BreakingPoint

Find it before they do.™

Optimize and Harden Enterprise IT Resiliency

BreakingPoint FireStorm™, Only All-in-One Cyber Security Tool for Massive Scale IT Infrastructure

The BreakingPoint FireStorm allows organizations to:

- Understand the exact performance, security, and stability of network and security products in a fraction of the time

- Harden network 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

- Ensure cloud and virtualized infrastructures operate at the highest performance levels with optimal security

- Improve current application performance and roll out new applications and additional users with confidence

- Create the most advanced cyber training environments, delivering realistic cyber attack simulations to hone IT defender skills
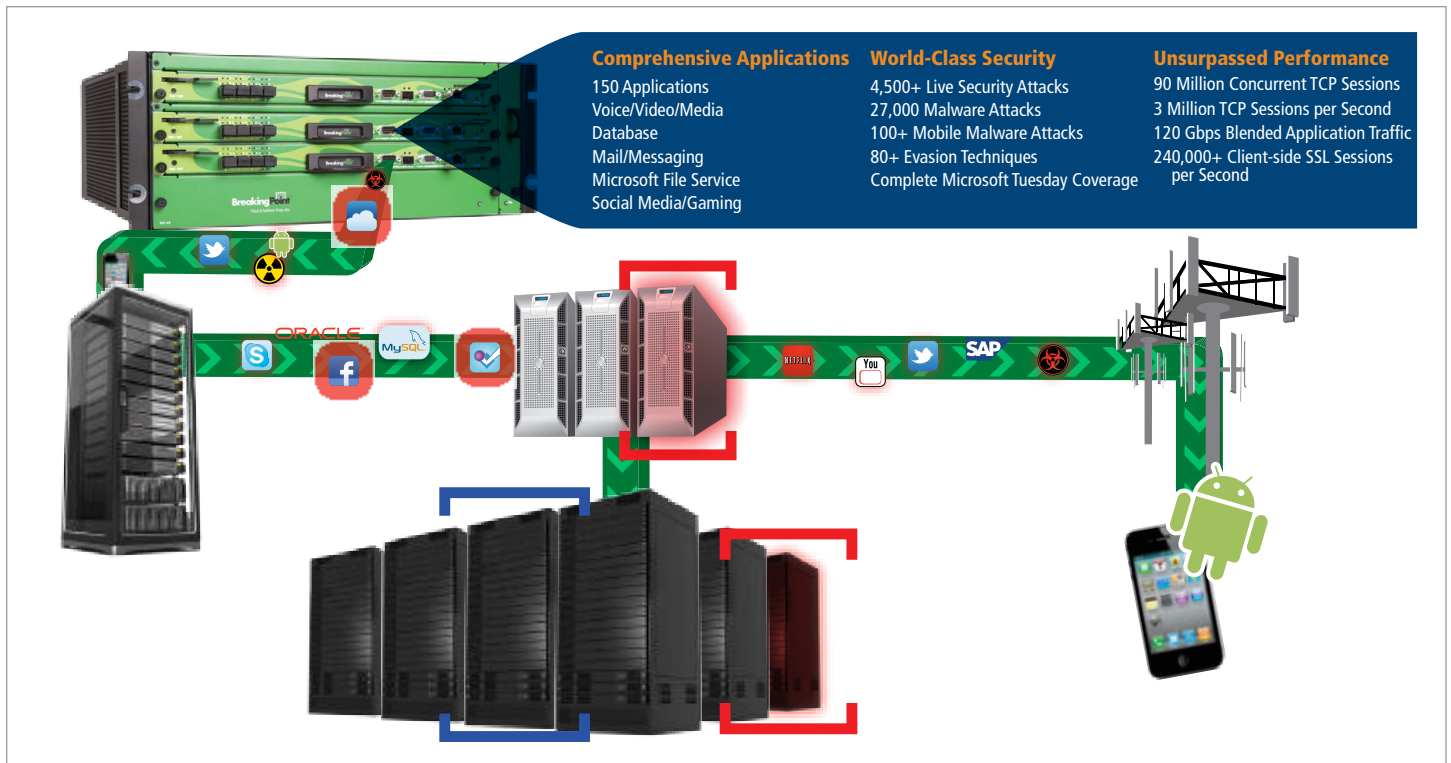

BreakingPoint FireStorm is used to evaluate, size, and configure IT infrastructures to perform optimally and securely while under load from millions of users, hundreds of applications, and thousands of cyber attacks. This all-in-one cyber security system pinpoints previously impossible-to-detect weaknesses and vulnerabilities in networks, network devices, and data centers before they can adversely affect IT operations.

The compact 4U chassis system simulates 90 million users talking, texting, emailing, sharing, and gaming, while simultaneously sending current attacks at 120 gigabits per second (Gbps). Based on a patented break-through in network-processor technology, the BreakingPoint FireStorm provides unprec-edented insight by producing the same high-stress conditions and user behavior that device manufacturers, service providers, global enterprises, and government agencies face in the real world.

Evaluate, size, and configure network and data center equipment with a scalable, easy-to-use modeling and testing device

Driven by an easy-to-use user interface, the BreakingPoint FireStorm provides users the ability to evaluate and select the most appro-priate network and data center equipment for their business. Using their own unique network traffic conditions, organizations can implement a standardized, repeatable product assessment to select the right devices and keep them resilient as infrastructures evolve. The BreakingPoint FireStorm is also the ideal system to determine the capacity requirements, application load needs, and stability of virtualized data centers. This all-in-one system includes:

- Ability to create 90 million online users
- More than 150 popular application protocols out of the box for enterprise IT departments, government agencies, and service provider networks
- 28,000 pieces of live malware, including the very latest distributed denial of service (DDoS) attacks

Comprehensive Applications
150 Applications
Voice/Video/Media
Database
Mail/Messaging
Microsoft File Service
Social Media/Gaming

World-Class Security
4,500+ Live Security Attacks
27,000 Malware Attacks
100+ Mobile Malware Attacks
80+ Evasion Techniques
Complete Microsoft Tuesday Coverage

Unsurpassed Performance
90 Million Concurrent TCP Sessions
3 Million TCP Sessions per Second
120 Gbps Blended Application Traffic
240,000+ Client-side SSL Sessions
  per Second

- Client-side SSL Bulk Encryption at 25 Gbps with any cipher
- Ability to measure network latency down to 10-nanosecond resolution
- 4,500+ live security attacks out of the box, with coverage for Microsoft security updates
- Sophisticated attack simulation with more than 100 and obfuscation techniques, plus full protocol fuzzing and more
- Intuitive user interface with preconfigured simulations, realtime statistics, and extensive reporting
- Automated point-and-click capabilities and a library of prebuilt profiles

Designed to adapt rapidly to change and ensure ongoing resiliency

The BreakingPoint FireStorm ships with the latest applications, security attacks, and performance upgrades and is updated biweekly using the BreakingPoint Application and Threat Intelligence (ATI)™ Program. Backed by a team of security and application experts, this service ensures that the most popular and dynamic Web and network application protocols are always up to date.

BreakingPoint Resiliency Score: End the vendor data sheet guessing game

The BreakingPoint Resiliency Score™ and the BreakingPoint Data Center Resiliency Score™ put an end to relying on product marketing literature by establishing standards against which networks and data centers are measured. Each score provides an automated, standardized, and deterministic method for evaluating and ensuring resiliency. This feature of the BreakingPoint FireStorm provides the standard measurement using real-world application traffic, real-time security attacks, extreme user load, and application fuzzing.

About BreakingPoint Systems

BreakingPoint products are the standard by which the world's governments, enterprises, and service providers harden and optimize the resiliency of their network and data center infrastructures.

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