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Mellanox Announces Innovative SHIELD Technology, Enabling Industry's Most Resilient and Scalable Data Center Networks

SHIELD Improves Data Center Fault Recovery by 5000 Times, Brings Self-Healing Interconnect Capabilities for Building Robust Compute and Storage Infrastructures

SUNNYVALE, Calif. & YOKNEAM, Israel--(BUSINESS WIRE)-- Mellanox[®] Technologies, Ltd. (NASDAQ:MLNX), a leading supplier of high-performance, end-to-end interconnect solutions for data center servers and storage systems, announced SHIELD, an innovative interconnect technology that improves data center fault recovery by 5000 times by enabling interconnect autonomous self-healing capabilities. SHIELD technology is enabled within Mellanox's 100G EDR and 200G HDR InfiniBand solutions, providing the ability for interconnect components to exchange real-time information and to make immediate smart decisions that overcome issues and optimize data flows. In a world of data, fast recovery of data flow faults is critical to ensure real-time data analysis and fast business decisions. SHIELD will enable greater reliability, more productive computation, and optimized data center operations to ensure the highest return on investment.

"The CPU-centric data center architecture has come to an end and new data centers are now built based on a data-centric architecture. These systems require an intelligent interconnect that can deliver In-Network Computing and Self-healing capabilities, to ensure highest performance, scalability and resiliency," said Gilad Shainer, vice president of marketing at Mellanox technologies. "Mellanox leading technologies, Mellanox SHARP and SHIELD provide the ability to analyze data within the interconnect, and to overcome issues and to optimize data flows, resulting in 10X to 5000X improvements. These technologies are essential for high-performance computing, artificial intelligence, big data, cloud and other demanding applications to ensure highest productivity."

"We believe that the Mellanox SHIELD technology is essential to modern data centers, particularly enterprise data centers who need to be able to handle the growing needs of data analytics in an efficient and real time manner with maximum reliability," said Dan Olds, principal analyst at OrionX.net. "The new generations of interconnects have to handle data analysis as well as increase the overall robustness of the system. SHIELD is a breakthrough technology enabling self-healing interconnect solutions, which will enable users to increase their data throughput and even improve total cost of ownership."

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About Mellanox

Mellanox Technologies (NASDAQ:[MLNX](#)) is a leading supplier of end-to-end Ethernet and InfiniBand intelligent interconnect solutions and services for servers, storage, and hyper-converged infrastructure. Mellanox's intelligent interconnect solutions increase data center efficiency by providing the highest throughput and lowest latency, delivering data faster to applications and unlocking system performance. Mellanox offers a choice of high performance solutions: network and multicore processors, network adapters, switches, cables, software and silicon, that accelerate application runtime and maximize business results for a wide range of markets including high performance computing, enterprise data centers, Web 2.0, cloud, storage, network security, telecom and financial services. More information is available at www.mellanox.com.

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Mellanox Technologies, Ltd.

Press/Media Contact

McGrath/Power Public Relations and Communications

Allyson Scott, +1 408-727-0351
allysonscott@mcgrathpower.com

or

Israel PR Contact

Galai Communications Public Relations
Jonathan Wolf, +972 (0) 3-613-52-48
yonit@galaipr.com

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