



ETHERNET ALLIANCE LIVE INTEROP DEMONSTRATION FINDS SUCCESS AT SC10

Interoperability Results Prove Valuable to Member Companies Who Participate

December 7, 2010, Mountain View, CA – Nineteen member organizations of the Ethernet Alliance came together at SC10 in New Orleans for an unprecedented live multi-vendor, multi-technology interoperability demonstration. As the international conference for the high performance computing (HPC), Networking, Storage and Analysis, SC10 proved to be a valuable venue to demonstrate the latest in Ethernet technologies and applications. The demonstration at SC10 featured equipment from: Amphenol, Broadcom, Brocade, Chelsio Communications, CommScope, Cisco Systems, Dell, Emulex, Force10 Networks, Fulcrum Microsystems, Intel, Ixia, JDSU, Mellanox, NetApp, Panduit, Spirent, and Volex. Leading the testing set-up was the University of New Hampshire InterOperability Laboratory (UNH-IOL), an independent provider of broad-based testing and standards conformance services for the networking industry.

The comprehensive technology demonstration included 40G Ethernet products moving traffic through a live 40G network. The overall flexibility of the 40G network was emphasized by passing the data through four aggregated 10GBASE-T and 10GBASE-SR links. In addition, an inside look at lossless traffic including Fibre Channel over Ethernet (FCoE), iSCSI, RDMA over Ethernet (iWARP, RoCE) and other transport technologies was provided in the demonstration. The Data Center was lossless through the use of protocols such as Priority based Flow Control (PFC) and Enhanced Transmission Selection (ETS). iWARP and RoCE were demonstrated with real-world MPI applications and benchmarking tools measuring network throughput and latency. RNIC iWARP interoperability was additionally showcased in the iWARP cluster. FCoE and iSCSI used SCSI I/O generation tools to measure throughput and latency. One of the largest successes from the demonstration was the ease in which all companies were able to interoperate on the converged network.

“The Ethernet Alliance had a record number of member companies participate in this year’s SC exhibition and we were pleased with the results of the interoperability demonstration,” commented Jim Theodoras, president of the Ethernet Alliance. “The excitement felt in our own booth carried over to the exhibition floor, as shown by the record attendance numbers. This is an exciting time for the Ethernet Alliance, our member companies, and the HPC industry.”

This year’s SC10 conference set an all-time record for participation in the technical program with 4,390 attendees. Overall attendance broke the 10,000 mark. Visitors to the Ethernet Alliance booth reached more than six hundred. During the exhibition, four white

papers were published by Ethernet Alliance members and can be viewed at: <http://ethernetalliance.org/events/sc10>. The successful event marked the 23rd anniversary of the SC conference series.

About the Ethernet Alliance

The Ethernet Alliance is a global community of Ethernet end users, system and component vendors, industry experts and university and government professionals who are committed to the continued success and expansion of Ethernet. The Ethernet Alliance brings Ethernet standards to life by supporting activities that span from incubation to interoperability. For more information, visit <http://www.ethernetalliance.org>.

Individuals who would like to receive updates on Ethernet Alliance news, activities and events may sign up for the Ethernet Alliance newsletter at ethernetalliance.org/newsletter.

Media Contact:

Rebecca B. Andersen
Pacific Bridge Marketing for Ethernet Alliance
RAndersen@PacificBridgeMarketing.com
+1.202.596.2652

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