Streamline Servers Values Corero for its High-Performance In-line DDoS Solution, Affordability and Excellent Support

STREAMLINE SERVERS

Streamline Servers, founded in 2007, is a market innovator in the high performance & availability computing space.

Streamline provides enterprise-grade game, dedicated, VPS and web servers to their clients. Streamline Servers differs from a traditional provider on performance, reliability and customer service.

THE CHALLENGE

Streamline Servers and their customers are routinely targeted by DDoS attacks; the company sees upwards of 50 - 100 attacks to its oceanic infrastructure daily. The attacks range from quite small, sophisticated, layer 7 attacks to large multi-GbE volumetric floods.

The company was relying on its upstream providers to mitigate any attack traffic, but that was a limited solution that did not prevent service disruption. It could take anywhere from 30 seconds to 5 minutes to kick in, so it was not a viable long-term solution. "There is nothing worse than clients experiencing service disruptions," said Nathan Harding, Chief Executive Officer, Streamline Servers. "With our clients demanding real-time solutions, we needed to investigate a product that provided true instantaneous, real-time intervention."

Offsite, cloud-based scrubbing services were not acceptable options because those have delayed attack mitigation, which would not be sufficient for Streamline's clients that are extremely latency sensitive. "Businesses that rely on Internet availability require proactive, real-time DDoS mitigation. That pushed us to look at DDoS solutions that run in-line on the network," said Harding.

THE SOLUTION

Streamline Servers deployed Corero's SmartWall® Threat Defense System (TDS) DDoS protection to provide quality service and high uptime to its customers. The Corero SmartWall TDS solution utilizes a modern DDoS mitigation architecture to automatically and surgically remove DDoS attack traffic, while still allowing good user traffic to flow uninterrupted.

Streamline chose Corero SmartWall TDS partly because it delivers the most sophisticated layer 3 to 7 DDoS protection, able to block attacks in real-time before they cause disruption to gaming sessions or enterprise applications. "Even during the evaluation period, Corero SmartWall TDS worked flawlessly, detecting and mitigating all types of attacks. Most of the other DDoS solution vendors have been so heavily focused on blocking volumetric attacks they have completely missed application-specific and layer 7 attacks," said Harding.

"We chose the Corero SmartWall® Threat Defense solution because the in-depth analytics provided by Corero allow us full visibility to monitor network traffic and patterns in real-time. This allows us to adjust accordingly to create custom flex rules for new DDoS attack types to detect and mitigate them in real-time, before they reach our clients and cause disruption to gaming sessions or enterprise application use," said Harding.

"Our favorite feature of the SmartWall devices is the visibility of attacks and being able to craft our own specific rules for the constantly changing attack vectors in the gaming market," said Harding. Other DDoS mitigation vendors that Streamline tested lacked the ability to mitigate against sophisticated layer 7 attack traffic and provided only basic breakdowns of attack periods. "DDoS attacks are constantly changing, with new attack vectors being crafted on the fly to target specific services. Being able to analyze attack traffic in real-time, from 'one pane of glass' instead of multiple screens allows us to create application-specific mitigation rules to better protect our clients."

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THE IMPLEMENTATION

The Corero SmartWall TDS is deployed in-line on the network edge, in front of traditional edge network security infrastructure devices, to ensure packets are inspected prior to reaching our clients' services, before any downstream servers or applications are impacted. This deployment model allows Streamline Servers the ability to offer comprehensive DDoS attack protection to its hosted customers.

Streamline runs its Corero devices through an anycast IP announcement setup, which allows them to advertise its IP ranges across multiple geographical locations and utilize the Corero Smartwall devices in each of these locations. This helped achieve a higher level of protection, while allowing for DDoS mitigation to occur closer to the source of the attack traffic.

The company first rolled out the Corero solution in its Sydney, Australia, office, and a few short weeks later followed with a second Corero solution in its Singapore office to protect its Singapore network from malicious attacks. This multi-site deployment enables Streamline to mitigate close to the source of an attack, before it fills the transit pipes of the entire network.

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"This is a leap forward for Streamline Servers as it extends our already significant DDoS protection umbrella." said Harding. He added, "Providing a high-quality network with multi-site DDoS mitigation has allowed us to capture more business as we can provide the level of security and confidence in this ever-changing telecommunications landscape. We provide DDoS mitigation for all our clients because we believe everyone needs DDoS mitigation; they cannot afford to take such risk."

Harding highly recommends the Corero solution because it performs extremely well, and at a very competitive price in the marketplace of DDoS solutions. He added that Corero has provided outstanding technical support throughout the implementation. "The Corero support team is absolutely on the ball; they respond quickly, with excellent insights, even when we've had to troubleshoot some difficult attack vectors," said Harding.

Streamline provides DDoS mitigation free of charge to all of its gaming, business and enterprise customers, and it offers customization services for clients that require advanced DDoS mitigation rules or network profiles. "We're very pleased that Streamline users are now able to take advantage of the most up to date and effective DDoS protection that is currently available, due to the implementation of this groundbreaking technology," said Harding. "Corero SmartWall devices allow us to focus on providing a high-quality service to our clients, rather than having to manually intervene when a DDoS attack occurs. This provides true peace-of-mind for our customers."

Corero SmartWall at a Glance

- Surgically removes attack traffic automatically, before it reaches critical systems to compromise performance and availability.

- TDS Devices deliver line-rate in-line denial of service protection from 20Gbps to 100Gbps per rack unit, in a solution that scales to Terabits per second of performance.

- Prevents extremely sophisticated layer 7 attacks, as well as state exhaustion and volumetric attacks at layers 4 and 3.

- Delivers comprehensive visibility for attack analysis and forensics.

STREAMLINE
S E R V E R S
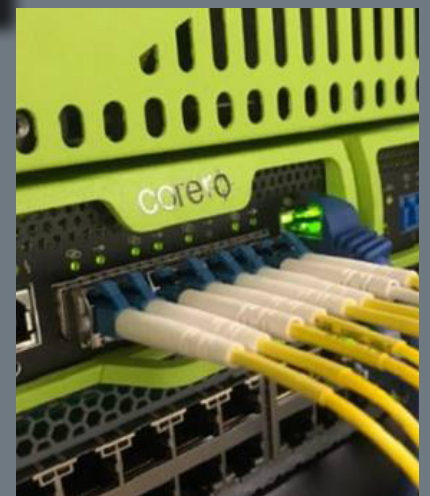
THE RESULTS

- Maintains maximum levels of reliability for applications and mission-critical systems, even in the face of a DDoS event.

- Enables Streamline Servers to mitigate DDoS attacks locally, at each of their multiple locations around the world.

- Flexible deployment configurations allow the SmartWall solution to best meet the needs of Streamline Servers' individual customers.

- High-quality service allows Streamline staff to focus on providing peace of mind to its clients, instead of spending time on manual intervention when a DDoS attack occurs.

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About Corero Network Security

Corero Network Security is a leader in real-time, high-performance DDoS defense solutions.

Service providers, hosting providers and digital enterprises rely on Corero's award winning technology to eliminate the DDos threat to their environment through automatic attack detection and mitigation, coupled with complete network visibility, analytics and reporting.

This industry leading technology provides cost effective, scalable protection capabilities against DDos attacks in the most complex environments while enabling a more cost effective economic model than previously available.

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