Mellanox Technologies, Arista Networks, Lawrence Livermore National Laboratory, Sun Microsystems and System Fabric Works Demonstrate Lustre File System using Low Latency 10 Gigabit Ethernet at SC08

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Austin, Texas, Nov 18, 2008 - Mellanox® Technologies, Ltd. (NASDAQ: MLNX; TASE: MLNX), a leading supplier of semiconductor-based, server and storage interconnect products, today announced a multi-vendor 10 Gigabit Ethernet file system and storage infrastructure demonstration using a 10Gb/s Low Latency Ethernet (LLE) cluster network using Lustre™ technology for computational checkpointing and persistent visualization data storage. The demonstration includes the following vendor components: Mellanox - ConnectX EN 10 Gigabit Ethernet Adapters, Arista Networks - 7124 10 Gigabit Switches, Sun Microsystems - Lustre file system and Sun Fire™ X4540 storage server, System Fabric Works – software integration and demonstration deployment.

“To maintain the cutting-edge R&D computing capabilities our scientists need to fulfill their national security missions, we look for the cost-effective technology solutions that best suit our unique computing environment,” said Mark Seager, Assistant Department Head for Advanced Technology of LLNL’s Computation Directorate. “Employing this kind of technology allows us to explore and develop the petascale computing capabilities vital to our future research endeavors and advances high performance computing.”

“End-users are looking for improved application latency and performance for their compute intensive applications, faster access to storage, and reduced complexity of their 10 Gigabit Ethernet deployment,” said Sash Sunkara, vice president of marketing at Mellanox Technologies. “By deploying Mellanox ultra low-latency ConnectX EN 10 Gigabit Ethernet Adapters with support for Data Center Ethernet, FCoE offload, and SRIOV, end-users can achieve record 10 Gigabit Ethernet application and latency performance while reducing their overall infrastructure.”

“Arista offers the industry's best -of -breed 10 Gigabit Ethernet switching platforms, redefining latency, scalability, resilience, and price–performance,” said Mansour Karam, Director of Business Development, Arista Networks. “Our

pioneering new software architecture, with self-healing and live in-service upgrade capabilities combined with non-blocking wire-speed 10 Gigabit throughput, makes the Arista 7100 series ideally suited for storage and compute intensive applications."

"The Lustre file system with 10 Gigabit Ethernet, Linux and the Sun Fire X4540 Open Storage Server provides a wide range of configurability with the highest end-to-end data integrity available," said Hanxi Chen, Open Storage Product Manager, Sun Microsystems. "This architecture can easily accommodate growth as LLNL's petascale storage requirements scale up," said Kevin Canady, Director of Lustre Business Development, Sun Microsystems. "Lustre's parallel I/O and the emerging speed up of Ethernet can provide savings in cost and rack space of 50 percent, compared to other approaches."

"Our experience with multi-gigabit networks, open storage platforms and open source operating systems made the software integration for this demonstration very successful," said Bob Pearson, CEO of System Fabric Works. "Implementing this demonstration on the Open Fabrics network within SCinet at SC08 presages the innovative architectures that 10 and 40 Gigabit Ethernet promise for high performance computing applications."

This demonstration also highlights the multi-vendor relationships with LLNL which is exploring the integration of multiple vendors' network and storage components at highbandwidths as they will be tested and operated with advanced experimental topologies, routing software and storage server architectures. These topologies and software innovations are intended to allow LLNL to scale its site-wide filesystems for multipetaFLOP systems with increasing network speeds, adapter capabilities and storage system architectures.

About SCinet and SC08:
SCinet is the very high-performance network built each year to support the annual SC conference. SCinet features both a high-performance production-quality network and extremely high performance networks utilizing the OpenFabrics Alliance software. Volunteers from educational institutions, high performance computing sites, network OEMs, research networks, and telecommunications carriers work together to design and deliver the SCinet network each year. OEMs and carriers donate much of the equipment and services needed to build the LAN and WAN infrastructure.

SC08, sponsored by the ACM (Association for Computing Machinery) and the IEEE Computer Society Technical Committee on Scalable Computing and the IEEE Computer Society Technical Committee on Computer Architecture, will showcase how high performance computing, networking, storage and analysis leading to advances in research, education and commerce. This premiere international conference includes technical and education programs, workshops, tutorials, an exhibit area, demonstrations and hands-on learning. For more information, please visit **http://sc08.supercomputing.org/**.

About Mellanox

Mellanox Technologies is a leading supplier of semiconductor-based, interconnect products to world-class server, storage, and infrastructure OEMs servicing Fortune 500 data centers, the world's most powerful supercomputers, and mission critical embedded applications.

Founded in 1999, Mellanox Technologies is headquartered in Santa Clara, California and Yokneam, Israel. For more information, visit Mellanox at **www.mellanox.com**.

About Arista Networks

Arista Networks, formerly known as Arastra, was founded to deliver Cloud Networking™ solutions for large datacenter and computing environments. Arista offers best-of-breed 10 Gigabit 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.

About System Fabric Works

Founded in 2002, System Fabric Works (SFW) develops and integrates server, storage and network software solutions that provide platforms for high-performance distributed applications throughout the enterprise. SFW uses the phrase "Fabric Computing" to describe the leverage that Remote Direct Memory Access (RDMA) architectures provide to computing, network and storage systems to deliver higher performance, lower latency and less energy consumption. SFW currently supports InfiniBand (IB) and Low Latency Ethernet/iWARP RDMA fabrics.

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