to your site or your app. Is your infrastructure ready for such a load?

NeoLoad’s Mobile Solution

Product Capabilities:

- Network Emulation
- Record 100% of Applications
- Client Simulation
- Cloud Integrated

Supported Mobile Technologies:

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<th>Network Emulation</th>
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Network Emulation:

NeoLoad allows you to realistically simulate mobile networks (3G, 3G+, H+, 4G LTE…) from the Cloud or on-premise with bandwidth constraints, latency and packet loss simulation.

This integrated capability allows you to check the response times of your mobile users and load your servers under real world conditions, for no additional cost.

Records 100% of Applications:

NeoLoad combines two complementary recording methods (Proxy based and Tunnel based) to record any mobile application with a single testing solution. Regardless of the scenario (native, web based or hybrid; HTTP or HTTPS), from any device (real or emulator), NeoLoad has you covered.

Client Simulation:

NeoLoad simulates typical mobile devices to help you simulate the appropriate server content and number of parallel connections for realistic response times and server load. Predefined settings include simulation for devices like iPhone5, Samsung Galaxy Tab II, Nokia Lumia 800 and Blackberry Bold 9900 among others.

Cloud Integrated:

NeoLoad is integrated to the Neotys Cloud Platform to deliver ondemand, large scale tests featuring instant multi-provider deployment and an exclusive capability to simulate real world mobile network conditions under load.

Contact for More Info

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