CASE STUDY

NSFOCUS
SECURITY MADE SMART AND SIMPLE

Cloud DPS – Optimization for a Managed Security Service Customer

About NSFOCUS

NSFOCUS is an iconic network and cyber security provider for telecom carriers, BFSI, enterprises, healthcare, retail and SMBs. It has a proven track record of protecting over 25% of the Fortune Global 500 companies, including four of the five largest banks and six of the world's top ten telecommunications companies.

NSFOCUS delivers a holistic suite of security products powered by industry leading threat intelligence. These security products work in concert to protect you from massive volumetric DDoS attacks, Web threats and advanced persistent threats (APTs).

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CHALLENGE

Today DDoS attacks are continuing to increase in frequency, volume and duration to affect a business's continuity and reputation. DDoS mitigation capability has become the top priority for CIO/CISOs in enterprises, Internet content providers and governments, while they may have to face the challenge of finding sufficient experienced security professionals to build, maintain and operate the DDoS mitigation capability on premises or on the cloud.

FAST AND HANDS-FREE SERVICE

With 8 global Scrubbing Centers carrying Terabit capacity, NSFOCUS Cloud DDoS Protection Service ensures that its customers will be protected against even the largest DDoS attacks in the history. Customer would need only a few hours or a few days until their IT infrastructure can be protected based on the traffic diversion option that they choose.

Customers could also enjoy the Managed Security Service (MSS) offered by NSFOCUS 24/7 Security Operations Center global wide, regardless of service levels they have booked.

Customers under MSS could receive hands-free services including proactive traffic monitoring, fine tuning, attack incident alerts, attack emergency response with expert intervention and optimized SLA include mitigation effect.

Advanced reports by experts, dedicated service account managers and governance meetings are also available for customers who need extensive reports and expert advices to optimize its services.

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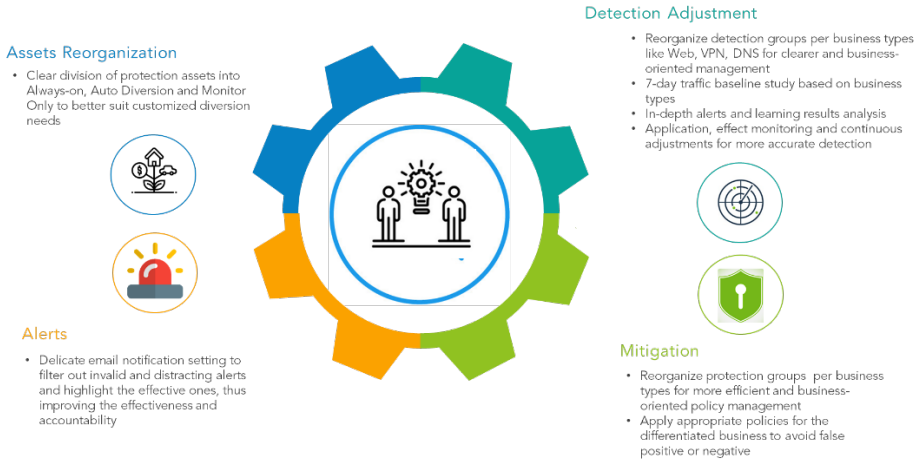
CASE EXAMPLE:

A GIANT ENTERPRISE CUSTOMER HAS EARNED FROM OPTIMIZATION SERVICE AS PART OF NSFOCUS MANAGED SECURITY SERVICE

A. Main Optimization Activities



B. Detection Optimization

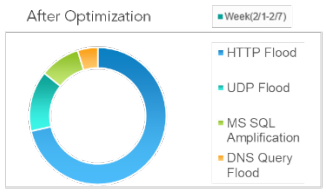
97% Relative improvement on false positive

- Before policy-tuning, there are 400 alerts per week, however, after policy-tuning, only 12 alerts reported by the detection appliance.
- With alert log analysis and baseline study result comparison, the false positive accountability is decreased from 90% to 5%.

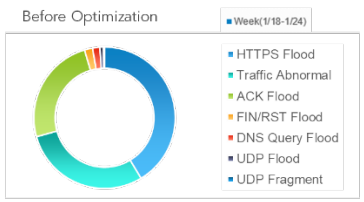
Increased detection accuracy

Accuracy Up to 80%

- Before policy-tuning, various DDoS attack type are detected. The majority are normal business traffic exceeding the improper threshold, leading to 85% false positives.
- After policy-tuning, the DDoS Attacks are mainly DNS and UDP. The number of business related attacks is greatly reduced, with accuracy increased up to 80%.



DDoS Attack Event



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C. Protection Optimization

NSFOCUS Cloud

7 PGs

The business domains are well-organized into differentiated groups for delicate protection

Enhanced Mitigation

With the improved diversion effectiveness and delicate protection policy applied, mitigation effect is greatly improved and false/positive negative is reduced

D. Evolving Work

Never-cease tuning

MSS team will conduct policy adjustments continuously as per the business updates and analysis day by day for better compatibility and mitigation

Proactive baseline study

For those assets within Auto Diversion group, MSS team conducted traffic baseline study to provide reference for threshold setting in the aim of minimizing the possibility of false/positive negatives for those prefixes without business info yet.

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