

Press Release

Enmotus Announces General Availability of FuzeDrive™ Server Software

Enables storage appliance and converged platform builders to provide all flash performance that costs 80% less than the cost of all-flash system

Aliso Viejo, CA – NOV 4, 2014 – Enmotus Inc. today announced general availability of FuzeDrive™ Server for Windows and Linux, a new class of [software defined storage](#) acceleration for industry standard servers, leveraging off the shelf solid state devices (SSDs) and storage class memory (SCM). FuzeDrive's proprietary real-time MicroTiering™ storage algorithms automatically load-balance data across different devices and overcomes limits on performance, CPU loading and fast-tier capacity commonly encountered in today's caching approaches. Enhanced features offer greater flexibility to IT managers such as file pinning, integrated into the operating system's native file browsing tools, and unique at-a-glance visual mapping tools that provide even greater visibility and control over important data.

"Today's SSD caching approaches have allowed data center system builders to accelerate servers with minimal disruption, but as SSDs grow in capacity and newer SCM devices come on line, we are now starting to see limits on how fast cache architectures can operate," said Andy Mills, CEO and co-founder of Enmotus. "We believe our non-caching approach to accelerating servers will revolutionize the way data centers are built, especially as hyper-converged environments in both premise and cloud are increasingly adopted".

FuzeDrive is the first software based solution to optimize both performance and capacity at block device level in direct attached storage (DAS) configurations. DAS is increasingly being used as the primary storage in clustered servers and almost exclusively in [hyper-converged](#) servers, eliminating significant costs associated with storage area networks (SANs). By using an ultra-low latency storage hypervisor combined with an intelligent block-level statistics and policy based load balancing engine, FuzeDrive breaks through the CPU loading and capacity barriers commonly encountered in caching. Caching often imposes a limit on the size of the fast tier capacity as higher amounts require more CPU cycles to manage the cache management tables and algorithm, often consuming more than 50% of the host CPU cycles in high traffic configurations. FuzeDrive on the other hand operates consistently across all fast tier sizes, with no more than a few percent of the CPU, allowing significantly larger fast tiers to be created. The benefit is that a much larger number of virtual machines may be supported on a single converged server-storage node for example, and larger files such

as high resolution video fully accommodated. Furthermore, the MicroTiering algorithms are designed to allow the fast tier capacity to be part of the overall storage presented to the applications or virtual machines, allowing significant improvements in the cost-per-usable terabyte for each server, especially as terabyte class SSDs enter mainstream.

“Even SSDs are becoming bottlenecks in some cases. As a result, newer classes of storage devices continue to appear that can take advantage of higher performance busses inside servers, [NVDIMMs](#) being a great example,” said Marshall Lee, CTO and co-founder of Enmotus. “By utilizing a storage hypervisor, our FuzeDrive software is able to easily virtualize and manage such devices, creating a seamless way for data center managers to move up the storage acceleration curve with minimal impact thereby preserving their investment,” added Lee.

Enmotus is working with a select number of solution and channel partners to make this technology available. Please visit our website at www.enmotus.com to learn more and be part of this exciting new technology.

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About Enmotus

Enmotus develops innovative software defined storage acceleration solutions for next generation data center, web scale servers and professional workstation applications. Our intelligent hybrid storage software solution, FuzeDrive, enables system builders and IT managers to easily build vendor agnostic hybrid storage pooled solutions using any standard block storage device, including NVDIMM, PCIe SSD and SAS/SATA storage devices, presenting them as a real-time automated tiered devices within Windows or Linux based operating systems. Fully compatible with all mainstream applications, FuzeDrive implements a rich set of device management tools that allow users to see at a glance data activity, fast tier media or file distribution across tiered devices and manually pin files to any tier. For more information, please visit www.enmotus.com or contact us at info@enmotus.com.

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