

# **NETWORK SECURITY TECHNOLOGY ALERT**

## USER-BASED SECURITY APPLIANCE THAT OFFERS REAL-TIME PROTECTION

Recent trends have shown a significant increase in bandwidth consumption and data leakage across enterprises which pose a serious threat to their network security. This can be attributed to the fact that companies need to accommodate the rising usage of web tools like SaaS and Web 2.0. This problem is further aggravated due to users with malicious intent who can steal sensitive information and go untraced behind IP addresses. Therefore, user activity has to be transparent in order to ensure desired levels of network security. In order to ensure real protection, there is a need to identify the actual user and not just the IP address of a machine.

Unlike traditional security solutions that have the ability to trace only the IP address of the machine, Cyberoam, the unique user identity-based security module developed by Ahmedabad, India-based Elitecore Technologies, identifies the user behind the attacks. This module extends security functionality beyond the traditional 7 layers of OSI to the 8<sup>th</sup> Layer, also referred to as the *Human layer*. This feature allows policies to be created at the user level based on work profiles facilitating identification of behavior patterns to denote misuse, unauthorized intrusions, or malicious attacks from inside or outside the enterprise by specific users or groups.

The unique user identity-based security mechanism forms the basis of Cyberoam's "accelerator" series of appliances. The accelerator series encompasses a unified threat management platform, based on the multicore architecture, which enables management of multiple security features from a single entry point while defining the firewall policy. This offers a unified approach to the overall security policy, enabling easy configuration and troubleshooting. The architecture also aids in achieving greater performance across all combined security functions. Enterprises can leverage the dual-quad core processors present in the accelerator appliances to harness the power of multicore architecture.

The accelerator series of appliances allows organizations to provide user-based Internet access in accordance with their business needs and trace the activities across

the corporate network. Organizations are able to leverage this information to provide instant visibility and proactive control over security breaches and allow immediate corrective action. The solution offers increased network visibility in a single, highly-scalable appliance to provide enterprise-level security thus, decreasing the overall capital and operating expenses on security

Talking to *Technical Insights*, Abhilash Sonwane, VP- Product Management, says, “With rising dependence on the Internet, the demand for high performance security products has been on the rise and hence, our enhanced multicore architecture makes parallel execution of multiple network sessions possible and achieve breakthrough performances”.

Elitecore Technologies is looking to emerge as a unique network security vendor, which caters to a global customer base. It is in the process of enabling academic and organizational partnerships in technological institutes of Gujarat, to develop its next version of security solutions, with Changa Institute of Technology already partnering with Elitecore for product development. The unique methodology adopted by the company in providing user identity based-security is likely to disrupt the traditional security techniques thereby providing more options for enterprises to protect their networks.

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