BreakingPoint Actionable Security Intelligence

Captures and Controls Global Threat Intelligence to Battle Test and Transform IT Infrastructure, Staff, and Processes

Cyber criminals are constantly changing their mode of assault, and organizations that cannot keep up are easy targets. It is no longer sufficient to merely spot threats as they appear and hope to deflect them; instead, systems must be fully integrated, optimized, and hardened for their efficacy before ever being deployed. Vigilant monitoring and testing must become an integral part of all security processes because attacks, threats, and the IT infrastructure itself are constantly changing, and security efforts must adapt.

Today the only way to protect your organization is to predict assaults before they happen to you, anticipating their impact and preventing damage. BreakingPoint Actionable Security Intelligence (ASI) solutions capture and allow you to manage the barrage of ever-changing cyber attacks and applications, using these real-world conditions to "attack yourself," as part of an ongoing security regimen. By leveraging the resulting actionable intelligence, you can harden IT infrastructures and staff skills to ensure your organization will hold up to the latest external and internal assaults.

Only BreakingPoint provides global visibility into emerging threats and the massively scalable products required to capture and control them for simulation and testing. With the exclusive ability to reproduce the most current threat intelligence at Internet scale, BreakingPoint enables you to:

- Battle test devices, networks, data centers, applications and IT staff
- Deploy next-generation cyber ranges to train cyber warriors to predict and respond effectively
- Tune systems for optimal performance, security, and stability
- Harden IT infrastructures and skills repeatedly as part of a predictive risk-mitigation regimen

CAPTURE Global Threat Intelligence
In addition to its dedicated research team, BreakingPoint utilizes a broad global network of strategic partnerships, carrier network feeds, and customer relationships to capture exclusive threat intelligence and deliver it via the BreakingPoint ASI subscription service. This service regularly pushes newly discovered attacks, malware, and other intelligence to keep BreakingPoint ASI solutions up to date

BreakingPoint Advantages

- Exclusive visibility and frequent intelligence updates captured through customer relationships, dedicated research team, surveillance, and licensed feeds.

- Most comprehensive library of live attacks including 30,000+ malware, DDoS, advanced persistent threats, and others.

- Growing portfolio of more than 150 applications including mobile, social, gaming, business, voice, video, and others.

- Extensible platform for rapid innovation as well as custom attacks and applications.

- Patented hardware for unlimited scalability and power to easily create Internet-scale simulations from a compact device.

- Complete cyber range capabilities for battle testing IT staff, next-generation technologies, converged and mobile networks and applications.

- Extensive automation for popular simulations including cyber war exercises, mobility, virtualized data center, and data loss prevention testing.

- Bridges gaps between monitoring, testing, and IT operations to transform reactive processes into a proactive and effective risk. mitigation operation.

CAPTURE Global Threat Intelligence — Network Surveillance, Carrier Feeds, Proprietary Research, Strategic Relationships

CONTROL Simulation and Testing

TRANSFORM IT Lifecycle Resiliency — Inception, Development, Selection & Deployment, Training, Monitoring, Risk Mitigation

BreakingPoint Actionable Security Intelligence protects enterprises, service providers, and government agencies by providing global visibility into emerging threats and actionable insight to harden and maintain resilient defenses.

and provides early insight into infrastructure trends, network usage patterns, vulnerabilities, and global threats.

CONTROL to Conduct Internet-Scale Simulation and Testing

BreakingPoint's full line of patented products generate dynamic customizable traffic simulating the specific behavior of hundreds of millions of online and mobile application users and is updated frequently with global threat intelligence. Using this line of high-performance products and easy-to-use automated interface, you can point and click to create your own precise network and data center conditions, mimicking the benign and malicious behaviors of users, applications, and devices. With the unique ability to create custom-ized traffic, you can now see how your infrastructures, applications, and staff will react under high-stress situations and make adjustments in real time.

TRANSFORM IT Infrastructures, Staff, and Processes to Predict and Prevent Advanced Threats

BreakingPoint's ASI solutions deliver advanced insight to maintain the security of critical corporate information and business systems through the constant hardening and optimization of network and data center infrastructures, applications, and staff skills. By subject-ing your IT targets and staff in a risk-free environment to the same conditions seen in the wild, you now have the power to:

- Select and deploy hardened infrastructure components by measuring product performance under unique network conditions.
- Harden overall infrastructures by assaulting them with custom, global, and current blends of stateful applications, live security attacks, and high-stress loads to probe every weakness and vulnerability.
- Replace legacy cyber ranges with an easy-to-deploy-and-manage solution that delivers operationally relevant conditions for dynamic cyber training exercises.
- Rightsize and harden converged networks and virtualized infrastructures by understanding precise capacity requirements and tuning performance and security.
- Improve application performance and mitigate risks associated with the rollout of new applications.
- Repeat as part of a standardized process as changes in the IT landscape and infrastructure introduce new threats and vulnerabilities.

Gartner Guidelines for CISOs 2011

The failure to evaluate security products before purchase and imple-mentation exposes an enterprise to both external and internal network security risk. This inevitably leads to overspending, high latency, and significant reduction in the effectiveness of network security devices.

Gartner recommends that CISOs test enterprise applications under normal and high-duress situations, suggesting that testing cannot be limited to the initial purchase of a system or device since security updates, configuration changes, and new applications can drastically and unexpectedly affect performance and security.

Only BreakingPoint ASI gives you the exclusive global visibility, analysis, and insight you need to transform your IT infrastructure, staff, and processes from an amalgamation of reactive, fragmented, and vulnerable systems into an always vigilant and battle-tested operation.

BreakingPoint's compact, easy-to-use, and comprehensive solutions scale to address the needs of the largest organizations unleashing Internet-scale cyber war in a controlled environment. A single BreakingPoint device generates up to 120 gigabits per second of blended stateful application traffic, 90 million concurrent TCP sessions, and 4.5 million TCP sessions per second. Each product ships with a growing library of more than 33,000 security attacks, includ-ing malware, obfuscations, evasions, advanced persistent threats, Distributed Denial of Service (DDoS) attacks, and more. Learn more at www.breakingpoint.com.

About BreakingPoint Systems

Hundreds of enterprises, government agencies, and service providers worldwide rely on BreakingPoint Actionable Security Intelligence to predict and prevent damage from advanced threats. With the exclusive ability to capture and control global threat intelligence at Internet scale, BreakingPoint delivers the only products capable of battle testing and transforming technologies, people, and security processes to be proactive and effective.

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