Arista Introduces Containerized Software for Cloud Networking

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Arista cEOS Endorsed by Broadcom, Hewlett Packard Enterprise and Microsoft Azure Networking

SANTA CLARA, Calif.--(BUSINESS WIRE)-- Arista Networks (NYSE:ANET) today announced Containerized EOS (containerized Extensible Operating System) to support alternate models of procuring, packaging and deploying **Arista's EOS®** across cloud, enterprises and service providers. Utilizing the industry standard container development/operations (DevOps) model, Arista extends the architectural choices beyond its own hardware to support EOS on virtual machines, containers and third-party merchant silicon-based switches.

This Smart News Release features multimedia. View the full release here:
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Arista's Containerized Software for Cloud Networking cEOS. (Graphic: Business Wire)

Containerized EOS

Arista cEOS™ introduces the containerized packaging of EOS software and its agents for deployment in cloud infrastructure with the same proven EOS software image that runs on all Arista products. These flexible deployment options empower cloud network operators that are customizing their operating environments to provide a uniform workflow for development, testing and deployment of differentiated services. It enables the provisioning of a robust and proven network operating system across production and development platforms with a uniform EOS distribution and single-image consistency.

The initial rollout of Arista cEOS is endorsed by several ecosystem partners including **Broadcom**, **Hewlett Packard Enterprise** and Microsoft **Azure Networking**.

"We are pleased that Arista's containerized EOS BGP offering is running on top of SONiC (software for open networking in the cloud), bolstering our community development efforts in open networking," said Yousef Khalidi, Corporate Vice President of Azure Networking. "Through our work with Arista and others in the industry, we are

building a richer ecosystem of open source networking solutions in the cloud."

Arista EOS is now supported on a wide range of open hardware, including three form factors: Arista's own merchant silicon-based platforms, bare metal switches and industry standard virtual machines or containers.

Extending Arista EOS for DevOps

Arista has extended the modern DevOps approach toward microservice architecture and containerization to support workloads, workflows and complex development and validation at massive scale. Since cEOS can execute as just another container, customers can run other containerized applications on the same platform, such as automation or monitoring tools. Arista cEOS also extends the core EOS architecture to provide a lightweight module for use in network modeling, development and validation in the cloud. As virtualization did in the prior decade, this allows developers to experience a seamless migration from development to production, for the entire operating environment with a consistent cloud network approach.

In addition to the introduction of cEOS running in container environments, Arista EOS now supports the container ecosystem in the following ways:

- EOS now runs in a container on a broad range of hardware and cloud operating platforms (NEW)
- EOS supports applications running concurrently within its workspace either in a VM, as native Linux apps or as a container
- EOS supports automated discovery and provisioning of services for container workloads running within EOS or in external containers with Container Tracer

EOS Disaggregation with White-Box Ecosystem

Arista customers can utilize cEOS in tandem with industry standard white box hardware and enable a wide array of tools and applications from the container ecosystem. This marks the first software offering of EOS for white box switches and servers. Arista cEOS is available and supported by Arista on disaggregated hardware from a broad vendor ecosystem.

Arista EOS is a purpose-built software stack that has been deployed and proven in most of the world's largest data center and cloud-scale networks. The rich EOS software suite – including a resilient network wide state-driven NetDB architecture, **CloudVision®** automation and analytics, and any cloud workflow, workload, and workstream – is fully supported across all modes of operation.

Availability

Arista cEOS is available now for customer trials on selected third-party hardware platforms. Arista cEOS running with Microsoft Software for Open Networking in the Cloud (SONiC) will be demonstrated on March 8-9, 2017 at the **Open Compute Project (OCP) Summit** in Santa Clara. Contact Arista for further information and pricing.

About Arista Networks

Arista Networks was founded to pioneer and deliver software-driven cloud networking solutions for large datacenter storage and computing environments. Arista's award-winning platforms, ranging in Ethernet speeds from 10 to 100 gigabits per second, redefine scalability, agility and resilience. Arista has shipped more than ten million cloud networking ports worldwide with CloudVision and EOS, an advanced network operating system. Committed to open standards, Arista is a founding member of the 25/50GbE consortium. Arista Networks products are available worldwide directly and through partners.

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Supporting Quotes:

Broadcom

"As the volume leader in merchant silicon switch-on-chip platforms, we are enthusiastic about this new direction in containerized network operating systems," said Ram Velaga, Senior Vice President & General Manager, Switch Products Division at Broadcom. "We believe that the confluence of container workflows and DevOps and open networking will lead to broader adoption of our networking products."

HPE

“As our customers transition to software-defined datacenter infrastructures, they require open and agile architectures that embrace emerging industry standards, DevOps and micro services operating models. The containerization of Arista cEOS provides our HPE Altoline customers an exciting future option as they migrate to increasingly open networking architectures.” - Dom Wilde, VP and GM Data Center Networking BU, Data Center Infrastructure Group at Hewlett Packard Enterprise

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