ARISTA

Arista Delivers Next Generation Cloud Routing

9/14/2022

Expanded and accelerated EOS routing validated for cloud, carrier and enterprise solutions

SANTA CLARA, Calif.--(BUSINESS WIRE)-- Arista Networks (NYSE:ANET), a leader in data-driven cloud networking, announced innovations for its comprehensive **cloud-grade routing** platform that simplify and secure routing for the enterprise, mobile provider and cloud operators. These software and hardware innovations continue to drive down customer operational cost and complexity with a consistent and modern approach to a broad range of routing use cases.

"We are excited to partner with Arista Networks to innovate, build and operate one of the world's largest Internet Backbone and to advance our Next-Generation routing roadmap," said Dariusz Solowiej, Vice President, Network Technology & Customer Operations at **Arelion**. "Arista's R3-series and EOS software allow us to address the rapid growth in demand and connectivity services in the highly dynamic and competitive market."

Consistent Architectural Foundation for Diverse Use-cases

Arista's cloud-grade routing platform was introduced six years ago. It is based on cloud principles of scale-out architectures, standards-based protocols, and software-driven control. Powered by **EOS® Network Data Lake (NetDL™)**, Arista offers a single software base that runs across all Arista platforms for both switching and routing use-cases to deliver operational consistency, modern programmability and deployment flexibility. This approach has successfully transformed modern routing, helping customers to eliminate operational inefficiencies caused by proprietary siloed architectures and fragmented software offerings of traditional router vendors. In contrast, Arista's latest innovations drive additional new use cases, including secure enterprise edge, high speed cloud connect, and mobile networks.

For enterprises, protecting applications, intellectual property and business data is a top priority due to sophisticated cyber threats. Arista advances the enterprise edge by securing data-in-transit over high speed links with innovative TunnelSec(TM) technology, providing in-line encryption at wire rate from 10G to 400G in the **R3**

Series and eliminating the performance bottleneck of legacy encryption deployments.

"Arista has crossed the chasm from data center to routing," said Zeus Kerravala, Founder and Principal Analyst with **ZK Research**. "Solid execution and innovations such as TunnelSec show how Arista's approach continues to disrupt the routing market."

Further, enterprise Data Center Interconnect (DCI) deployments are simplified with a unified solution connecting Ethernet VPN (EVPN) based data centers or across MPLS domains and leveraging cost-effective 400GZR optics and integrated line systems.

"Arista's R-series routing platforms allowed us to implement our high-bandwidth, low latency, inter-DC replication services, in a cost-effective form factor. The combination of the EOS Single binary image, and the capabilities of the underlying HW+SW allowed us to grow rapidly with minimal operations overhead," said Matej Dobsinsky, Director HEC Network Operations, **SAP**.

In the cloud provider space, cloud operators are trying to address the explosion of bandwidth and connectivity needs for next generation Internet peering, cloud onramp and cloud inter-zone connectivity. The expanded R3 series portfolio delivers increased route scale by 30% and provides a seamless transition to 100G and 400G and simplified connectivity options.

"Seattle IX's strategy is to invest in world-class network infrastructure for providing reliable and scalable interconnection," said Nikos Mouat, President of the **Seattle Internet Exchange**. "We are excited to partner with Arista to help meet the rapid bandwidth growth and 100G/400G connectivity demands for our members."

In mobile 5G networks, modern mobile applications, such as smart city traffic control, essential services, autonomous vehicle connectivity, eHealth, etc, have stringent time synchronization requirements. The R3 series also delivers precision timing solutions, achieved via Synchronous Ethernet (SyncE) and Precision Time Protocol (PTP), at the highest level of accuracy, to provide the best experience.

Next Generation Routing Platforms

Maintaining operational consistency, architecture and features is critical for customers evolving to next generation routing solutions and continued evolution to 800G and beyond. The expanded R3 Series continues to disrupt the traditional router market, with power reduction, feature expansion and performance improvements helping customers reduce cost and complexity for both existing and emerging use-cases. The R3 Series portfolio doubles by adding 26 new systems, including:

- Expanded choice of 800G ready 7800R3 with 12 and 16 slot modular systems - 460Tbps and 576 ports of 400G
- Flexible and efficient 7280R3A compact modular for metro, mobile, and DCI applications
- 7280R3A Series with 50% performance increase scaling up to 54 ports of 400G with integrated Line System ports and SyncE for timing solutions
- New R3A Series available with choice of route/policy scale and integrated TunnelSec.

Availability

Features for the new routing use cases are available now in the latest EOS release. The latest platform breadth and flexibility of the 7800R3 Series is available now, with the 7280R3A available in Q4 2022.

To learn more about Arista's cloud-grade routing, join us for a webinar series on October 13th, 2022 at 10:00 AM PDT—register **here.**

About Arista Networks

Arista Networks is an industry leader in data-driven, client to cloud networking for large data center, campus and routing environments. Arista's award-winning platforms deliver availability, agility, automation, analytics and security through an advanced network operating stack. For more information, visit **www.arista.com**.

ARISTA, EOS, CloudVision, NetDL, AVA and TunnelSec 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 performance and capabilities of Arista's products and services. 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 rapid technological and market change, 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.

Media Contact

Amanda Jaramillo

Corporate Communications

Tel: (408) 547-5798

amanda@arista.com

Investor Contact

Liz Stine

Director, Investor Relations

Tel: (408) 547-5885

liz@arista.com

Source: Arista Networks