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Mellanox Collaborates with DataON to Provide Cluster-in-a-Box Storage Appliance

Mellanox RDMA-based 40GbE and FDR 56Gb/s InfiniBand interconnect solutions deliver leading performance over Windows Server 2012 R2

HOUSTON--(BUSINESS WIRE)-- **TechEd North America 2014** - Mellanox® Technologies, Ltd. (NASDAQ:MLNX), a leading supplier of high-performance, end-to-end interconnect solutions for data center servers and storage systems, today announced that its ConnectX®-3 10/40Gb RDMA over Converged Ethernet (RoCE) and FDR 56Gb/s InfiniBand Network Interface Cards (NICs) power DataON™ Storage Cluster-in-a-Box (CiB) appliances. The Mellanox-DataON collaboration provides Microsoft customers with improved I/O, hot-tiered data storage performance, higher efficiency with ultra-low latency and with dramatic CapEx and OpEx savings. The joint solution will be demonstrated live May 12-15, in the DataON Storage booth (#1727) at the Microsoft TechEd North America 2014 Conference, George R Brown Convention Center in Houston, TX.

"DataON Storage introduced us to the low-latency, high throughput technology from Mellanox," said Rechi Relatores, system architect, Hitachi Solutions America, Ltd. "By combining the Microsoft certified solution from DataON Storage and the ConnectX-3 network adapters, we're able to achieve a scalable solution with exceptional efficiency and storage density."

DataON's Windows Server 2012 R2 certified Cluster-in-a-Box storage system provides scalable shared tiered storage capacity, lower power and ease of deployment in a low TCO, resilient footprint. When coupled with Mellanox RDMA- (Remote Direct Memory Access) enabled I/O adapters, the CiB appliance enables small- and mid-size businesses to maximize ROI by consolidating hardware costs, simplifying deployments and providing ideal resiliency, while at the same time delivering economical scalable storage with industry-leading networking performance and resource efficiency.

"Windows Server 2012 R2 includes groundbreaking networking functionality, called SMB Direct, which supports the use of network adapters that have RDMA-capability," said Jose Barreto, principal PM manager, cloud and enterprise, at Microsoft. "The collaboration between DataON Storage and Mellanox has potential to deliver impressive end-to-end storage and networking performance improvements."

The Mellanox-supported DataON CiB appliance utilizes the server failover and resiliency features of Windows Server 2012 R2 Storage Spaces to achieve high availability (HA) dual-node clustering with shared storage capacity. Currently shipping in two variants, the CiB-9220 12-bay 2U is purpose-built for Scale-Out File Server (SOFS) deployments and the massively dense CiB-9470 with up to 420TB capacity in a 4U enclosure, requiring 75 percent less rack space than legacy storage. With a power savings of more than 30 percent, the solution delivers IT datacenter administrators a cost-effective private cloud appliance solution.

"DataON Storage has a strong history of working closely with software-defined storage communities," said Trenton R. Baker, vice president business development, DataON Storage. "We're excited to bring the DataON CiB platform leveraging RDMA enabled adapters from Mellanox to the software-defined Windows Server 2012 R2 community, by providing the optimal throughput needed for successful auto-tiering storage deployments."

Mellanox offers industry-leading end-to-end latency and infrastructure flexibility with adapters supporting RoCE. RDMA technology offloads data transport to free up CPU for virtualized networks, data intensive cloud applications and data analytics. Mellanox RDMA-enabled InfiniBand and Ethernet interconnects provide a high-performance and cost-effective solution that scales easily with the DataON Cluster-in-a-Box platform, leveraging RDMA offloading with SMB Direct to accelerate data access and provide the throughput needed to satisfy high Input/Output Operations Per Second (IOPS) SSD devices present in Windows Server 2012 R2 hot data tiering.

"As the amount of data continues to grow exponentially, the market needs to adopt advanced technologies that enable faster and more efficient access to storage," said Kevin Deierling, vice president of marketing at Mellanox Technologies. "We are pleased to see DataON among the first companies to recognize this need and to integrate our RDMA interconnect solutions in their Storage CiB-9220 appliance."

Visit Mellanox Technologies at TechEd (May 12-14, 2014)

Visit Mellanox Technologies at booth #841 to discuss our Windows Server 2012 SMB Direct interconnect solutions, and the full suite of Mellanox's end-to-end high-performance Ethernet and InfiniBand data center interconnect products.

Supporting Resources:

- Learn more about [Mellanox's complete FDR 56Gb/s InfiniBand solution](#)
- Learn more about [Mellanox's complete 10GbE solution](#)
- Learn more about [Mellanox's complete 40GbE solution](#)
- Learn more about [Mellanox's complete RDMA based Windows Server 2012 R2 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, cables 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.

About DataON:

DataON Storage is the leading provider of OS-agnostic storage enclosures. As a pioneer in clustered storage, DataON delivers resilient, high-performance; scalable solutions tailored to snap into any existing environment and tuned for scale-out software-defined storage. DataON developed its flagship product the CiB-9470—a massively dense, high availability cluster-in-a-box platform (CiB) to provide the most storage density in the industry. Petabyte scalability can be achieved via external JBOD enclosures—4U 60-bay, 4U 24-bay and 2U 24-bay. DataON is the storage division of Area Data Systems. More information can be found at www.DataONstorage.com, or call +1 (714)441-8820 or comment via @DataON.

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