

Demartek Lab Notes – April 2011



Real-world, Hands-on
Research & Analysis

Lab Notes

April 2011

Welcome



Welcome to the **Demartek Lab Notes**, our monthly newsletter. This newsletter contains a few links to our recent lab evaluations, articles and upcoming speaking engagements. We continue to work on a variety of technology projects, including the new **Demartek iSCSI Deployment Guide 2011**, which will be published in May. Contact me if you would like to participate in this new iSCSI Deployment paper or have questions.

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Top Ten Most Popular Demartek Pages and Reports

We have a new 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 April 11:



- [Demartek Storage Interface Comparison](#)
- [Demartek Publishes Exchange Server 2003 vs 2007 vs 2010 I/O Comparison Summary](#)
- [Demartek Presents Robocopy at March 2011 RMWTUG Meeting](#)
- [Demartek Publishes Evaluation of LSI MegaRAID CacheCade Performance](#)
- [Demartek Publishes Evaluation of LSI WarpDrive Performance](#)
- [Demartek Publishes Evaluation of LSI MegaRAID FastPath Performance](#)
- [Demartek Publishes Evaluation of NetApp Ethernet Storage](#)
- [Demartek Lab Validation Testing](#)
- [Demartek News and Reports](#)
- [Demartek SSD Zone](#)

Be sure to check back every Monday to see which reports have been the most popular!

Recent Articles

[Demartek Comments on Storage Networking World Spring 2011](#)

The Spring 2011 Storage Networking World (SNW) conference held last week in Santa Clara, California was a great conference for us. Yes, I did say us, as Demartek's fourth employee, Jeff Giedt



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attended SNW with me. He sat in on some of the meetings, attended several sessions, and had a chance to meet many people. I had the great pleasure of giving three sessions at this SNW conference. The most well-attended session was my "Deep Dive on SSDs", which was held bright and early in the first time slot on Monday morning. At least half of the attendees in this session indicated that this was their first SNW conference...

[Demartek Publishes Article on SSD Caching vs Primary Storage](#)

Dennis Martin, Demartek President, has written an article describing SSD data placement. Data placement for solid-state storage technology can be achieved in two ways: via SSD caching or primary storage. Learn about the pros and cons of both methods of implementation and how to determine which is right for your environment. Several types of connectors are available with cables used for storage interfaces. This is not an exhaustive list, but is intended to show the more common types. Each of the connector types includes the number of lanes (or channels) and the rated speed.

[Demartek Adds Connector Information to Storage Interface Comparison](#)

We recently added connector types such as SFP, SFP+, QSFP, etc. to this page. This includes the mini-SFP that was introduced last year. This is a reference page designed to put a lot of useful information about storage networking technologies all on one page.

[Demartek Presented Robocopy at March 2011 RMWTUG Meeting](#)

Dennis Martin spoke about Robocopy at the March 2011 Rocky Mountain Windows Technology User Group (RMWTUG) meeting. Robocopy ("robust file copy"), included with Windows operating systems, is a rich file copy utility with many options. For this presentation we compared the results with and without the multithread option (/MT). Using multithreaded robocopy in most cases results in faster or significantly faster file copy operations than without the multithread option. The multithread option was introduced in Windows 7 and Windows Server 2008 R2.

Upcoming Speaking Engagements

Storage Decisions Conference Chicago - June 22, 2011

Dennis Martin, President of Demartek, will present two sessions at the Storage Decisions Conference in Chicago on June 22, 2011. These sessions are:

- Wednesday, June 22: [Making the Case for Solid-State Storage](#)
- Wednesday, June 22: [Automated Storage Tiering in General](#)



Upcoming Testing

We continue to run tests in our lab that relate to SSDs, iSCSI, FCoE and other storage technologies, in addition to various application workloads in native and virtualized environments. If there are particular scenarios you would like to see, please contact us.

Dennis Martin
Demartek