

Demartek Lab Notes – May 2012



Real-world, Hands-on
Research & Analysis

Lab Notes

May 2012

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Demartek News

[Reaping the Rewards of SAS Deployments](#)

On May 9, 2012, Dennis Martin presented *Reaping the Rewards of SAS Deployments* to more than 300 people at the STA Technology Showcase in Santa Clara, California. He discussed how SAS can be deployed as a device interface, as a storage system interface and in a small shared storage environment. He also discussed 12Gb/s SAS and explained some of the new cabling and connector options. His presentation is available for download and links to all the presentations from this event are on [this page](#).



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Demartek SSD Giveaway Update

We have drawn a winner! Judy Smith, of JPR Communications is our latest SSD winner. Many congrats to Judy and a big thanks from all of us here at Demartek for being a loyal subscriber to our newsletter. This will not be the last time to win this SMART Modular XceedIOPS 100GB SATA SSD.

Please watch [our website](#) for additional details.

*This drawing is open to residents of the United States only. Employees of Demartek, their immediate family members, and any previous drawing winners are not eligible for this drawing.

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The Demartek SSD Deployment Guide



The [Demartek SSD Deployment Guide 2012-Q2](#) is now available! This guide is designed for managers and technical professionals within IT departments who are exploring the possible benefits of SSD technology or who are looking for actual deployment examples of SSD storage solutions. The Demartek SSD Deployment Guide is designed to provide basic information about SSDs and practical guidance for planning and deploying SSD technology and products. The primary focus of this guide is for enterprise SSD technologies, although this guide also discusses consumer SSD technologies.

The Demartek SSD Deployment Guide covers NAND flash characteristics, including SLC, MLC, endurance, and performance. SSD form factors and data placement strategies are also discussed.

Products from four vendors are participating in the Demartek SSD Deployment Guide including **FlashSoft** (part of SanDisk), **Nimbus Data**, **OCZ Enterprise**, and **SMART Storage Systems**.

The highlight video of the Demartek SSD Deployment Guide will be released on the [Demartek YouTube Channel](#) in May. This is the second in our series of Demartek Deployment Guides, the first being the [Demartek iSCSI Deployment Guide](#), which was published in 2011.

Upcoming Speaking Engagements

[Demartek to Present SSD Technologies and Next-Gen Data Center Innovations at the Storage Decisions Conference](#)



Dennis Martin will present two sessions at Storage Decisions Chicago, June 19-20, 2012.

Innovations in Storage Networking: Next-Gen Storage Networks for Next-Gen Data Centers

With 10 Gigabit Ethernet (10GbE) about to proliferate in data centers, and storage technologies such as scale-out and grid architectures adding stress to storage networks, it's time to rethink your storage network infrastructures--whether they're Ethernet or FC based. During this informative conference, Dennis Martin will expand on converged networks pros and cons, I/O bandwidth capabilities, the future of Ethernet and Fibre Channel, and a whole lot more.

Where (and How and Why) to Implement Solid-State Storage

This session will help you find the best fit for solid state storage--in servers, in hybrid arrays, in all-flash arrays, as caching devices (server or networked based) and so forth. We'll describe all of the current choices, discuss the pros and cons of each, and then help you determine which approach will give your company the biggest bang for its solid-state storage buck.

[Click Here](#) to get the complete agenda and registration information for Storage

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Decisions Chicago 2012 presented by TechTarget. Stay up to date with the latest [Demartek Twitter news](#) for this seminar by following [#SDCHI12](#).

[Demartek Presents Solid State Storage Half-day Seminars](#)

In a relatively short time, solid-state storage has become a viable alternative for enterprise storage applications. It offers far superior performance over magnetic media while using much less power and creating little heat. Solid-state storage is, however, still considerably more expensive than spinning disk, so a cost-effective approach to implementation is required. In this free, multi-city, half-day seminar, Dennis Martin, President of Demartek, will cover the key solid-state technologies and the specs that users need to know, along with the various implementation alternatives.

Remaining Cities and Dates for these 2012 Half-day Seminars are:

- Thu. Sep. 13 - San Diego, CA
- Tue. Oct. 16 - Washington, DC

[Click Here](#) to get the complete agenda and registration information for these free half-day TechTarget Solid State Storage Seminars. Stay up to date with the latest [Demartek Twitter news](#) for this seminar by following [#SSDseminar](#).

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 May 14th:



1. [Demartek SSD Deployment Guide](#)
2. [Demartek Presents Robocopy at March 2011 RMWTUG Meeting](#)
3. [Demartek Storage Networking Interface Comparison](#)
4. [Demartek Publishes Exchange Server 2003 vs 2007 vs 2010 I/O Comparison Summary](#)
5. [Demartek Low Latency Evaluation of Fibre Channel, iSCSI and SAS Host Interfaces](#)
6. [Demartek Presents Reaping the Rewards of SAS Deployments](#)
7. [Demartek iSCSI Deployment Guide](#)
8. [Demartek SSD Zone](#)
9. [Demartek Lab Validation Testing](#)
10. [Demartek News and Reports](#)

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

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A Word from the President



Without question, spring fever is in the air around the Demartek Lab. Adding a new-and-improved server room to our facility and working in tandem with vendors, always provides us new perspective and insight into future testing potential. With June already around the corner, I hope you plan on joining me in Chicago at my Storage Decisions Conference discussion on SSD and Next-Gen Data Center Innovations. We continue to test some exciting technology in these areas and I look forward to presenting our recent findings.

We look forward to talking to you soon!

Dennis Martin, President, Demartek

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