Mellanox Weaves Microsoft Windows Server 2003 Support into InfiniBand Fabrics

Windows Clusters Interconnected with InfiniBand Efficiently Scale Out with Leading TCO

PITTSBURGH, PA - November 8, 2004 - (SuperComputing 2004) - MellanoxTM Technologies Ltd, the leader in performance business and technical computing interconnects, announced support for Microsoft Windows Server 2003 for InfiniBand I/O, extending server clustering performance, cost, and scalability benefits in supercomputing applications. InfiniBand can connect up to thousands of 10 Gb/s compute and storage nodes into a single fabric utilized by Windows Server-based parallel processing business and computational applications. Windows Server 2003 takes the Microsoft value proposition of ease of use, ease of deployment and ease of management, and applies it to directly to InfiniBand clusters deployed in data centers and technical computing environments.

"With Windows Server 2003 InfiniBand support, Mellanox and Microsoft are driving performance server clustering into mainstream computing and storage applications," said Eyal Waldman, CEO of Mellanox Technologies. "The Windows Server platform provides a simplified, familiar environment from which parallel computing applications can be deployed and managed. In addition, integrated storage drivers enable Windows Server clusters to directly connect to native InfiniBand storage systems delivering true 10Gb/s storage throughput."

InfiniBand Support for Windows Server 2003, Compute Cluster Edition

In the second half of 2005, Microsoft is scheduled to release Windows Server 2003, Compute Cluster Edition--designed to include job schedulers and enhanced cluster management support. InfiniBand Windows clusters will take full advantage of the integrated Message Passing Interface

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(MPI) standard protocol used in High Performance Computing as well as 64-bit processing used in highly efficient parallel applications.

"Microsoft Windows Server 2003, Compute Cluster Edition with InfiniBand support provides scalability and lower total cost of ownership with powerful management tools," said Dennis Old-royd, director of marketing, Windows Server Division, Microsoft. "InfiniBand is a well estab-lished interconnect technology in the research and academic communities, and it is gaining momentum in the business sectors. We believe InfiniBand support will increase marketplace adoption of our upcoming product."

The "WinIB" Support Package

Mellanox provides a free support package (alpha version available in December 2004) called "WinIB" that includes all drivers and middleware required to gain the full performance advantage of InfiniBand clusters running Windows Server 2003. Specifically, this package includes:

- InfiniBand drivers
- InfiniBand Subnet Management
- MPI Middleware for Clustering Applications
- NDIS Driver for LAN Networking
- Winsock Direct Driver for Accelerated LAN Communications
- SCSI Driver for Remote InfiniBand Storage

This package supports all Mellanox Host Channel Adapter (HCA) and switch solutions, and eas-ily installs on Windows based InfiniBand clusters within a matter of minutes. Mellanox is demon-strating the WinIB software package at the SC2004 High Performance Computing, Networking and Storage Conference in Pittsburgh, PA, November 8-11 (booth #835). The demonstration runs the MOIL Molecular Modeling Application on an InfiniBand cluster of Intel® Xeon-based Serv-ers with Extended Memory 64 Technology (Intel® EM64T), utilizing the Microsoft Windows Server 2003 operating system.

About Mellanox

Mellanox field-proven offering of interconnect solutions for communications, storage and com-pute clustering are changing the shape of both business and technical computing. As the leader of

industry-standard, InfiniBand-based silicon and system solutions, Mellanox is the driving force behind the most cost-effective, highest performance interconnect solutions available.

For more information visit Mellanox website at www.mellanox.com

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