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Accelerating Virtualization: Fusion-io Dramatically Improves I/O Performance

Fusion-io Showcases How ioMemory Improves Virtual Machine and Virtual Desktop Deployments in a Shared Enterprise Environment at this Week's VMworld

San Francisco – VMworld 2010 (Booth #1700) – August 31, 2010 – Fusion-io, pioneer of a new flash-based memory tier (ioMemory), today set new standards for virtualization performance in desktop and server environments, by running 512 virtual desktops on a single VMware vSphere™ host on the show floor. Additionally at VMworld, Fusion's ioMemory technology was demonstrated across a fully redundant, shareable, 10 Gigabit Ethernet (GbE) iSCSI network. With Fusion-io, customers can now accelerate performance, maximize consolidation and virtualize even the most intensive workloads, driving a higher performing, more efficient enterprise infrastructure.

Fusion's ioMemory technology reduces the challenges of highly transactional data input/output (I/O), which can increase capex and lower consolidation rates. With Fusion's ioMemory, one server can now run more than 100 I/O-intensive VMs or support thousands of virtual desktops with a solution that easily scales linearly. One of these Fusion Powered virtual servers can be clustered to support high-performance cloud environments at a fraction of the cost and footprint of legacy storage solutions. Scaling and deployment is made easy by simply adding another node to the cluster, reducing up-front investment costs.

“At VMware, we strive to find partners that can help us advance the innovation and adoption of virtualization,” said Parag Patel, vice president, Global Strategic Alliances, VMWare. “Technologies such as Fusion-io enable greater consolidated workloads and are drivers for lowering total cost of ownership.”

With Fusion's non-volatile, high-performance ioMemory, virtualization customers can now run any application, regardless of workload, on any standard server platform through Fusion's OEM partners, HP, IBM and Dell. Enterprise customers can also make much more efficient use of their existing IT infrastructure with as much as a tenfold increase in the number of virtual machines each server can support. This enables organizations to truly unlock the benefits of virtualization in both enterprise compute and desktop environments without the need for massive system upgrades.

“Fusion-io is changing the way customers think about data-center architecture, driving further efficiency, consolidation and scalability into virtual platforms,” said Neil Carson, CTO of Fusion-io. “Fusion’s ability to efficiently handle the highly random access patterns prevalent in virtualized workloads, aids customers in reducing the cost and complexity of adding multiple virtual machines.”

Demonstrations of Fusion Powered solutions for virtualization are currently on display at VMworld 2010. Fusion-io is located at Booth #1700. Partners demonstrating Fusion-io in virtual environments include: Unidesk (Booth #1727), Atlantis Computing (Booth #1140), V3 (Booth #1740) and V oltaire (Booth #638), among others. Also look for Fusion-io and Datacore on Wikibon’s LiveTV, referencing use cases and customer implementations.

To learn more about Fusion-io, go to www.fusionio.com.

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About Fusion-io

Fusion-io, a leading provider of system, application & database acceleration, is unleashing the potential of performance-starved applications, allowing companies to rethink the way they architect their data systems. With a Fusion Powered data center, companies can increase productivity, shrink time to market and improve their customers’ experience, all with less hardware, less power, and less administration. Companies are seeing performance gains of many magnitudes and server consolidation from 3-10x. Fusion-io is powering innovation that helps companies do more with less.

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