

Boston and Nyriad Launch NVIDIA GPU_accelerated SSD Storage Array at ISC 2018

The world's first "GPU_powered SSD storage solution", which provides speed and data resilience exceeding traditional RAID_based solutions

FRANKFURT, GERMANY, June 25, 2018 /EINPresswire.com/ -- Frankfurt, Germany (25th June, 2018) – For the first time at the International Supercomputing Conference (ISC 2018), [Boston](#) Limited and [Nyriad](#) Limited are pleased to announce the world's first "GPU_powered SSD storage solution", the Boston [Igloo Nebari](#) which provides speed and data resilience exceeding traditional RAID_based solutions.

The Boston Igloo Nebari system, based on a Supermicro server, supports up to 72x Micron 5100 PRO SSDs and Micron NVDIMMs powered by NVIDIA® Tesla®

P4 GPUs, and harnesses Nyriad's NSULATE™, a GPU_accelerated, software_defined alternative to RAID. NSULATE presents groups of physical storage devices as a Linux block device to the system and leverages the accelerated processing capabilities of NVIDIA GPUs to perform real_time erasure coding at many times the resilience and speed of CPU erasure coding or RAID_based systems.

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The Nyriad and Boston relationship began at GTC18 when we were impressed with their live demo, which drew impressive crowds.”

Mr. Manoj Nayee, Managing Director, Boston

NSULATE also simultaneously performs cryptographic checksums on every block of data to prove that every bit stored is perfectly recovered. The use of an NVIDIA GPU as a storage processor enables configuration of reliable arrays with greater parallelism and scale than traditional storage arrays.

The Boston Igloo Nebari will be on display at the Boston Ltd booth (C_1232) at ISC 2018 at the Messe Frankfurt in Germany between 25th and 27th June. Throughout the show, in_booth demonstrations of Nebari will be presented by Leon Oud, Nyriad's Director of Developer Services, and Patricks O'Neill, Boston's HPC Systems Engineer, who will showcase both the power of NSULATE and the resilience by removing drives from an active array without impacting function or performance.

Matthew Simmons, CEO of Nyriad, says: "Boston is a major distributor of Supermicro hardware and

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Nebari Server

we are not only delighted to be working with them, as our first partnership in Europe, but we are excited to be jointly releasing a next_generation storage solution that we know will solve the many problems of data resilience, availability and providence.



Manoj Nayee, Managing Director of Boston, states: “The Nyriad and Boston

relationship began at GTC18 when we were impressed with their live demo. During the show, we began early discussions around partnership before taking NSULATE into Boston Labs for testing, where we were impressed by its real-time erasure coding up to 255 parity, cryptographic checksums, and real-time corruption recovery. In this short amount of time we’re pleased to announce our end_to_end solution that is ready for market.”

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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 Nyriad

Nyriad is an exascale software company specialising in advanced data storage solutions for big data and high performance computing. Nyriad initially developed a GPU_accelerated storage technology for the Square Kilometre Array, the world's largest computing project. The sheer scale of the problem led Nyriad to a breakthrough in computing density where parallel computing and distributed storage_processing become the same thing. Nyriad's first product, NSULATE, is now available from Boston. For more information, visit nyriad.com.

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