

## Demartek Lab Notes

Real-world, Hands-on Research & Analysis

July 2013



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### Demartek News

#### [Demartek Publishes Article on Best Practices for SSD Technologies](#)

The solid-state storage technology industry has completely revolutionized consumer electronic products, replacing spinning disk drives in virtually all types of compact consumer devices such as mobile telephones and tablet PCs. Solid-state storage is a good fit for database applications, virtualized servers, virtual desktop environments and other workloads that need higher performance. Dennis Martin's article with Storage Magazine can be read in full [here](#).



### Quick Links

[All News & Reports](#)

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#### [Demartek Participates in SNIA Emerald Power Efficiency Training Program](#)

Demartek announces that it participated in the SNIA Emerald Power Efficiency Training program held at the SNIA Technology Center in Colorado Springs, Colorado, during the week of June 24, 2013. Demartek brought one of its high-performance servers along with an all-flash array to the event to demonstrate how to run the SNIA Emerald tests.

Demartek demonstrated how to run the SNIA Emerald test suite with an electric power meter in its configuration to measure the power efficiency of the storage system under test. Demartek also showed the class attendees the results of the testing, including some of the power efficiency charts. The data showed in this class was not necessarily optimized to show the "best foot forward" test parameters, but Demartek demonstrated how to obtain the "best foot forward" testing parameters. Demartek also presented its lab testing capabilities to the class attendees.

#### [Demartek Adds 220v Capabilities to Testing Lab](#)

Demartek announces the addition of 220VAC electric power to its lab. This expands Demartek's capabilities to test storage systems, blade servers and other systems that have higher power requirements.

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This electric power upgrade complements Demartek's existing electric power infrastructure, which also includes the ability to measure power consumption for various servers, networking and storage systems while under load.

## Demartek Speaking Events

### [Demartek to Present at Flash Memory Summit 2013](#)

Dennis Martin, Demartek President, will present and chair sessions at the Flash Memory Summit 2013 in Santa Clara, California, August 13-15, 2013.

- Wednesday, 14 August, 8:30-10:50 a.m. - Forum D-21: [Enterprise CacEnterprise Caching \(Enterprise Storage Track\), Chairpersoning \(Enterprise Storage Track\), Chairperson](#)
- Thursday, 15 August, 8:30-10:50 a.m. - Forum D-31: [Client Caching \(Enterprise Storage Track\), Chairperson](#)
- Thursday, 15 August, 3:10-4:25 p.m. - Session 303-B: [PCI Express and Enterprise SSDs: Getting the Details Right \(PCIe Storage Track\), Panelist](#)

To get all the info and to register for this event, visit the [Flash Memory Summit](#) site.

## 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 July 15th:



1. [Demartek SSD Deployment Guide](#)
2. [Demartek Presents Robocopy at March 2011 RMWTUG Meeting](#)
3. [Demartek Storage Networking Interface Comparison](#)
4. [Demartek News and Reports](#)
5. [Demartek Astute Networks ViSX G4 iSCSI Flash Storage Appliance Evaluation](#)
6. [Demartek Publishes Exchange Server 2003 vs 2007 vs 2010 I/O Comparison Summary](#)
7. [Demartek Low Latency Evaluation of Fibre Channel, iSCSI and SAS Host Interfaces](#)
8. [Demartek Commentary - Horses, Buggies and SSDs](#)
9. [Demartek Analysis of VDI Storage Performance During Boot Storm](#)
10. [Demartek Evaluation of LSI Nytro XD Caching Solution](#)

Be sure to check back every Monday to see which reports have made the Top Ten List. The [current top ten list](#) can also be viewed on the Demartek website.

## Word from the President

## Demartek Lab Notes – July 2013

We're excited to announce the upgrades and new initiatives in this month's newsletter. We also have been given a sneak preview of some of the new technologies that will be on display at the upcoming Flash Memory Summit. I look forward to seeing many of you at this event. We hope you're having a great summer!

Dennis Martin, President, Demartek



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