

## Look at that SAS, 12Gb/s JBODs certified for Windows Server 2012 R2

### *DataON Storage Earns Official Storage Spaces Certification*

Anaheim, CA May the 4<sup>th</sup> 2015 -- DataON Storage, a leading provider of OS-agnostic storage platforms, announces the Microsoft certification of the DataON 12Gb/s SAS JBOD enclosures for Storage Spaces functionality in Windows Server 2012 R2. As a champion of tiered storage scale-out file server (SOFs) disk shelves and hyper-convergence appliances, DataON's storage JBOD enclosures deliver exceptionally fast performance (SSD hot tiering) and scaling capacity (HDD cold tiering) for hosters and cloud-providers seeking cost-efficient platforms with continuous availability and massively scalable data. Microsoft's Storage Spaces combined with DataON expansion storage enclosures and utilizing a bring-your-own-node architecture can help data centers, hosters and cloud-providers free themselves of the inefficient legacy slow area network (SAN) systems.

"Avago Technologies welcomes the introduction of DataON JBODs with 12Gb/s SAS," said Jas Tremblay, vice president of marketing, Data Center Solutions Group, Avago Technologies. "DataON customers can benefit from the advanced capabilities within the Avago 9300 Series 12Gb/s SAS HBAs that provide increased 12Gb/s SAS throughput and system scalability."

The DataON Storage DNS-2640 and DNS-2670 12Gb/s SAS storage JBODs have completed the validation process to achieve certification and approval by the Microsoft team. The 24-bay DNS-2640 enclosure with 2.5" small form factor drives is performance-tuned to deliver 12Gb/s SSD speeds and low I/O latency with the introduction of twelve high frequency SAS ports per unit. This innovation enables SAS expansion and accommodation of multiple server nodes to drive an all flash pure storage shared data pool—capable of feeding millions and millions of IOPS.

"SAS expanders and increased SAS port count, unique to DataON, enable these enterprise-grade modular JBODs to scale with the efficiency and efficacy of a certified cloud platform architecture," states Trenton R. Baker, vice president business development, DataON Storage. "Typical storage enclosure vendor designs limit the number of SOFS nodes allowed to scale with only two or four SAS ports per I/O module, such deficiencies can limit the effectiveness of Storage Spaces."

The 70-bay DNS-2670 enclosure with 3.5" drives will provide better than half a petabyte of end-to-end 12Gb/s data drives to an existing set of SOFS Storage Spaces nodes and comes with sixteen SAS ports per unit. Add the DNS-2670 to a DataON Cluster-in-a-Box CiB-9470 V12 and it spawns the PetaTwin™ design. A PetaTwin is an ultra-dense, highly available dual-node solution with 1+ petabyte of HDD capacity and up to 20TB of tiered SSD flash storage consuming only 8U of rack space. Hosters and cloud providers can now effortlessly scale with reduced acquisition costs (CapEx) and massively scale future workloads—for under 15¢ / GB.



"Windows Server 2012 R2 with Storage Spaces introduced numerous advancements for private and public cloud customers," states Matt Garson, Senior Program Manager, Microsoft. "The DataON certified JBOD enclosures present a success path to performance by advancing 12Gb/s SAS into the Windows Server 2012 R2 scale-out file server architecture."

Third generation (12Gb/s) SAS technology allows for flash and capacity solutions to breakthrough performance and density bottlenecks. Only the DataON JBOD with its high SAS port count design allows for increased throughput for Windows Server 2012 R2 via scaling out with highly available server nodes or teaming with multiple Avago HBA or RAID cards to take full advantage of the 12Gb/s devices. Aggregated SAS ports empower 100% utilization of hot tier solid state drives and with Storage Spaces' write-back caching for I/O intensive workloads, like virtual desktop infrastructure (VDI), latency of random writes is reduced decidedly thus allowing a balance between performance and affordability of commodity hardware.

Certified storage solutions by DataON are designed for cloud and infrastructure workloads, as well as business critical applications with Windows Server 2012 R2 scale-out file server storage features, including Server Message Block (SMB) 3.0, Failover Clustering, Cluster Shared Volumes (CSV), Enclosure Awareness, and Storage Quality-of-Service (QoS). The DataON family of Dynamic Networked Storage (DNS) JBOD, with its wide range of capacity options and high SAS port counts, offers unparalleled flexibility to extend performance or capacity as needs change.

#### **Pricing and Availability**

The DNS-2640 and DNS-2670 are currently available and on display at the inaugural Microsoft Ignite, May 4–8, 2015 in Chicago in booth #302. The DNS-2640 comes with an MSRP of \$4195 while the 70-bay DNS-2670 is available at \$12,450 or fully populated with 560TB for under \$60k.

#### **About DataON**

DataON Storage is a leading provider of OS-agnostic storage platforms, including scale-out JBOD enclosures and converged storage cluster-in-a-box appliances. DataON offers resilient, scalable and high-performance solutions tailored to snap into any cluster-aware software-defined storage environment and certified for Windows Server 2012 R2 Storage Spaces. The DataON tiered storage CiB design enables SMBs and enterprises to achieve million IOPS performance with petabyte scalability; tuned for software-defined data centers, VM and storage convergence, desktop virtualization (VDI), database, and private cloud deployments. DataON is the storage division of Area Data Systems; information is available at [www.DataONstorage.com](http://www.DataONstorage.com), call +1 (888)726-8588 or comment via [@DataON](https://twitter.com/DataON).