

# Backbone Security Announces Enhanced Insider Threat Detection Capability

FAIRMONT, W.Va., Sept. 22, 2011 (SEND2PRESS NEWSWIRE) – Backbone Security is pleased to announce availability of a new and improved version of their Steganography Analyzer Real-Time Scanner, StegAlyzerRTS, the world's only commercially available network security appliance for detecting digital steganography in real-time.

Digital steganography is an Internet era version of an information hiding technique dating back to the days of Ancient Greece. Using digital steganography, a file can be embedded within, or appended to, another file in such a way that it cannot be seen or heard. Unlike cryptography, which translates information into an unintelligible sequence of letters and numbers, steganography conceals the very existence of the information.

Insiders are increasingly becoming aware of the value of information they work with on a daily basis. Accordingly, insider theft of sensitive information is increasing at an alarming pace. Insiders can use any of the 1,000+ steganography applications available on the Internet as freeware or shareware to ex-filtrate personally identifiable information (PII), protected health information (PHI), or intellectual property, for example, outside the enterprise network. The current generation of network security appliances does not detect insider use of steganography.

StegAlyzerRTS Version 3.2, developed in Backbone's Steganography Analysis and Research Center (SARC), detects insiders downloading any of the 960 digital steganography applications currently in the SARC's library of steganography applications. Detecting this type of insider activity is an early warning indicator the insider is planning to steal sensitive information.

Using the analytical approach to detecting steganography developed in the SARC, StegAlyzerRTS can also detect insider use of a subset of the 960 applications through a unique signature-based detection model.

Among many other enhancements, the new version features a dramatic speed improvement due to performing all packet processing in RAM rather than writing the packet stream to disk which incurs the overhead of disk input and output.

Another key feature is the inclusion of a statistics display that allows the user to actively monitor 50 performance metrics related to the system and the inbound/outbound network traffic stream.

A code signing feature was added to allow our customers to confirm the software was authored by Backbone Security and to guarantee the code has not been altered or corrupted since it was signed.

"Enterprises with sensitive information to protect are vulnerable to the threat from trusted insiders using steganography to steal the crown jewels.

Our real-time steganography detection appliance can mitigate that threat,” stated Bart Guerreri, Founder, Chairman, and CEO of Backbone Security.



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The next version of StegAlyzerRTS will include the capability to manage multiple geographically dispersed scanners from one location. This feature will be of particular interest to enterprises with multiple data centers located anywhere in the world.

StegAlyzerRTS is available for both 100Mbps and 1Gbps networks. For more information please visit [www.sarc-wv.com](http://www.sarc-wv.com).

#### **About the SARC:**

The SARC is a Center of Excellence in digital steganography research and development within Backbone Security. The SARC has established the world's largest commercially available repository of digital steganography applications, fingerprints, and signatures and has developed industry leading computer forensics and network security steganalysis tools for detecting and extracting information hidden with digital steganography applications.

#### **About Backbone Security:**

In addition to the world class digital steganography research and development conducted in the SARC, Backbone is an Approved Scanning Vender (ASV) certified by the Payment Card Industry-(PCI) Security Standards Council to conduct automated PCI Data Security Standard compliance assessments with a One-Stop Scanning Solution.

More information: [www.sarc-wv.com](http://www.sarc-wv.com) and [www.backbonesecurity.com](http://www.backbonesecurity.com) .

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