

Palo Alto Networks and Corsa Security

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 their associated refresh cycles.
- Support multiple network security services in the same platform simultaneously.
- Leverage a pay-as-you-grow monthly subscription model with 5x improved economics.

The Challenge

Network traffic volumes are rising year over year, with more than 70% of all traffic now TLS/SSL-encrypted. This places a huge burden on security appliances, leading to unpredictable network throughput and security performance. Operations teams find themselves turning off policies to alleviate performance issues, which in turn reduces traffic inspection and creates opportunities for attackers to infiltrate the network, potentially causing untold damage.

To better protect their networks, network and security teams need cost-effective traffic inspection capacity that can be rapidly deployed and dynamically scaled without affecting network throughput performance. This will allow them to inspect 100% of the traffic they need to as well as dramatically reduce the risk of a network security breach.

Corsa's Network Security Virtualization Platform

The turnkey Corsa Network Security Virtualization Platform simplifies how large enterprises and service providers scale traffic inspection, including TLS/SSL-encrypted traffic, at a much lower total cost of ownership (TCO). By tightly

integrating virtualization with intelligent orchestration, Corsa Security streamlines deployment, management, and operations of virtual next-generation firewall arrays for large networks. Customers subscribe to the Corsa Security service as they grow while never having to deal with the infrastructure.

Palo Alto Networks

Palo Alto Networks VM-Series Virtual Next-Generation Firewalls protect applications and data with next-generation security features that deliver superior visibility, precise control, and threat prevention at the application level. The VM-Series 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 users to embed security in their 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 Security platform lets users spin up and down virtualized inspection capacity by intelligently load-balancing traffic between as many Palo Alto Networks VM-Series instances as needed. VM creation and performance is managed seamlessly from the Corsa Security Orchestrator, a virtualized infrastructure manager. In addition, the Security Orchestrator is tightly integrated with Palo Alto Networks Panorama™ network security management, enabling chassis-scale stateful inspection—including TLS/SSL decryption—to be performed using clusters of VM-Series instances.

This turnkey solution 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 way to inspect the increasing volume of encrypted traffic.

Use Case: 100% Traffic Inspection, Including TLS/SSL-Encrypted

Challenge

Increased traffic volumes and the rising percentage of encrypted traffic are bogging down traditional hardware-based appliances as the 75% of network currently being encrypted quickly moves toward 100%. Enabling inspection of all 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.

Solution

Deploy as many VM-Series instances as needed and create chassis-size virtual firewalls to inspect all traffic flowing through your network, including encrypted traffic, unifying all of your virtual firewalls with a system that is easy to configure and monitor.

The Corsa Security platform is used to load-balance and orchestrate traffic across multiple VM-Series instances to easily inspect all your traffic. As traffic continues to grow, scaling inspection is as easy as a single click in the Security Orchestrator to commission and add more VM-Series licenses.

Using Corsa Security and the VM-Series, you can start to apply policy and inspect traffic right away as the integrated offering can be deployed into any network without requiring any changes in the network design.

About Corsa Security

Corsa Security is the leader in scaling network security with the first turnkey network security virtualization platform that simplifies how large enterprises and service providers scale traffic inspection, including SSL/TLS encrypted, at much lower total cost of ownership (TCO). Learn how Corsa is revolutionizing network security at 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.

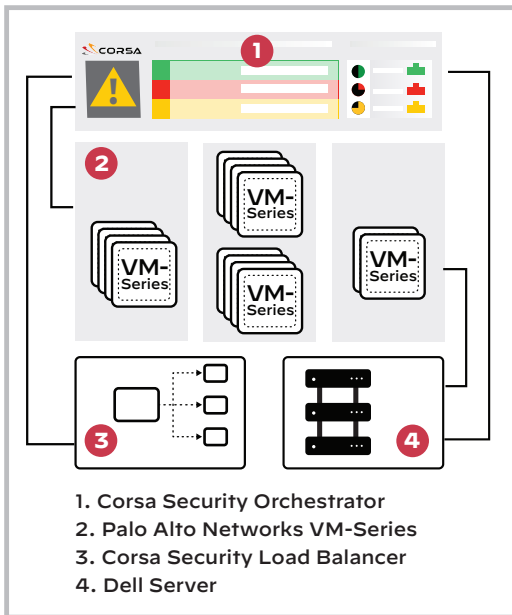


Figure 1: Palo Alto Networks and Corsa Security integration



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