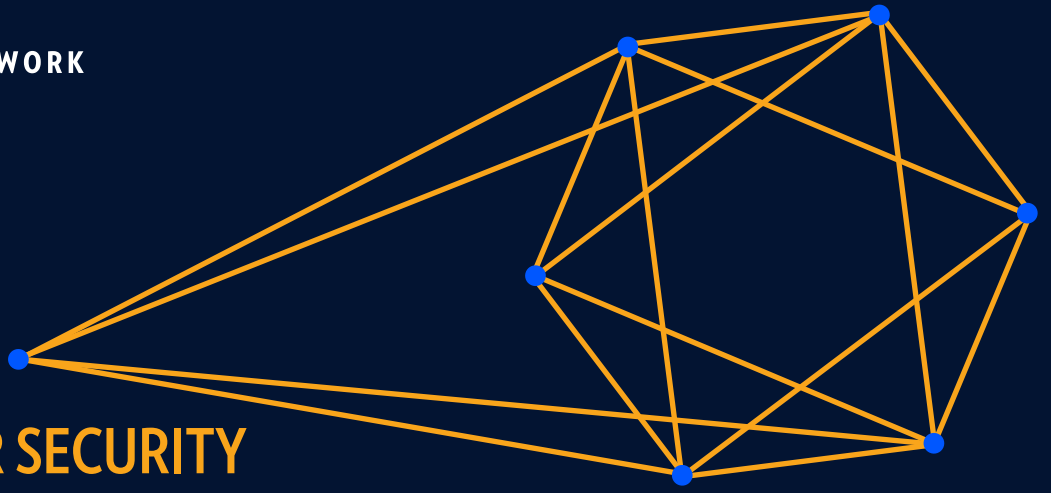




THE ELASTIC NETWORK

LightSEC™

MANAGED CYBER SECURITY INNOVATION



PINPOINT THREAT DETECTION REAL-TIME ATTACK MITIGATION

CURRENT CHALLENGES

Cyber security systems have two principal goals – to detect threats and to mitigate attacks. But for the most part, current systems fall short of achieving these goals. They generate an unmanageable number of event alerts instead of focusing on identifying actual threats. Moreover, to avoid missing true threats, they generate too many false positives. Current systems also rely heavily on cyber analysts to validate threats, and once validated, the analysts manually adjust attack mitigation systems and take other attack/defense measures. Such human actions are often incorrect or simply too late.

ECI INNOVATION

ECI's LightSEC Managed Cyber Security addresses these challenges. It uses three steps to provide highly effective threat detection and attack mitigation, enabling service providers to provide business customers with superior hassle-free protection:



ACCURATE THREAT DETECTION

Advanced correlation algorithms operate on data drawn from a wide range of sensors and internal traffic flows to provide the first level of reduction from the myriad of event alerts.

AUTOMATIC THREAT VALIDATION























Detected threats are validated against external threat databases, and condensed further into a smaller set of specific actionable threats, significantly offloading and accelerating the cyber analysts' workload.

REAL-TIME ATTACK MITIGATION

To counter the specific actionable threats, automatically selects the right attack mitigation tools, sets new mitigation policies, and redirects the traffic as needed.

INNOVATION AND BENEFITS

LightSEC™ Managed Cyber Security uses correlation from multiple sources and automation to provide accurate and actionable threat detection, with real-time attack mitigation.

	CURRENT	ECI INNOVATION
 ACCURATE THREAT DETECTION	 Events generated by security tools (e.g. FW exceptions, IPS exceptions, URL policy rejections)  Rudimentary correlation algorithms	 Events generated by security tools  DPI sensors, fingerprinting, traffic anomaly detection and analysis  Advanced correlation algorithms
	<p style="color: red;">Many events</p>  <ul style="list-style-type: none"> ✗ Overwhelming ✗ Inaccurate ✗ Not actionable 	<p style="color: blue;">Few threats</p>  <ul style="list-style-type: none"> ✓ Addressable ✓ Accurate ✓ Actionable
 AUTOMATIC THREAT VALIDATION	 Security analysts search for evidence to validate threat <div style="text-align: right;">  SLOW </div>	 Automated analysis against external threat databases and OSINT <div style="text-align: center;"> GLOBAL INTELLIGENCE </div> <div style="text-align: right;">  FAST </div>
	 <ul style="list-style-type: none"> ✗ Imprecise ✗ Error prone 	 <ul style="list-style-type: none"> ✓ Precise ✓ Error free
 REAL-TIME ATTACK MITIGATION	 Analysts make best-effort adjustments to attack mitigation systems <div style="text-align: right;">  SLOW </div>	 Automated actions: <ul style="list-style-type: none"> • Select correct mitigation tool • Update mitigation policies • Redirect traffic if needed <div style="text-align: right;">  FAST </div>
	 <ul style="list-style-type: none"> ✗ Security gaps remain ✗ Closed too late 	 <ul style="list-style-type: none"> ✓ Attacks prevented in real-time ✓ Before they even occur

Discover how LightSEC™ provides superior hassle-free™ managed security



ABOUT ECI

ECI is a global provider of ELASTIC network solutions to CSPs, utilities as well as data center operators. Along with its long-standing, industry-proven packet-optical transport, ECI offers a variety of SDN/NFV applications, end-to-end network management, a comprehensive cyber security solution, and a range of professional services. ECI's ELASTIC solutions ensure open, future-proof, and secure communications. With ECI, customers have the luxury of choosing a network that can be tailor-made to their needs today – while being flexible enough to evolve with the changing needs of tomorrow. For more information, visit us at www.ecitele.com