

FOR IMMEDIATE RELEASE

**FUSION-IO SOFTWARE DEVELOPMENT KIT ENABLES NATIVE
FLASH MEMORY ACCESS**

***ioMemory SDK First to Offer Developers Direct Access to Flash Tier for
Unprecedented Application Acceleration***

SAN FRANCISCO – April 18, 2012 [DEMO Spring trade show] – [Fusion-io](#) (NYSE: FIO) today announced the first [software development kit](#) (SDK) to provide software developers with native access to the [ioMemory](#) flash tier. By integrating applications directly with this new persistent memory tier, developers will be able to optimize enterprise, web, and big data applications through direct programmatic access to the ioMemory computing layer for the first time.

“Our January demonstration of [one billion IOPS](#) running on Auto Commit Memory, and Atomic Writes demonstrated the potential power of running applications natively on ioMemory. With our SDK, we are now making these tools available to software developers,” said David Flynn, Fusion-io CEO and Chairman. “The ioMemory SDK and APIs reduce application complexity, speeding up development, reducing time to market and engineering requirements. When you get rid of that complexity, the resulting application is much more reliable and can leverage the full potential of ioMemory to run much faster.”

On only a handful of occasions in the past 60 years have software developers been given fundamentally new programming building blocks for memory or storage devices. Until now, developers have been limited to tuning their applications for flash as storage. The ioMemory SDK libraries unlock direct programmatic access to native flash access patterns and data organization methods. The ioMemory SDK includes application programming interfaces (APIs) within user-space libraries, as well as reference application examples made available as open source. The ioMemory SDK libraries will combine underlying primitives provided by the Fusion-io ioMemory OS Subsystem, such as Fusion-io [Atomic Writes](#) and [Auto Commit Memory](#), to accelerate application development cycles and system performance of popular applications.

“Direct programmatic access to the ioMemory tier presents a rare and significant leap forward for computing, and the ioMemory SDK makes that integration powerfully simple for application developers,” said [Citrusleaf](#) founder and CTO Brian Bulkowski. “When you consider that Fusion-io is already well known for accelerating applications, it’s exciting that bypassing traditional protocols in favor of direct access to ioMemory would

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mean an even greater performance boost in Citrusleaf's NoSQL database for mission critical webscale applications. Our existing real time big data customers require low latency and extraordinary throughput, and with this revolution in application acceleration, end users will start asking if applications can run native on ioMemory." The ioMemory SDK will feature APIs including the Key-Value Store, which will feature interfaces to reduce latency, improve memory efficiency, and reduce code complexity. The directFS API provides native file-access semantics to ioMemory through a POSIX-compliant file system. Like the native API libraries, directFS is implemented directly on ioMemory, significantly reducing latency by entirely bypassing operating system buffer caches, file system and kernel block I/O layers. Fusion-io directFS will be released as a practical working example of an application running natively on ioMemory to help developers explore the use of Fusion-io APIs.

"Improving the performance of input/output (I/O) bound applications or systems could be more pronounced and cost-effective if the choice of data to hold in flash memory is done in an intelligent and application-aware way," said Gartner VP Distinguished Analyst Carl Claunch. "Competitive advantages for software will be the main driver pushing those makers to exploit flash as a unique memory type."

Select Fusion-io libraries and APIs are now available to early access partners through the new Fusion-io Developer Program, the first industry program for developers optimizing applications to run natively on ioMemory. Designed as a developer community resource, the Developer Program portal will also feature white papers, blogs, FAQs, and other resources. To apply for early access to the Fusion-io Developer Program, please visit <http://developer.fusionio.com>.

To learn more about Fusion-io, go to <http://www.fusionio.com>. Follow Fusion-io on Twitter at <http://www.twitter.com/fusionio> and on Facebook at <http://www.facebook.com/fusionio>.

About Fusion-io

Fusion-io has pioneered a next generation storage memory platform for shared data decentralization that significantly improves the processing capabilities within a datacenter by relocating process-critical, or "active", data from centralized storage to the server where it is being processed, a methodology referred to as data decentralization. Fusion's integrated hardware and software solutions leverage non-volatile memory to significantly increase datacenter efficiency and offers enterprise grade performance, reliability, availability and manageability. Fusion's data decentralization platform can transform legacy architectures into next generation datacenters and allows enterprises

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to consolidate or significantly reduce complex and expensive high performance storage, high performance networking and memory-rich servers. Fusion's platform enables enterprises to increase the utilization, performance and efficiency of their datacenter resources and extract greater value from their information assets.

Note on Forward-looking Statements

Certain statements in this release may constitute "forward-looking statements" within the meaning of Section 21E of the Securities Exchange Act of 1934 and Section 27A of the Securities Act of 1933, including, but are not limited to, statements concerning the anticipated benefits of our software development kit and ioMemory technology and products. These statements are based on current expectations and assumptions regarding future events and business performance and involve certain risks and uncertainties that could cause actual results to differ materially from those contained, anticipated, or implied in any forward-looking statement, including, but not limited to, the risks that the users of our software development kit and products may not realize the anticipated benefits, and such other risks set forth in the registration statements and reports that Fusion-io files with the U.S. Securities and Exchange Commission, which are available on the Investor Relations section of our website at www.fusionio.com. You should not rely upon forward-looking statements as predictions of future events. Although we believe that the expectations reflected in the forward-looking statements are reasonable, we cannot guarantee that the future results, levels of activity, performance or events and circumstances reflected in the forward-looking statements will be achieved or will occur. Fusion-io undertakes no obligation to update publicly any forward-looking statement for any reason after the date of this press release.

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