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Demartek News

[Demartek Publishes Evaluation of Emulex LPe16000B 16GFC HBA](#)

In the latest report, Demartek evaluated the increasing demands on today's enterprise data centers including constraints due to lack of available bandwidth. In the evaluation, Demartek tested Emulex's new LPe16000B 16GFC HBA and achieved great results. To view the full report discussing our findings and comparisons click [here](#).



[Dennis Martin Discusses Today's Solid-State Storage Devices In Latest TechTalk](#)

With the number of solid state storage devices offered today, from server-side PCIe SSD to SSD caching appliances and everything in between, there is a lot to consider before picking the right device for the job. In this video, Dennis Martin discusses advantages and disadvantages of certain SSDs for certain tasks as well as offers alternatives and impacts of SSDs that are currently leading the market. For useful insight and a better understanding of all things SSD, watch the discussion and read the notes [here](#).

Quick Links

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Upcoming Speaking Engagements

[Demartek to Present at Storage Networking USA - Fall 2012](#)

Dennis Martin, Demartek President, is a popular speaker at the Storage Networking World (SNW) conferences, and has been asked again to speak on some cutting-edge technologies. While at SNW, he will give two presentations and is looking forward to speaking with and meeting with attendees.

Demartek
Events

- Date: October 16-19, 2012
- Location: Santa Clara, CA

Demartek Lab Notes – October 2012

Analyst Perspective: I/O Virtualization - The Next Virtualization Frontier - Oct 16, 9:20 a.m

In this session, we will define I/O virtualization and how it complements server virtualization. We will discuss extending the PCI Express bus and Infiniband bus and new standards such as SR-IOV and MR-IOV. We will also discuss how I/O Virtualization compares to technologies such as Fibre Channel NPIV, DCB and FCoE. This session will include a sneak peek at SR-IOV in Windows Server 2012. As is customary, Dennis will discuss results of his early lab testing with these technologies.

Analyst Perspective and Test Lab Report: Using File Server Protocols for Block-Based Storage Workloads - Oct 18, 11:40 a.m.

Technologies are being developed that enable block-based application workloads to be run on file servers. In this session, Demartek will explain how SMB 3.0 (CIFS), available in Windows Server 2012 and Windows 8, enables applications to use file servers for workloads usually thought to require block storage protocols. Examples and test results from the Demartek lab will be included in this presentation.

Demartek Presents SSD Technology and Next-Gen Data Center Innovations at the Storage Decisions Conference This Fall

Dennis Martin, Demartek President, will give his updated and highly-rated SSD and next-generation storage networking sessions at Storage Decisions San Francisco.

- Date: November 8, 2012
- Location: San Francisco, CA

Innovations in Storage Networking: NExt-Gen Storage Networks for Next-Gen Data Centers - Nov 8, 11:05 a.m.

In this session, attendees will learn about converged networks, FCoE, CNAs, network virtualization, PCI Express, 10/40/100 Gb Ethernet, 16 Gb Fibre Channel and InfiniBand alternatives.

A Deeper Dive: Where (and How and Why) to Implement Solid-State Storage Nov. 8, 2:15 p.m.

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. Independent expert Dennis Martin will 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. Topics include SLC, MLC, wear-leveling, SSD form factors, SSD data placement strategies and more.

Deployment Guides

Demartek Lab Notes – October 2012

Our first two Demartek Deployment Guides have been very popular. Both the [Demartek iSCSI Deployment Guide 2011](#) and the [Demartek SSD Deployment Guide 2012-Q2](#)

were very well received, each receiving more than 1000 downloads from real people within the first thirty days that they became available. There are highlight videos for each of these guides on our YouTube Channel.

Demartek is planning to update the iSCSI and SSD Deployment Guides and produce a 16Gb Fibre Channel Deployment Guide in the next few months. Other Deployment Guides are being considered. If you have a technology that should be included in these guides, we would love to chat with you. All of our newsletter subscribers will be notified when these guides become available.

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 October 8th:



1. [Demartek Comments on IDF2012 and NVMe](#)
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 Presents SSD Technology and Next-Gen Data Center Innovations at Storage Decisions](#)
6. [Demartek Evaluation of LSI Nytro XD Caching Solution](#)
7. [Demartek SSD Deployment Guide](#)
8. [Demartek Low Latency Evaluation of Fibre Channel, iSCSI and SAS Host Interfaces](#)
9. [Demartek Newsletter](#)
10. [Demartek SSD Zone](#)

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

A Word from the President



After taking a very nice vacation in Yellowstone National Park, I'm back in the office and working on some exciting technologies. I hope to see you at the Storage Networking World conference or Storage Decisions conference in the next few weeks. I will be discussing various technologies and showing results from our lab in these sessions.

Dennis Martin, President, Demartek

Demartek Lab Notes – October 2012

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