

To ensure a random but repeatable stream of traffic, BreakingPoint Storm CTM Application Profiles allows the selection of a random seed value that controls the product's pseudo-random number generator (PRNG). This feature allows buyers to pick a number and generate the attacks or blended application traffic the same way every time. The product will then create repeatable standardized assessments by generating random yet repeatable data to conduct direct comparisons of different security devices. It will generate all variants in the same way for each simulation executed. If a seed value is not set, the system will automatically randomize the traffic flow each time the simulation is executed.



BreakingPoint PRNG Capabilities Ensure Accurate Measurement

PRNG plays a critical role in ensuring accurate results from product bakeoffs because it allows buyers to level the playing field with randomly generated, yet repeatable traffic. But this is only part of the value of PRNG. It also eliminates the possibility that devices under stress can be programmed to recognize and react to codes embedded in the traffic. Traditional legacy testing products brand their exploits with trademarks or other recognizable content. Vendors can easily exploit this code by programming their products to recognize the code and trigger filters to easily pass product validation. While it may appear that these products are working as promised, this is no indication that the equipment is capable of recognizing and filtering real security attacks in a production network. This is an artificial technique used to demonstrate capabilities that provides a false sense of security.

BreakingPoint Storm CTM Advantages

BreakingPoint is the only vendor that can deliver realistic blended application traffic including voice, video, data and other business and recreational applications, combined with live security strikes at 40 Gigabits per second (Gbps) and faster using a single 3-slot chassis. With BreakingPoint Storm CTM Application Profiles you can easily generate a realistic yet consistent blend of application traffic and live security strikes to:

- Authenticate vulnerability filters
- Validate exploit-based signatures that are capable of blocking future variants
- Produce repeatable randomized traffic for direct product comparisons

Using BreakingPoint Storm CTM to conduct comprehensive, realistic, and standardized measurement on network devices and servers allows you to make more informed purchase decisions and risk-proof production network deployments.

Contact BreakingPoint

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

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