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**FOR IMMEDIATE RELEASE**

## **hIOmon File I/O Performance Monitor from hyperI/O Captures SSD TRIM Command Metrics**

*File and Disk I/O Monitoring Tool Includes  
Microsoft® Windows® Gadget for Displaying TRIM Metrics*

**BOULDER, Colorado — March 1, 2010** — hyperI/O LLC, the file and disk I/O performance monitoring expert, announced today that its industry-leading hIOmon™ File I/O Performance Monitor software supports the collection of Windows “Manage Data Set Attributes (MDSA)” I/O operation performance metrics, including those pertaining to the Solid State Disk (SSD) “TRIM” command, for the Windows 7 and Windows Server 2008 R2 operating systems from Microsoft. These metrics can be captured by hIOmon during normal, everyday application usage and with no operating system, file system, file, or application changes required.

“The potential benefits of the TRIM command have been widely discussed by both SSD vendors and users alike,” said Tom West, President of hyperI/O LLC. “hIOmon users can now collect, display, and export a comprehensive set of I/O operation metrics (including the unique ‘summary’ metrics, which are automatically aggregated by hIOmon) that reflect the actual usage of the TRIM commands. Such empirical metrics enable SSD users to better assess and verify the benefits of the TRIM command availability and usage.”

The hIOmon software also includes the “hIOmon SSD TRIM Metrics Display” gadget/HTA, which provides a simple and quick way to display a selected subset of the SSD TRIM-related metrics that can be captured by hIOmon. It can be run either as a Microsoft Windows Gadget (upon those systems that support the Windows Sidebar) and/or as a Windows HTML Application (HTA).

“With the addition of the SSD TRIM-related metrics, hIOmon continues to bring to the forefront empirical, more tangible metrics that allow a wide variety of users to conveniently evaluate – with a ‘top-down, application focus’ – how their particular applications actually make use of their specific disk storage,” added West.

### **hIOmon Benefits**

hIOmon is a software utility package that provides a variety of benefits, including the ability to better diagnose and understand disk storage access performance problems, to verify and ensure that the required levels of performance (Quality-of-Service) are being met at the specific file/application level, to evaluate emerging storage technologies (e.g., iSCSI, SATA, flash-based SSD, etc.) and proposed improvements to the performance of computer systems, and to help reduce storage management costs. Especially with its included support for Windows Management Instrumentation (WMI), end-users, integrators and Independent Software Vendors alike find it easy to interface with

hIOmon. “Out-of-the-box” features also include a Java™-based GUI, an Internet Explorer GUI in addition to CLI support, alert capabilities with System Event Log support, both I/O trace and automatically summarized/aggregated metrics upon an individual, specific file, device, and process/application basis together with both real-time and replay display modes, along with support for both the Windows Performance and System Monitors and several CSV-file export capabilities.

Users/applications armed with the extensive set of file and device I/O performance metrics that only hIOmon provides can validate and continually verify that those steps taken to maximize disk storage utilization and performance are indeed of benefit. Such steps include identifying “hot files” and moving files around the storage hierarchy, SAN, NAS, etc. to improve performance by making the best use of newly purchased hardware or without spending IT dollars upon new hardware. Use hIOmon, “*The I/O Speedometer and Odometer for your Files, Devices, and Applications*”™, to help identify those files best suited for SSD, RAM disk and other higher performance disk solutions. Substantiate the benefits in terms of actual performance metrics specific to key files and the associated applications. With its many features and capabilities (along with an efficient architecture), hIOmon answers the question: “*How fast are your files?*”™ in terms of a variety of metrics, including response time, I/O count, I/O rate, data transfer rate, system file cache “hit” and “miss” counts/percentages, queue depth and idle time, random/sequential access detection, physical device I/O activity plus real-time, metric-based file/device/process “Top Ten” list sorts and more.

## **hIOmon Availability and Pricing**

The hIOmon File I/O Performance Monitor (a Licensed Software package available only from hyperI/O LLC) supports Microsoft Window 7, Windows Vista, Windows XP, Windows Server 2003, and Windows Server 2008/R2. hIOmon has also successfully met the IBM® specifications for validation as “Ready for IBM Tivoli software”. Pricing for hIOmon starts at under \$100 (USD), with volume discounts and technical support packages available. A free 30-day, full-function/full-feature evaluation copy of hIOmon can be downloaded at the hyperI/O LLC web site ([www.hyperIO.com](http://www.hyperIO.com)), along with full documentation, overview presentation, screen shots and white paper.

## **About hyperI/O LLC**

A privately held Independent Software Vendor (ISV) founded in 1999 and located in Boulder, Colorado, hyperI/O LLC designs, develops, and markets disk I/O performance measuring and monitoring software utility solutions targeted to help address the fundamental performance gap between computer systems and storage I/O. hyperI/O LLC has designed, developed and currently offers a premier, unique software solution called hIOmon, the File I/O Performance Monitor.

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