

Corsa Security Orchestrator

Virtual Infrastructure Manager

NEED

- **Managing virtual machines (VMs) and the infrastructure to virtualize Next Generation Firewalls (NGFW)**

SOLUTION

- **Corsa Security Orchestrator**

BENEFITS

- **Automation of bootstrap and initial configuration of NGFW VMs**
- **Integration of licensing from security vendors**
- **Provision of policy settings to the VMs in a zero-touch way**
- **Single-pane-of-glass VM orchestration and monitoring**
- **Stateful connection tracking for intelligent traffic steering to and from VMs**
- **Scale out of unlimited inspection capacity with automated load-balancing capability**
- **Health check mechanism to monitor VM and system performance**
- **Automated software upgrades**

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.

The Challenge

Public cloud offerings set the standard for how easy it should be to provision virtual resources. And, there's no reason why private cloud network security virtualization should be any different. How this is solved for most cloud approaches, is with an orchestrator.

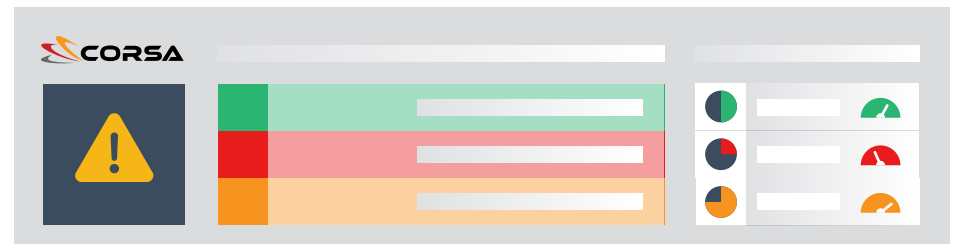
This orchestrator should provide a cloud-like user experience for managing your virtualized network security infrastructure. It must ensure all the VMs and infrastructure work in a single cohesive package without the user needing to deal with the complexities of the network, server and virtual machine plumbing underneath.

The Solution

At the heart of the turnkey Corsa Network Security Virtualization Platform is its management platform, the Corsa Security Orchestrator. It controls the entire platform from the compute infrastructure and load balancing all the way up to virtual machines.

The Corsa Security Orchestrator has been designed from the ground up to provide an intuitive interface to simplify all the complex operations associated with running virtual NGFW appliances, including licensing, zero-touch deployment, maintenance and troubleshooting, machine intelligence and auto-scaling.

It completely eliminates the need for additional DevOps resources that are typically responsible for provisioning and maintaining large numbers of NGFW VMs.



How it Works

From simple spinning up and down of the virtual appliance instances to tying them into security policy manager and from configuring the required load balancing and network connectivity to providing a single pane of glass view of what is happening inside, the Security Orchestrator does it all. With a single click of a button, you can add more resources as your traffic inspection needs grow without having to worry how to put it all together. It pushes all the necessary configuration into the appliances that tie them directly into the policy manager. All you have to do is provide the appropriate licenses for the virtual functions.

Under the Hood

PUSH-BUTTON VM CLUSTERS TO SCALE INSPECTION

The Corsa Security Orchestrator automatically builds and controls VM clusters as a way to scale-out your in-line network security inspection horizontally. Any one NGFW VM, or security processing node, is just a “worker” in a large army of workers all performing complex inspection tasks like Threat Prevention or SSL decryption, and therefore there is nothing special about that specific worker. If that worker does not perform correctly, it can be easily rebuilt in a matter of minutes, all done automatically through the Corsa Security Orchestrator. Similarly, scaling inspection just becomes a simple matter of adding more workers to the cluster, which can be done with a single push of a button, or even completely automatically.

The built-in workflows and processes of the Corsa Security Orchestrator automatically control the operation of the hardware resources in the servers, the load balancer and the network switches, as well as all the software processes in the virtualization and UI components, and also the VM clusters.

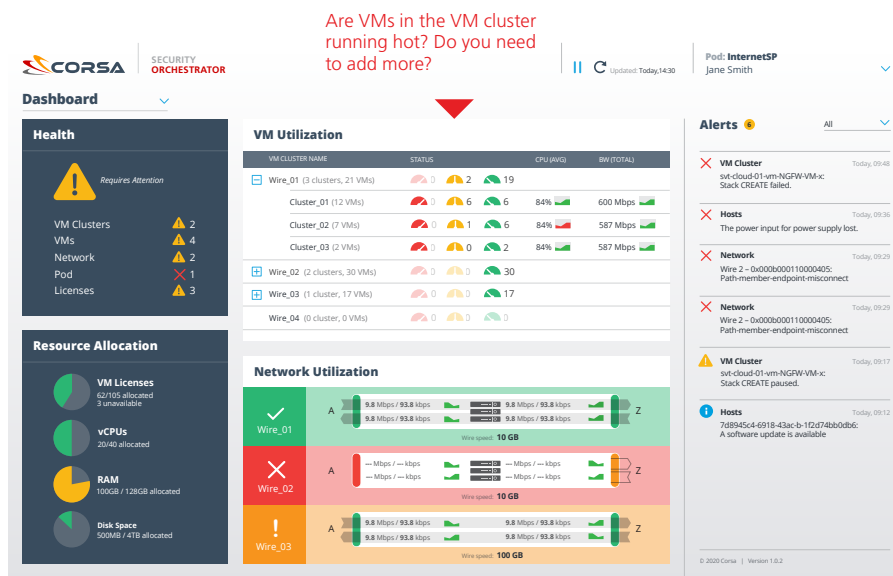
FULLY INTEGRATED WITH YOUR SECURITY POLICY AND VM LICENSING

To achieve the ultimate in ease of use, the Corsa Security Orchestrator is fully integrated with the policy management systems of the firewall vendors within the Corsa Network Security Ecosystem. This industry-first level of integration allows the customer to focus on security and manage all policy and device settings from the familiar interface of the policy manager, rather than worry about how to get that configuration to the VMs that they want to run.

Another industry-first is the integration of the Corsa Security Orchestrator with the licensing systems of our partners. This allows automatic management and activation/deactivation of licences for all the VMs that are running inside the platform. License utilization is presented as another resource within the platform, similar to CPU or disk allocation for example, and the customer can easily track when additional licenses are going to be required.

Overall health status of the platform in one quick view

Plan when to add more resources to the platform based on what is currently allocated to your VMs



Are VMs in the VM cluster running hot? Do you need to add more?

Heads up on the status of virtual firewalls, licensing and the network

Real-time network utilization view with sub-second accuracy

MONITOR VM CLUSTERS WITH CONFIDENCE

With unprecedented levels of visibility, the user gets insight into what their network is doing, how VM clusters and individual VMs are performing, and all the other things that are happening inside the platform, the user gets never before seen level of insight into what their network is doing and how VM clusters and individual VMs are performing. All the insights are presented in the same Corsa Security Orchestrator user interface in a simple intuitive way, without requiring the user to dig through multiple screens.

EASILY MANAGE MULTI-TENANT NETWORK SECURITY

The Corsa Security Orchestrator provides a simple way to use the same Corsa Security platform for multiple tenants. This can be done either by a service provider looking to combine multiple customers on the same infrastructure, or even by any enterprise looking to use multiple VM clusters for their own internal purposes. The customers can test out new versions of software on the same platform, or assign different clusters to different zones in their network, or even run different vendors at the same time for either testing or resiliency purposes. Again the Corsa Security Orchestrator makes the configuration of multiple tenants simple and intuitive.