Palo Alto Networks ML-Powered VM-Series Next-Generation Firewalls and Corsa Security

Transform On-Premises Firewalls to Virtual VM-Series Instances with Speed, Simplicity, and Savings

Benefits of the Integration:

- Simplified management of on-premises virtual firewalls automatically scales and optimizes firewall credit usage to meet capacity needs
- Rapid time to deployment on commodity servers with zero-touch network operations
- Pay-as-you-grow subscription model allows a smooth transition to network firewall virtualization and significantly lowers TCO
- Fully integrated with firewall APIs and Panorama policy manager, so you don't need to retrain your teams

The Challenge

Large enterprises, service providers, and managed security service providers (MSSPs) are struggling with their private network firewalls getting in the way of new digital initiatives and overall business agility. These multitenant networks have many firewalls scattered about, protecting different tenants and their environments. They are critical to the organization's network security, but they are all physical appliances, which can be time-consuming, complex, and expensive to deploy, manage, and operate. We can eliminate the deployment and maintenance pains of physical firewalls through intelligent orchestration that allows large network owners to deploy, scale, and optimize on-premises virtual firewalls with speed, simplicity, and savings.

Corsa Security Orchestrator

The Corsa Security Orchestrator (CSO) leverages intelligent orchestration to enable fully virtualized on-premises firewalls. It offers zero-touch operations for migrating from physical firewalls to virtual ones with a pay-as-you-grow model.

The Corsa Security Orchestrator is your single portal to deploy, scale and optimize your virtual firewalls that are hosted on your local commodity servers. It aggregates the views of multiple firewalls to show the health of the systems, server resource allocation, VMs, and network utilization. It opti-

mizes virtual firewall performance and maximizes firewall license and credit usage. Built on an intuitive UI, the Orchestrator simplifies all the complex operations associated with running on-premises virtual firewalls so you can add more at the click of a button.

Deploying the Corsa Security solution eliminates DevOps needs, optimizes virtual firewall utilization and performance, and speeds time to deployment. You reap the benefits of intelligent orchestration to modernize your network.

Palo Alto Networks VM-Series NGFWs

Palo Alto Networks VM-Series Virtual Next-Generation Firewalls consistently protect public and private clouds, virtualized data centers, and branch environments by delivering inline network security and threat prevention. VM-Series virtual firewalls embed machine learning (ML) in the core of the firewall to provide inline signatureless attack prevention for file-based attacks while identifying and immediately stopping never-before-seen phishing attempts—going beyond intrusion prevention system (IPS) technologies to prevent all known threats across all traffic in a single pass without sacrificing performance. It's also easy to add subscriptions, like Data Loss Prevention (DLP) and IoT (Internet of Things) Security. Panorama™ network security management provides easy-to-implement, consolidated policy creation in a centralized management platform in the control center. This ensures effective security and simplifies compliance without slowing down your business.

Palo Alto Networks and Corsa Security

The joint Corsa Security and Palo Alto Networks solution is fully integrated to bring automation and virtualization to on-premises firewalls while security policy continues to be managed by Palo Alto Networks Panorama. Organizations benefit from Palo Alto Networks leading firewall technology while accelerating business agility through intelligent orchestration from Corsa Security.

Our customers leverage VM-Series virtual firewalls with Corsa Security Orchestrator software to automate the full lifecycle of virtual firewalls from deploy to scale to optimize. The Orchestrator optimizes server resource allocation and manages firewall VMs through an aggregated view, and maximizes the use of firewall credits through auto scaling and adjusting for capacity surges.

The solution is sold as a subscription with a pay-as-you-grow model based on software NGFW credits to provide industry-leading ROI.

Use Case 1: Modernize Enterprise/Campus Network Security with Virtual Firewalls

Challenge

While the need for network firewalls is higher than ever, on-premises, physical firewalls are a rigid, fixed resource that is difficult to adapt to the ever-changing security landscape. They can also experience capacity limitations before their three-year upgrade cycle. Security and network architects need a more flexible and scalable approach that grows with their needs.

Solution

Large enterprises can take a private cloud approach for their network security by migrating their on-premises physical firewalls to virtual ones across all tenants. This allows them to maintain their private network architecture while benefiting from firewall virtualization. By deploying virtual firewalls from Palo Alto Networks with intelligent orchestration from Corsa Security, enterprises can modernize their network security infrastructure with speed (24X faster deployment), simplicity (zero-touch operations) and savings (5X lower TCO) while increasing business agility.

Use Case 2: Private Cloud Operators That Want to Virtualize Their Hosted Managed Firewall Service

Challenge

Being able to quickly stand up a hosted firewall service or adjust existing customer capacity is a challenge for MSSPs and service providers if they are utilizing hardware appliances in their private data center. They need to deploy virtual firewalls whenever and wherever they want, but at the same time, reduce operating costs.

Solution

MSSPs and other SPs can migrate to a new and more flexible hosted managed virtual firewall service that brings their operations incredible service velocity, agility, and simplicity. By deploying on-premises virtual firewalls from Palo Alto Networks with intelligent orchestration from Corsa Security, the customer support team can deploy these firewall services and onboard new customers the same day, without the need for engineering resources. And with a pay-as-you-grow model that optimizes credit-based licensing, they get flexibility and portability across their private data centers for an even more profitable service.
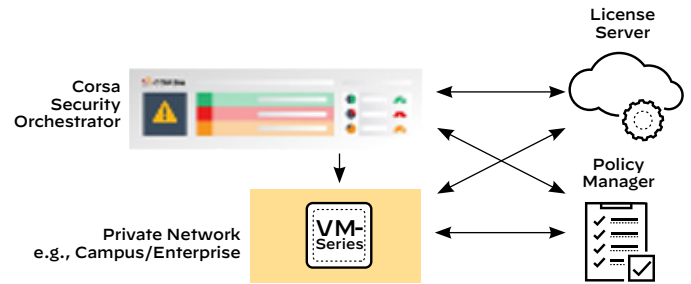

Figure 1: Corsa Security Orchestrator integration with Palo Alto Networks VM-Series and toolset

About Corsa Security

Corsa Security is the leader in automating network security virtualization which helps large enterprises and service providers deploy, scale and optimize virtual on-premise firewalls with speed (24X faster deployment), simplicity (zero-touch operations) and savings (5X lower 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. For more information, visit www.paloaltonetworks.com.