

Challenge

- Minimize threat of Distributed Denial-of-Service attacks
- Ensure optimized customer experience without service disruption

Solutions

- GigaFin FlowLine 500

Benefits

- Mitigation of high-throughput DDoS attacks
- Exceptional price/performance ratio
- Easy deployment and integration with existing network infrastructure

GigaFin Keeps Critical Real-time Applications Online While Defending Against Distributed Denial-of-Service Attacks

Distributed Denial-of-Service (DDoS) attacks are among the most serious issues facing organizations providing Internet services and online applications. Online gaming companies, e-commerce sites, and web application sites including Web 2.0 sites are prime targets for DDoS attacks.

These attacks occur when hundreds or thousands of computers are manipulated by malware programs that simultaneously attack a targeted system. DDoS attacks have been a particularly serious problem in South Korea, which is one of the leading sources of online gaming and Internet services. Recent DDoS attacks on virtual game item trading companies in Korea have caused a total estimated damage of over US\$1B.

i9Biz, located in Los Angeles, California, provides hosting services for over 200 companies, many of which are based in South Korea. GigaFin products enabled i9Biz's customers to reduce expenses and increase revenues by allowing them to avoid service disruptions during DDoS attacks.

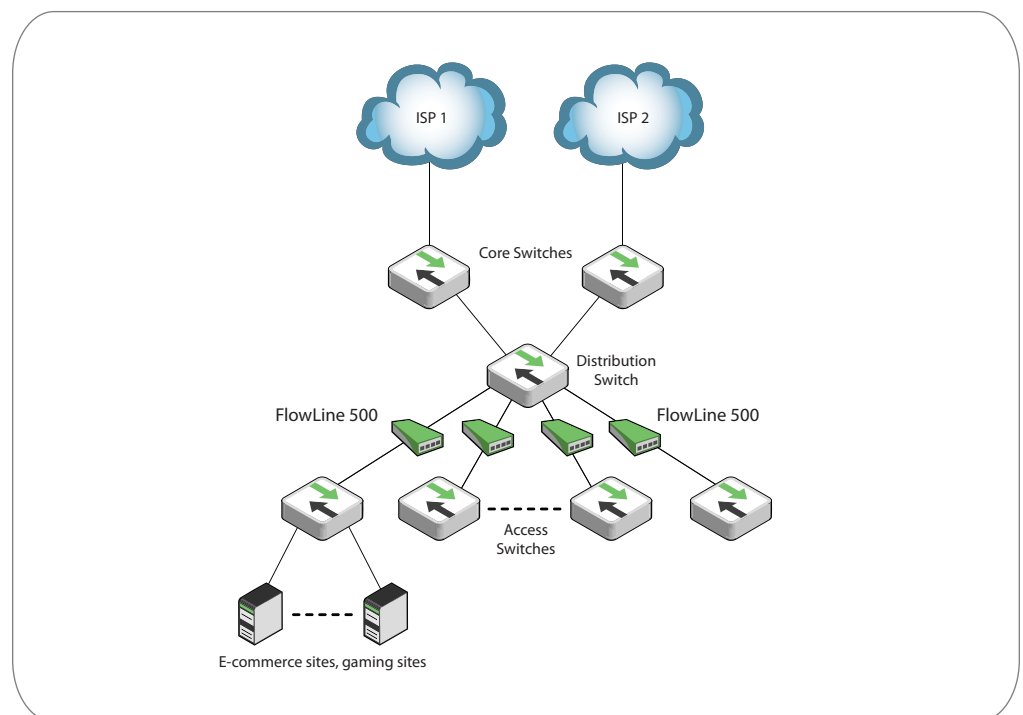
BUSINESS CHALLENGE

The frequency of DDoS attacks against Korean sites hosted on i9Biz servers was occurring on a daily basis. These incidents were impacting their operating costs, revenues, customer service and bottom line. Every minute that a website is inaccessible results in lost connectivity for their customer-base and damage to the website's reputation for delivering reliable services. Some of i9Biz's customers upgraded to higher-speed links to buffer DDoS attacks. Not only was it ineffective against protocol attacks that exhaust server resources with small bandwidth, but the scale of their attacks increased in response.

In addition, if a DDoS attack on a website is severe enough to disrupt the service of other customers, the operator of the targeted website may be asked to leave the data center for the sake of other customers. Aware of the serious consequence of DDoS attacks, customers turned to i9Biz to deliver stronger protection.

GIGAFIN NETWORKS SOLUTION

Mathew Suh, president of i9Biz, evaluated a number of products on the market. "I have evaluated solutions from the leading vendors. All have had reliability and stability problems





during an attack.” said Suh who added, “Also, because they were general-purpose IPS/IDS products, they had many unnecessary features in addition to anti-DoS and, therefore, were quite expensive.”

Suh selected the FlowLine 500 from GigaFin Networks. The FlowLine 500 is a high-performance, purpose-built appliance for remediating malicious traffic, DDoS attacks and identifying traffic patterns within network flows. “The FlowLine 500 is the right tool for the right job. I couldn’t find another anti-DoS solution that fits within my budget and supports multi-Gigabit throughput like the FlowLine 500. My customers and I don’t need to pay a premium for features we would never use,” explained Suh.

i9Biz installed four Flowline 500 appliances for one of its larger customers. The appliances are deployed on all the access links to the customer’s servers, detecting and mitigating DDoS attacks and preserving server performance. In less than an hour, the solution was up and running smoothly, and denied attacks were immediately reported.

Based on the positive experience with the FlowLine appliances, Suh is considering extending DDoS protection to other customers as a value-added service.

BENEFITS

By ensuring continuous operation, even during a DDoS attack, and eliminating the costly upgrade to higher bandwidth links, i9Biz’s customers increased revenues and lowered operating expenses. i9Biz has deployed a purpose-built solution that delivers high-end performance with the right set of features at a cost-effective price. The form factor of the FlowLine 500 also gives i9Biz the added benefit of conserving rack space by deploying three devices in a single 1RU space. Additional operating cost benefits come from the low power consumption of each device, drawing just 15 watts—one-fifth the total of comparable devices—saving energy and reducing cooling

costs. The simplicity and low overhead of the solution allows Suh and his staff to focus on more strategic projects for customers.

ABOUT GIGAFIN NETWORKS

GigaFin Networks enables organizations of all sizes to keep their networks running at peak efficiency by providing instant insight and control over traffic. GigaFin’s affordable, high-speed appliances enable users to maximize the value of their networks without performance degradation or infrastructure changes. Headquartered in Cupertino, California, GigaFin was founded in December 2002 and has received funding from leading VC firms Sevin Rosen Funds, Worldview Technology Partners and Incubic Venture Capital. Further information on the company can be found at <http://www.gigafin.com>.

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