Mellanox Demonstrates an InfiniBand Based Data Center at Industry Interoperability Event

Web and Database Applications are included in World's Largest 100 Node InfiniBand Fabric Demonstration

INTEL DEVELOPER FORUM, SAN JOSE, Calif., August 28, 2001 - Mellanox Technologies, Ltd., a leading supplier of InfiniBand semiconductors announced today the demonstration of a web server cluster and IBM DB2 and Oracle database applications based on Mellanox's InfiniBridge™ technology. The demonstration is being presented as part of the industry's first large scale InfiniBand Industry Interoperability Demonstration. The demonstration, part of the Multi-vendor Interoperability Demonstration featuring 100 InfiniBand Nodes, is being showcased at the Intel Developer Forum August 27-30, 2001 at the San Jose Convention Center.

The InfiniBand IBM DB2 database platform is hosted on a 4-node cluster of 1U Compaq Pro-Liant™ DL360 servers connected with Mellanox's InfiniBridge Host Channel Adapters (HCAs) and switches supporting both 4X (10Gb/s) and 1X (2.5Gb/s) links. An OmegaBand Ethernet gateway (based on Mellanox InfiniBridge silicon) provides connectivity to LAN/WAN based clients running TCP/IP.

"InfiniBand clustering technology provides scale-out performance and availability for enterprise solutions using industry standard platforms including market leading Compaq ProLiant servers," said Ken Jansen, Director of Advanced Technology, Compaq Computer Corporation. "As a pioneer in defining data centers of the future, Compaq is working with vendors like Mellanox to develop InfiniBand technology."

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Mellanox Technologies Inc

"Most people don't realize how straightforward it is to add InfiniBand technology to their existing data center," said Kevin Deierling, Vice President of Product Marketing of Mellanox Technologies. "Being able to take existing server components on industry standard server platforms and run enterprise level database applications on them now, shows just how seamless the integration of the InfiniBand architecture is. This demonstrates how straightforward it is to deploy Infini-Band technology in the data center and recognize many of the benefits of the architecture such as reliability, availability, and serviceability, while still being able to leverage the existing LAN infrastructure."

An application compute cluster is hosted on Dell PowerEdge 1550 servers utilizing InfiniBridge HCA's. An IP to InfiniBand Router (based on Mellanox InfiniBridge silicon) provided by Voltaire is used to connect the InfiniBand system area network to multiple client applications on the LAN/WAN.

"This demonstration of real applications running on a cross-vendor, InfiniBand cluster network showcases the commitment of the InfiniBand Trade Association members to interoperability and gives a glimpse of the enterprise capabilities that InfiniBand can deliver," said Randy Groves, vice president and general manager of Dell's Enterprise Systems Group.

The InfiniBand web server is hosted on a 4 node cluster based on IBM x330 servers connected with InfiniBridge based HCAs and 4X switches. This web server cluster is part of the InfiniBand industry interoperability showcase.

"The one hundred Node InfiniBand fabric represents a great advancement for both the industry and the InfiniBand Trade Association (ITBA) since the October 2000 release of the InfiniBand I/O specification," said Dr. Tom Bradicich, co-chair of the IBTA and CTO of IBM eServer xSeries. "This achievement, with diverse and high numbers of nodes, clearly demonstrates the multi-vendor, multi-application interoperability of InfiniBand."

InfiniBand technology offers the highest performance (10Gb/s) clustering network available and runs on industry standard servers, allowing the implementation of fault tolerant, highly available storage, database, and web server applications.

Mellanox Technology Showcased

The demonstration showcases Mellanox's copper based, bi-directional 10Gb/s InfiniBridge devices, Mellanox's InfiniBridge Host Channel Adapters (HCAs) and switches supporting both 4X (10Gb/s) and 1X (2.5Gb/s) links, support for enterprise class servers and software applications, and the ability to provide transparent LAN connectivity. The InfiniBand fabric is managed by Subnet Management software from Vieo and Lane15.

Demonstrating Mellanox's InfiniBridge Technology

To see a demonstration of Mellanox's new development capabilities, visit us August 28-30 at booth 326 at the Intel Developer Forum in the San Jose Convention Center.

About Mellanox

Mellanox is the leading supplier of InfiniBand semiconductors, providing switches, Host Channel Adapters, and Target Channel Adapters to the server, communications, and data storage markets. In January 2001, Mellanox Technologies delivered the InfiniBridge MT21108 the first 1X/4X InfiniBand device to market and is currently the only production InfiniBand silicon available. The company has raised more than $33 million to date and has strong corporate and venture backing from Intel Capital, Raza Venture Management, Sequoia Capital, and US Venture Partners. In May 2001, Mellanox was selected by the *Red Herring Magazine* as one of the 50 most important private companies in the world. Mellanox currently has more than 180 employees in multiple sites worldwide. The company's business operations, sales, marketing, and customer support are headquartered in Santa Clara, CA; with the design, engineering, software, system validation, and quality and reliability operations based in Israel.

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