



CHECK POINT + A10 NETWORKS HIGH PERFORMANCE SSL THREAT INSPECTION

BENEFITS

Get scalability, reliability, and high performance threat prevention with our Check Point next generation firewall and A10 Thunder ADC integrated solution.

- Uncover concealed threats at high speeds from outbound and inbound SSL/TLS traffic
- Scale security capacity and maximize uptime with integrated load balancing
- Protect perimeter and datacenter scenarios using multiple deployment options
- Search and analyze A10 logs with Check Point SmartLog and SmartEvent

BEST-IN-CLASS SECURITY AND SCALE

Today, organizations are required to protect against an ever-increasing number of sophisticated attacks, including known, unknown and web-based threats. With the availability of more security capabilities, including IPS, Threat Emulation, Anti-Bot, Application Control and URL Filtering, organizations need to optimally utilize their security gateways and elastically grow their security capacity to keep up with overall traffic growth. On top of escalating security and bandwidth requirements, more and more applications support SSL, and users are increasingly relying on encryption to protect their communication with servers.

The recent growth in SSL traffic has been fueled by increasing awareness by enterprises and individuals for privacy and security. The increase in SSL traffic is attributed to two use cases – in the first, SSL Inbound, the SSL traffic is originated from external users to corporate-owned application servers, while in the second use case, the outbound SSL traffic is originated from the corporate internal users to external servers. To effectively prevent threats, block bots, and control users' access to web applications, organizations must inspect all traffic, including the most advanced SSL encrypted bit streams, with no impact on security capacity. Furthermore, security capacity should grow per need in order to support more security functions or increasing network traffic.

UNCOVER THREATS IN ENCRYPTED TRAFFIC

With Check Point and A10 integrated solution, organizations can effectively prevent the most-advanced malicious attacks hidden in the widest range of SSL encrypted traffic, without compromising on performance.

Check Point, the worldwide leader in network security, offers four security gateway bundles, including Next Generation Firewall, Next Generation Threat Prevention, Next Generation Secure Web Gateway and Next Generation Data Protection. Next Generation Firewall includes top-notch IPS and application level firewall, with the largest web and application coverage. Next Generation Threat Prevention adds real time multilayer protection against exploits of known vulnerabilities, malware, spam and sophisticated bots operating under external control.

The A10 Networks® Thunder™ ADC product line is a world-leading, high-performance family of application delivery controllers. With its integrated SSL Insight™ technology, Thunder™ ADC decrypts SSL traffic and sends the decrypted traffic to the Check Point Next Generation Firewall for inspection and analysis, and then encrypts the traffic again and forwards it to the intended destination. A10's SSL Insight technology enables organizations to utilize one hundred percent of Check Point gateways' capacity to protect network traffic without needing to perform computationally-intensive SSL encryption and decryption processes. Thunder ADC functions as an SSL forward proxy in order to intercept SSL traffic. From both the client's and the server's point of view, there still is an end-to-end encrypted session that is only decrypted within the client's network, in a contained environment. With SSL acceleration hardware, Thunder ADC delivers near parity performance between 1024-bit and 2048-bit key sizes and has the extreme power needed to handle 4096-bit keys at high-performance production levels.

SCALE SECURITY CAPACITY WITH INTEGRATED LOAD BALANCING

With its load-balancing capabilities, Thunder ADC provides high availability and scale, enabling organizations to deploy multiple Check Point Next Generation Firewalls. Furthermore, it allows organizations to easily increase security capacity, enabling more security blades and supporting increased traffic throughput.

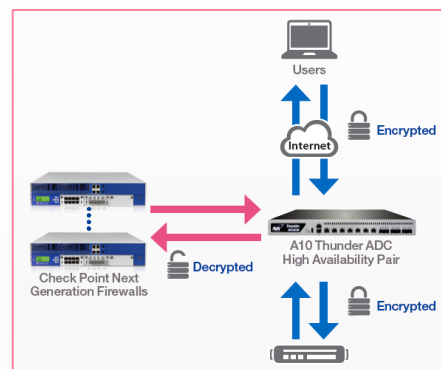
Supporting a wide range of load-balancing algorithms, including round robin, weighted round robin, least connections and fastest response, Thunder ADC scales Check Point deployments and allows organizations to keep up with growing bandwidth requirements. Advanced health monitoring ensures that Check Point security gateways are responding as expected and routes traffic to available firewall appliances. With scriptable health checks, Thunder ADC can evaluate the responsiveness of multiple firewall appliances based on a wide set of criteria and direct traffic to the best firewall appliance to meet performance and latency goals.

PROTECT PERIMETER AND DATACENTER SCENARIOS

Check Point and A10 Thunder ADC can be deployed in a variety of options to support various user cases and security needs. For maximum efficiency, both corporate-owned servers (inbound traffic) and corporate users (outbound traffic) can be secured using one set of Check Point and A10 appliances.

In a typical scenario, a pair of Thunder ADC appliances in a high availability configuration decrypts the SSL traffic and forwards it to a cluster of Check Point Next Generation Firewalls for multi-layer protection, and then re-encrypts it. As shown in figure 1, for each SSL session:

1. A10 Thunder ADC decrypts the SSL traffic and sends it to the appropriate Security Gateway in a Check Point cluster
2. Check Point Next Generation Firewall appliance inspects the traffic for malicious activity and, if the traffic does not violate the security policy, forwards it back to A10 Thunder ADC
3. A10 Thunder ADC encrypts the data, and sends it to the intended server or user.



In a segmented network within the datacenter, A10 Thunder ADC can optionally send the decrypted traffic directly to the servers, and load-balance the application servers.

CONCLUSIONS

To effectively prevent threats, block bots, and control users' access to web applications, organizations must inspect all traffic, including SSL encrypted streams, with no impact on security capacity. Furthermore, organizations should be able to provision multiple Check Point Security Blades and support current and future throughput requirements. Since SSL traffic accounts for a large – and growing – percentage of all network traffic, SSL exposes dangerous blind spots in corporate defenses. A10 Thunder ADC offers Check Point customers an easy-to-deploy, high-performance solution terminating inbound and outbound SSL communications and maximizing the scale of Check Point deployments. With A10 Thunder ADC, organizations can optimally utilize Check Point gateways to protect against the most advanced security threats and easily increase security capacity per need. The joint solution was successfully tested and validated, and effectively protects leading organizations worldwide.

About Check Point

Check Point Software Technologies Ltd., the worldwide leader in securing the Internet, provide uncompromised protection against all types of threats. We pioneered the industry with FireWall-1 and its patented stateful inspection technology. Today, we continue to develop new innovations based on the Software Blade Architecture. Flexible, simple, and easy to deploy security modules enable you to custom build your solution. Visit www.checkpoint.com for more information.

About A10 Networks

A10 Networks is a leader in application networking, providing a range of high-performance application networking solutions that help organizations ensure that their data center applications and networks remain highly available, accelerated and secure. Founded in 2004, A10 Networks is based in San Jose, California, and serves customers globally with offices worldwide. For more information, visit: www.a10networks.com.

CONTACT US

Worldwide Headquarters | 5 Ha'Solelim Street, Tel Aviv 67897, Israel | Tel: 972-3-753-4555 | Fax: 972-3-624-1100 | Email: info@checkpoint.com

U.S. Headquarters | 959 Skyway Road, Suite 300, San Carlos, CA 94070 | Tel: 800-429-4391; 650-628-2000 | Fax: 650-654-4233 | www.checkpoint.com