



March 6, 2013

Mellanox FDR 56Gb/s InfiniBand Accelerates the Next Generation Microsoft SQL Server 2012 Parallel Data Warehouse Appliance

Mellanox's FDR 56Gb/s InfiniBand enables higher performance while reducing overall operational and capital expenses

SUNNYVALE, Calif. & YOKNEAM, Israel--(BUSINESS WIRE)-- Mellanox® Technologies, Ltd. (NASDAQ: MLNX) (TASE: MLNX), a leading supplier of high-performance, end-to-end interconnect solutions for data center servers and storage systems, today announced that its FDR 56Gb/s InfiniBand [adapters](#) and [switches](#) accelerate Microsoft's new SQL Server 2012 Parallel Data Warehouse appliance. InfiniBand enables Microsoft to offer new functionality and deliver higher performance and scalability while reducing the hardware footprint to enable the lowest total cost of ownership. Benchmarks show that the new appliance enables completion of a warehouse query of over 1,000 Terabytes of data in less than two seconds, compared to the previous generation's completion time of two minutes with just 100 Terabytes of data.

Microsoft SQL Server 2012 Parallel Data Warehouse (PDW) is a scalable data warehouse appliance that delivers performance and scalability through massively parallel processing connected by a single high-speed 56Gb/s InfiniBand interconnect. PDW takes advantage of Windows Servers 2012 SMB Direct protocol to support storage access over native RDMA, and can use Mellanox interconnect solutions to accelerate access to storage by 10X.

"Microsoft SQL Server 2012 Parallel Data Warehouse is an enterprise class appliance that was built for integration with Big Data and that can handle the most demanding data requiring very high scalability and performance," said Mark Jewett, Director, Server and Tools Marketing, at Microsoft. "By taking advantage of storage innovations in Windows Server 2012, Mellanox benchmarks demonstrate that their RDMA interconnect solutions can help increase network speed significantly for data warehouse queries."

"Modern database applications require higher performance, scalability and availability, placing increased demands on the server and storage interconnect," said Gilad Shainer, vice president of marketing development at Mellanox Technologies. "When using Mellanox's RDMA-based InfiniBand interconnect solutions with Windows Server 2012 in-box support, Microsoft's SQL Server 2012 PDW customers will achieve outstanding application performance and business benefits."

Supporting Resources:

- Learn more about Mellanox's FDR 56Gb/s InfiniBand [adapters](#), [switches](#), [management software](#), [acceleration software](#) and [cables](#)
- Learn more about [Mellanox's complete RDMA based Windows Server 2012 SMB Direct solution](#)
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About Mellanox

Mellanox Technologies is a leading supplier of end-to-end InfiniBand and Ethernet interconnect solutions and services for servers and storage. Mellanox interconnect solutions increase data center efficiency by providing the highest throughput and lowest latency, delivering data faster to applications and unlocking system performance capability. Mellanox offers a choice of fast interconnect products: adapters, switches, 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 and financial services. More information is available at www.mellanox.com.

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Source: Mellanox Technologies, Ltd.

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