

## **Arista Networks Instrumental in University of Tokyo's Bandwidth Challenge Win at SC'09**

Tokyo, Japan, Dec 3, 2009 – Network Value Components, a leading distributor of networking equipment in Japan, today announced that the University of Tokyo won the SC09 Bandwidth Challenge in Portland, Oregon on November 20<sup>th</sup>, 2009. The challenge was won with the Arista Networks 7100 Series of 10 Gigabit Ethernet Data Center switches as part of the test topology.

Dr. Kei Hiraki, professor at the University of Tokyo and team leader of Data Reservoir project said,

“Arista 7100 Series Switch has shown its great performance in our demonstration of our 5th Generation

Data-Reservoir, high-speed data transfer systems at our booth.

Thanks for the kind cooperation of Arista's reseller, Network Value Components, our demonstration resulted in the record-making high-speed data transfer testing, using ordinary PCs and specialized FireFox "UsadaFox".

157GB of file was transferred at the speed of 6.5 gigabits per second, about 1,000 times of speed between normal web server and web client over several networks the between Portland, U.S.A. and the University of Tokyo, Japan.”

The University of Tokyo has been developing the GRAPE-DR supercomputing system to produce peta-scale performance with very low power technology and the Data-Reservoir system, a very high-speed data sharing facility with record-breaking TCP technology.

The Data Reservoir application won the award for the "Most Efficient Use of Available Bandwidth," with a peak of 585 megabits per second at SC02, the award for "High-performance bandwidth challenge" with 7.56 gigabits per second over 24,000km at SC03, and achieved 7.21 Gigabits-per-second TCP payload bandwidth on a single stream with standard 1500-Byte Ethernet packets between two servers connected by 31,248km network at SC04.

The Data Reservoir team also currently has the Internet2 Land Speed Record in its all the classes.

At SC09, the file transfer was demonstrated over the public WIDE network, JGN2plus network, JGN2plus network, Pacific Wave Network, NLR Frame Net and SCinet network.

“We are pleased to be involved in the SC09 Bandwidth Challenge win.” said Mark Foss, Director of Global Channels, Arista Networks. “The testing demonstrated the

wire-speed 10GbE performance of Arista 7100 series of switches as recognized by our 2009 Annual HPCwire Readers' Choice Award at SC09".

### **About SC09**

SC09, sponsored by the ACM (the Association for Computing Machinery) and the IEEE Computer Society, offers a complete technical education program and exhibition to showcase the many ways high performance computing, networking, storage and analysis lead to advances in scientific discovery, research, education and commerce. This premier international conference includes a globally attended technical program, workshops, tutorials, an exhibit area, demonstrations and hands on learning. For more information, please visit <http://sc09.supercomputing.org/>.

### **About Network Value Components**

Network Value Components, Ltd. (Tokyo Stock Exchange Mothers: 3394), one of the leading network integrators in Japan, has been providing the corporate customers, government agencies and educational institutes with the latest technologies and products since 1990.

The company supports customer's network and system from consulting and designing phase throughout the maintenance phase after the network deployment with highly reliable value added solution. The company's comprehensive solution includes wired and wireless products, security products, and CDN (Content Delivery Network) related technologies. For more information, please visit <http://www.nvc.co.jp/>

### **About Arista Networks**

Arista Networks was founded to deliver cloud networking solutions for large data center and computing environments. Arista offers best-of-breed Ethernet switches that redefine scalability, robustness, and price-performance. At the core of Arista's platform is the Extensible Operating System (EOS™), a pioneering new software architecture with self-healing and live in-service software upgrade capabilities. Arista's team is comprised of experienced management and engineering talent from leading networking companies. Arista markets its products worldwide through distribution partners, systems integrators and resellers with a strong dedication to partner and customer success. For more information, please visit <http://www.aristanetworks.com> or contact Arista at [media@aristanetworks.com](mailto:media@aristanetworks.com) or 650-462-5000.