



Makani Networks releases cloud-enabled security products

“Two new cloud-enabled products from Makani Networks – MakAV and MakSSL – enables secure access to online content”

June 2, 2011 – San Francisco, California – Makani Networks today launched two new cloud-enabled products – MakSSL and MakAV – that can dynamically intercept and scan unencrypted as well as SSL encrypted content.

Rapid proliferation of Apps and online web content for smartphones and tablets represent a new front in the fight against computer threats. Specifically, Apps available from various Apps Marketplaces are quite vulnerable to attacks by hackers who want users' personal information stored on handsets and tablet computers. New laptops and netbooks will also increasingly be the target of malwares and spywares as they gain popularity.

Normally it is not possible to detect viruses, malwares, adwares, or spywares as they travel into your computing device through Secure Socket Layer (SSL) connections. The obvious reason is because SSL traffic is encrypted. The MakSSL and MakAV cloud-enabled products from Makani Networks offers a “bump-in-the-wire” technology that decrypts SSL traffic, passes the traffic through MakAV antivirus scanners and content filters, and then re-encrypts the content and sends it on to the end user. In this way, unencrypted or SSL encrypted connections infested with worms, viruses, malwares, spywares, adwares, and other malicious content are quickly detected and blocked in real-time.

Key technical challenges building the MakSSL and MakAV products include enabling fast dynamic scanning of the content stream. Because computing and I/O resources are limited and usually partitioned across disparate compute-intensive functions in a computer system, the traffic scanning process must be made as fast as possible without any perceptual impact to an end-user. Makani Networks achieves this through generous use of RAM Disks such that all the online content is scanned dynamically in-memory. The MakAV scanner scans the online content for roughly a million viruses, malwares, spywares, etc. The end result is extremely fast scanning of online content, thereby substantially reducing the download latency.

An example demo of the MakSSL and MakAV cloud-enabled products is currently made available for users based in North America and demo'ed live at <http://mob.makdns.net>. Users can access security services with the HTTP Proxy (**mob.makdns.net**) with Proxy Port (**8080**), and Port (**8081**) for SSL.



Makani offers high-performance, easy-to-use and technically innovative solutions for next-generation wide-area services. Makani Mobilizer™ appliances are deployed in the customer's network for blazing-speed data access over a wide-range of access networks. Makani Enhancers™ are deployed for wide-area data acceleration and optimization. Founded in 2006, Makani is headquartered in San Francisco USA.