

KEYNOTE SPEECH

NEW DIRECTIONS IN NETWORK SECURITY MANAGEMENT

Taher El-Gamal Elgamal@securify.com
Founder, CTO and Co-Chair of the Board, Securify Inc., USA.

As enterprises increasingly rely on the Internet to link their networks to remote offices, partners, suppliers and customers, knowing whether or not the desired degree of security is actually being achieved and how it is affected by change is critical. User identities affect the overall picture of how a network is being used; how will we be able to manage the identities of the users and relate them to the data being accessed? How effective is a firewall or any policy enforcement device? Will two firewalls be better or worse than one? Decision makers need to understand what measuring security effectiveness means to ensure their financial businesses are running smoothly, to determine whether or not changes intended to boost security actually make a difference and to achieve a reasonable ROI on their security investment and most of all how would the next generation IT infrastructure be managed to maintain the overall security level. They also need technologies and products to help measure the overall effectiveness of the security of their networks and all their deployed applications.

This talk will address the issues organizations face when quantifying network security effectiveness from both a network traffic and application perspective, and discuss various approaches for measuring it. The talk will demonstrate how monitoring network traffic and evaluating conformance to business practices and security policies can be used as the foundation for a new generation of business-driven network security management systems. This talk will also discuss the challenges of applying this methodology to application deployments and vulnerability remediation as well as the security benefits associated with measuring security effectiveness. Integrating user identities with network security ideas will also be discussed.