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Moving up 5 Layers

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"We Accelerate Growth"

Moving up 5 Layers

In recent years, the UTM (Unified Threat Management) solutions market has progressed due to its attractive network security approach. Indeed, the idea of having an appliance that includes a number of security solutions that go beyond just firewalling appeals to the information security market. Yet, if SMBs -the first target of UTM vendors- are satisfied with the current UTM solutions, will enterprises and service providers be satisfied as well?

The UTM concept is based on the assumption that a combination of security solutions bundled in the same appliance will create a better security umbrella for organizations. Another main advantage of UTM solutions is their low cost in comparison to purchasing many different security solutions. These two advantages are driving the rapid adoption of UTMs by SMB customers. Typical UTM solutions (will) include a Firewall, IPS/IDS, an AV (Antivirus), an AS (Anti-Spam) component and a VPN. While the ability to provide higher level security such as AV and AS attracts enterprise customers, the restraint of such solutions lays in their lack of ability to inspect the amount of data going through an enterprise-size network.

The need for high performance security products in the market was the spark that led a number of network security companies to develop solutions to deal with the intensity of enterprise data flow.

Wedge Networks, the company behind the BeSecure line of products, has developed a patented next generation deep content inspection engine called "SubSonic Engine". This high performance engine is capable of detecting, flagging, and blocking malware, spam and viruses at very high accuracy rates while screening high volumes of data with very low impact on network performance.

This Canadian-based High-Tech company was able to develop such a solution by having a different approach to deep content inspection. While most UTM solutions use engines that filter data by packets in the 2nd and 3rd Layer, BeSecure and its SubSonic Engine inspect deeply into the application payload at the 7th Layer. Supporting commonly used application layer network protocols, data compression formats, and embedding their software on a strong hardware platform, BeSecure can inspect massive amounts of data, with no real impact on the network, and achieve a very high level of accuracy in Virus, malware and spam detection.

The Wedge BeSecure product was tested by "the Tolly Group" and was found superior to the leading UTM solutions with an accuracy rate over 98% in malware detection and blocking, against some 86% for the leading UTM solutions. These results are no surprise when the leading UTM solutions are based on packet filtering, or shallow application inspection, e.g. web filtering, that do not accurately detect malware embedded in the application layer.

Frost & Sullivan believes that companies like Wedge Networks will increase their market share in the content security market. They have effectively plugged a security hole for organizations who struggle in finding solutions that fit their data throughput needs while maintaining high detection accuracy; a fit that is critical for their business continuity and which is not met by UTM solutions offered in the market today.