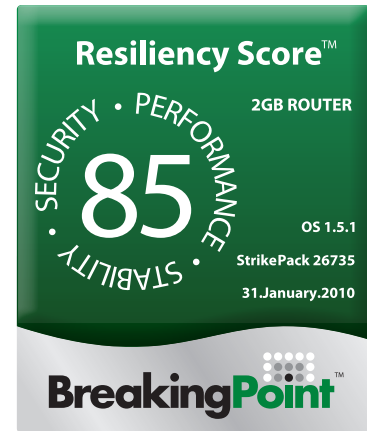


# BreakingPoint Resiliency Score

*An automated, deterministic, and reproducible measure of the performance, security, and stability of network and application infrastructure devices and systems*

Global enterprises, government agencies, and service providers want measurable answers, not assurances, when it comes to the performance, security, and stability of their networks and data centers. The ever-increasing complexity of network traffic is exposing the weaknesses in public and private network infrastructures. The core reason? Billions of dollars' worth of network devices that do not perform as promised when deployed, leading to costly outages, data losses, cyber attacks, and other failures.

We have come to expect evaluation and certification of product performance for everything from our phones to our automobiles — yet network and application infrastructures and the equipment upon which they rely have no standardized certification for performance and security. Instead, buyers must trust statements made in product marketing literature, which are based on best-case scenarios, not real-world evidence.



## BreakingPoint Resiliency Score: Ends the Guessing Game for Performance and Security

The BreakingPoint Resiliency Score<sup>™</sup> puts an end to this problem by establishing a standard against which network and security devices are measured. The BreakingPoint Resiliency Score provides an automated, standardized, and deterministic method for evaluating and ensuring the resiliency of networks and network equipment. This feature of the BreakingPoint Storm Cyber Tomography Machine (CTM)<sup>™</sup> provides a standard measurement of the performance, security, and stability of every component of networks and data centers using real-world application traffic, real-time security attacks, extreme user load, and application fuzzing.

## Calculating the BreakingPoint Resiliency Score

The BreakingPoint Resiliency Score is calculated using standards by organizations such as US-CERT, IEEE, and the IETF, as well as real-world traffic mixes from the world's largest service providers. A user simply selects the network or device for evaluation and the speed at which it is required to perform. The BreakingPoint Storm CTM then runs a battery of simulations using a blended mix of application traffic and malicious attacks, including obfuscation and evasion techniques. The BreakingPoint Resiliency Score simulation provides a common network configuration for all devices in order to maintain fairness and consistency for all vendors.



The BreakingPoint Resiliency Score is presented as a numeric grade from 1 to 100. Networks and devices may receive no score if they fail to pass traffic at any point or they degrade to an unacceptable performance level. The BreakingPoint Resiliency Score takes the guesswork and subjectivity out of validating network equipment and systems, allowing organizations to quickly understand the degree to which system performance, security, and stability will be impacted by user load, network reconfiguration, and newly evolved security attacks.

### About BreakingPoint Storm CTM

BreakingPoint has pioneered Cyber Tomography with the introduction of the BreakingPoint Storm CTM, enabling users to see for the first time the virtual stress fractures lurking within their infrastructures through the simulation of extreme attacks, high-stress application traffic, and the load of millions of users. The BreakingPoint Storm CTM exposes previously impossible-to-detect vulnerabilities within infrastructure components before they are exploited to destroy what is most important to you—your customer data, your assets, your reputation, and even national security.

The BreakingPoint Storm CTM is a three-slot chassis device that provides the equivalent performance and simulation of racks and racks of servers, including:

- 40 Gigabits per second of blended stateful application traffic
- 30 million concurrent TCP sessions
- 1.5 million TCP sessions per second
- 600,000+ complete TCP sessions per second
- 80,000+ SSL sessions per second
- 130+ stateful application protocols
- 4,500+ live security strikes

### BreakingPoint Advantages

Using the BreakingPoint Storm CTM, organizations can:

*Generate high-stress assaults* on network and application infrastructure devices to identify weaknesses and vulnerabilities with:

- Multi-Gigabit performance and infinite scalability
- A stateful, blended application mix and an arsenal of current attacks
- An optional toolkit to generate custom applications and attacks
- An easy-to-use interface, full automation capabilities, and integrated reporting

*Harden network and data center infrastructures* against attacks and high-stress application load:

- The BreakingPoint Resiliency Score provides standardized, repeatable, and ongoing measurement of device and network resiliency
- The comprehensive BreakingPoint Application and Threat Intelligence (ATI) program includes frequent product updates, application protocols, security strikes, and responsive support
- Validation of the performance and security of Lawful Intercept, Deep Packet Inspection, and Data Loss Prevention solutions

*Stay current* with the latest real-world applications and real-time security attacks:

- A dedicated Security and Application Research team provides the latest strikes and application protocols for simulation
- Enhanced features and performance upgrades provided regularly and automatically

### Contact BreakingPoint

Learn more about BreakingPoint products and services by contacting a representative in your area.

**1.866.352.6691 U.S. Toll Free**  
**www.breakingpoint.com**

### BreakingPoint Global Headquarters

3900 North Capital of Texas Highway  
Austin, TX 78746

email: [salesinfo@breakingpoint.com](mailto:salesinfo@breakingpoint.com)

tel: 512.821.6000

toll free: 866.352.6691

### BreakingPoint Government Solutions Group

Washington, D.C.

email: [government@breakingpoint.com](mailto:government@breakingpoint.com)

tel: 703.443.1501

### BreakingPoint EMEA Sales Office

Paris, France

email: [emea\\_sales@breakingpoint.com](mailto:emea_sales@breakingpoint.com)

tel: + 33 6 08 40 43 93

### BreakingPoint APAC Sales Office

Suite 2901, Building #5, Wanda Plaza  
No. 93 Jianguo Road

Chaoyang District, Beijing, 100022, China

email: [apac\\_sales@breakingpoint.com](mailto:apac_sales@breakingpoint.com)

tel: + 86 10 5960 3162