

Demartek Lab Notes

Real-world, Hands-on Research & Analysis

March 2013



Demartek News

[Demartek STEC s1120 PCIe Accelerator and Enhance I/O SSD Cache Software Evaluation](#)

Solid state storage continues to gain acceptance in enterprise data centers, providing increased performance and lower latency for mission-critical applications. STEC commissioned Demartek to evaluate its s1120 PCIe Accelerators in both primary storage and caching configurations. Click [here](#) to read the full report and view the video highlighting STEC's exciting new technology.



[Demartek Publishes Article on the State of Networking Storage Technologies](#)

Recently, Dennis Martin was asked about the state of network storage technologies by SearchStorage. To view this article, which touches on virtualization, SSD technology, next-generation storage interfaces, I/O virtualization and more, click [here](#).

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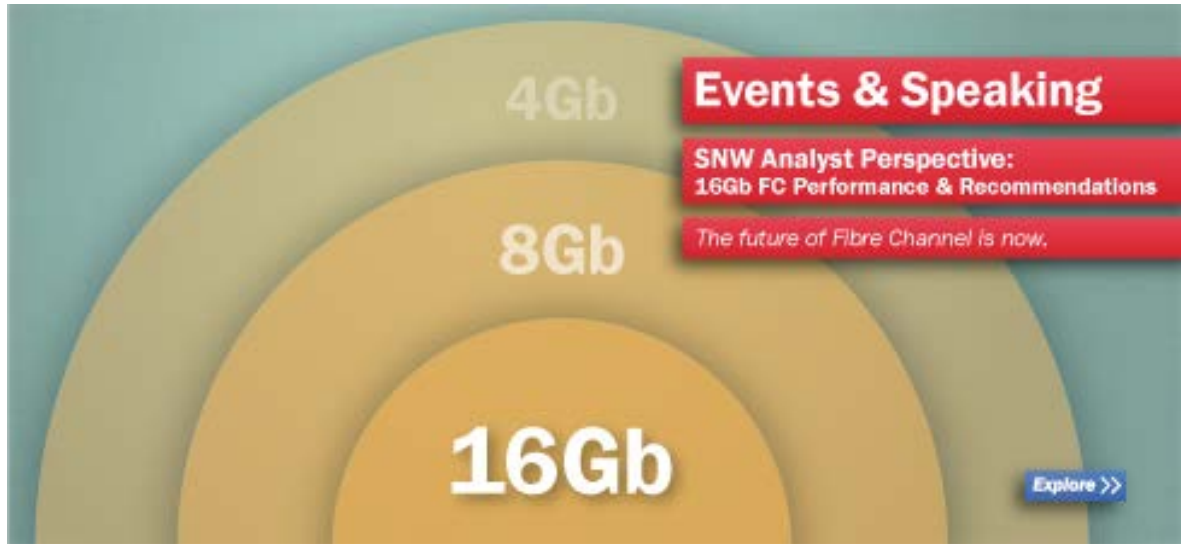
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Demartek Speaking Engagement



2013 is anticipated to be the year for strong adoption of updated storage networking technologies. This will include 16Gb Fibre Channel and 10Gb Ethernet. Newer I/O virtualization technologies such as NPIV with virtual Fibre Channel for Windows Server 2012 Hyper-V and SR-IOV for Ethernet on VMware and Hyper-V are just a few. In addition, for those doing long-term datacenter planning, newer technologies on the horizon and cable and connector technologies need to be considered. These two sessions at Storage Networking World Spring 2013 will provide the latest information on these important storage technologies.

- April 2, 2:10pm - 2:50pm: [Analyst Perspective and Test Lab Report: 16Gb Fibre Channel Performance and Recommendations](#)
- April 2, 5:00pm - 5:40pm: [Analyst Perspective: Next Generation Storage Networking for Next Generation Data Centers](#)

Click [here](#) to register for the SNW USA Spring 2013 conference in Orlando, FL.

Deployment Guides Coming Soon!

We have been working diligently on two new Demartek Deployment Guides: the ***Demartek iSCSI Deployment Guide 2013*** and the ***Demartek SSD Deployment Guide 2013***. These two deployment guides will be similar to previous guides, but updated for 2013 with new technical information, new workload examples, new applications, new virtual server environments and more. The currently released versions of these reports have seen a large amount of views, with the iSCSI Guide topping 5300 views and the SSD Guide surpassing 2300 views, each gaining more than 1000 downloads in the first thirty days after publishing. With this amount of popularity, and the rapid rate of change in these two major technological environments, 2013 is the perfect time to update these reports to reflect their ever-changing capabilities.

We appreciate your patience while we work on compiling thousands of data points and

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testing every possible configuration that is required for producing these cutting-edge, functional Deployment Guides. We understand the reputation that goes along with these guides, and that level of interest makes us passionate to provide the best work we possibly can. Stay tuned for these guides in the very near future, and in the meantime, feel free to check out the currently available versions of the [iSCSI Deployment Guide 2011](#) and the [SSD Deployment Guide 2012-Q2](#).

Demartek Hires Systems Analyst



Meet Suzanne Stone, our new Systems Analyst. Suzanne joined Demartek last month and has been excited to get involved with our test lab. Suzanne went to school at UC Santa Barbara where she obtained degrees in Physics and Computer Science. She has experience providing network and desktop support and has spent ten years supporting security systems for elevators, cameras, and card access systems. Suzanne has jumped into the deep-end of our lab, so to speak, and is already busy with hypervisors, SSDs, iSCSI and Fibre Channel storage technologies.

Top Ten Demartek Pages and Reports

We have a feature on our website that lists the top ten most popular pages and reports for the last four weeks, updating every Monday morning. Here's how it looked on March 11th:



1. [Demartek Presents Robocopy at March 2011 RMWTUG Meeting](#)
2. [Demartek Storage Networking Interface Comparison](#)
3. [Demartek Publishes Exchange Server 2003 vs. 2007 vs. 2010 I/O Comparison Summary](#)
4. [Demartek STEC s1120 PCIe Accelerator and EnhanceIO SSD Cache Software Evaluation](#)
5. [Demartek Evaluation of Cisco Multi-protocol and Multi-topology Latency and Connectivity](#)
6. [Demartek Low Latency Evaluation of Fibre Channel, iSCSI and SAS Host Interfaces](#)
7. [Demartek iSCSI Deployment Guide](#)
8. [Demartek News and Reports](#)
9. [Demartek SSD Zone - Solid State Disk Resources](#)
10. [Demartek Publishes Texas Memory Systems High-Performance Oracle RAC Architecture](#)

Be sure to check back every Monday to see which reports have made the Top Ten List.

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Word from the President

Spring is just around the corner (for those of us in the northern hemisphere), with promises of new growth. Demartek is growing, as we mentioned previously, and the industry is growing, with many new announcements, especially for SSD-related technologies and faster storage interfaces. We look forward to seeing many of you at upcoming events!

Dennis Martin, President, Demartek



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