



Arista Enhances Cloud Networking with CloudEOS

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Delivering enterprise class multi cloud and cloud native networks

SANTA CLARA, Calif.--(BUSINESS WIRE)-- Arista Networks (NYSE:ANET) today introduced Arista **CloudEOS™**, delivering two new offerings that solve critical networking challenges in multi cloud and cloud native environments: enabling an enterprise-class networking experience with consistent segmentation, telemetry, monitoring, provisioning and troubleshooting from campus to data center to cloud.

This press release features multimedia. View the full release here:

<https://www.businesswire.com/news/home/20191105005434/en/>

Arista CloudEOS extending a single global virtual private cloud across AWS, Azure, Google and on-premises Kubernetes environments. (Graphic: Business Wire)

CloudEOS provides two main capabilities:

1. CloudEOS Multi Cloud, a high-performance virtual machine that normalizes the network connectivity to and between public clouds simplifying the networking operating model for cloud and network operations while enabling declarative software-based provisioning through popular DevOps tools
2. CloudEOS Cloud Native, an instance of EOS deployed as a Kubernetes Container Network Interface or stand-alone Kubernetes container to provide a fully supported, enterprise-class networking stack within Cloud Native environments

"Watching a client deploy hundreds of networks, across multiple cloud providers, in minutes without ever touching a network CLI is magical," stated Douglas Gourlay, vice president and general manager of cloud networking software for Arista. "CloudEOS simplifies networking for any cloud environment, securely, declaratively, and elastically."

CloudEOS Attributes

CloudEOS has native support for pay-as-you-go acquisition through Amazon Web Services, Google Cloud, and Microsoft Azure. This enables elastic cost models for network connectivity: automatically scaling capacity with

changes in real-time application demand. It is completely provisioned in software through a declarative model supporting DevOps tools such as Terraform.

CloudEOS automatically encrypts all traffic traversing public links and automatically exchanges and rotates IPSEC keys to ensure encrypted transport at the highest security levels.

“As organizations have implemented a multi cloud strategy, the operational burden on networking teams has grown significantly,” said PJ Kirner, CTO of Illumio. In the same way that Arista is solving this problem with consistent cloud networking, Illumio provides consistent micro-segmentation of applications inside any cloud. We are excited to continue our partnership with Arista with the single goal of simplifying operations for overworked networking teams.”

Extending EOS to the Cloud Native Environment

CloudEOS Cloud Native brings a fully supported network stack to container deployments as part of a Kubernetes cluster. By providing the same operational experience as the physical and virtual networks, CloudEOS Cloud Native allows teams to use the same tools that are used in the rest of the network.

Rich Capabilities from the Client to Cloud

CloudEOS supports a network segmentation mode that extends the reach of network segmentation from the campus to the data center to the public cloud, all based on proven open standards. Network operators no longer need to deploy completely different and orthogonal technologies to solve segmentation and traffic separation in the data center, the campus, or in the public cloud environments.

CloudEOS dynamically and automatically redirects traffic across the most effective and efficient networking paths available based on real-time topology and traffic measured through inband telemetry as well as the actual billing model of each link.

Each CloudEOS instance, whether deployed in the public cloud to connect virtual private clouds, at the edge of the public cloud to allocate bandwidth across critical links, or deployed into a Kubernetes host, enables a consistent network operating model and experience.

Availability

CloudEOS is available on Amazon Web Services and Microsoft Azure immediately and on Google Cloud within the next quarter. CloudVision 2019 is available and shipping today and provides a clustered management plane for the

entire network.

Register to learn more about CloudEOS at our webinar on November 21, 2019 and also feel free to come by our booth #437 at **Microsoft Ignite 2019**, booth #S76 at **Kubecon + CloudNativeCon North America 2019**, and at **Gartner IT Infrastructure, Operations & Cloud Strategies Conference**.

About Arista Networks

Arista Networks pioneered software-driven, cognitive cloud networking for large-scale datacenter and campus environments. Arista's award-winning platforms redefine and deliver availability, agility, automation, analytics, and security. Arista has shipped more than twenty million cloud networking ports worldwide with CloudVision and EOS, an advanced network operating system. Committed to open standards across private, public and hybrid cloud solutions, Arista products are supported worldwide directly and through partners.

ARISTA, EOS, CloudEOS and CloudVision are among the registered and unregistered trademarks of Arista Networks, Inc. in jurisdictions around the world. Other company names or product names may be trademarks of their respective owners. Additional information and resources can be found at **www.arista.com**. This press release contains forward-looking statements including, but not limited to, statements regarding the benefits of Arista's CloudEOS and the enablement of cost savings, performance, reliability, capabilities and efficiency. All statements other than statements of historical fact are statements that could be deemed forward-looking statements. Forward-looking statements are subject to risks and uncertainties that could cause actual performance or results to differ materially from those expressed in the forward-looking statements including: our limited operating history and experience with developing and releasing new products; product, support or service quality problems; rapidly evolving changes in technology, customer requirements and industry standards as well as other risks stated in our filings with the SEC available on Arista's website at **www.arista.com** and the SEC's website at **www.sec.gov**. Arista disclaims any obligation to publicly update or revise any forward-looking statement to reflect events that occur or circumstances that exist after the date on which they were made.

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