

# PALO ALTO NETWORKS AND CORSA SECURITY

## Scaling Traffic Inspection for High-Capacity Networks

### Benefits of the Integration

Corsa Security and Palo Alto Networks together provide an integrated security solution for high-capacity networks, enabling joint customers to:

- Enjoy cloud-like elasticity and manageability of on-premises network security virtual appliances.
- Maintain predictable performance for any inspection and threat prevention based on scale-out architecture.
- Eliminate dedicated hardware appliances and associated refresh cycle.
- Support multiple network security services in the same platform simultaneously.
- Leverage a pay-as-you-grow monthly subscription model with 5x improved economics.

More than 70% of today's network traffic is now SSL/TLS-encrypted. For high-capacity networks, all this encrypted traffic causes security appliance performance to drop dramatically, compounded by the growth of traffic volumes and traffic mix producing unpredictable network and security performance. Operations teams find themselves turning off policy to alleviate performance issues. This reduces traffic inspection and creates opportunities for attackers to successfully infiltrate a network, causing untold damage.

### Corsa Red Armor

Corsa Red Armor is a turnkey network security virtualization platform that scales out virtualized security appliances. It is a private cloud approach to scale traffic inspection so you can elastically add capacity to meet increasing bandwidth demands. Gone is the need to upgrade specialized, single-purpose hardware. This lets network owners focus on security policy while the sophisticated integration of the Corsa turnkey platform takes care of scaling traffic inspection and other network security services.

### Palo Alto Networks VM-Series

Palo Alto Networks VM-Series Virtualized Next-Generation Firewall protects your applications and data with next-generation security features that deliver superior visibility, precise control, and threat prevention at the application level. The VM-Series platform combines network and endpoint security with threat intelligence and accurate analytics to help streamline routine tasks, automate protection, and prevent cyber breaches. Automation features and centralized management allow you to embed security into your application development process, ensuring security can keep pace with the speed of the cloud. Tight integrations across the platform and with ecosystem partners deliver consistent security by providing the right capabilities at the right place across all stages of an attack lifecycle.

### Palo Alto Networks and Corsa Security

The Corsa Red Armor platform lets users spin up and down virtualized inspection capacity by intelligently load balancing traffic between as many VM-Series instances as needed. VM creation and performance is managed seamlessly from the Corsa Red Armor Manager, a virtualized infrastructure manager. In addition, the Red Armor Manager is tightly integrated with Palo Alto Networks Panorama™ network security management, enabling at-scale stateful inspection—including SSL/TLS decryption—to be performed using a cluster of VM-Series instances.

This turnkey platform is transforming traditional network security to software-defined network security, allowing users to have a cloud-like experience managing their on-premises network security infrastructure. With the click of a button, one can predictably add inspection capacity without worrying that inspection profiles might affect network performance. This scale-out approach is the only viable approach to inspecting the increasing volume of SSL/TLS-encrypted traffic.

### Use Case: Encrypted Traffic on the Rise in the Network

#### Challenge

Increased load of encrypted traffic is bogging down traditional hardware-based appliances as the 70% of network traffic being encrypted quickly moves toward 100%. Enabling inspection of encrypted traffic on a hardware-based appliance leads to a significant drop in performance, and these devices cannot keep up with the demands being placed on them.

#### Answer

Deploy as many VM-Series instances as needed to inspect all the traffic flowing through your network, including encrypted traffic, and link the virtual appliances together in an easy-to-manage private cloud.

Corsa Security's Red Armor platform is used to load-balance traffic across multiple VM-Series instances to easily inspect all of your traffic. As traffic continues to grow, scaling is as easy as a single-click order from Corsa and adding more VM-Series licenses.

#### Implementation

Using Corsa Red Armor and the VM-Series, customers can start to apply policy and inspect traffic within hours of delivery as the integrated offering can be deployed into any network without requiring any changes in the network design.

#### About Corsa Security

Corsa Security is leading the transformation of network security with a private cloud approach that helps large enterprises and service providers scale network security services with unwavering performance, unparalleled flexibility and unmatched simplicity. To start on your software-defined network security journey, visit [corsa.com](https://corsa.com).

#### About Palo Alto Networks

Palo Alto Networks, the global cybersecurity leader, is shaping the cloud-centric future with technology that is transforming the way people and organizations operate. Our mission is to be the cybersecurity partner of choice, protecting our digital way of life. We help address the world's greatest security challenges with continuous innovation that seizes the latest breakthroughs in artificial intelligence, analytics, automation, and orchestration. By delivering an integrated platform and empowering a growing ecosystem of partners, we are at the forefront of protecting tens of thousands of organizations across clouds, networks, and mobile devices. Our vision is a world where each day is safer and more secure than the one before. For more information, visit [www.paloaltonetworks.com](https://www.paloaltonetworks.com).

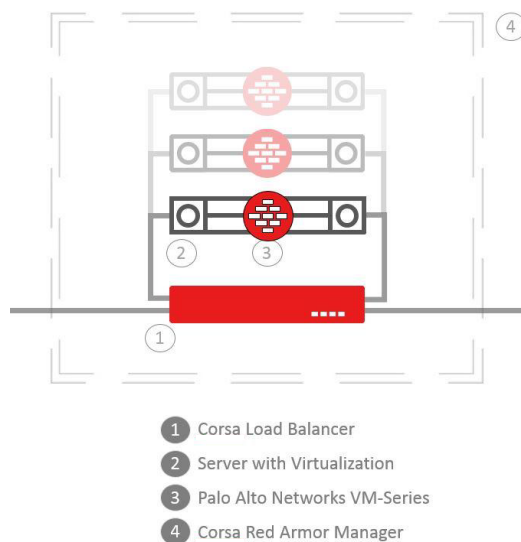


Figure 1: Palo Alto Networks and Corsa integration



3000 Tannery Way  
Santa Clara, CA 95054  
Main: +1.408.753.4000  
Sales: +1.866.320.4788  
Support: +1.866.898.9087  
[www.paloaltonetworks.com](https://www.paloaltonetworks.com)

© 2019 Palo Alto Networks, Inc. Palo Alto Networks is a registered trademark of Palo Alto Networks. A list of our trademarks can be found at <https://www.paloaltonetworks.com/company/trademarks.html>. All other marks mentioned herein may be trademarks of their respective companies. palo-alto-networks-and-corsa-tpb-090919