



FortiDDoS and Verisign DDoS Protection Service

Utilization of the FortiDDoS On-Premise Solution and the Verisign DDoS Protection Cloud Solution for Complex and High-volume DDoS Mitigation

Distributed Denial of Service (DDoS) attacks are some of the oldest cyber attack methods going back to the earliest days of the Internet. Even though DDoS attacks have been around for a long time, they continue to be the one of the top threat to networks and applications around the world.

Fortinet's FortiDDoS Mitigation Appliances offer industry-leading DDoS detection and mitigation for all types of Layer 3, 4 and 7 DDoS attacks. While FortiDDoS can mitigate any DDoS attack to the limit of the incoming bandwidth available, an attack can still overwhelm the incoming link(s) or upstream resources.

FortiDDoS and Verisign DDoS Protection Service for Upstream and Large Volumetric DDoS Attack Protection

For joint customers of FortiDDoS and the Verisign DDoS Protection Service, when FortiDDoS detects an attack that exceeds the joint customer's defined threshold on the Internet link(s), it automatically alerts the Verisign DDoS Protection Service for further evaluation by Verisign's DDoS engineers. If the attack is determined to be a service-disrupting event, the joint customer can request Verisign to redirect the traffic to its scrubbing centers for mitigation and return the clean traffic back to the joint customer.

CHALLENGE

- Protect against volumetric DDoS attacks
- Prevent inbound connection floods (L3-L7 Anomaly, flood, slow attacks)
- Provide behavioral detection

SOLUTION

- Utilization of an on-premise solution and cloud based solution
- FortiDDoS for on-premise, always on DDoS mitigation
- Verisign cloud-based, DDoS protection service for scalable, on-demand DDoS mitigation

BENEFITS

- Comprehensive protection against a broad range of attacks
- Reduced overall DDoS mitigation costs
- Minimal setup and configuration



With the Verisign DDoS Protection Service, customers benefit from a cloud-based service and a team of security experts who can continuously monitor your network traffic and alerts from FortiDDoS, detect and block malicious traffic from its network while filtering clean traffic back to its network to help customers sustain normal business functions. Verisign leverages its globally distributed and purpose-built proprietary platform, Athena, to protect against both volumetric and complex application layer attacks, including SSL layer attacks.

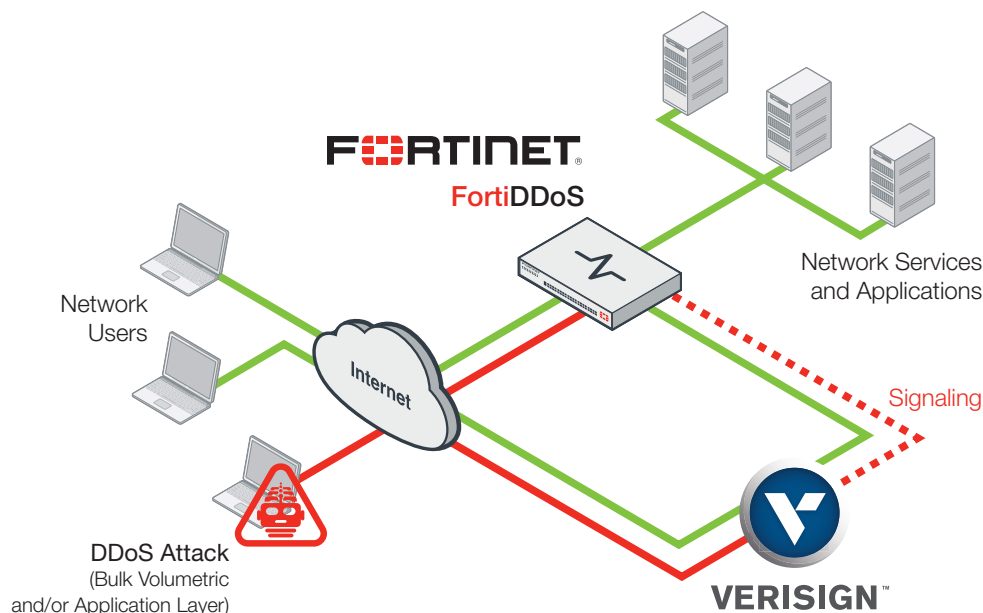
FortiDDoS DDoS Attack Mitigation Appliances

The FortiDDoS family of purpose-built appliances detect and prevent DDoS attacks while providing real-time network visibility. FortiDDoS helps to protect internet-facing infrastructure from threats and service disruptions by surgically removing network and application-layer DDoS attacks. It defends critical on-premise and cloud infrastructure from attacks while relying on sophisticated filtering technologies to allow legitimate traffic to continue to

flow. These scalable, high-performance appliances deliver proven DDoS defenses, and are completely interoperable with existing security technologies and network infrastructure.

Verisign OpenHybrid™

The Verisign DDoS Protection Service incorporates Verisign OpenHybrid™, a RESTful API based signaling architecture that enables interoperability with on-premise or cloud-based third party technologies such as FortiDDoS appliances. FortiDDoS on-site device can automatically generate alerts based on predefined thresholds and deliver such alerts to Verisign to allow a customer to request mitigation services from Verisign, thus providing the customer with the combined benefits of both on-premise and cloud-based DDoS protection services. Alerts generated from the FortiDDoS appliances and delivered to Verisign and any associated mitigation services provided by Verisign to customer, can be viewed by customer on the Verisign DDoS Protection Customer Portal.



Verisign DDoS Protection Service

Alert signal sent by FortiDDoS is received Verisign triggering investigation for possible traffic redirection to the Verisign scrubbing centers.

FortiDDoS detects an increased DDoS attack and sends an alert to the Verisign DDoS Protection Service to allow a customer to redirect their traffic to the Verisign DDoS Protection sites.



FortiDDoS 1000B

Solution Benefits

- Always-on DDoS defense delivered via the FortiDDoS on-premise appliance(s)
- Protection against increasingly frequent pipe saturation attacks
- Superior mitigation for fully saturating, volumetric attacks that exceed the customer's network capacity
- Utilization of an on-premise and cloud-based solution to create massive scalability
- Minimized operational involvement with attack re-direction to cloud, based on customer-defined thresholds
- DDoS event reporting and analytics on-premise, coupled with visibility of attack countermeasures applied in the cloud
- Next generation technology, built to grow with the needs of a customer's business

FortiDDoS open API integration with the Verisign DDoS Protection Service provides scalable mitigation protection.

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, including the .com and .net domains and two of the Internet's root servers, as well as performs the root-zone maintainer functions for the core of the Internet's Domain Name System (DNS). Verisign's Network Intelligence and Availability services include intelligence-driven Distributed Denial of Service Protection, iDefense Security Intelligence and Managed DNS. To learn more about what it means to be Powered by Verisign, please visit VerisignInc.com.

About Fortinet

Fortinet (NASDAQ: FTNT) protects the most valuable assets of some of the largest enterprise, service provider and government organizations across the globe. The company's fast, secure and global cyber security solutions provide broad, high-performance protection against dynamic security threats while simplifying the IT infrastructure. They are strengthened by the industry's highest level of threat research, intelligence and analytics. Unlike pure-play network security providers, Fortinet can solve organizations' most important security challenges, whether in networked, application or mobile environments - be it virtualized/cloud or physical. More than 210,000 customers worldwide, including some of the largest and most complex organizations, trust Fortinet to protect their brands. Learn more at <http://www.fortinet.com>, the Fortinet Blog or FortiGuard Labs.



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