



PARTNER JOINT SOLUTION BRIEF

Fortinet and Corsa Security Solution

Leveraging the Power of Virtual Services to Scale Traffic Inspection

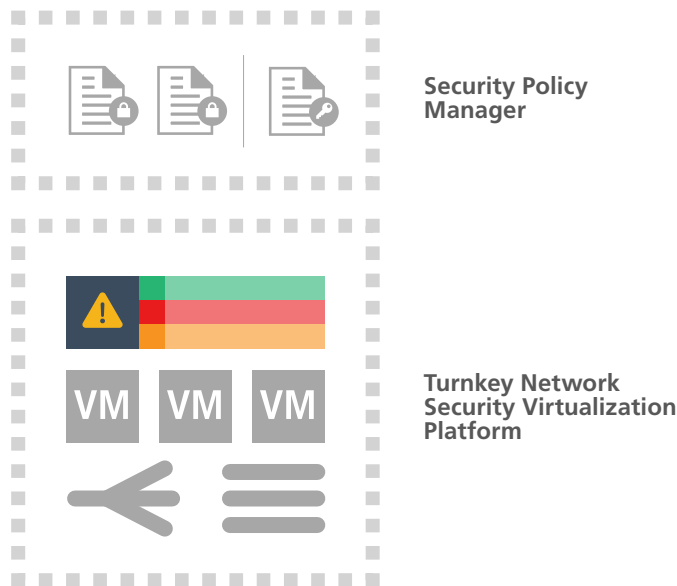
Scaling Network Security | www.corsa.com

Fortinet and Corsa Security Scale Traffic Inspection

The increased load of encrypted traffic is bogging down traditional hardware based appliances. Today 70%+ of all traffic in the network is being encrypted, and this is quickly moving towards 100%. Enabling inspection of encrypted traffic on a hardware based appliance leads to a significant drop in performance and these devices struggle to keep up with the demands being placed on them. Many network administrators are forced to turn off SSL/TLS decryption and inspection in order to satisfy the demand for throughput, especially on high volume North-South traffic links. However, this puts the network at risk to malware and other threats that may be carried over encrypted connections.

Fortinet and Corsa Security have partnered to deliver a solution that uses the turnkey Corsa Network Security Virtualization Platform to horizontally scale FortiGate Next Generation Firewalls (NGFWs) and provide inspection capacity on-demand, as needed. FortiGate VM creation and performance is managed seamlessly from the Corsa Security Orchestrator, a virtualized infrastructure manager. Traffic is load balanced between FortiGate-VM firewalls and they decrypt and inspect the traffic. By sharing the load across as many VMs as needed, there is no degradation of network performance nor compromising of security posture.

FORTINET AND CORSA JOINT SOLUTION



JOINT SOLUTION BENEFITS

Fortinet and Corsa Security together provide an integrated security solution for high capacity networks that delivers:



Cloud-like **elasticity** and **manageability** of network security virtual appliances



Predictable performance for traffic **inspection** and **threat prevention**



Eliminate dedicated **hardware** appliances and associated **refresh cycle**



Support **multiple** network security services in the same platform **simultaneously**

5X

Pay-as-you-grow monthly subscription model with **5x** improved economics

Solution Description

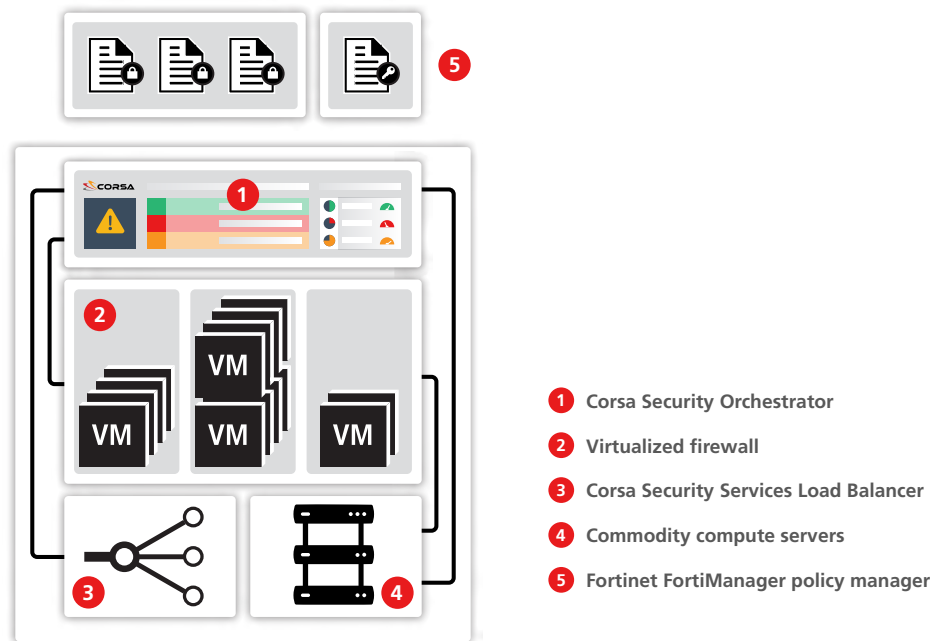
The turnkey Corsa Network Security Virtualization Platform enables network owners to horizontally scale their traffic inspection with a single click. By way of the virtualized infrastructure manager, the customers can easily increase inspection capacity by adding as many FortiGate-VM virtual firewalls as needed. The Corsa Security platform intelligently load balances traffic between all the active FortiGate-VM virtual instances.

Gone are the days of firewall bottlenecks that can't keep up with your traffic. The Corsa Security platform allows you to apply any security policy without degrading network performance. Turning on CPU intensive inspection features is no longer a problem because the solution scales out horizontally, delivering predictable performance for all your network security needs. As the load of encrypted traffic rises, more virtual appliances are easily added to the solution, sharing the inspection load.

Installed in virtual wire mode, the solution can be deployed into any network without requiring changes to the network architecture. The turnkey platform is delivered as a kit to make it very easy to use and customers can start to apply policy and inspect traffic within hours of delivery.

HIGH CAPACITY vNGFW

that scales inspection capacity automatically as you grow so you inspect 100% of traffic, even encrypted.



CORSA NETWORK SECURITY VIRTUALIZATION PLATFORM

Behind the scenes, the virtual functions are running on state of the art hyper converged infrastructure (HCI) specifically optimized for in-line network security services. The Corsa Security solution is a simple and elegant integration of 4 main elements:

1) Corsa Security Orchestrator — A virtualized infrastructure manager that provides a cloud-like user experience for managing your virtualized network security infrastructure. Powered by OpenStack, it gives you a simple way to provision and manage FortiGate-VM firewalls and the associated server, network and load balancing functions. It pushes the necessary initial configuration to the virtual functions that allows them to be seamlessly integrated into the FortiManager.

2) FortiGate-VM Firewall — The FortiGate-VM firewalls perform all the network inspection and threat prevention work so you can trust that you are still getting the best technology from the security perspective. FortiGate reduces complexity with automated visibility into applications, users and network and provides security ratings to adopt security best practices.

3) Corsa Security Services Load Balancer — A virtual wire load balancer that distributes the traffic to all the virtual services. It guarantees that both sides of any encrypted network connection are always sent to the same virtual service. This enables any stateful inspection to be performed on that connection, including SSL/TLS decryption. The load balancer also has built in path check mechanisms that provides additional resilience and high availability.

4) Commodity Compute Servers — The Corsa hyperconverged infrastructure technology that is specifically optimized for in-line network security applications. These are based on Linux OS with KVM hypervisor and SR-IOV technology for networking to ensure the best possible performance for network applications.

FORTINET FORTIMANAGER

Fortinet FortiGate Next Generation Firewall, combined with FortiManager is used to deliver top-rated protection and high performance.

5) FortiManager — A centralized security management tool that provides simplified network orchestration, automation and response. The FortiGate-VM virtual appliances receive configuration and security policy from FortiManager, allowing a consistent security policy to be applied to the entire network. FortiManager offers single pane management and visibility and is part of a rich set of tools capable of managing 100,000+ devices from a single console.

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). By tightly integrating virtualization with intelligent orchestration, Corsa streamlines deployment, management and operations of virtualized next generation firewall (NGFW) arrays for large networks. Customers subscribe to the Corsa Security service based on their traffic inspection capacity needs and then pay as they grow while never having to deal with the infrastructure. Learn how Corsa is revolutionizing network security at corsa.com.

About Fortinet

Fortinet's mission is to deliver the most innovative, highest-performing network security fabric to secure and simplify your IT infrastructure. We are a leading global provider of network security appliances for carriers, data centers, enterprises, and distributed offices. Our flagship enterprise firewall platform, FortiGate, provides a broad array of next-generation security and networking functions. Fortinet also offers a range of complementary products that can also be deployed with FortiGate to enable simplified, end-to-end security infrastructure. Our market position and solution effectiveness have been widely validated by industry analysts, independent testing labs, business organizations, and media outlets worldwide. We are proud to count the majority of Fortune 500 companies among our satisfied customers. To learn more about the Fortinet security solution, visit Fortinet.com.

Please contact us

For more information about Corsa solutions please contact us today.

11 Hines Rd. Suite 203
Ottawa, ON Canada K2K 2X1
613 287 0393

sales@corsa.com
www.corsa.com

