

SC16 Launch - Introducing the Igloo Plus - Ice, A High Availability, 2U All-Flash Appliance with 600K Sustained IOPS

Submitted by: Boston

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St. Albans, United Kingdom (9th December, 2016) – As part of its exhibition at SC 2016, Boston Limited will introduce its latest all-flash solution featuring FlexiRemap® flash-management technology.

In partnership with AcceleStor, the software-defined all-flash array provider, Boston brings to the market their Supermicro® based, all-flash appliance; the Igloo Plus Ice. The Boston Igloo Plus Ice is a high-availability, 2U rack-mount storage solution featuring 600K sustained IOPS of performance with 5.8TB usable storage capacity and high-speed, 10GbE connectivity. Utilising AcceleStor's FlexiRemap® flash-management software technology, the compact, high-value 2U flash appliance saves rack space by packing two controllers into a single chassis, and provides outstanding I/O performance without costly proprietary hardware. The Igloo Plus's high-throughput node replication, allows the full performance of all-flash acceleration to be realised, even with high availability.

FlexiRemap® technology is flash-oriented software developed by AcceleStor. This software features an architectural re-design tailored for the fundamentals and internal workings of flash memory. Unlike RAID algorithms, FlexiRemap® remaps the data whenever beneficial before passing it to the underlying flash memory, avoiding unnecessary overhead and extending the lifespan of SSDs. Such remapping is especially crucial for random-write access patterns, which comprise most enterprise-data traffic and are a major cause of storage-access performance bottlenecks. Plus, with data protection built in, FlexiRemap® provides the most desirable benefits of RAID algorithms, without the drawbacks.

Benefits of the Igloo Plus Ice include:

- A low TCO SDS solution offering superior performance per dollar vs. proprietary hardware equivalents
- Two complete nodes in one appliance enclosure
- Active-active failover with zero downtime
- 12 SSDs (including 1 hot spare) per node
- Fault tolerance with automatic data reconstruction for peace of mind
- Web-based management interface via HTTP/HTTPS

"Being the world's very first software-licensing partner of AcceleStor, Boston provides the best-in-class products to support those I/O-intensive applications in high-performance computing. After the successful launch of the 1U Igloo Plus appliance at ISC earlier this year, we have developed the Igloo Plus – Ice, in partnership with AcceleStor, to be the perfect fit for all mission-critical requirements, enterprise and industry applications; particularly databases and online transaction processing (OLTP)." – Manoj Nayee, Managing Director, Boston Limited

"Today's enterprise systems are complex and ever-changing, making it struggle for a powerful high availability solution," said Dr. Charles Tsai, the President of AcceleStor. "The partnership and integration between Boston and AcceleStor's FlexiRemap® software enable enterprises to achieve no single point of failure on a high performance all-flash array and as a result improve the overall IT posture."

Ends

For full specifications please click here (<http://www.boston.co.uk/products/bos-ix0-1205-f10s.aspx>)

For further information, including product details and specifications, please contact:

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Notes to editors:

1. About Boston

Boston Limited has been providing cutting edge technology since 1992 using Supermicro® building blocks. Our high performance, mission-critical server and storage solutions can be tailored for each specific client, helping you to create your ideal solution. From the initial specification, solution design and even full custom branding – we can help you solve your toughest business challenges simply and effectively. Boston.co.uk

2. About AcceleStor

AcceleStor is accelerating the paradigm shift from traditional disk arrays to modern all-flash storage. Adopting the methodology of software-defined flash, AcceleStor harnesses the power of modern processor architecture and flash memory to build cutting-edge storage appliances that deliver high IOPS, benefiting a wide variety of cloud-computing, enterprise, and industry applications. AcceleStor.com