CHECK POINT AND RADWARE
MAXIMIZE YOUR PROTECTION AGAINST SSL ENCRYPTED ATTACKS

CHECK POINT AND RADWARE SOLUTIONS EXTEND ATTACKS DETECTION COVERAGE TO FULLY PROTECT AGAINST SSL ATTACKS AS WELL AS UPSCALING SSL SECURITY – ALL WITH THE SAME BOX

Benefits

- Increase attack coverage by detecting attacks inside encrypted communications
- Protect application resources against all types of DoS/DDoS attacks using world leading attack mitigation technology
- Scale security capacity by offloading CPU intensive decryption from Check Point NG Firewalls to Alteon SSL accelerator
- Increase availability and performance of security services thanks to Alteon ADC load balancing feature set

[1] Source: Radware Global Application & Network Security Report, 2014

INSIGHTS

Attacks within Web services (HTTP and HTTPS) are now the most common threat vector[1]. Organizations are especially concerned about attacks within encrypted Web services (HTTPS) because they are difficult to identify and mitigate. Using encrypted messages as an evasive technique, attackers may be able to evade front line network security defenses such as firewalls, Intrusion Prevention Systems (IPS) and Denial of Service (DoS and DDoS) protections.

Defenses which are capable of decrypting HTTPS packets use more CPU resources when compared with the inspection of clear text traffic. Even at relatively low rates of requests per second this additional processing amplifies the impact of DoS and DDoS attacks, thus diminishing the effectiveness of perimeter security devices. One solution is to deploy a device at the perimeter to decrypt SSL connections (SSL termination). Unfortunately the encrypted sensitive data is then prone to eavesdropping and is no longer secure.

MAXIMIZING SSL SECURITY

There is a better solution. The Radware Alteon Next Generation Application Delivery Controller (ADC) provides SSL acceleration and security services load balancing. Together, Check Point and Radware solutions extend attacks detection coverage to fully protect against SSL attacks as well as upscaling SSL security and front line security solutions:

- Check Point DDoS Protector and Alteon ADC solution detects SSL-based DoS and DDoS attacks. The joint solution mitigates SSL attacks without adding latency to legitimate user traffic maintaining the availability of web services.
- Alteon ADC offloads CPU intensive decryption and encryption of SSL traffic from Check Point Next Generation Firewalls enabling the Check Point devices to concentrate on security detection and prevention.
- Alteon ADC enables to scale security services capacity by transparently adding more Check Point security appliance or blades. Alteon ADC features advanced load balancing application performance monitoring to ensure the application SLA.

Check Point DDoS Protector   Radware Alteon ADC   Check Point NG Firewalls

- SSL Attacks protection

- Offload SSL traffic processing
- Firewall load balancing

PROTECT WEB APPLICATIONS AGAINST SSL-BASED DDOS ATTACKS

Check Point DDoS Protector detects and mitigates network and application DoS and DDoS attacks in real time. Together with the Radware Alteon ADC that decrypts suspicious SSL traffic, the joint solution extends the protection coverage of attacks targeting web applications. When the network is flooded with abnormal amounts of encrypted web traffic, DDoS Protector redirects the suspicious traffic to Alteon ADC for traffic decryption. Alteon sends back the clear text to the DDoS Protector which applies a real-time signature detection technology and advanced challenge-response mitigation technique to differentiate between legitimate user traffic and attack traffic. The joint solution detects application DDoS attacks and mitigates them without blocking legitimate user traffic.
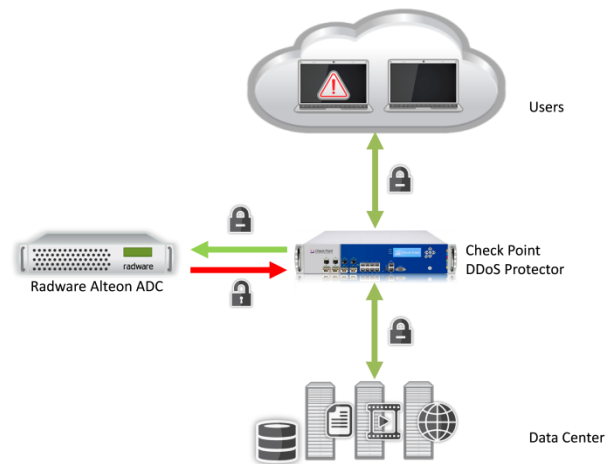
## SCALE SECURITY CAPACITY BY OFFLOADING SSL TRAFFIC

Check Point Next Generation Firewalls identify and control applications by user and scan content to stop threats—with IPS and Application Control. Check Point NG Firewalls can detect and protect against attacks and malicious network activity nested in encrypted traffic. Alteon ADC is equipped with a high-performance SSL acceleration engine, enabling to offload CPU intensive SSL traffic processing from Check Point Firewalls. Check Point Firewalls can concentrate on traffic inspection applying security policies and services.
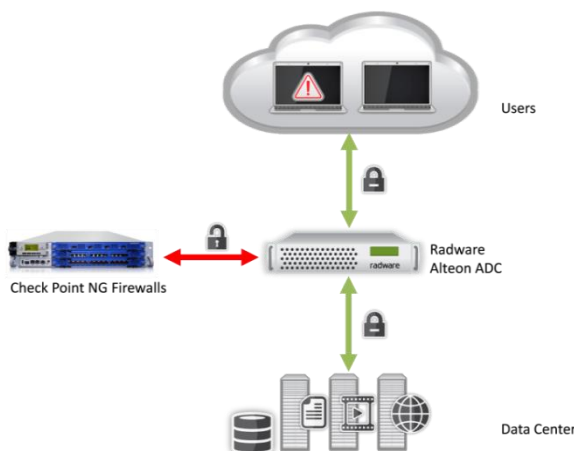
INCREASE SERVICE AVAILABILITY AND SECURITY CAPACITY WITH FIREWALL LOAD BALANCING

Radware Alteon ADC is the industry-only application delivery controller built from the ground up to ensure application SLA. Alteon ADC leverages several next-generation services on top of advanced load balancing and health monitoring, bundling FastView Web Performance Optimization (WPO) and Application Performance Monitoring (APM).

Alteon ADC enables to scale security capacity by transparently adding more Firewall resources, maintaining user session persistency and bypass network or hardware failures.
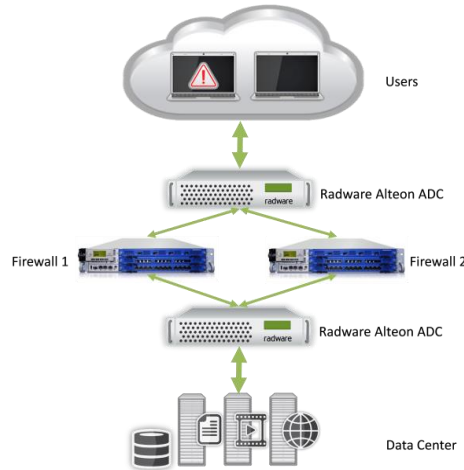
About Check Point

Check Point Software Technologies Ltd. (www.checkpoint.com), is the largest pure-play security vendor globally, provides industry-leading solutions, and protects customers from cyberattacks with an unmatched catch rate of malware and other types of attacks. Check Point offers a complete security architecture defending enterprises' networks to mobile devices, in addition to the most comprehensive and intuitive security management. Check Point protects over 100,000 organizations of all sizes. At Check Point, we secure the future.

About Radware

Radware (NASDAQ: RDWR), is a global leader of application delivery and application security solutions for virtual and cloud data centers. Its award-winning solutions portfolio delivers full resilience for business-critical applications, maximum IT efficiency, and complete business agility. Radware's solutions empower more than 10,000 enterprise and carrier customers worldwide to adapt to market challenges quickly, maintain business continuity and achieve maximum productivity while keeping costs down, visit www.radware.com.