

# Cloud DPS

## Cloud DDoS Protection Service for Hosting Providers

While there is no shortage of news when it comes to cyber-attacks and their devastating effects on enterprises; it may be surprising to know that DDoS attacks are still on the rise. In fact, DDoS attacks continuing to increase in frequency, volume and duration. While sophisticated attacks are what gets covered in the news, DDoS attacks have become a staple for cyber-attackers to use when looking to affect a business's continuity and reputation, or a way to generate income.

Today's enterprises are constantly under attack from cybercriminals seeking to harm or extort victims for cash rewards. The explosion of internet connected devices has given rise to more significant than ever attacker controlled botnets that are easily leveraged for DDoS Attacks. These attacks are taking advantage of volumetric tactics as well as expanding on application vectors, making them difficult to defend. With internet access now a critical component of any business, it is impossible to shut down services and wait for the attack to subside, leaving enterprises with the decision to invest in on-premise equipment, or seek out a cloud DDoS protection service.

### INCREMENTAL SERVICE OFFERING WITH NO ADDITIONAL OVERHEAD

NSFOCUS DDoS Cloud infrastructure leverages carrier grade DDoS protection appliances and spans the globe to provide multi-terabit DDoS protection. The NSFOCUS DDoS Cloud can be easily tied into your existing infrastructure, giving you the ability to offering an instant incremental service without the traditional build-out or additional operational overhead associated with new service development.

Customers can easily include DDoS protection in addition to their current hosting services, and the NSFOCUS DDoS Cloud will automatically detect the beginning of a DDoS attack and redirect all attack traffic through the DDoS Cloud service. Customers will continue operation without any service disruptions while attack traffic is remediated for the duration of the attack.

### REMOTE SCRUBBING FOR ENHANCED PERFORMANCE

Unlike other DDoS Cloud Protection providers that require a permanent connection to a local data center for all traffic, NSFOCUS has developed a remote DDoS scrubbing capability that absorbs attack traffic at the source (globally), while ensuring local traffic is unaffected and is not re-routed which would incur additional latency.

Large-scale DDoS attacks wreak havoc not only on the victim but also the infrastructure hosting the targeted systems can become overwhelmed, which in turn can affect co-located customers. Since many of the attacks mostly originate in remote locations, the ability to remediate these attacks at their origin ensures that the hosting infrastructure is preserved, while local customers keep optimum performance.

### RIGHT SIZED DDOS CLOUD PROTECTION

The NSFOCUS Cloud DDoS Protection is designed to flex with the attack volume and duration. Regardless of the attack size, the NSFOCUS service can absorb attacks that exceed multiple terabytes. The ability to flex DDoS traffic with the attack, even if they are geographically spread across the globe, ensures attacks are suppressed while allowing legitimate traffic to continue unhindered, and you are never under-provisioned.

### HYBRID OFFLOAD

The NSFOCUS DDoS Cloud is built on field-proven, carrier-grade DDoS protection appliances. These appliances are deployed in multiple data centers across the globe. In addition to using the cloud protection, providers can also benefit with on-premise appliances that can seamlessly remediate multi-gigabyte DDoS attacks. When combined with the DDoS cloud, the traffic can transparently be rerouted through the cloud to deal with large-scale attacks that go beyond the capacity of the appliance. This transition is seamless and included as part of the NSFOCUS Cloud DDoS protection service.

### GLOBAL PRESENCE WITH SMART POP

Smart PoPs often refer by our customers as sizable nodes which serves as point of presence for their targeted customer. Every Smart PoP are tailored with NSFOCUS DDOS on-premise local traffic handling and bursting into NSFOCUS Cloud to deal with unexpected capacity. This allows quick global presence expansion of your business for revenue opportunity with minimal capital expenditure. With the combined NSFOCUS DDoS appliances and Cloud DDOS services you can easily scale your traffic handling to absorb major attacks globally. Sizing your business now can be less trivial with unprecedented confidence that NSFOCUS DDOS service are ready to support your next big wave of attack.

### BENEFITS

#### WIDE RANGE OF ATTACK

**PROTECTION** - NSFOCUS Cloud DDoS Protection Service provides a wide range of mitigation policies and algorithms capable of defeating L3/ L4 and L7 DDoS attacks, regardless of their size, frequency duration, and complexity

#### DELIVERING CLEAN TRAFFIC -

NSFOCUS provides flexible "clean traffic re-injection" options when connecting to the NSFOCUS Cloud. Due to traditional GRE approaches being less reliable, NSFOCUS provides direct access within a common data center or alternatively, through NSFOCUS Partner Connection Program – providing reliable access to over 150 data centers globally

#### GLOBAL NETWORK PRESENCE -

NSFOCUS Terabit+ network spans multiple continent and is continually growing. NSFOCUS is able to efficiently mitigate all DDoS attacks and delivers your clean traffic back to you, through the most latency efficient route available; regardless of where the attack originates

**FLEXIBLE OPTIONS** - There are flexible options available with models serving all customers, when using the NSFOCUS Cloud. NSFOCUS does not penalize for needing always-on vs. on-demand, nor are there additional charges to protect additional IP addresses

**HYBRID READY** - The NSFOCUS Cloud is hybrid-ready when used with On-Premises Defenses, providing unlimited DDoS mitigation to protect your infrastructure