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FOR IMMEDIATE RELEASE

hyperI/O Announces hIOMon File I/O Performance Monitor Now Provides Fragmented File I/O Activity Metrics

*New hIOMon Metrics Reveal Actual Impact of File Fragmentation
Based Upon File I/O Monitoring of Individual Files*

BOULDER, Colorado — September 19, 2006 — hyperI/O LLC, the file I/O performance monitoring expert, announced today that its industry-leading hIOMon™ File I/O Performance Monitor now enables users to collect, display, and export a variety of enhanced metrics that help bring to light the actual performance impact of fragmented files upon file I/O operation activity. These metrics include the number of “split I/O” operations (i.e., multiple I/O operations performed at the physical device level within the operating system to satisfy a single file I/O operation) observed for an individual file as well as the actual percentage of “fragmented file I/O activity” (for both read and write I/O operations) for a specific file. In addition, hIOMon™ can provide summarized “fragmented file I/O” metrics upon a device or even process/application basis.

“The performance impact of fragmented files has long been a concern amongst computer users,” said Tom West, President of hyperI/O LLC. “With Version 3.5, hIOMon™ users can now for the first time efficiently collect an essential set of summarized “fragmented file I/O” metrics that reflect how their particular applications and associated files are actually being affected by file fragmentation. And unlike benchmarking programs, hIOMon™ users can moreover collect these new file I/O performance metrics using their very own applications and files as they normally do within production environments — and without any file, application, or operating system changes.”

The new hIOMon™ “Fragmented File I/O Metrics” support can help users easily and quickly determine those specific files (and associated applications) that are suffering from “file fragmentation” based upon actual file I/O operation activity. Similarly, these new metrics provide empirical numbers that can help substantiate, for example, the impact of file fragmentation upon the file I/O performance of specific devices and processes/applications.

The hIOMon™ “Fragmented File I/O Metrics” are based upon the “Physical Device Extended Metrics” support featured in hIOMon™ Version 3.5. Together with the “System File Cache” metrics already provided by hIOMon™, the “Physical Device Extended Metrics” enable users to get a clearer, firsthand picture as to the exact extent to which their particular files of interest actually incur disk I/O operations and the related performance impact.

hIOMon™ Benefits

hIOMon™ is a software package that provides a variety of significant benefits, including the ability to better diagnose and understand storage access performance problems, to verify and ensure that

required levels of performance (Quality-of-Service) are being met at the specific file/process level, to evaluate emerging storage technologies (e.g., iSCSI, SATA, 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 summary/aggregate metrics upon an individual, specific file 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 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™ 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 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) currently supports Microsoft® Windows NT® 4.0, Windows® 2000, Windows® XP, and Windows® Server 2003. Introductory pricing for hIOmon™ starts at \$195 (USD), with volume discounts and technical support packages. A free 30-day, full-function evaluation copy of hIOmon™ can be downloaded at the hyperI/O LLC web site (www.hyperIO.com), along with full documentation, overview presentation, screen shots and white paper.

About hyperI/O LLC

A privately held Limited Liability Company founded in 1999 and located in Boulder, Colorado, hyperI/O LLC offers product and service solutions that are targeted to help address the fundamental performance gap between computer systems and storage I/O. hyperI/O LLC has developed and currently offers a premier, unique software solution called hIOmon™, the File I/O Performance Monitor.

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