



Arista EOS Advances Cloud-Grade Routing

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Software Innovations Transform Routing Architectures

SANTA CLARA, Calif.--(BUSINESS WIRE)-- Arista Networks (NYSE:ANET) today announced continued expansion in cloud-grade routing with the latest **Arista EOS**® (Extensible Operating System) and **CloudVision**® software. Arista EOS version 4.20 delivers new routing and management software capabilities, helping customers evolve to modern, software-driven routing principles.

Arista is driving down operational and capital costs with modern routing and cloud automation, enabling architectural transformations across cloud, content delivery, Internet exchange and service provider network function virtualization (NFV) routing use-cases, including next-generation cable architectures.

Driving Routing Transformations

Massive scale and growth of services is effectively driving a re-architecture of the Internet to support bandwidth-hungry consumers. The traditional Internet, based on rigid, fixed-purpose routers, disparate LAN-WAN interfaces, protocols and inconsistent operational models are cumbersome and costly. Arista's cloud networking principles from the datacenter are extending into these routing applications. The ubiquity of IP + Ethernet networking, combined with programmable software control, delivers compelling alternatives to legacy routers.

Arista is focused on addressing the routing transformations in cloud networks, Internet exchange fabrics, and NFV transitions at the consumer edge:

- New content delivery routing architectures mandate support for software-driven traffic steering for optimal content delivery and increased visibility at scale. Customers are moving away from legacy router software in favor of lean, modern operating systems with advanced programmability foundations.
- Internet eXchange (IX) networks provide interconnect fabric between consumers and providers of services at critical junction points of the Internet. The IX operator is moving from traditional Layer 2 fabrics to a common

Layer 3 service architecture with rapid provisioning of new interconnect services.

- Consumer edge networks in telco and cable providers require an architecture that delivers cloud-like service agility, replacing legacy multi-service edge routing with scale-out cloud routing. These new NFV architectures require enhanced software control and automation to bring cloud networking to the consumer edge.

An example of the consumer edge transformation to NFV is cable access networks. Arista is transforming routing in these networks to deliver high-bandwidth integrated services with technology partner **Harmonic**, the worldwide leader in video delivery technology and cable edge virtualization. For cable access, operators are transitioning their traditional headend to a more cost-effective and service-rich virtualized Remote-PHY architecture. Offering a scale-out and software-driven approach, Arista's EOS and R-series platforms are now certified with Harmonic's CableOS™ virtualized CCAP solution.

"Leveraging its expertise in IP and in developing software-based technologies, Harmonic is leading the architectural shift to a virtualized cable headend based on Ethernet and IP. By partnering with Arista, our joint customers can utilize Arista's R-Series and software-driven approach to migrate to more scalable and cost-effective cable architectures," said Nimrod Ben-Natan, Senior Vice President and General Manager, Cable Edge Business, Harmonic.

Building Flagship Routing with Arista EOS

With the latest Arista EOS 4.20 release, Arista supports the following capabilities for the transition to cloud-grade routing:

- Scale-out: Modern routing software, leveraging a state-based architecture programmable at all layers. Optimized for a common spine/leaf design in and outside the datacenter, with enhanced load balancing, best-in-class convergence for large-scale ECMP (Equal Cost Multipath). Network-wide visibility with BMP (BGP Monitoring Protocol) and real-time state streaming.
- Simplify: A lean operating system, with a single software train running IP+Ethernet fabrics utilizing standard routing protocols (BGP, EVPN, Segment Routing).
- Software-driven Control: Automating network operations and traffic engineering, utilizing programmability tools (EOS SDK), open APIs (OpenConfig/YANG, NETCONF), CloudVision for turnkey provisioning and telemetry, and cEOS/vEOS for large-scale network simulation and certification.

Availability

The Arista EOS 4.20 release is available now as a single software train across all of Arista's products.

For additional information, join us for a webinar on Arista Cloud-Grade Routing on December 14th, at 10:00 AM PST/1 PM EST. **Register here.**

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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Forward-Looking Statements

This press release contains forward-looking statements including, but not limited to, statements regarding the benefits of the design and implementation of Arista's EOS and CloudVision software and its new routing and management software capabilities including the improvement of network visibility and management, and the enablement of greater performance, efficiency and cost savings. 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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