



SOLUTION BRIEF

COLLABORATION BETWEEN FLOWTRAQ AND VERISIGN FOR HYBRID DDoS PROTECTION

Escalating DDoS Activity Requires More Advanced Detection and Mitigation

A recent report from Verisign¹ uncovered some startling and sobering statistics:

- Based on Verisign's mitigation activity, DDoS activity increased in Q3 2015 to the highest it has been in any quarter over the last two years. Verisign mitigated 53 percent more attacks in the third quarter of 2015 than in the preceding quarter.
- In Q3 2015 the average attack size increased to 7.03 Gbps, 27 percent higher than the previous quarter.

Any business with a strategic online presence is at risk. And while DDoS detection and mitigation technologies have been around for many years, DDoS attackers have gotten more sophisticated, and network traffic has increased substantially. These new realities require a new class of solutions that are built for today's threats and environments.

Protecting your organization against DDoS attacks requires two critical capabilities. First, you need to detect the attack fast, and then you need to stop it in its tracks – all without disrupting your regular business operations. FlowTraq and Verisign have partnered to allow joint customers to do just that.

FAST DETECTION WITH HIGH VISIBILITY ON SITE

When it comes to detecting DDoS attacks fast, FlowTraq is your eyes and ears, watching your traffic locally in your data center or remotely from the cloud. For joint customers of the FlowTraq solution and the Verisign DDoS Protection Service, when a DDoS attack is detected by FlowTraq, FlowTraq automatically alerts the Verisign DDoS Protection Service of the on-going attack and the customer can request subsequent mitigation support in the Verisign cloud. The FlowTraq dashboard and the Verisign customer portal can show you exactly what is happening throughout the process.

The growing sophistication of DDoS attacks makes it increasingly difficult to distinguish good traffic from bad. FlowTraq uses advanced algorithms to determine exactly which kind of DDoS attack is happening, providing Verisign with fast and accurate intelligence so "scrubbing" can begin in a matter of minutes and you can be confident that good, filtered traffic will be allowed back onto your network.

MITIGATION FOR LARGE AND COMPLEX ATTACKS

Once a threat is detected, FlowTraq leverages the Verisign OpenHybrid™ API architecture to signal intelligence to the cloud-based Verisign DDoS Protection Service to ensure fast restoration of a customer's online services. When Verisign receives an alert from FlowTraq, Verisign can redirect Internet traffic destined for the customer's protected service to

¹ Verisign, Distributed Denial of Service Trends Report Issue 2 – 3rd Quarter 2015 (October 2015)

Verisign's global network of DDoS Protection sites. The redirection happens in the cloud (an effective way to handle today's large DDoS attacks) and minimizes impact to your network.

Upon redirection, Verisign will mitigate, monitor and analyze traffic pattern data. A dedicated, 24x7 DDoS support team scrubs redirected traffic through a combination of a proprietary globally distributed DDoS mitigation platform that scales to handle the Internet's large and complex application layer attacks, and COTs hardware that enables mitigation of a broad range of attacks. Malicious traffic is progressively blocked while filtered traffic is sent to your network, helping your organization sustain normal business operations.

SOLUTION COMPONENTS

FlowTraq delivers:

- Powerful network behavior analysis that uses machine-learning algorithms to pinpoint traffic on the network that is unusual, interesting, or possibly malicious
- Real-time and forensic visibility so you can immediately detect and alert on intruders, attacks, and exfiltration and then go back and perform full post-breach analysis
- Infinitely scalable design, specifically architected to handle unlimited volumes of traffic data by making optimal use of modern multicore processors, and to seamlessly spread over multiple physical servers, giving you unlimited processing power in a FlowTraq cluster

Verisign delivers:

- Operational expertise in DDoS mitigation, network availability and threat intelligence with a track record of maintaining 100% operational accuracy and stability of Verisign's DNS resolution infrastructure for .com/.net for over 18 years
- Robust, scalable, and globally distributed mitigation in the cloud
 - Proprietary and proven mitigation technology for mitigating large volumetric and complex application layer attacks
 - Multi-terabits per second, global network capacity with five mitigation centers and 17 points of presence
 - A global network that directly connects with over 700 networks at 1,600 points of interconnection and peers with some of the largest and best-connected Internet exchange points (IXPs) in the world

ABOUT FLOWTRAQ

FlowTraq® provides software and services for high-performance network monitoring, analytics, security and forensics to detect a range of network behaviors, including distributed denial of service (DDoS), brute force attacks, botnets, worms, network scans and other network traffic anomalies. To request a free trial of FlowTraq, visit www.flowtraq.com/trial.

ABOUT VERISIGN

Verisign, a global leader in domain names and Internet security, enables Internet navigation for many of the world's most recognized domain names and provides protection for websites and enterprises around the world. Verisign ensures the security, stability and resiliency of key Internet infrastructure and services. Verisign's Security Services include intelligence-driven DDoS Protection, iDefense Security Intelligence and Managed DNS. To learn more about what it means to be powered by Verisign, please visit verisign.com.

