CHECK POINT + ARISTA
WITH CLOUDVISION MACRO-SEGMENTATION SERVICE

Benefits

Today's cloud data center environments need a more flexible approach to deploying security infrastructure that adapts to constant workload changes, additions and movements. Capacity of security solutions need to scale upward to match the broadened attack surface of multi-tenant shared cloud environments.

How can customers address network based security as a dynamic pool of resources, stitching security to applications and transactions, scaling on demand, automating deployment and mitigation, and allowing transparent application of security policies?

- Arista's Macro-Segmentation™: inserting services between workgroups (inter-tenant or inter-device) in the physical network by defining inter-segment service policies - enforced by the Arista cloud networking infrastructure.

- CloudVision® Macro-Segmentation Service (MSS™): an extension in Arista EOS® software that utilizes Arista CloudVision® to automate security service insertion for Check Point's industry-leading next-generation firewalls and other networked devices.

INSIGHTS

Data centers have increasingly virtualized and partitioned, becoming more dynamic and accommodating on-the-fly deployment of new applications in private, public and hybrid clouds. As the IT environment becomes more open and less controlled, the threat landscape is evolving so fast with new threats, new techniques, new actors and new targets. Businesses need to protect their private, public or hybrid environments from an increasingly threatening backdrop within the cloud.

Today's cloud environments need a more flexible approach to deploying security that adapts to constant workload changes, additions and movements. Modern data centers need a solution for insertion of high-performance security platforms into the physical and logical topology using an open, programmable and integrated network framework.

ARISTA®, EOS®, CloudVision™, Macro-Segmentation™ and MSS™ are trademarks of Arista Networks, Inc.
A BETTER APPROACH TO SECURING CLOUD DATA CENTERS

By integrating with native APIs provided by Check Point data center firewalls, Arista MSS learns what workloads the security policy should address or monitor. If the security policy requires a specific logical network topology, the CloudVision Macro-Segmentation Service can instantiate that topology into the network IP fabric automatically. The automation capabilities of CloudVision MSS operate in real-time without any need for a network operator to engage a security administrator or vice-versa, and without the network needing to be architected in a manner specific to any workload. This capability is critical to successful deployment of security in an enterprise private or hybrid cloud.

Macro-Segmentation Service with Arista CloudVision is integral to Arista's non-blocking and loss-less IP fabric and Arista EOS software. With Check Point next-generation firewalls, CloudVision MSS enables flexible deployment of security in the network without forklift upgrades and without any proprietary lock-ins. MSS works in unison with server, storage, and network virtualization solutions from Check Point and Arista's partners including OpenStack, Microsoft and VMware. Macro-Segmentation Service complements the intelligence and functionality that these partners provide with enhanced deployment of physical workloads and security services to enable deployment of the complete cloudified data center.

ABOUT CHECK POINT

Check Point Software Technologies Ltd. (www.checkpoint.com) is the largest pure-play security vendor globally, providing industry-leading solutions and protecting customers from cyberattacks with an unmatched catch rate of malware and other types of attacks. Check Point offers a complete security architecture defending enterprises’ networks to mobile devices, in addition to the most comprehensive and intuitive security management. Check Point protects over 100,000 businesses and millions of users worldwide.

ABOUT ARISTA NETWORKS

Arista Networks (www.arista.com) defined software-driven cloud networking for cloudified data centers with award-winning networking platforms that redefine scalability, agility and resilience. Arista has shipped more than five million 10-100GbE cloud networking ports worldwide with CloudVision and Arista EOS, its advanced network operating system. Committed to open standards, Arista Networks products are available worldwide directly and through partners.